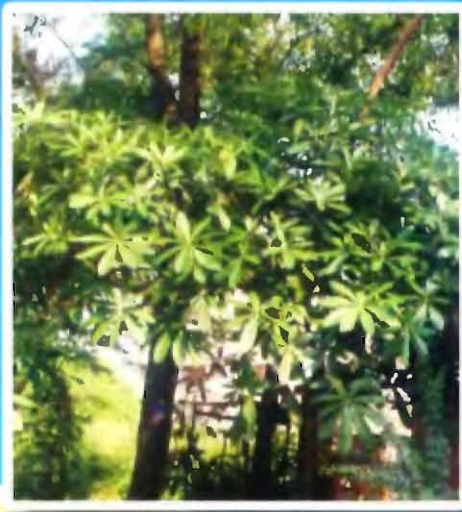




# Status of Biodiversity of West Bengal

**A.K. SANYAL, J.R.B. ALFRED  
K. VENKATARAMAN, SANDEEP K. TIWARI  
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**ZOOLOGICAL SURVEY OF INDIA**

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सत्यमेव जयते

**ZOOLOGICAL SURVEY OF INDIA  
KOLKATA**



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## PREFACE

The term 'Biodiversity' though known earlier, during the Rio Summit in 1992 it earned the center stage of attention and today it is one of the foremost areas of concern all over the world and has become a household nomenclature. The assessment of Biodiversity is an important component of strategic planning process for any conservation and management of ecosystem. The process of assessment can be a two dimensional exercise, *i.e.* identifying areas of maximum diversity within distinctive ecosystems and to provide data for species diversity and related information. The starting point for any such venture should be literature search for getting groupwise information down to the species level.

The State of West Bengal in India has been endowed with rich biodiversity. Data on the state's biodiversity have been generated both qualitatively and quantitatively. However this information is lying in a scattered manner and not readily available to the policy makers and managers of biodiversity. The present publication is therefore an attempt to compile all available information on the State's biodiversity. It is expected that information given in this document will provide not only the benchmark data but also fill up the gaps. Thus, it may serve as an important tool for planning, so that future development programmes need not be at the cost of our biological diversity, but at the same time to identify and use these biological resources on a sustainable basis.

The authors express their grateful thanks to the Department of Environment, Government of West Bengal for funding this project, to Dr. S. Sanjappa, Director and Scientists of Botanical Survey of India for their keen interest and sincere help in preparation of the report by providing and checking the informations relating to the floral diversity in the State. They are also extremely grateful to Shri Pranabesh Sanyal, Former Additional Principal Chief Conservator of Forests, Dr. Dhrubajyoti Ghosh and Sri Debal Roy, Senior Environment Officers, Department of Environment, Government of West Bengal for their sincere help and valuable suggestions during the preparation of this report.

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# **PART-I**



## INTRODUCTION

Biological diversity refers to the variability among living organisms from all sources including, *inter alia*, terrestrial, marine and other aquatic ecosystems and the ecological complexes of which they are part; this includes diversity within species, between species and of ecosystems (UNEP, 1992). Biodiversity is not only an essential component of our life support system but also the raw material for meeting human needs. The rapid degradation of major ecosystems and the necessity of conservation, and also the sustainable use of biodiversity has assumed both national and international importance with the adoption of 'Agenda 21' and the 'Convention on Biological Diversity (CBD)' at the 'Earth Summit' held in **Brazil** in 1992. The CBD came into force in 1993 (for India in 1994) after being ratified by the requisite countries. India's effort, since then, has been to review the conservation measures taken so far, and to identify the gaps which require immediate attention at different levels. The implication of the CBD for India has been dealt with by Chauhan (1996a, b, 1997a, b, c). These initiatives are at different stages. Developing and establishing adequate conservation measures and mechanisms for sustainable utilization of biological diversity pose a multidimensional challenge, involving scientific, socio-economic, administrative, legal and political issues.

India is a vast country and has been richly endowed by Nature in terms of a great diversity of physical environment. From the Indian ocean to the lofty Himalayas and beyond to the cold deserts of Ladakh, the physiognomic diversity and myriad of climatic situation have given rise to a countless habitats across the length and breadth of the country (Alfred *et*

*al.*, 1998; Venkataraman, 2007). Further, in respect of religion, ethos, culture, socio-economy, politics and life pattern, one region of the country differs widely from the other. As such, challenging issues of biodiversity conservation and its sustainable utilization become complex and multifarious. To attain the desired goal of conservation, it become obligatory to set the priorities and identify essential elements for framing the action plan at the national as well as regional levels. Each state or region within the country has specific necessary elements concerned with biodiversity, which need to be integrated into the framework of action plan, keeping in view the implications arising due to the ratification of the CBD. It is primary requirement for regional policy makers and managers of biodiversity to have a status report dealing with aspects like 'HOW MANY', 'WHERE', 'UNIQUENESS', 'UTILISATION', 'THREATS', 'CURRENT PRACTICES', 'GAPS IN KNOWLEDGE', and other related aspects. Further, the overall concern of traditional practices connected with the conservation of biological diversity is another important element which varies regionally. Documentation of such traditional practices for conserving species while being used, and protection of habitats through selection, domestication, cultivation and breeding of useful plants and animals is also another key factor in formulating the regional Action Plan. It is necessary to integrate and blend the essence of these practices in the process of conservation.

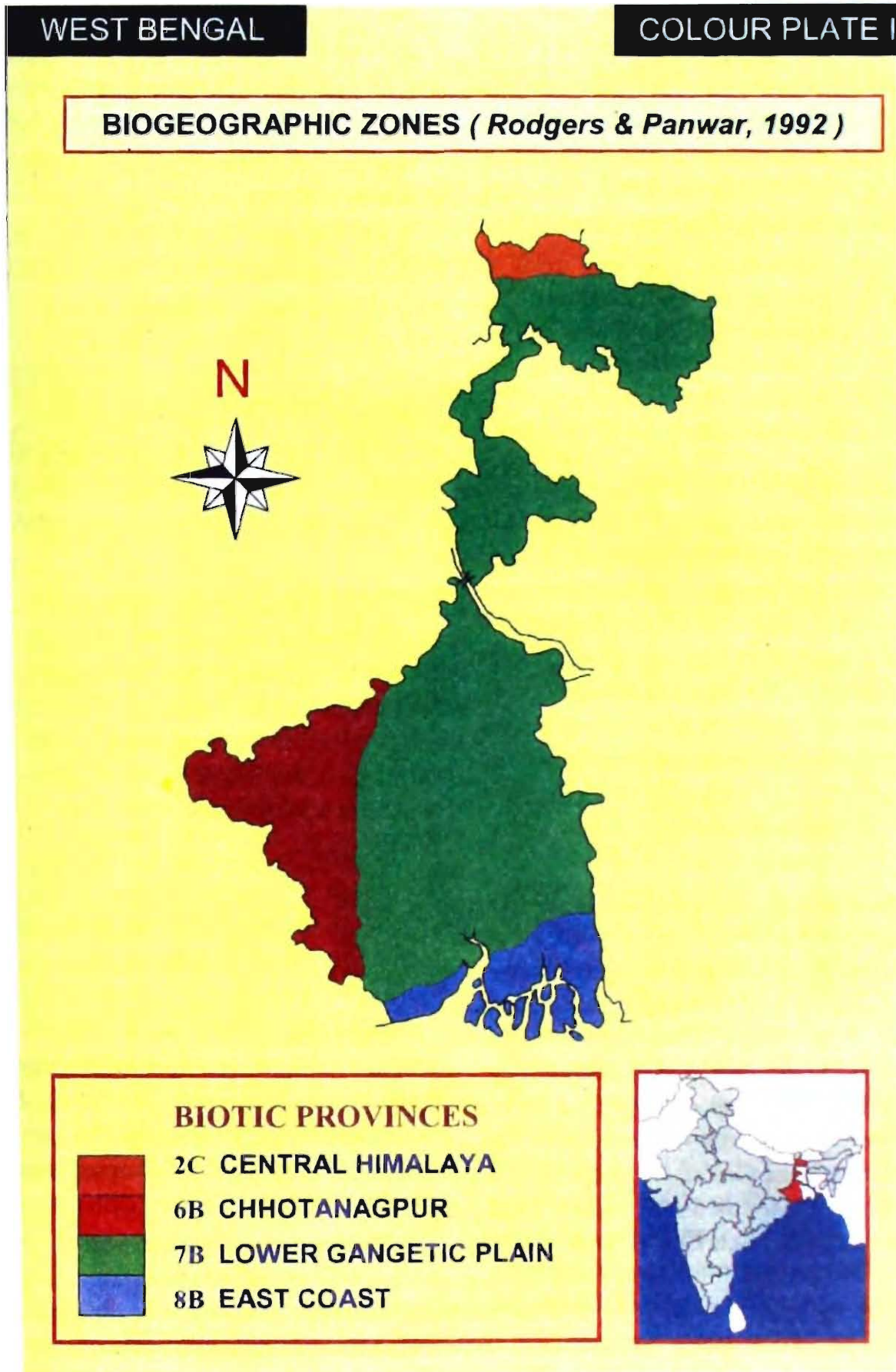
So far, West Bengal is concerned, huge amount of biodiversity related data have already been accumulated through surveys, identification and inventorying activities of the

Botanical, Zoological, Anthropological, Forest and Fishery Survey of India, State Forest Department, and several other institutes from the university systems, autonomous bodies as well as NGOs. Over all data on the species composition, distribution, population, and Keystone, Umbrella, Endemic and threatened species particularly of major groups are available. Unfortunately, these valuable data are very much scattered and have limited academic use, only to specialists. For greater effectiveness, it is essential that relevant and user friendly data bases are prepared and made available through modern information technologies. Wider access to information would facilitate the effective conservation and sustainable use of the biological resources in a particular community or locality. In the present book, based on published as well as unpublished information, an attempt has been made to compile the biodiversity related data of West Bengal and analyse the same with emphasis to meet up the queries of policy-makers and managers of biodiversity.

West Bengal, the only state in India, which touches the Himalayas in the north and has sea on its south. As such the physical environment of the state varies from Bay of Bengal in the south to the snow-capped Himalayas in the north through vast stretches of alluvial plains in the middle, small patches of hills and isolated mounds in the western part. Soil characteristics, temperature and rainfall also vary widely from one part to other. These have resulted rich and diverse vegetative cover consisting of almost all forest types, vast expanses of grasslands, different agricultural crops as well as cropping practices. Each of these supports a particular type of biodiversity. Varieties in aquatic ecosystem such as freshwater, brackish water, estuary and marine also contributed to the richness of state's biodiversity. Further, West Bengal falls in the transition zone between peninsular Indian subregion, Indo-Malayan subregion of Oriental

zone and Palaearctic region. This also helped West Bengal in its great array of natural ecosystems embellished with ingress, colonization and interspersions of life forms from all the adjoining region. Richness of biodiversity is reflected by the fact that, West Bengal though only 2.7 percent of the total area of the country, but four, *viz.*, the Himalaya (Central Himalaya), Gangetic Plain (Lower Gangetic Plain), coast (East Coast) and Deccan peninsula (Chhotanagpur), out of ten recognized biogeographic zones of India are represented in the state (Map 1). On the other hand, owing to favourable agroclimatic condition, West Bengal is always one of the most populated region of the country and the population is further increasing for one or other reasons. The pressure of such an enlarged and impoverished population along with rapid urbanization and industrial development have taken a heavy toll of natural area of the state through shrinkage and degradation. Further, market pressure on a host of non-wood forest produce has led not just to their depletion, but often their collection practices are destructive and damaging to the habitat and productivity parameters themselves. In fact, since 19<sup>th</sup> century, quite a number of floral and faunal species have either become extinct from the state or lost large part of their earlier range and restricted to certain pockets with small population. It is obvious that the country as well as the state of West Bengal have taken several positive measures for conservation and management of biodiversity through legal and policy framework, survey and monitoring, in-situ and ex-situ conservation, sustainable utilization including benefit sharing, institutional framework and capacity building for human and infrastructural resources, research, developmental activities and others. However, majority of these efforts are diverted for conservation and management of few charismatic ecosystems or species, without





**Map-1** : Biogeographic zones of West Bengal.

total consideration of the entire spectrum of biodiversity. It is heartening that the State Biodiversity Strategy and Action Plan : West Bengal (2002) has been finalized. The same has recommended various actions such as 'Information about biodiversity status to be enriched', 'Biodiversity data base for each district should be completed' and others.

The present compilation has been made to meet up some of these recommendations. Further, it is expected that the report will be helpful in the processes of evaluating the essential elements required for conservation and sustainable use of biodiversity in state level.

### METHODOLOGY

The present report derives information mainly from the published literature, field reports and record books of Forest Department officials on the flora and fauna of the state. Further, management plans of different Protected Areas of the state contain numerous data and as such those have also been consulted. As it is not within the scope to provide the complete bibliography on the biota of the state only few references are cited below.

#### **Fauna :**

Agrawal *et al.* 1992, Agrawal and Ghosh 1995, Ahmed 1992, Ahmed and Dasgupta 1992, Alfred 1998, Alfred *et al.* 1998, Alfred and Nandi 2001, Annandale 1907, Bal and Basu 1995, Barman 1993, Basu and Mitra 1995, Bhattacharyya 1997, Biswas and Biswas 1992, Biswas and Biswas 1995, Biswas and Ghosh 1995, Biswas *et al.* 1995, Choudhuri and Chattapadhyay 1997, Das *et al.* 1993a, b, c, d, Ellerman 1963, Ghatak 1995, Ghosh 1995, Ghosh 1996, Hazra 1993, Haldar 1995, Haldar and Choudhuri 1995, Maiti and Saha 1993, Majumdar *et al.* 1992, Mandal and Nandi 1989, Meggilt 1933, Misra 1995, Mukhopadhyay

1998, Nandi *et al.* 1993, Rao and Misra 1986, Ripley 1982, Sanyal 1992, Sarkar 1984, Sarkar *et al.* 1992, Sharma 1979, Soota 1991, Soota and Ghosh 1977, Southwell 1913, Srivastava 1993, Subba Rao and Barua 1983, Varshney 1998, Willis 1951.

#### **Flora :**

Anderson 1862, Anonymous 1957, Banerjee 1957, Banerjee 1968, Basak 1979, Biswas 1966, Chakravarty 1957, Champion and Seth 1968, Chauhan 1996, Cowan and Cowan 1929, Culshaw 1952, Director, B.S.I. (ed.) 1997, Ghosh 1997, 1998, 2001, Ghosh 2002, Karthikeyan 2000, Maji and Sikdar 1983, Malick 1966, Molla *et al.* 1984, Mukherjee 1988, Mudgal and Hazra (eds.) 1997, Prain 1963.

#### **General :**

Alfred *et al.* 2004, Anonymous 2000, Biswas and Trishal 1993, Chaudhuri and Choudhuri 1994, Cowardin *et al.* 1979, Das 2001, Dept. of Environ. and R.K.M. 2002, Mitra 2000, Mitra and Pal 2002, State Forest Dept. and NEWS 1996.

The above is only a fraction of the references consulted for the purpose. For writing of the different chapters numerous documents contained in 42 periodicals, 92 books (including district Gazetteers), 17 project reports, 14 management plans, 7 theses, 38 tour reports, 17 leaflets, 12 unpublished papers have been taken into consideration. All the documents have been scanned and information specially related to the following aspects fed into the computer.

1. Species name
2. District-wise distribution,
3. Significance (endemism, taxonomy, zoogeography, economy, evolution),
- 4 Threats,
5. Management and
6. Ecology.

## PROFILE OF WEST BENGAL

### GEOGRAPHICAL PROFILE

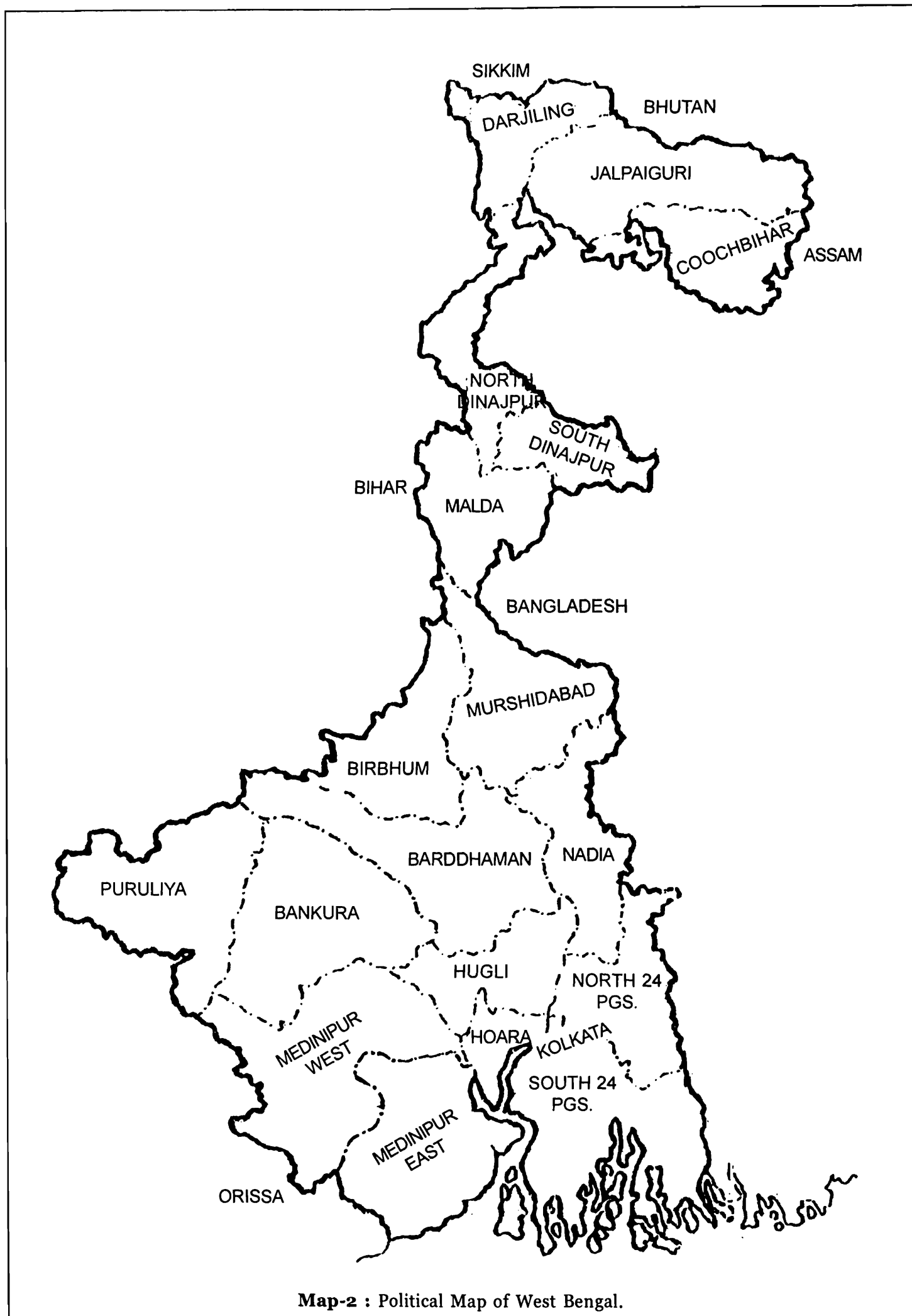
Following independence of India in 1947, the state of West Bengal came into existence as the western part of erstwhile Bengal. Situated within 21°38' - 27°19' N. latitudes and 85°50' - 89°50' E. longitudes, the state stretches from the Himalayas in the north to the Bay of Bengal in the south covering an area of about 88,752 sq.km. Five states (Sikkim, Assam, Bihar, Jharkhand and Orissa) and three countries (Bhutan, Nepal and Bangladesh) surround West Bengal-Sikkim to the north, Bhutan to the North-East, Assam and Bangladesh to the east, Nepal, Bihar and Jharkhand to the west, and Jharkhand and Orissa to the south-west (Map 2).

Till the end of seventies, the state had 16 administrative districts. Later, due to increase in human populations and to facilitate administrative control three more districts have been recognized by dividing erstwhile 24-Parganas, West Dinajpur and Medinipur districts. At present 19 districts are placed under three Divisions. The districts Bankura, Birbhum, Bardhaman, Puruliya, Hugli, East and West Medinipur come under Bardhaman Division; Kolkata, Haora, Nadia, Murshidabad, North and South 24-Parganas under Presidency Division; whereas, Darjiling, Jalpaiguri, Koch Bihar, Maldah, South and North Dinajpur remain under Jalpaiguri Division. Industrial development has taken place at a faster rate in Kolkata, Haora, Hugli, North 24-Parganas and parts of Bardhaman districts, while rest are still basically agro-based.

With direct access to the sea and a network of national as well as international air links, the state's geographic location makes it the gateway to the North-East India and adjoining countries. A system of roadways and railways radiate out into the state to connect it with all the major centers of activity in the country.

Excepting the Darjiling Himalaya and hilly tracts of Puruliya, major land area of West Bengal is almost a flat alluvial plain. Central and southern regions of this plain are mainly derived from silt depositions of the Ganga, while northern part extending from Siliguri subdivision of Darjiling and Jalpaiguri to North Dinajpur is formed by the deposition of Teesta, Mahananda, Torsa, Raidak and other rivers. Northern part of the plain is also known Terai and Duars plain. The proper Gangetic plain can be broadly divided under four micro physiographic zones. These are : (i) The northern parodelta of the Ganga and the *Barind* tract in Maldah and parts of North and South Dinajpur, (ii) *Rarh* plain spreading over East and West Medinipur, Bankura, Birbhum, Puruliya and parts of Bardhaman. This also includes Contai coastal strip of land along the seacoast, which is characterized by frequent sand dunes and salt marshes, mingled with each other. The western part of *Rarh* plain show undulated rocky terrain of Archaean Gneiss and other metamorphic rocks as well as coal belts of Gondwana specially in Bardhaman district. Spurs of Chhotanagpur plateau also penetrate in Puruliya and Bankura resulting low hilly areas, (iii) Moribund Delta comprising of Murshidabad and Nadia districts. It is even and extensive plain having a span of 40-80 km. on both sides of the river Bhagarathi, (iv) Proper Delta consisting of Kolkata, Hugli, Haora, North and South 24-Parganas and parts of Bardhaman. Southern part of this plain particularly South 24-Parganas is characterized by large assemblage of deltaic islands amidst the creeks and rivers, and collectively known as Sundarban.

Except the plains of Siliguri subdivisions, entire Darjiling district physiographically comes under the Himalayan region. It is mainly formed by the extension of high Singalila range of the Himalayas from Nepal side. The region



Map-2 : Political Map of West Bengal.

is characterized by changing elevation, hill streams cutting through the rocks and forming longitudinal valleys, preponderance of length over breadth, steep slope and frequent land slides. Elevation goes up to 3900 m., where almost alpine condition prevails.

### ECOLOGICAL PROFILE

**Climate** : The state being located at the head of Bay of Bengal on one side with rampart of the Himalayas only 500 km. from the sea, the climatic condition exhibits a regional uniformity. It is stated that major climatic differences within the state are due to precipitation totals.

The temperature condition, excluding the Himalayan region, shows limited variation. The diurnal range between maximum and minimum temperature in the coldest month of January remains nearly uniform at 13°C in the plains (irrespective of latitudes), and mean January maxima, minima and absolute decrease with increasing latitudes. Temperature reaching between 35°C-45°C in May, while during monsoon which normally starts in the middle of June, the temperature ranges from 28°C-32°C. In the northern mountainous region, the temperature varies with altitude. The highest observatory at Darjiling (c 2137 m.) records a normal mean temperature of 26°C (summer) and 7°C (winter) absolute below 0°C and snowfall occur occasionally.

The state remains under the influence of monsoon current from June to September. However, certain precipitation may also derive from winter rain, premonsoon rainfall and cyclonic disturbances. The amount of rainfall varies between deltaic plains and traditional drought prone area as also between the northern mountains and southern landmass, the highest being always in the Himalayan area reaching 800 mm in the month of July in a bar-graph. Annual rainfall of the state is roughly as follows :

- Northern mountains and the submontane region : 2000-6000 mm.
- South-Western region : 900-1400 mm.

- Coastal region : 1700 mm.

Based on rainfall, temperature, humidity, the state may be divided into four climatic regions (Map 3) as detailed below.

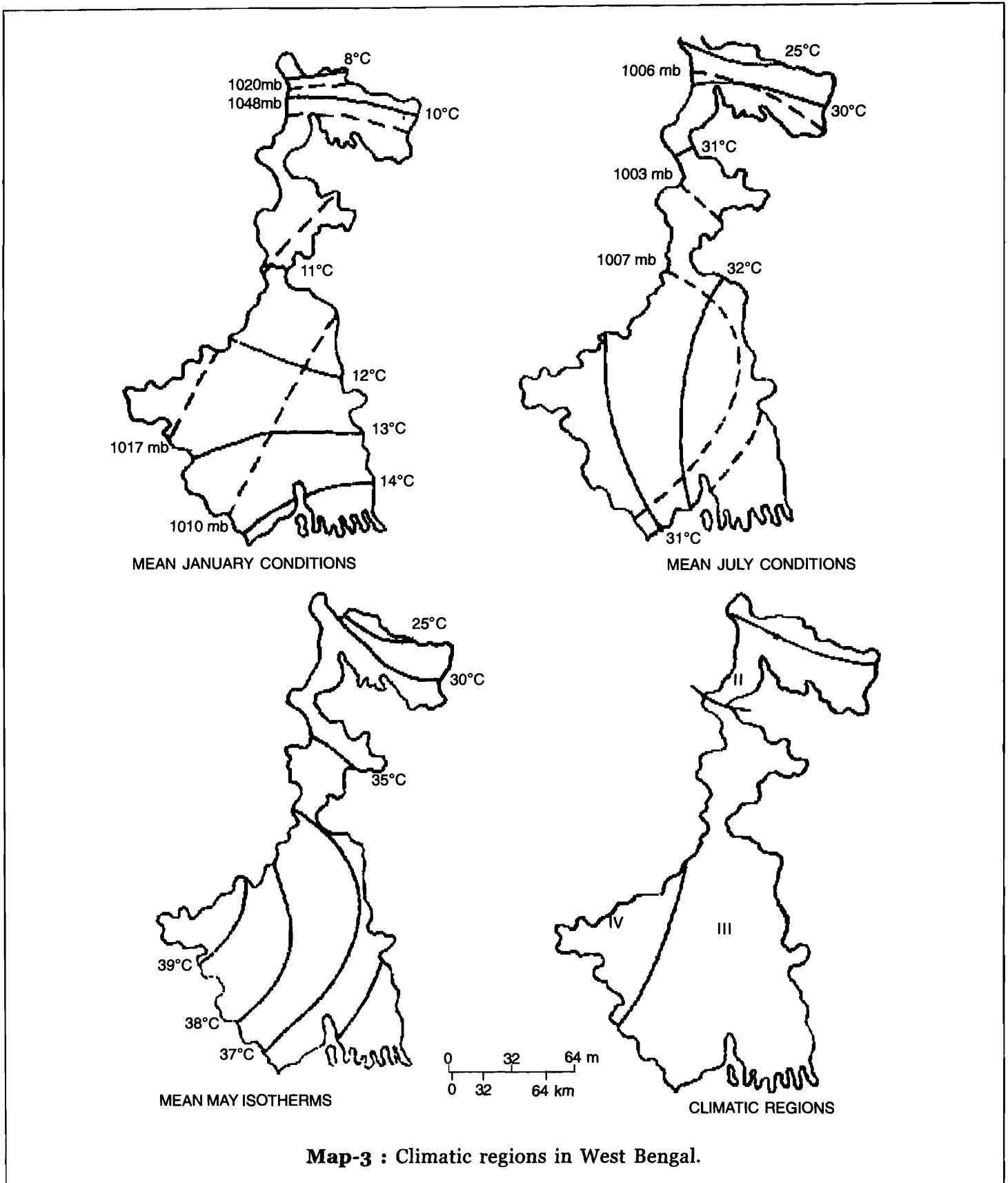
**Region I** : Extends over the Himalayan tract, mean temperature in winter 6°C–10°C at different altitude. Rainfall 3060 mm, Norwesters occur rarely.

**Region II** : Higher winter temperature (17°C), frequent Norwesters, more Relative Humidity and higher rainfall (3329 mm).

**Region III** : The most dominant climatic region of the state. Temperature higher than Region II by an average of 5°C in summer and 3°C in winter. Norwesters and annual rainfall 50 percent less than Region II.

**Region IV** : Show continental characteristics; summer temperature is higher by 3°C, while Relative Humidity, winter temperature, frequency of Norwesters, annual rainfall (180 mm) much less than Region III.

**Soils**—The physical and chemical characteristics of the soil vary from place to place depending on physiography, climate, etc. The hilly terrain in Darjiling district consists mainly of brown forest soil which is acidic and varies from sandy loam to clayey loam. In the sub-Himalayan tract (Jalpaiguri and Koch Bihar) soil is greatly leached because of high rainfall, and is poor in base and available plant nutrients. Such soils are highly acidic and sandy. Most places in the alluvial tract consists of fertile soils which support a very intensive and prosperous agriculture. The soil reaction varies from acidic to neutral. In south-western part of the state, soil is red laterite with honey-combed ferruginous concretions at depth of 15 to 30 cm. Soil is poor in plant nutrients and subject to drought. Soil pH ranges from 6.5 to 7.5 with electrical conductivity varying from 3.0 to 18.0 mh/cm mainly due to accumulation of Sodium Chloride. The drainage is poor, but otherwise it is fertile due to continuous silt deposit. Soil in the coastal areas is characterized by high salinity.



**Rivers and waterbodies**—Ganga is the only perennial snow fed river in the West Bengal delta; it divides near Giria of Murshidabad district. One branch flows southeast as Padma and enters Bangladesh, while the other goes south in West Bengal as Bhagirathi upto Nabadwip and then known as Hooghly to meet Bay of Bengal. The western

region of the state is flanked by the coalesced fans of seasonal flashy torrent tributaries of Ajay, Damador, Mayurakshi, Kangsabati, Rupnarayan, Anadpur and Haldi, all of which fall to a dead delta zone along the Hooghly river bank. The Teesta, Jaldhaka, Mahananda, Nagar, Torsa, Atrai, Punarbhaba are some of the notable rivers of North Bengal which drain

out massive water during rainy season from their catchment in the Himalayas causing devastating floods. Many dry river beds with boulders, pebbles and sand is a common feature in the northern part carrying no or thin flow in dry summer months and come into spate during monsoon. Tributaries of the old river system occurring in the district of south 24-Parganas have converted the famous part of Sundarban into an intricate network of tidal water system towards the sea. However, the salinity in the Hooghly river has been considerably reduced since Bhagirathi is being fed by freshwater after constructing a barrage at Farakka.

The state is also dotted with numerous wetlands in the form of 'Ponds', 'Jheels', 'beels' and the natural/excavated drainage system of 'Khals' These wetlands enrich the aquatic ecosystem of the state. While detail listing will be made later, some important wetlands are mentioned below.

- **Himalayan and Sub-Himalayan** : Rasik beel, Malian Dighi, Mirik.
- **Gangetic plain** : Katiganga-Motijheel, Mathura Beel, Jamuna Beel, East Kolkata,

Saheb band, Ballavpur, Santragachhi.

- **Coastal** : Gabaria Beel, Atampur, Dadanpatrasar.

There has been sharp reduction of natural wetland areas of the state during last few decades due to urbanisation, reclamation for agriculture and developmental initiatives.

**Forests**—Except the Central Alluvial tract, all agro-ecological zones have important forest resources with distinctive floristic compositions. In North Bengal, total forest area is about 3050 sq. km. (about 26 percent of the recorded state forest) and contains the most productive forests. Forest in south-west West Bengal are mostly scattered in relatively small and widely dispersed blocks of degraded Sal interspersed with farm land. The most compact area is the mangrove forests in the coastal saline zone which covers 4260 Sq. Km. (approximately 36 percent of recorded state forest land). However, nearly 40 percent of the forest land in the coastal saline zone is actually made up of numerous rivers and creeks. Distribution and classification of forests in different region has been provided in Table 1.

**Table-1** : Distribution and classification of forests in different zones of West Bengal (*Source* : Dept. of Environment & Ramkrishna Mission, Narendrapur, 2002, West Bengal State Biodiversity Strategy & Action Plan. Ramkrishna Mission, Narendrapur and Annual Report, 2008-2009, Forest Dept., West Bengal).

Region	Reserve Forest		Protected Forest		Unclassified State Forests and others		Total (sq.km.)
	Area sq. km.	% of Total	Area sq. km.	% of Total	Area sq. km.	% of Total	
Hill, Northern Circle and Forest Dev. Corpn.	2598	85	259	9	194	6	3051
Western Circle	206	5	3399	78	742	17	4347
Central Circle and Sundarban Tiger Reserve	4250	95	114	2.5	117	2.5	4481
Total	7054	59	3772	32	1053	9	11879



Further, afforestation outside recorded forest land has been carried out under social forestry programmes. Till 2000, 26,000 ha. have been brought under strip plantation, 2,400 ha. under village woodlot and 212,000 ha. under farm forestry.

Forests in Sundarban shrunk by about 2,590 sq.km. in the last 200 years and 1,295 sq.km. during last century to provide land for agriculture and settlements. In Medinipur, Jungal Mahal had 3,108 sq.km. forest in 1862 and now reduced to 1,315 sq.km. However, the annual gross increment of West Bengal forest compares favourably with that of the national figures. The following are the average annual increment in different forest types of West Bengal.

HIGH FORESTS	AVERAGE ANNUAL INCREMENT
Hills	0.8 Cu.M./ha.
Plains	1.65 Cu. M./ha.
South-West Bengal	3.0 Cu.M./ha.
Coppice (10 year rotation)	
PLANTATIONS	
Hills (Conifers)	12.5 Cu. M./ha.
North Bengal Plains	5.0 Cu. M./ ha.
South-West Bengal ( <i>Eucalyptus</i> )	6.0 Cu. M./ ha.

**Table-2 :** Birth rate, death rate and infant mortality rate in West Bengal as compared to whole of India (per thousand) in 2009.

	India	West Bengal
Birth rate	22.22/1000 population	18.6
Death rate	6.4/1000 population	6.3
Infant mortality rate	30.15/1000 live births	38.0

**Table-3 :** Decadal change in the proportional of rural-urban population of West Bengal (Adopted from Bhatt, S.C. 1998. The Encyclopaedic District Gazetteers of India, Vol. 9. Gyan Publishing House, New Delhi).

Census decades	1951-61	1961-71	1971-81	1981-1991	*1991-2001
Total	+32.82	+26.87	+23.17	+24.73	+17.84
Rural	+31.81	+26.38	+20.36	+23.01	+27.21
Urban	+95.97	+28.41	+31.76	+29.49	+21.32

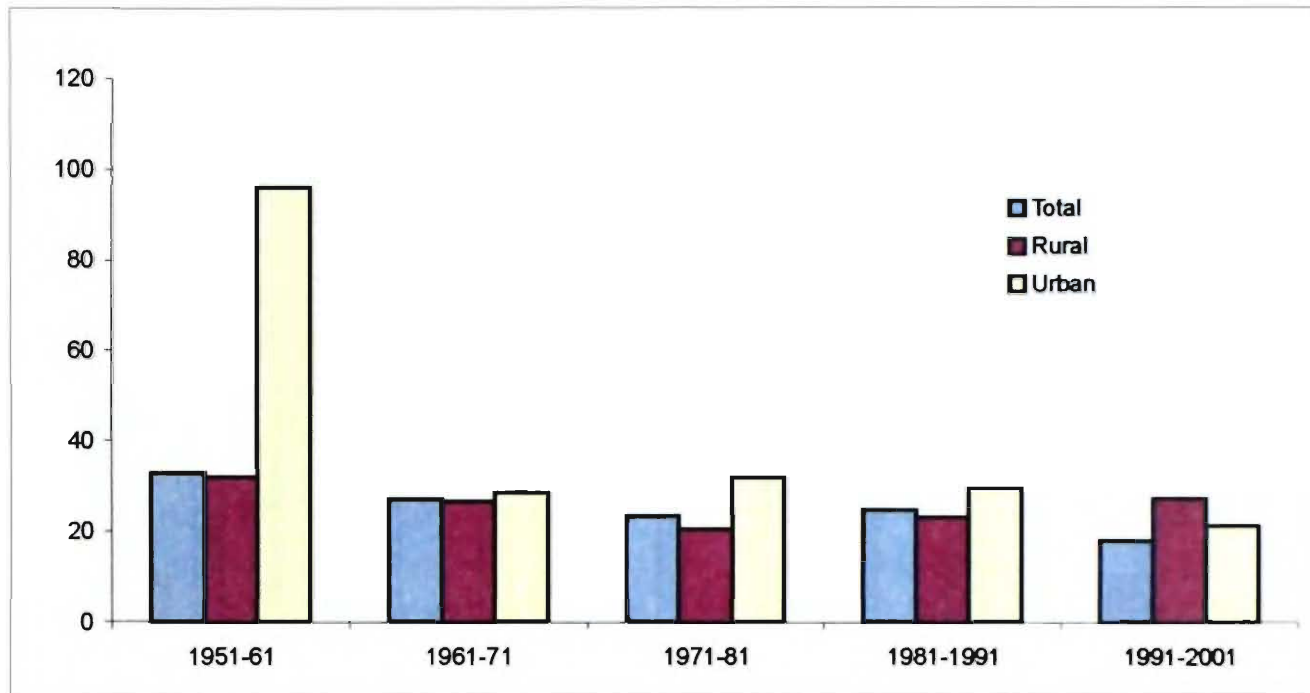
\* Figures of mid-year 2002.

## DEMOGRAPHIC AND ECONOMIC PROFILE

It has already been stated that owing to favourable agroclimatic condition, West Bengal has always been one of the most populated states of the country. Further, the problem of population explosion has been aggravated due to huge immigration from East Pakistan, now Bangladesh since 1947. Birth rate is lower than that of the country as a whole, but that has been compensated by lower death rate and infant mortality (Table 2.).

As per census 2011, population of West Bengal has reached 913.47 lakh (fourth among Indian provinces) and population density standing 1029 per Sq. Km. (second to Kerala). Since 1971, the population of West Bengal has become more than double. Male and female population in state have reached 469.27 and 444.20 lakh respectively.

From 1901, there has been change in the proportion of rural-urban population but only of little significance except for the decade 1951-61 (Table 3, Text-fig.1). As compared to 1971 urban population and rural population has increased by 117 percent and 79.6 percent respectively. Percentage of male and female in the population remains almost constant from



**Fig. 1** : Percent decadal variation of population from 1951 to 2001

**Table-4** : Some important demographic changes of West Bengal as revealed in last four census.

Census year	1971	1981	1991	2001
Total population(lakh)	443.12	545.81	680.76	802.21
Number of males(lakh)	234.36	285.61	355.11	414.87
% of males to total population	52.89	52.33	52.16	51.72
Number of females (lakh)	208.26	260.20	325.67	387.33
% of females to total population	47.11	47.67	47.84	48.28
Urban population (lakh)	109.67	144.47	187.08	*238.00
% of Urban population to total population	24.75	26.47	27.48	*28.46
Rural population (lakh)	333.45	401.34	493.70	*599.00
% of rural population to total population	75.25	73.53	72.52	*71.54

\* Figures of mid-year 2002

1971. Some important demographic changes as revealed from the last four census have been provided in Table 4 and Test-fig. 2. It has been seen that only 28.00 percent of people of West Bengal may be considered as urbanized against the world average of 45 percent.

West Bengal has at least 38 major categories of tribal people. Majority of these tribes, such as, Santhal, Oraon, Munda, Kora, Mehali, Lodha, Malpaharia have migrated from Santhal Parganas during 19<sup>th</sup> century and settled mainly

in Puruliya, Medinipur, Bankura, North and South Dinajpur; while few others, viz., Bhutia, Lepcha, Mech, Toto, Rava are residents of the hill section of Darjiling and plains of Jalpaiguri. Tribal population of West Bengal also shows a steady increase from 38.04 lakh in 1991 to 46.77 lakh in mid-year 2000. Economy and life styles of tribals are linked with the natural resources of the areas in which they occur. They are labour-based and dependent on the sustained production from their environment.

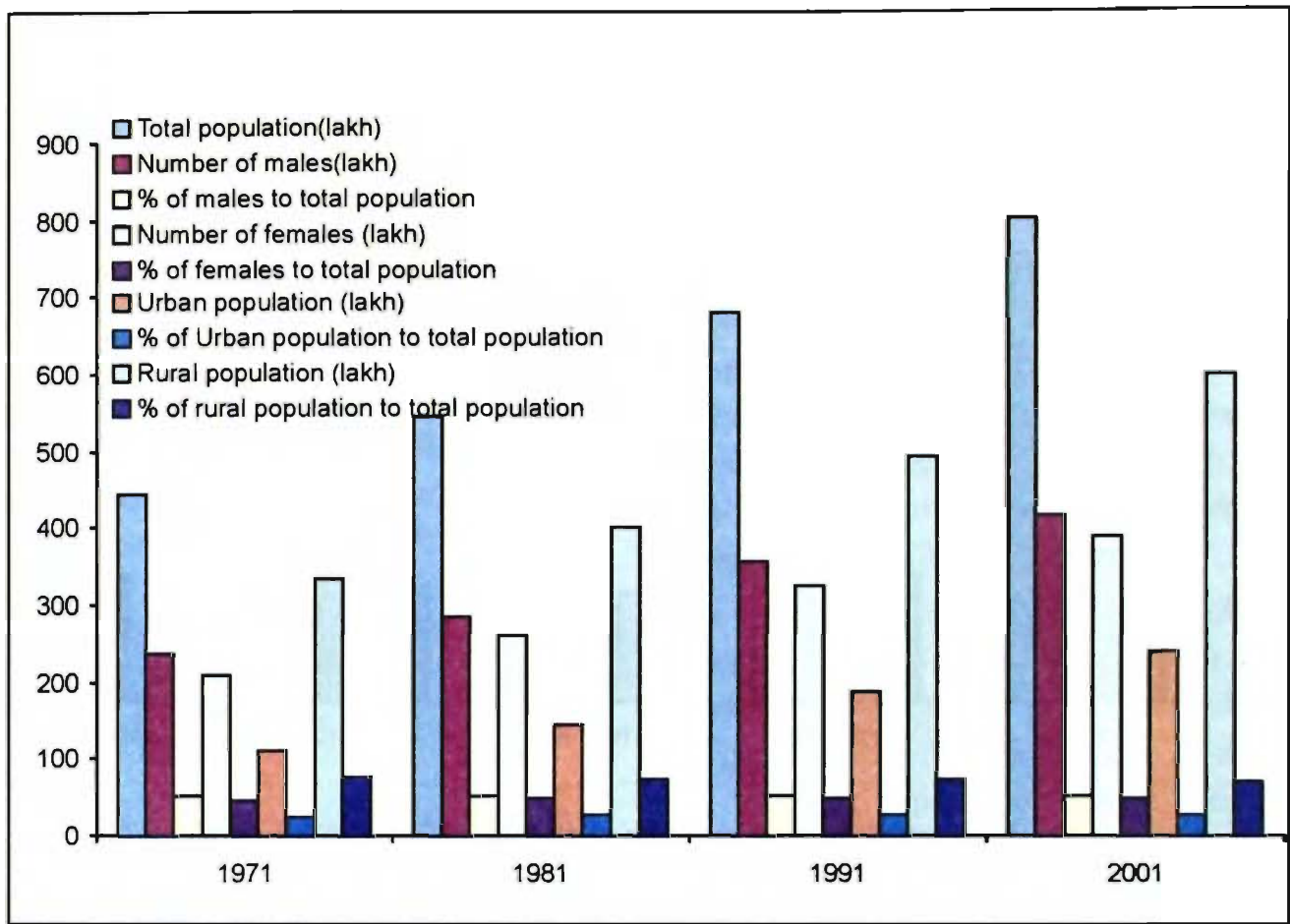


Fig. 2 : Some important Demographic Changes as revealed in last four Census

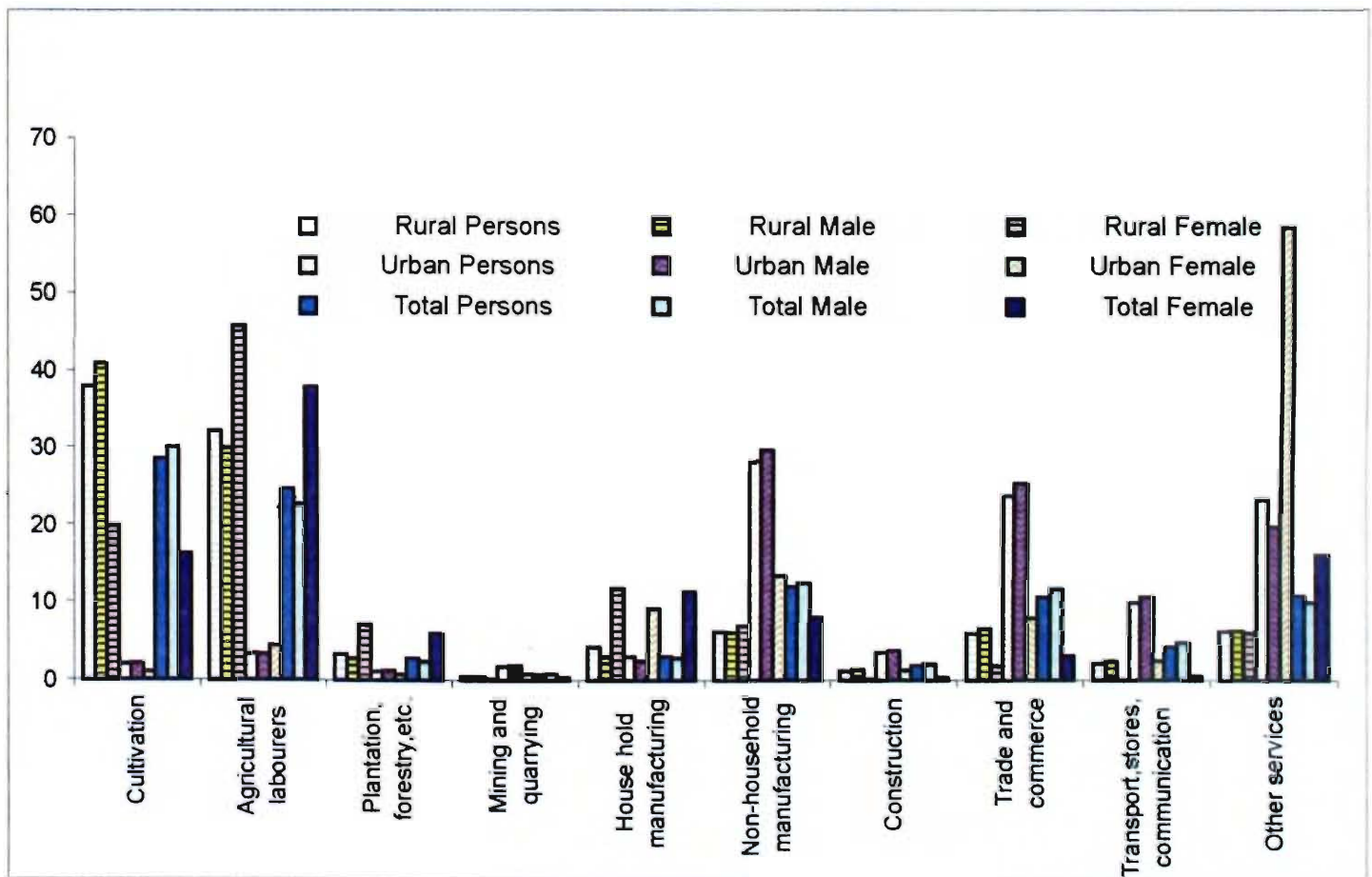


Fig. 3 : Percentage distribution of working force by main activity in West Bengal.

Traditionally, the tribal's social, cultural and religious systems are ecofriendly in nature. Due to increased population and for other obvious reasons, a section of these ecosystem-people have lost right of their own land. This has compelled them to exploit the forest resources in a way out of their traditional ethics.

In spite of gradual increase in the percentage of urban population, still nearly 72 percent of people of West Bengal reside in rural areas spreading over nearly 43,000 villages. According census 2001, nearly 61.55 percent of the land area is under cultivation (Bartaman, Nov. 29, 2001). As such economy of West Bengal may be described as agrobased. An analysis of the working force on the basis of

main activity, working people is directly related to agriculture either as cultivators or labourers. In many of the activities such as agricultural labour, plantation, house hold manufacturing, etc., percentage of female working force is significantly higher than male. A detailed distribution of working force by activity in West Bengal is reflected in Table 5 and Text-fig.3.

In fact, nearly 95 percent of rural population are engaged in agricultural activities. Pattern of land utilization since 1985-86 also shows a slight increase in net area shown (Table 6).

The average per capita income is Rs. 25223.00 (2005-06) in the state (as on 31.01.2008).

**Table-5** : Percentage distribution of working force by main activity in West Bengal as per census 1991 (Source : Govt. of West Bengal 2001. Economic Review, Statistical Appendix, Kolkata).

Sl. No.	Category	Rural			Urban			Total		
		Persons	Male	Female	Persons	Male	Female	Persons	Male	Female
1	Cultivation	37.97	40.88	19.87	1.94	2.03	1.02	28.40	30.15	16.23
2	Agricultural labourers	32.24	30.04	45.89	3.36	3.25	4.39	24.56	22.65	37.88
3	Plantation, forestry, etc.	3.32	2.71	7.09	1.17	1.22	0.78	2.76	2.30	5.87
4	Mining and quarrying	0.43	0.47	0.21	1.74	1.83	0.89	0.78	0.84	0.34
5	a. House hold manufacturing	4.22	3.00	11.84	3.03	2.41	9.19	3.00	2.84	11.33
	b. Non-house hold manufacturing	6.22	6.11	6.91	28.21	29.69	13.47	12.06	12.62	8.17
6	Construction	1.24	1.41	0.19	3.54	3.76	1.30	1.85	2.06	0.41
7	Trade and commerce	5.98	6.63	1.92	23.84	25.44	7.95	10.72	11.82	3.08
8	Transport, stores, communication	2.15	2.48	0.12	9.92	10.67	2.46	4.22	4.74	0.57
9	Other services	6.23	6.27	5.96	23.25	19.70	58.55	10.75	9.98	16.12

**Table-6 :** Pattern of land utilization in West Bengal since 1985-86 (Area in thousand ha.)  
(Source : Govt. of W.B. 2001. Economic Review. Statistical Appendix, Kolkata).

Classification of land	Reporting year									
	1985-86		1995-96		1997-98		1998-99		1999-2000	
	Area	%	Area	%	Area	%	Area	%	Area	%
Net area sown	5262	59.5	5462	62.8	5465	62.9	5440	62.9	5472	63
Current fallows	65	0.7	220	2.5	219	2.5	229	2.7	208	2.4
Forests	1186	13.4	1196	13.8	1192	13.7	1192	13.7	1192	13.7*
Area not available for cultivation	1730	19.6	1642	18.9	1651	19.0	1668	19.2	1659	19.1
Other uncultivated land excluding fallows	606	6.8	175	2.0	160	1.9	158	1.8	158	1.8
Total reporting area (excluding Kolkata)	8849	100	8695	100	8687	100	8687	100	8689	100

\*Differs slightly from the figure provided by the Directorate of Forests, W.B.(2000)

## POLITICAL PROFILE

The state Government was run by the Communist party of India-Marxist dominated Left Front for more than three decades. Following the West Bengal State Assembly election in April-May, 2011, the All India Trinamool Congress and Indian National Congress Coalition under the leadership of All India Trinamool Congress was elected to power. The state administration is strengthened through the functioning of a three tier panchayat system, except in Darjiling Hill Council areas of Darjiling district. There are at present 3437 Gram Panchayats (at village level), 331 Panchayat Samities (at block level) and 18 zilla parishads (at district level). The administrative structure has a hierarchical pattern with independent department put in charge of particular subjects of governance. The departments related to biodiversity conservation and sustainable use are forest, agriculture, animal husbandry, fisheries, environment and panchayat. Conservation of biodiversity is also the responsibility of general administration and police departments. These state level administrative units work with Central Government counterparts of the respective ministries. Various programmes for

raising the standard of living have directly or indirectly contributed to the conservation of state's biodiversity. The Minimum Needs Programme (MNP) launched in 1974, aimed for improvement of health services, housing, water supply, energy of various sources, nutrition, sanitation, production activities, marketing and environment of rural people. The programme of land reform envisages changes in the agrarian relation between the land and litter of the soil on one hand, while the litter and the owner of the land on the other. The thrust of the land reforms is to restructure the agrarian set up as to achieve an egalitarian social structure. Area oriented Fuel Fodder project in the forest fringe areas of fuel deficit districts aims to supply fuel and fodder to the local populations so that illicit felling in Government forests is reduced and at the same time local fringe population get some employment to sustain themselves during lean months. Apart from these many other policies and programmes directly or indirectly related to biodiversity have been adopted by the Government and those will be discussed in the respective chapter. However, the trickle-down effect of them is still very little and achievements are being neutralized by the pressure of ever-increasing human population growth.

## ECOSYSTEMS OF WEST BENGAL

Ecosystem is defined as a dynamic complex of interactive and interdependent biotic communities and their abiotic environment, functioning within a definable boundary. However, as variations and gradations between ecological communities are yet to be adequately and properly understood, it is difficult to provide full proof and universally accepted definition and classification of ecosystem. In reality, there is unanimity in identifying the ecosystem boundary and there is no discrete discontinuous unit in natural environment. Therefore, an ecosystem may be as large as biogeographic region or as small as natural habitat and its diversity may be considered at three levels – biogeographic region, biotic province and biomes. In the present report for the sake of convenience, ecosystem diversity has been considered at biome level. Biome can be equated to Champion and Seth's (1968) broad forest vegetation types with the addition of non-forest categories such as grassland, wetland, etc.

### A. I. FORESTS :

Willis (1951) defined forest as a closed assemblage of trees allowing no break in the overhead canopy, homogenous of one species or diversified. Depending on the climatic, edaphic, altitudinal, anthropogenic and other factors, forest type varies widely from one part of the earth to the other in respect of floristic and in turn faunistic composition. It has already been discussed that West Bengal exhibits great variations in altitude, climate and edaphic features. This has favoured not only the growth of forest cover but also led to great diversity of forest ecosystems in the state.

The recorded forest of West Bengal is about 11879 Sq.Km. i.e., 1.54 percent of the recorded forest of India and 13.4 percent of the state's total geographical area (Dept. of Environment & R.K.M., 2002). Legal status-wise, Reserve

forest constitutes 59.38 percent, protected forest 31.75 percent and unclassified forest 8.78 percent.

Following Champion and Seth's (1968) classification of forests of the country, ten different types of forest can be recognized within the territory of West Bengal (Table 7). From the table 7 it is obvious that the forests are mainly concentrated in three large patches of north, south and south-west parts of the state. Maximum diversity is being exhibited in the forests of north. In the north, which includes the outer Himalaya, the forest zone begins with alpine/subalpine meadows and rhododendron with junipers at its highest altitudinal situation. Below this, occurs the Temperate forests of Oaks, Chestnuts, Laureh, Magnolia, Alder, Birch, Bucklandia, etc. along with *Tsuga* in patches. Epiphytic flora is exceptionally rich and almost all the trees are covered with thick layer of epiphytes. Fern dominates over the flowering plants. The lowest slopes, which continues into plains of 'Duars' and 'Terai', supports tropical and subtropical mixed forests ranging from moist deciduous to semi-evergreen and moist sal forests. Most of these forests are not typical natural deciduous forests but only subclimax. Introduced weedy species of the genera *Mikania*, *Eupatorium*, *Lantana*, etc., could be seen during dry season. Epiphytes and lianas flora are extremely low. In the flood plains of this zone, riparian forests of Khair, Sisso, etc. occur along with an alluvial Savannah wood land formation. Further south, lower alluvial plains of Ganga and Mahananda in the districts of Maldah, North and South Dinajpur, freshwater swamp forests of *Barringtonia acutangola* could be seen. At the southern extremities, the estuarine of Ganga system bear the tidal Mangrove forests. South Western part of the state has dry deciduous forests mainly of Sal, Mahua, etc.



**Table-7 :** Forest types of West Bengal (Source : Dept. of Environment and Ramkrishna Mission, Narendrapur 2002. West Bengal State Biodiversity Strategy and Action Plan).

Name	Location	Area(Km <sup>2</sup> )
Northern Tropical Wet Ever green	North Bengal plains up to 150M.	167
Northern Sub-tropical Semi Ever Green	North Bengal Hills from 151-300 M.	25
North Indian Moist Deciduous	North Bengal plains up to 150M.	1757
Littoral and Swamp-Mangroves	Estuarine South Bengal	4263
Littoral and Swamp-Tropical Seasonal Swamp	Maldah and South Dinajpur	20
Northern Tropical Dry Deciduous	South West West Bengal	4527
Northern Sub-Tropical Broad Leaved Wet Hill	North Bengal Hills from 301-1650M.	800
Northern Montane Wet Temperate	North Bengal Hills from 1651-3000M.	150
East Himalayan Moist Temperate	North Bengal Hills from 1500-1800M.	150
Sub-Alpine	North Bengal Hills from 3001-3700M.	20

All the above forests may be subdivided into a number of sub-types or biomes, each of which supports a particular ecosystem with particular combination of physiography, climate, soils and biotic components. While mangroves and grasslands will be considered separately, other forest ecosystems are discussed below.

#### **A.I.I. Alpine and Temperate Forests of Darjiling :**

**(i) Altitude (2400-2700 M) :** Comprise a fascinating temperate vegetation predominated by *Quercus lineata*, *Q. lamellosa*, *Lithocarpus pachyphylla*, *Castanopsis purpurella*, *Magnolia campbelli*, *M. globosa*, *Michelia excelsa*, *Eurya ocluminata*, varieties of *Rhododendron*, *Euonymus frigidus*, etc. Temperate conifers mainly restricted to Singalila range include *Abeis pindrow*, *Larix griffithi*, *Tsuga brunoniana*, *Pinus roxburghii*; the latter is found only in dry inner valleys. The other typical plants are : *Acer* sp., *Berberis* sp., *Betula* sp., *Celastrus stylosus*, *Landera* sp., *Sambucus* sp., *Vaccinium* sp. The region also abounds with fascinating herbaceous undergrowth with many temperate and alpine species of flowering herbs and handsome ferns and numerous species of orchids. The

vicissitude of orchids is an indicator of extremely rich biodiversity of this zone. The characteristic distribution of scrub forest communities could be found generally on the sites of abandoned shifting cultivation and in the areas which are excessively over grazed or where trees have been ruthlessly lopped. In the deep valleys where soil is more moist due to seepage of water and minerals, formation of mixed and merophyllus communities are met with.

**(ii) Altitude (2700 M and above) :** In the highest limit Conifer-Rhododendron forest is predominant. The dominating element in this forest is *Arundinaria racemosa* which is found to grow as a pure crop or as element in the undergrowth of this high forest. Lower zone of this forest is chiefly represented by different species of *Rhododendron* with patches of conifers and scattered growth of *Lithocarpus pachyphylla*, *Quercus spicata*, *Acer campbellii* and *Magnolia campbellii*. Among the conifers, *Taxus baccata* is scatteredly distributed at higher elevations of the Tonglu Range. But further upwards, towards phaloot *Taxus* is replaced to a large extent by *Tsuga dumosa* and thence higher up merge with *Abeis spectabilis*.



Ultimately this is replaced by *Rhododendron* of higher distribution and by *Betula utilis* in the highest limit. Sometimes pasture lands come across on the boundary of Nepal and West Bengal.

Faunal species also exhibit some extent of altitudinal zonation. While large-sized mammalian species are mainly restricted in the lower slopes, the smaller forms like Voles (*Pitimys* sp.), Water Shrew (*Nectogale* sp.), Pika (*Ochotona* sp.), Long-eared Bat (*Plecotus* sp.), Barbastelle (*Barbastella* sp.), etc. are mainly concentrated at higher elevations. Among the mammalian species of Temperate forest Tiger (*Panthera tigris*), Leopard (*P. pardus*), clouded Leopard (*Neofelis nebulosa*), Leopard cat (*Prionailurus bengalensis*), Himalayan Black Bear (*Selanarctos thibetanus*), Red Panda (*Ailurus fulgens*), Yellow-throated Marten (*Martes flavigula*), Barking Deer (*Muntiacus muntjak*), Goral (*Nemorhedus goral*), Serow (*Capricornis sumatraensis*), Flying squirrels (*Petaurista* sp., *Belomys* sp.), etc. are of conservation significance. Enchanting plumage display, chirpy calls of a wide range of avifauna provide an unique dimensions to these forests. Many of the threatened bird species *viz.*, Satyr Tragopan (*Tragopan satyra*), Kaleej Pheasant (*Lophura leucomelana*), Blood Pheasant (*Ithaginis cruentus*), Hill Partridge (*Abroptila mandelli*) find shelter in the hill forest. Only Indian Salamander (*Tylostotriton verrucosus*) also found in the aquatic and semiaquatic habitats and grasslands of lower hill region. Faunal groups which are often associated with soil, litter, understone, woods and grasslands such as Isoptera, Dermaptera, Orthoptera, Coleoptera, Dictyoptera, Annelida, Collembola, Acarina are also found in large number. A mammoth diversity of moths and butterflies (Kaiser-I-Hind, Krishna Peacock, Lunar moth, Five ring butterfly, Oak leaf butterfly) spiders, wasps are met with, but detailed inventory and taxonomic study are yet far from the complete.

Anthropogenic impact on the forest ecosystems of mountains is developing critical situations at a faster rate than on most other types of ecosystems. Vast land areas of the Himalayas may be considered environmentally 'derelict land' due to poor land maintenance practice, altered agricultural practices, and over-intensive land use. Landmasses are highly susceptible to soil erosion and landslides. Soil properties are also deteriorated owing to monoculture, ruthless destruction of native plant species and overgrazing. Increased and mostly unplanned tourism resulting noise, huge fuel-wood consumption and frequent movement through forests. All these are disturbing the normal activities of Wildlife as well as their feeding and breeding grounds. Further, the unused material like plastic containers, glass bottles, etc. are converting many areas into slums.

#### **A.I.2. Tropical and Subtropical Forests of North Bengal :**

Number of rivers like Mahananda, Teesta, Torsa, Jaldhaka, Sankosh and their tributaries intersect extensive tracts of lower hills and plains of North Bengal. This helps in subtending various kinds of magnificent Tropical, Sub-tropical forests and grasslands. Annual rainfall (3100-5400 mm) with range of temperature between 31°C to 40°C provide ideal conditions for the development of four main kinds of forests, *viz.*, i. Tropical Semievergreen, ii. Moist Sal, iii. Riverine *Acacia catechu* *Dalbergia sisso*, iv. Savannah.

Under the prevailing warm damp climatic condition though wet evergreen forests are likely to develop yet such forests are located in restricted patches near rivers and streams of submontane plains. The common trees of notable dimensions include : *Aphanamixis semiserrata*, *A. spectabilis*, *Actionodaphne obovata*, *A. angustifolia*, *Cinnamomum obtusifolium*, *C. cecicodaphne*, *Chisocheton puniculatus*, *Chukrasia tabularis*, *Cryptocarya* sp., *Dysoxylum* sp., *Elaeocarpus robustus*, *E.*

*varuna*, *Elaeodendron glaucum*, *Ehretia acuminata*, *Kurrimia pulcherrima*, *Knemal longifolia*, *Symplcos* sp., *Tetrameles nudiflora*, *Vatica lancifolia*, *Walsura tabulata* and others. A number of shrubby species like *Phlogacanthus thyriflorus*, *Marinda angustifolia*, *Coffea bengalensis*, *Leea* sp., *Ixora* sp., etc. and flourishing growth of ferns are also visible as undergrowth. North-eastern parts of Jalpaiguri district have rattan brakes as a conspicuous vegetation set up specially in swampy situation. The well-represented species are *Calamus inermis*, *C. jagellum*, *C. guruba*, *C. tenuis* and *Daemonorps jenkinsianus*. Among the wild bamboo species, *Dendrocalamus bassifonii*, *Cephalostachyum capitatum* and *Bambusa* sp. are commonly found. On the submontane gentle slope a special type of vegetation dominated by members of Convolvulaceae could be found. In this vegetational layout large trees like *Michelia champaca*, *Amoora wallichii*, *Duabanga grandiflora* and magnificent *Acrocaupus fraxinifolius* grow a part with a number of herbaceous or subwoody climbers entangling beneath.

Forests with *Acacia catechu* and *Dalbergia sisso* as predominating species are found on sandy soil and characteristically prevalent on the beds of perennial and seasonal rivers. Here, other commonly associated species are *Acacia concinna*, *A. stipulata*, *Albizia procera*, *Bombax ceiba*, *Bridelia stipularis*, *B. tomentosa*, *Capparis olacifolia*, *Cassia tora*, *Coffea bengalensis*, *Cordia dichotoma*, *Croton caudatus*, *Dalbergia hircina*, *D. lanceolaria*, *D. stipulacea*, *Erythrina indica*, *Grewia laevigata*, *Milletia auriculata*, *Premna latifolia*, *Toona ciliata*, *Trewia nudiflora*, etc. Undergrowth is mainly composed of *Mimosa himalayana*, *Saccharum spontaneum* and *Eupatorium odoratum*. Further on land, where soil formations have been progressed, a crop predominantly of *Albizia lebeck* and *Bombax ceiba* in association with *Erythrina* sp., *Trewia*

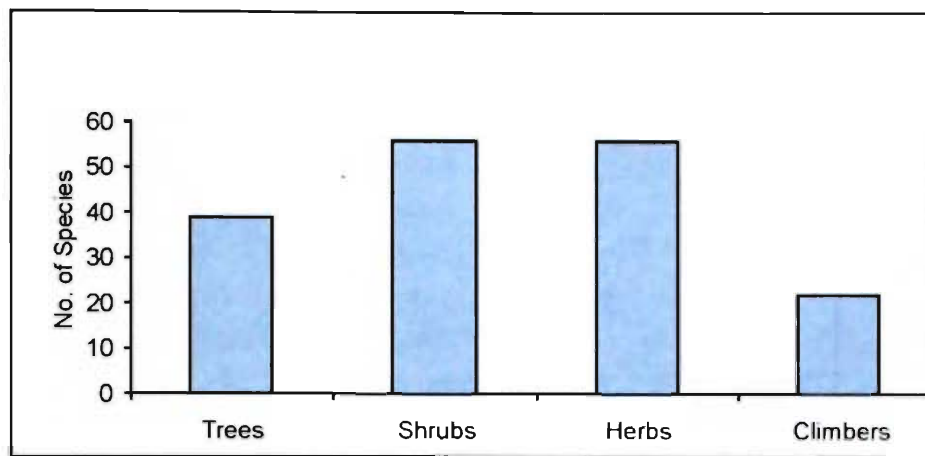
*nudifera*, *Adina cordifolia*, *Bichoffia javanica* at the top storey is found. Here lower storey is mainly composed of *Alstonia* sp., *Premna bengalensis*, *Ulnus lancifolia* and others.

The moist Sal (*Shorea robusta*) forests of North Bengal in general are of plantations by the State Forest Department. Common associates are *Sterculia villosa*, *Lagerstroemia parviflora*, *Schima wallichii*, *Chukrassia tabularis*, *Morinda angustifolia*, *Maesa indica*, *Terminalia bellirica*, *Strobilanthes capitatus* and others. Surubs like *Ochna pumila*, *Coffea bengalensis* alongwith climbing *Asparagus racemosus* are also found to grow in these forests mixed with grasses, viz., *Cantotheca lappacea*, *Microstegium ciliatum*, etc.

Impressive grassy terrains are found mainly on clear land formed by erosion and washing away by rivers. It supports grasses like *Saccharum spontaneum*, *S. procerum*, *Phragmites karka*, *Erianthus elephantinus*, *Themeda villosa* and *Anthestaria gigantea* with scattered trees like *Albizia procera*, *Bombax ceiba*, *Butea monosperma* and others. At places these grasslands are replaced by a typical mixed deciduous forest of *Dillenia pentagyna*, *Careya arborea*, *Toona ciliata*, *Shorea robusta* and *Dalbergia sisso*. Details of grasslands will be considered under grassland ecosystem.

Floral richness of Tropical and Subtropical forests can be evidenced from a study of Mahananda Wildlife Sanctuary by State Forests Department and Nature Environment and Wildlife Society (1996). Within 129.04 Sq.Km. area of the Sanctuary as many as 39 species of trees, 56 species of herbs, 54 species of shrubs and 22 species of climbers have been recorded (Text-fig.4).

The rich foliage cover and presence of an wide array of flora invariably offer a host of microclimatic conditions and niches for huge diversity of faunal species in these forests. Mammalian species include at least 4 species of shrews, 19 of bats and 11 of rats and mice.



**Fig. 4** : Floristic richness of Mahananda Wildlife Sanctuary.

Scaly mammal *Manis* sp. is fairly common. Large number of carnivore species like Tiger (*Panthera tigris*), Leopard (*P. pardus*), Mongoose (*Herpestes* sp.), Bears (*Selanarctos* sp., *Melursus* sp.), Otters (*Lutra* sp.), Civets (*Viverra* sp., *Viverricula* sp.), Cats (*Felis* sp., *Pardofelis* sp., *Neofelis nebulosa*), Fox and Jackal (*Vulpes* sp., *Canis* sp.), etc. play the role of predators at various levels. A good number of ungulate species, viz., Elephant (*Elephus maximus*), Sambar (*Cervus unicolor*), spotted Deer (*Axis axis*), Hog Deer (*Axis porcinus*), Goral (*Nemorhedus goral*), Gaur (*Bos frontalis*), Wild Boar (*Sus scrofa*) are fairly common, while Great one-horned Rhinoceros (*Rhinoceros unicornis*) is confined to two protected areas of these forests within West Bengal outside Assam. Reports of the occurrence of most critical species, Pygmy Hog (*Sus salvanius*) is also available from here. Large number of arboreal species of mammals, viz., Monkeys (*Macaca* sp.), Langur (*Semnopithecus entellus*), Squirrels (*Petaurista* sp., *Callosciurus* sp., *Ratufa* sp., *Dremomys* sp.) adorn the canopy. Nearly three hundred species of birds including Pea Fowl (*Pavo cristatus*), Openbill stork (*Anastomus oscitans*), Lesser adjutant (*Leptoptilos javanicus*), Osprey (*Pandian haliaetus*), Kaleej pheasant (*Lophura leucomelana*), Barn Owl (*Tyto albo*), Great Pied Hornbill (*Tockus birostris*) contribute significant biomass to the forest ecosystem of this zone. A very small population of Bengal Florican (*Eupoditis bengalensis*) is still found

in the grassland area. Among the poikilothermus vertebrate species, Tree Frog (*Polypedates leucomystax*), Balloon Frog (*Uperodon globulosus*), Leaping Frog (*Rana erythraea*), Python (*Python molurus*), Cobra (*Naja naja*), King Cobra (*Ophiophagus hannah*), Krait (*Bungaras* sp.), Indian Tent turtle (*Kachuga tentoria*), Leaf Turtle (*Cyclemys* sp.), ornamental flying snake (*Chrysopalea ornata*), Monitor Lizard (*Varanus* sp.) and many others abound the forest floor. A great diversity of insects, spiders, acarines, earthworms, molluscs and other invertebrate groups inhabit the soil, ground, litter, under stone and decaying woods, grassland and trees. They play the most important role of decomposers and also the pollinators in the forest ecosystem. Faunal richness is evident from the glimpses of species diversity in three protected areas, viz., Jaldapara Wildlife Sanctuary (216.5 Sq.Km.) Mahananda Wildlife Sanctuary (129.04 Sq.Km) and Gorumara National Park (79.99 Sq.Km.) (Text-Figs.5-7). Entire Tropical and Sub Tropical Forest ecosystem of North Bengal is very much vulnerable mainly owing to tremendous human population pressure. Encroachment of forest land for settlements, regular felling practices for a pretty long period, grazing, hunting, damming, mining, developmental activities, random use of pesticides in the tea garden combined with recent terrorist activities have already deteriorated the ecological situation to a great extent. Occasional flash flood is one of

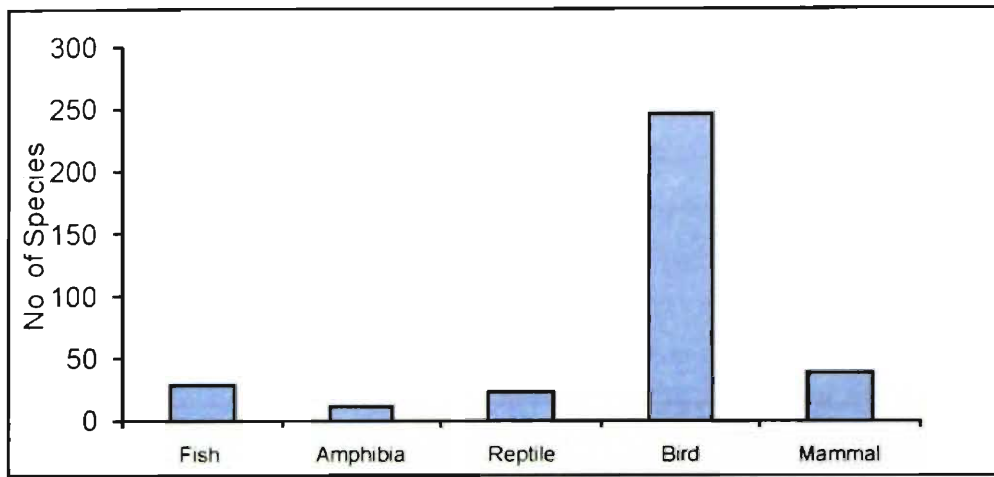


Fig. 5 : Faunal richness of Jaldapara Wildlife Sanctuary.

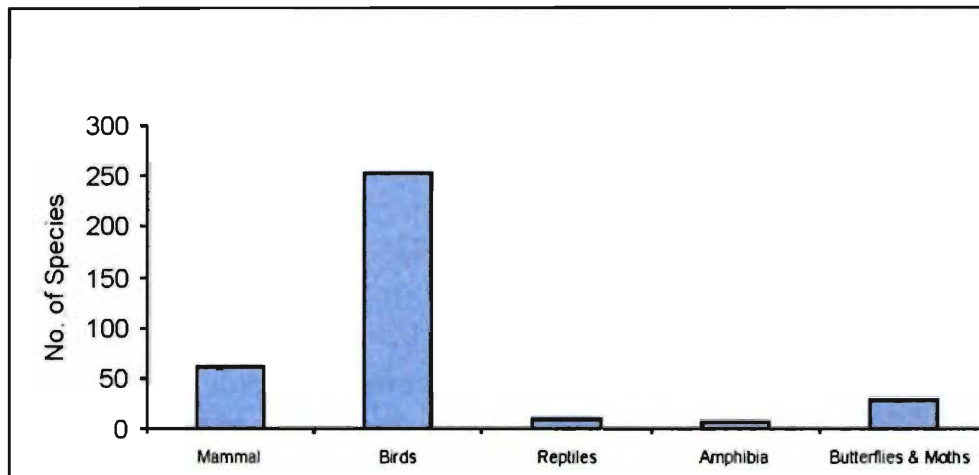


Fig. 6 : Faunal richness of Mahananda Wildlife Sanctuary.

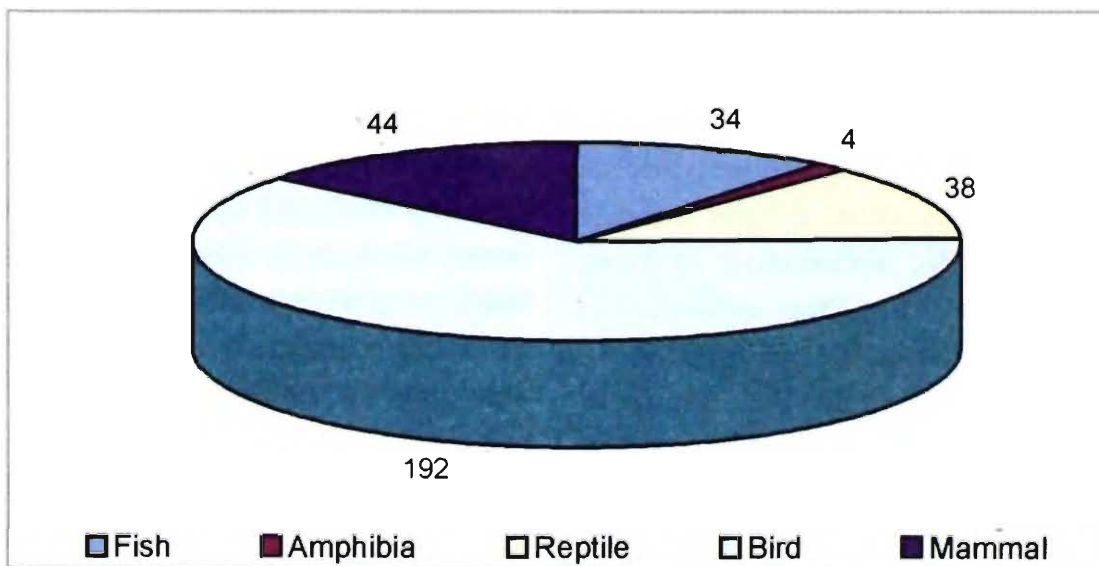


Fig. 7 : Faunal richness in Gorumara Wildlife Sanctuary.

the most important natural threats of this region.

**A.I.3. Tropical Dry Deciduous Forests of South West West Bengal :**

Due to extension of the floristically rich hilly plateau of Bihar and Orissa along the Western boundary of West Bengal, vegetation in these areas of the bordering districts represents a

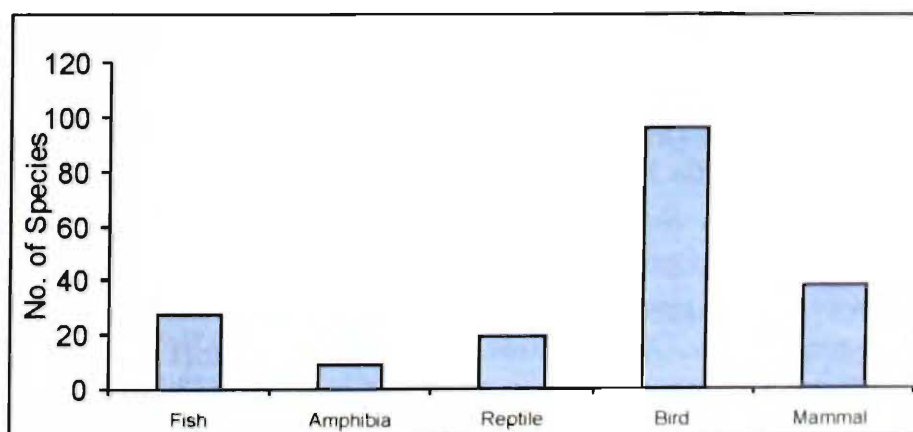
distinct type of flora related to the adjoining drier areas of the two states. Excepting a few heavy showers during the monsoon, the region is considerably dry. The hot spell of summer with high temperature has allowed in the development of only one kind of forest under Tropical Sub-humid Deciduous type dominated by Sal. The associated elements are *Acacia*



*catechu*, *Aegenitia indica*, *Alangium salvifolium*, *Albizia lebeck*, *Apluda mutica*, *Anogeissus latifolia*, *Ardisia solanacea*, *Azadirachta indica*, *Bauhinia vahlii*, *Bombax ceiba*, *Borassus flabellifer*, *Boswellia serrata*, *Breynia vitisidaea*, *Butea sp.*, *Cassia fistula*, *Celastrus paniculata*, *Cleistanthus collinus*, *Dioscorea sp.*, *Emblica officinalis*, *Eulaliopsis binata*, *Ficus bengalensis*, *F. religiosa*, *F. virens*, *Flemingia chappar*, *Holarrhena papescens*, *Holoptilea integrifolia*, *Justicia adhatoda*, *Lantana camara*, *Madhuca indica*, *Miliusa sp.*, *Mallotus philippensis*, *Naravelia plicata*, *Phoenix sylvestris*, *Pothas scandens*, *Sapindus emarginatus*, *Smilax zeylanica*, *Solanum surattense*, *Syzygium cumini*, *Tamarindus indica*, *Terminalia arjuna*, *T. bellirica*, *T. chebula*, *Ventilago denticulata*, *Viscum album*, *Xylia xylocarpa*, *Zizyphus sp.* and many others. In addition to the forested tracts, large number of floral species are associated with the wastelands of this part. Notable species are *Aerva lanata*, *Acanthospermum hispidum*, *Calotropis gigantean*, *Datura metel*, *Ficus hispida*, *Hyptis suaveolens*, *Martynia annua*, *Panicum psilopodium*, *Scoparia dulcis*, *Perotis indica*, *Setaria glauca*, etc. Another important aspect of the forest ecosystem of south west West Bengal is the large scale plantations of *Eucalyptus sp.*, *Akashmoni-Acacia auriculiformis* and *Sal-Shorea robusta* in the degraded sal forest areas since sixties and seventies.

Large range of entomological species are found in the forests, agricultural fields as well as wastelands. Predominant groups are Coleoptera, Lepidoptera and Hemiptera. Marbled Toad (*Bufo stomaticus*), Ornata Microhylid (*Microhyla ornata*), Painted Frog (*Kaloula pulchra*), Skipping Frog (*Rana cyanophlyctis*), Jerdon's Bull Frog (*Rana crassa*), Tokay (*Gekko gekko*), Dwarf Rock Lizard (*Psammophilus blanfordanus*), Yellow Monitor (*Varanus flavescens*), Rat Snake (*Ptyas mucosus*), Water Snake (*Enhydris endris*), Wolf Snake (*Lycodon aulieus*), Cobra (*Naja naja*), are some of the poikilothermus species of the region. From the qualitative point of view, mammalian and Avian fauna in this ecosystem is very rich containing Indian Pangolin (*Manis crassicaudata*), Wolf (*Canis lupus*), Fox (*Vulpes bengalensis*), Mongoose (*Herpestes sp.*), Leopard (*Panthera pardus*), Spotted Deer (*Axis axis*), Indian Elephant (*Elephas maximus*) and more than hundred species of birds. However, most of these species are represented by a very small number of individuals in a fragmented manner. Qualitative richness of faunal species in the Dry deciduous Forest Ecosystem of South West West Bengal is evident from the study of faunal composition in Ajodhya Hills of Puruliya district (Text-Fig. 8).

Continuous biotic influences have considerably changed the natural characteristics of Dry Deciduous Forests of South Western region. The present quality and



**Fig. 8** : Faunal richness in Ayodhya hills of Puruliya District.

density of forests are very different than what these were in the past. Continuity of forests in this stretch has been broken by topographical features and finally by human interference. Forests are generally in patches and considerably degraded due to massive industrialization, mining, settlements and felling. Faunal resources have also been depleted due to continuous hunting pressure particularly from tribals.

## A.2. GRASSLANDS :

Grassland means a landscape in which the grasses are the dominant plants. It is one of a number of seral phases of vegetation. The vegetation structure is dynamic, one ecological association follows another in an orderly sequence, known as the 'Sere'. Dabadghao and Shankaranarayan (1973) have recognized five main/broad grass cover types of India, of which following three are found within the territory of West Bengal.

### A.2.1. Phragmites-Saccharum-Imperata type :

Found mainly in the alluvial plains. The predominant grasses are *Saccharum procerum*, *S. spontaneum*, *Arundo donax*, *Phragmites karka*, *Imperata cylindrica*, *Bothriochloa pertusa*, *Apluda mutica*, *Vetiveria zizanioides*, *Setaria intermedia*, *Erianthus arundinacea*, *Pennisetum glaucum* and others.

### A.2.2. Themeda-Arundinella type :

This grass cover extends to humid montane region and moist sub-humid areas of Darjiling hills around 350 M to 2,100 M. The tract between 1,800 M and 3100 M may also be considered as transition zone. The dominant perennial grasses are *Arundinella bengalensis*, *A. nepalensis*, *Themeda* sp., *Bothriochloa intermedia*, *B. pertusa*, *Chrysopogon fulvus*, *C. gryllus*, *Erianthus longisetosus*, *Cynodon dactylon*, *Cymbopogon* sp., etc. Areas where the grassland is subjected to light disturbances as cutting or grazing, have luxuriant growth of *Themeda* sp.

### A.2.3. Temperate-Alpine type :

This type of grassland could be seen above 1,500 M and further up to the highest point of Singalila range in Darjiling district. Slopes and flats are mainly covered with *Aconitum palmatum*, *Agrostis* sp., *Ajuba lobata*, *Anaplialis* sp., *Begonia* sp., *Campannula colorata*, *Cardamine* sp., *Carex* sp., *Edgaria darjeelingensis*, *Fragaria-versa* sp., *Gynura angulosa*, *Hypoxis aurea*, *Mazus dentatus*, *Lysimachia japonica*, *Origanum vulgare*, *Pilea* sp., *Poa* sp., *Senecio alatus*, *Phleum alpinum*, *Stipa* sp. and many other species of flowering herbs and handsome ferns.

Grasslands primarily support a large number of herbivore species from minute insects to largest land animal—the elephant (*Elephas maximus*). This in turn makes grasslands happy hunting grounds of a large range of carnivorous species of different groups and sizes. Most of the grass lands have some common vertebrate species, such as, Tiger (*Panthera tigris*), Elephant (*Elephas maximus*), Deer (*Axis* sp., *Cervus* sp.), Hare (*Lepus* sp.), Rats and Mice (*Rattus* sp., *Mus* sp., *Bandicota* sp.), Grass Warbler (*Prinia* sp.), Partridge (*Francolinus* sp.), Munia (*Lonchura* sp.), Baya (*Ploceus* sp.) and many others. However, depending upon the geographical locations, ecological set up and management practices, many grassland possess some characteristic faunal elements. One will find Gaur (*Bos frontalis*), Hog Deer (*Axis porcinus*), Great One-horned Rhinoceros (*Rhinoceros unicornis*), Ferret Badger (*Melogale* sp.), Bengal Florican (*Eupodotis bengalensis*), etc. in the plains of North Bengal. While in the upper zones, Pika (*Ochotono* sp.), Vole (*Pitimys* sp.), Goral (*Nemorhedus goral*), Red Panda (*Ailurus fulgens*), Sikkim Blood pheasant (*Ithaginis cruentus*), Kaleej Pheasant (*Lophurus leucomelana*) and wide variety of butterflies are met with. In the grassland of Sundarban, Wild boar (*Sus scrofa*), Spotted Deer (*Axis axis*) and Tiger (*Panthera tigris*) are the most eminent species.

Natural calamities like forest fires, floods, changes in the course of rivers, etc., along with overgrazing and various socio-economic development activities are the major factors threatening grass lands of West Bengal.

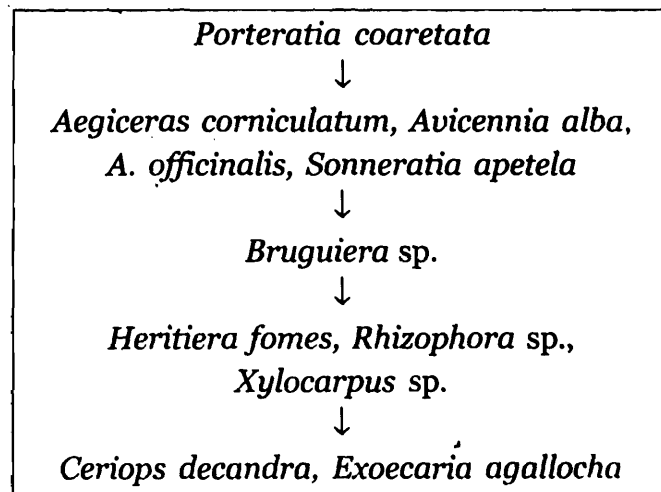
### A.3. MANGROVE :

Mangrove is a part of the forest ecosystem, but discussed separately as it represents a characteristic littoral forest dominated by some specially adapted salt tolerant plant community that grow at land-sea interphase and border sheltered sea coasts and estuaries of tropical and subtropical regions. The mangrove forests comprise a diverse composition of trees and shrubs exhibiting unique adaptation to an environment which is periodically inundated by salt water from one side and freshwater from the other. The mangrove ecosystem is highly productive and exchanges matter and energy with adjacent marine and terrestrial ecosystems.

The southern most part of the state is indented by numerous river openings, *viz.*, Harinbanga, Gosaba, Matla, Thakuran, Saptamukhi, Muriganga and Hugli. All these rivers ultimately end up at the Bay of Bengal, but on the way have encompassed about 108 islands crisscrossed and intersected by various creeks and delta distributaries. This deltaic complex at the apex of Bay of Bengal is the Indian Sundarban. With a total land and water area of about 1,000,000 ha., the Sundarban support the largest mangrove block (nearly 2,123 sq.km. according to 1998 FSI Data) of the country.

The floral community of mangrove ecosystem is well adapted to encounter higher salinity, oppressive heat, tidal extremes as well as water logging. In Indian Sundarban a total of 69 floral species belonging to 20 families and 50 genera have been recognized, out of which 34 species are true mangrove type (Mitra 2000). The typical woody genera represented in the mangrove forests of Sundarban are : *Aegiceras*, *Avicennia*, *Amoora*, *Bruguiera*,

*Ceriops*, *Excoecaria*, *Heritiera*, *Rhizophora*, *Sonneratia* and *Xylocarpus*. The mixed forest of *Heritiera* is quite dense and extends over a fairly large areas in saline water. The highest canopy is occupied by *Heritiera fomes*, *Excoecaria agallocha*, *Ceriops decandra*, *Xylocarpus granatum* and others. However, at present density of *Heritiera fomes* is very much depleted due to extraction. Typical mangroves of moderate heights include *Avicennia alba*, *Ceriops tagal*, *Xylocarpus moluccensis*; some of the bushy shrubs like *Acanthus ilicifolius*, *Dalbergia spinosa*, *Derris scandens* are found to form dense patches along the muddy flat lands. *Nypa fruticans* and *Phoenix paludosa* are the two common palms in mangroves and both are much depleted due to long exploitation. Few of the important grasses exclusive of the mangroves are *Myriostachya wightiana*, *Paspalum disticum*, *Zoysia matrella*, etc. In addition to the true mangrove fairly rich mesophytic flora containing species like *Abutilon graveolens*, *Acacia intsia*, *Bergia ammonoides*, *Calotropis gigantea*, *Capparis sepiaria*, *Cyperus* sp., *Merremia* sp., *Sapium indicum*, *Tribulus* sp, *Vicoa vgestita*, *Wedelia biflora* are also met with. Various marsh grasses, sand binders and macroalgae are also associated with the mangroves. The role played by *Porteratia coaretata* in the event of ecological succession in deltaic Sundarban can not be ignored. This salt marsh grass acts as the pioneer species as represented here in the flow chart (Mitra and Pal, 2002).





Mangrove ecosystem is highly dynamic with constant phenomena like erosion and accretion taking place due to waves, tides and currents. The erosion of soil and dune formation are largely controlled by *pomoea pescapre*, a common sand binder.

Invertebrates exist both as planktonic form in the aquatic subsystem and also as benthic form in and on the substratum, which may be the intertidal zone or the mangrove forest floor. Among planktonic forms, the zooplankton community comprises a heterogenous assemblage of copepods, mysids, lucifers, gammarid, amphipods, cladocera, ctenophores under the haloplankton category; and polychaete, mollusca, echinoderm, crustacean larva, fish eggs under the meroplankton category. Almost all the major invertebrate phyla are represented in the mangroves with considerable species richness; this includes at least 41 species of Platyhelminthes, 78 species of Annelida, 476 species of Arthropoda, 142 species of Molluscs, 20 species of Echinodermata (Mitra and Pal, 2002). The area also invites two important fascinating marine creatures, *Carcinoscorpius rotundicauda* and *Tachypleus gigas* during their breeding in premonsoon months. The Sundarban mangrove ecosystem is also a unique reservoir of vertebrate fauna. About 141 species of Fishes, 8 species of Amphibians, 57 species of reptiles, 161 species of birds and 40 species of mammals have been reported from the mangrove ecosystem of Sundarban (Mandal and Nandi 1989). However, according to Chaudhuri and

Chaudhuri (1994) number of vertebrate species in Sundarban is much more being 654. While Das and Nandi (1999) estimated total number of faunal species (Protista + Animalia) as 1586 and Das (2001) provided the number of macrofaunal species as 1434. The Tiger (*Panthera tigris*) is the Key Stone species of Sundarban. Interestingly, besides Sundarban (including its Bangladesh counterpart) no other mangrove areas of the world harbour tiger population. Apart from tiger, number of other threatened species like fishing Cat (*Prionailurus bengalensis*), Snub-nosed Dolphin (*Orcaella brevirostris*), Little Porpoise (*Neophocaena phocaenoides*), Giant heron (*Ardea goliath*), Lesser Adjutant (*Leptoptilos javanicus*), Osprey (*Pandion haliaetus*), Estuarine Crocodile (*Crocodylus porosus*), Olive Ridley Turtle (*Lepidochelys olivacea*) and many others find shelter in Sundarban. At least five vertebrate species have become extinct from this ecosystem during last 200 years (Table 8).

Mangrove area of West Bengal have been reduced to more than 50 percent, during the last few decades (4,200 sq.km 1987 to 2,123 sq.km. in 1998), revealing clearly the mangrove ecosystem is under considerable threat. Natural threats generally include cyclone, soil erosion and soil sedimentation due to natural cause. Anthropogenic threats mainly include tree felling primarily for fuel and timber, hunting, conversion of mangrove areas for agriculture and aquaculture, human settlement, cultivation, fragmentation, digging of salt pans, lime generation, introduction of exotic species,

**Table-8 :** Species disappeared from Sundarban mangrove ecosystem since last 200 years (Source : Chaudhuri and Chaudhuri 1994).

Scientific name of extinct species	Common name
<i>Cairina scutulata</i>	White Winged Wood Duck
<i>Muntiacus muntjak</i>	Barking Deer
<i>Cervus duvaucelii</i>	Swamp Deer
<i>Bubalu bubalis</i>	Wild Buffalo
<i>Rhinoceros unicornis</i>	Javan Rhinoceros

and over exploitation for various purposes. In Sundarban, unregulated use of shooting nets of small mesh-size for the collection of Tiger Prawn (*Pinaeus monodon*) seeds for trade results in tremendous loss of faunal diversity. Developmental activities like opening of port and harbour, erection of dykes and embankment, discharge of oil, industrial effluent, domestic sewage and pesticides are also posing considerable threats to the mangrove ecosystems of Sundarban.

#### **A.4. WETLAND :**

The wetlands are lands transitional between terrestrial and aquatic systems where water table is usually at or near the surface or the land is covered by shallow water (Cowardin *et al.* 1979). The wetlands are highly productive ecosystem, and perform essential functions including flood control, natural sewage treatment, stabilization of shorelines against wave erosion, recharging of aquifers and supporting rich biodiversity.

In West Bengal, there are about 54 natural and nine man made wetlands which are more than 100 ha. (Biswas and Trisal, 1993) and in addition to these there are numerous small water bodies including ponds, puddles, etc. The two categories combine to cover an area of about 3,44,527 ha. which is about 8.5 percent of the total wetland area in India. A compilation from the satellite imagery data has shown that spatial distribution of wetlands varies from one district to other both in number as well as in area (Dept. of Environ. and R.K.M. 2002). Among the natural wetlands, seasonal waterlogged type of wetland (WSL) in Medinipur and Maldah; cutoff meander (COM) in Koch Bihar; marsh and swamp in South and North Dinajpore and Oxbow type lakes (OL) in Nadia and Murshidabad are significant. In case of Inland man-made wetlands (IMMW), maximum number of reservoirs are observed in Bankura; tanks in Puruliya; man-made water logged (MMWL) in Birbhum; abandoned quarries (AQ) in Bardhaman and ash ponds/

cooling ponds in Murshidabad and Medinipur. Coastal wetlands mostly fall in two districts, *viz.*, South 24 parganas and East Medinipur. From the Biodiversity point of view each and every type of wetland is significant and as complete listing of them is not possible some important ones are mentioned below :

#### **A. Sub Himalayan Region-Extends from hills of Darjiling to Maldah :**

1. Rasik Beel, 2. Malian Dighi, Altai Dighi, Gour Dighi Complex, 3. Teesta Reservoir, 4. Mirik Lake and 5. Kulik.

#### **B. Gangetic Region-Includes the entire south and south west West Bengal excluding the active delta and coastal region :**

1. Kaliganga-Motijheel Complex, 2. Barity Beel, 3. Chupichar, 4. Mathura Beel, 5. Jamuna Beel, 6. Kajla Dighi, 7. Sahebandh, 8. Alipore Zoo, 9. Mudiali, 10. Tilpara Barrage, 11. Durgapur Barrage, 12. East Kólkata, 13. Nalban, 14. Santragachi and 15. Palta.

#### **C. Coastal Region-covering parts of North and South 24 Parganas and East Medinipur :**

1. Gabaria Beel, 2. Alampur and 3. Dadanpatrabar.

Diversity of wetland plants of West Bengal is richest in India and is represented by more than 380 species belonging to 170 genera and 81 families (Ghosh 1996). Wetlands of West Bengal covering only about 8.5% of the Wetland areas (considering water bodies 100 ha) of India, provide shelter for more than 60% diversity of aquatic and wetland flora (Ghosh *op.cit.*). Wetlands of West Bengal are home of 8 species of aquatic fern and fern allies belonging to 6 genera and 6 families; strictly aquatic dicot and monocot are represented by 12 species (8 genera) and 36 species (19 genera) respectively. Large number of terrestrial flowering plant families have also representatives in wetland habitat of West Bengal (Table 9).

**Table-9** : Flowering plant families having representatives in Wetland habitat of West Bengal  
(Source : Ghosh, 2002).

<b>Family</b>	<b>No. of Genera</b>	<b>No. of Species</b>
Acanthaceae	2	5
Aizoaceae	1	1
Amaranthaceae	2	4
Amaryllidaceae	1	1
Apiaceae	3	3
Araceae	5	6
Asclepiadaceae	1	1
Asteraceae	7	9
Balsaminaceae	1	1
Boraginaceae	2	4
Brassicaceae	1	1
Burmanniaceae	1	2
Campanulaceae	1	2
Cannaceae	1	1
Commelinaceae	3	5
Convolvulaceae	1	3
Cyperaceae	11	68
Droseraceae	1	3
Elatinaceae	1	2
Eriocaulaceae	1	9
Fabaceae	6	9
Gentianaceae	1	1
Haloragaceae	1	2
Hydrophyllaceae	1	1
Lamiaceae	1	1
Lentibulariaceae	1	15
Lythraceae	3	11
Onagraceae	1	4
Orchidaceae	1	1
Pandanaceae	1	1
Poaceae	24	45
Polygonaceae	1	5
Ranunculaceae	1	1
Rubiaceae	2	4
Scrophulariaceae	6	27
Solanaceae	1	1
Sphenocleaceae	1	1
Verbenaceae	2	2
Xyridaceae	1	2
<b>Total</b>	<b>103</b>	<b>265</b>

A major portion of the open water interface of the unmanaged water bodies are now occupied by a number of exotic weeds of which *Eichhornia* sp., *Altemanthera* sp. are fairly common. Many of the aquatic floral species of West Bengal, such as, *Aldrovandra vesiculosa*, *Caldesia oligococca*, *Drosera burmannii*, *Euryale najas marina*, etc. are now threatened.

It is obvious that wetlands of West Bengal supports a huge diversity of invertebrate species including Protozoa, Annelida, Arthropoda, Mollusca and others but no exact estimate is available. However, it is interesting to note that the single relict species of Dragon Fly, *Epiophlebia laidlawi* is associated with the hill streams of Darjiling.

Fresh water fish of West Bengal is represented by 172 species distributed in 36 families and 12 Orders (Dept. of Environment and R.K.M. 2002). Wilderness fishes like Chanda, Ghute, etc. are now rare due to indiscriminate use of pesticides. In the aquatic and semiaquatic condition of West Bengal various species of Toads and Frogs, Turtles, Common Indian Monitor, Cobra, Checkered Keel Back, Smooth Water Snake, Russel Viper, Bandicoot Rat, Otter, Fishing Cat and Mongoos are found in fairly good number. Only

representative of Indian Salamander-*Tylototriton verrucosus* is confined to the wet lands of Darjiling. Wetlands of West Bengal provide an ideal habitat for a large range of resident and migratory species of birds. More than 113 species of birds including Great Crested Grebe (*Podiceps cristatus*), Cormorant (*Phalacrocorax carbo*), Darter (*Anhinga rufa*), Grey Heron (*Ardea cinerea*), Openbill Stork (*Anastomas oscitans*), White Ibis (*Threskiornis aethiopica*), Lesser and Large Whistling Teal (*Dendrocygna javanica*, *D. bicolor*), Ruddy Shelduck (*Tadorna ferruginea*), Pin Tail (*Anus acuta*), Red-crested Pochard (*Wetta rufina*) and others have been recorded from the water bodies of West Bengal.

Each and every wetland of the state is facing problems peculiar to it as a result of geographical location, cultural practices and developmental activities. But most of the Wetlands of the state are facing with a common set of problems which may vary in intensities from one location to other. These are :

1. Siltation,
2. Eutrophication,
3. Shrinkage,
4. Encroachment and Reclamation and
5. Pollution.

Major threats to freshwater wetlands of India and the threatened species therein have been listed by Alfred and Nandi (2001).

## SPECIES DIVERSITY IN WEST BENGAL

Since the living world is most widely considered in terms of species, Biodiversity is very commonly used as a synonym of species diversity, in particular of species richness which is the number of species in a site or habitat. The present account of species diversity in West Bengal has been compiled mainly on the basis of State Fauna Series : 3, Parts 1-12 (1992-2000), Flora of West Bengal (Director, B.S.I., 1997), *Paschim Banglar Udvid* (Ghosh, 1997, 1998, 2001) published by the Zoological Survey of India and the Botanical Survey of India. In addition, numerous other publications as mentioned under Methodology have also been taken into consideration. It has been felt that vast areas of the state particularly districts like Maldah, East and West Dinajpur, Murshidabad, Nadia, North 24 Parganas, Puruliya, Birbhum and Bankura have not yet been properly explored in respect of many of the groups. Detailed lists of plant and animal species occurring in West Bengal along with their district-wise distribution have been provided in Parts II and III. However, for some of the groups list is incomplete due to non-availability of species name. It is sure that there will be manifold increase in the existing number of species with the systematic survey and

taxonomic studies particularly in respect of minor groups. Again many of the floral and faunal species are represented by a large number of subspecies, varieties and races, resulting enormous richness in respect of genetic diversity. The account has certain shortcomings in respect of the coverage of some groups due to non-availability of data. The number of the species shown under different groups in the present report may vary slightly from that shown for that group in other literature. Mostly such discrepancies are owing to the differences in opinion in the taxonomic treatment. In recent time district Medinipur and West Dinajpur has been divided into two districts each. However, in the analysis of district-wise richness, undivided Medinipur and West Dinajpur have been taken into consideration.

### I. Floral Diversity

Floral diversity of the state is equally impressive as the fauna and exhibits distinct zonation in respect of species composition which has already been discussed in connection with ecosystem diversity. So far, over 7000 plant species excluding viruses have been described from the state as against nearly

**Table-14** : Recorded number of species in some major plant groups in India and West Bengal (Adopted from Mudgal and Hazra 1997 and Dept. of Environment & Ramkrishna Mission 2002).

Groups	No. of Species		Percent in West Bengal
	India	West Bengal	
Bacteria	850	96	11.29
Algae	6500	865	13.30
Fungi	14500	860	5.93
Lichens	2051	600	29.69
Bryophyta	2850	550	19.29
Pteridophyta	1200	450	37.50
Gymnosperms	64	21	35.00
Angiosperms	17500	3580	20.45

46000 species in India. Group-wise break up of number of species in some major plant groups in the state as compared to that of country has been provided in Table 14. Due to nonavailability of all the literature, particularly for Bryophyta, only the list of major plant species of West Bengal are appended in this book.

I.1. *Bacteria* : Over 85 species under 57 genera have been recorded from West Bengal.

Most of the genera are known by single species in the state. However, the genera *Pseudomonas*, *Staphylococcus* and *Staptomyces* have 5, 8, 4 species respectively. Detail account of the bacterial species from the different regions of West Bengal has not yet been worked out, however, a list of few specific *lytic* bacteria recorded from Indian Sunderbans is given in Table 15.

**Table-15** : List of a few specific lytic bacteria in Indian Sundarban (Source : Dept.of Marine Science, Univ.of Kolkata. 1987. Multidisciplinary Research Approach and Report on Mangrove Ecosystem of Sundarban).

Name of bacterium	Cellulolytic		Chiti nolytic	Pec- tino- lytic	Pro- teo- lytic	NH <sub>3</sub> For- mation	NO <sub>2</sub> For- mation NH <sub>3</sub>	NO <sub>3</sub> For- mation NO <sub>2</sub>
	C <sub>1</sub>	C <sub>2</sub>						
<i>Bacillus alvei</i>	-	-	++	++	+	++++	+	+
<i>Bacillus cereus</i>	-	X	-	X	X	X	X	X
<i>Brevibacterium</i> sp. (St.1)	+	-	+	++	+++	++++	+++	++
<i>Bravibacterium</i> sp. (St.2)	+	-	+	X	++	+++	X	X
<i>Bravibacterium</i> sp.	-	-	-	-	+++	++	++	++
<i>Bravibacterium</i> sp.	-	X	X	X	X	X	X	X
<i>Marinopiscosum</i> sp.	-	-	-	++	X	++	++	++
<i>Bravibacterium</i> sp. (St.4)	X	-	X	X	X	X	X	X
<i>Bravibacterium</i> sp. (St.5)	+	+	++	-	X	++	++	++
<i>Bravibacterium</i> sp. (St.6)	-	+	-	X	X	++	++	++
<i>Bravibacterium</i> sp. (St.7)	++	X	X	X	X	X	X	X
<i>Bravibacterium</i> sp. (St.8)	+	-	+++	-	X	++	++	++
<i>Bravibacterium</i> sp. (St.9)	X	X	X	X	X	X	X	X
<i>Bravibacterium</i> sp. (St.10)	X	X	X	X	X	X	X	X
<i>Bravibacterium</i> sp. (St.11)	X	X	X	X	X	X	X	X
<i>Bravibacterium</i> sp. (St.12)	X	X	X	X	X	X	X	X
<i>Bravibacterium</i> sp. (St.13)	X	X	X	X	X	X	X	X
<i>Butyribacterium</i> sp. (St.1)	+	X	-	-	X	++	++	++
<i>Butyribacterium</i> sp. (St.2)	X	X	X	X	X	X	X	X
<i>Clostridium weneri</i>	+	X	-	-	X	++	++	++
<i>Clostridium</i> sp. (St.1)	-	-	-	++	X	++	++	++
<i>Clostridium</i> sp.	X	X	X	X	X	X	X	X
<i>Corynebacterium</i> sp.	++	-	+	X	++	++	++	X

Table-15 : Cont'd.

Name of bacterium	Cellulolytic		Chiti nolytic	Pec- tino- lytic	Pro- teo- lytic	NH <sub>3</sub> For- mation	NO <sub>2</sub> For- mation NH <sub>3</sub>	NO <sub>3</sub> For- mation NO <sub>2</sub>
	C <sub>1</sub>	C <sub>2</sub>						
<i>Kurtbia bessonii</i> (St.1)	++	-	-	-	++	++	++	X
<i>Kurtbia bessonii</i> (St.2)	-	X	-	++	X	X	X	X
<i>Kurtbia Bessonii</i> (St.)	-	Xx	+	-	X	X	X	X
<i>Kurtbia Bessonii</i> (St.3)	++	X	X	X	X	X	X	X
<i>Kurtbia</i> sp. (St.b)	-	-	X	-	X	X	X	X
<i>Kurtbia</i> sp. (St.c)	-	X	++	X	X	X	X	X
<i>Kurtbia</i> sp. (St.d)	++	-	++	+=	X	X	X	X
<i>Kurtbia</i> sp.(St.e)	-	-	-	++	X	++	++	++
<i>Kurtbia</i> sp. (St.f)	X	X	X	X	X	X	X	X
<i>Lactobacillus</i> sp. (St.1)	+	+	—	—	+++	++++	++	++
<i>Lactobacillus derbrueckii</i>	-	X	-	X	X	X	X	X
<i>Lactobacillus</i> sp. (St.2)	X	X	X	X	X	X	X	X
<i>Lactobacillus</i> sp. (St.3)	X	X	X	X	X	X	X	X
<i>Lactobacillus</i> sp. (St.4)	X	X	X	X	X	X	X	X
<i>Lactobacillus</i> sp. (St.5)	X	X	X	X	X	X	X	X
<i>Listeria</i> sp. (St.1)	-	-	+	X	+	++	X	X
<i>Listeria monocytogenes</i>	-	X	-	X	X	X	X	X
<i>Macrococcus agilis</i>	-	-	+++	X	++	++	++	X
<i>Macrococcus</i> sp. (St.1)	-	-	X	++	++	++	—	X
<i>Micrococcus candidus</i>	-	X	-	X	++	++	—	X
<i>Macrococcus</i> sp. (St.2)	-	X	+	X	X	X	X	X
<i>Pseudomonas</i> sp. (St.1)	++	X	X	X	++	++	++	+
<i>Pseudomonas</i> sp. (St.2)	X	X	X	X	X	X	X	X
<i>Pseudomonas</i> sp. (St.3)	X	X	X	X	X	X	X	X
<i>Pseudomonas</i> sp. (St.4)	X	X	X	X	X	X	X	X
<i>Pseudomonas</i> sp. (St.5)	X	X	X	X	X	X	X	X

+ : Positive, - : Negative, X : Not experimented yet.

II.2. *Thallophyta* : Represents the oldest and the most primitive type of plants characterised by the simplicity of structure of their vegetative bodies and of reproductive method. Two main groups, viz., Algae and Fungi stand out prominently within the Thallophytes. Algae possess green colouring matter or chlorophyll,

Fungi on the other hand never possess chlorophyll.

II.2.A. *Algae* : As many as 6500 species under 666 genera are known from India. In the state nearly 865 species, i.e. 13.30 percent of Indian species, under 189 genera and 15 families have been recorded. Some of the



genera such as *Cosmarium*, *Oscillatoria* and *Euastrum* exhibit great diversity in the number of species, containing 86, 41 and 30 species each respectively. However, fairly good number of genera *viz.*, *Noctiluca*, *Pithophora*, *Synedra*, *Wollea*, etc. are represented by single species in the state. District-wise distribution of algae in West Bengal is shown in fig.9.

II.2.B. *Fungi* : Only a small percentage (5.93%) of Indian fungal species has so far been recorded from West Bengal. About 860 species under 291 genera and 93 families are known from the state. Rich generic diversity is

exhibited by the families Moniliaceae (28), Polyporaceae (15) and Dothideaceae (10), while many of the families like Onygenaceae, Olpidioceae, Erysiphaceae, Laboulbeniaceae, etc., are represented by single genus and species. Great species diversity could be observed in the genera *Cereospora* (49), *Polyporus* (33) and *Aspergillus* (28) of families Dematiaceae, Polyporaceae and Moniliaceae respectively. Highest number of species (240) is known from Darjiling district followed by Kolkata (190). District-wise distribution of fungi in West Bengal is shown in fig. 10.

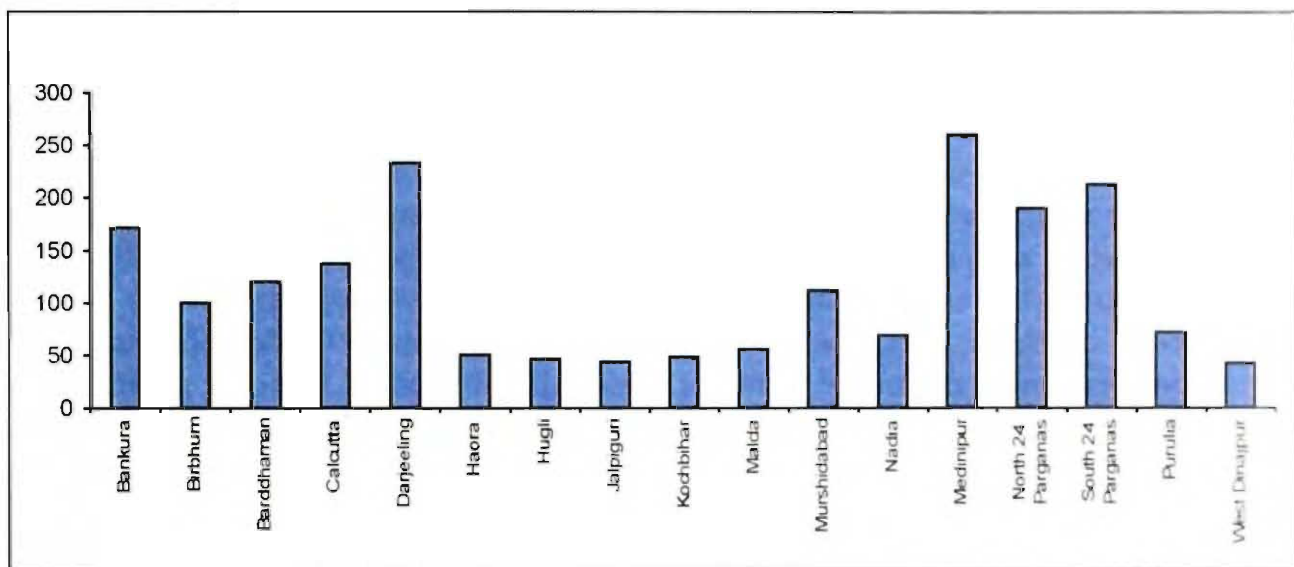


Fig. 9 : Districtwise distribution of algae in West Bengal.

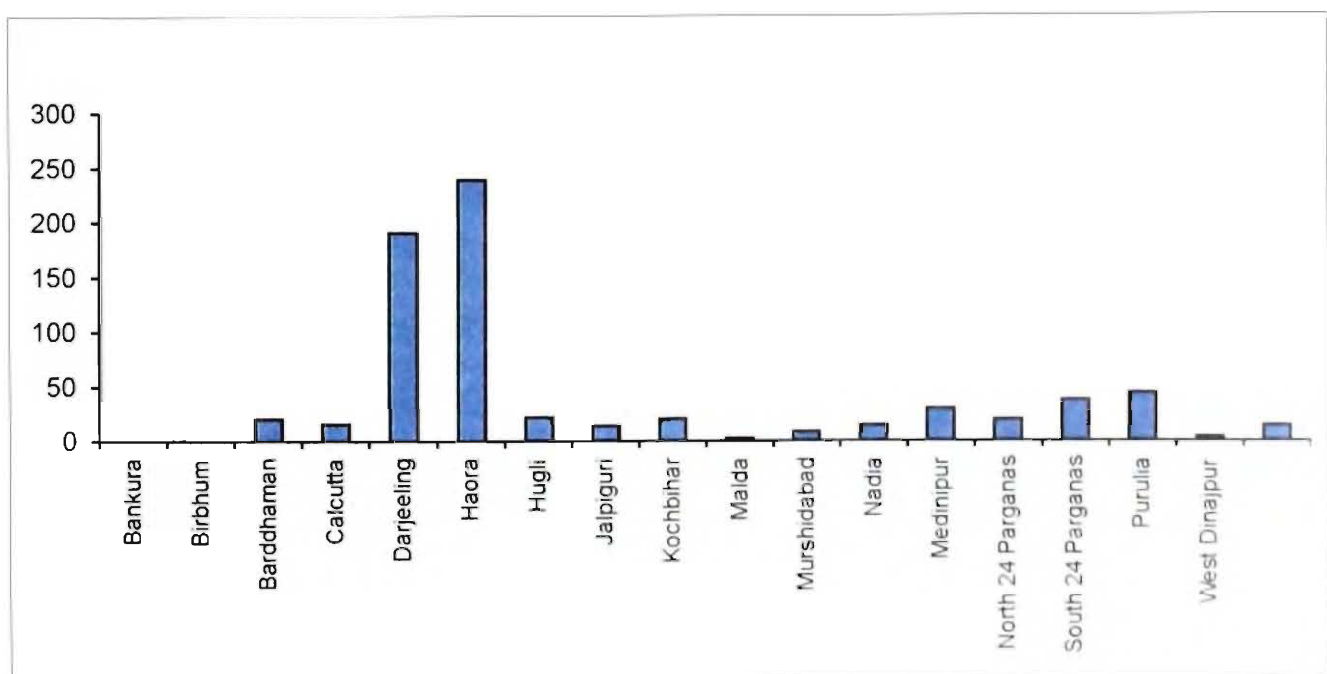


Fig. 10 : Districtwise distribution of fungi in West Bengal.

II. 2.C. *Lichens* : Lichens represent a symbiotic association between two different group of plants, viz., Fungi and Algae. From India 2051 species under 248 genera have been recorded, out of which nearly 600 species spreading over more than 93 genera and 39 families are known from West Bengal. Family Permelaceae contains the highest number of genera (11), while the genus *Opergrapha* of the family Opergraphaceae holds the highest number of species (11). Maximum number of species is known from South 24 Parganas (169) followed by Darjiling (166).

II.3. *Bryophyta* : Comprise a small group of terrestrial plants containing liverworts and mosses; growing mostly in moist situations. Representatives of all the three classes, viz., Hepaticae, Anthocerotae and Musci are found in the country as well as in the state. A total of nearly 2850 species under 490 genera have been reported from the country, and about 19.29 percent of them, i.e. 550 species belonging over 33 genera are known from the state.

II.4. *Pteridophyta* : Include plants like ferns, horse tails, club-mosses and their allies. About 1200 species under 204 genera are known from the country, and nearly 37.5 percent of them, i.e. 450 species have been recorded from West Bengal.

II.5. *Gymnosperms* : Regarded as an intermediate group between Pteridophytes and Angiosperms. There are about 64 species under more than 20 genera and 8 families in India. West Bengal shares 21 species spreading over 17 genera and three families. Except for few genera like *Pinus*, *Cycas*, etc., others are represented by single species in the state. Many of these species are usually cultivated in garden as ornamental plants. However, very few species occur naturally in plains and almost all the species are recorded from Darjiling district.

II.6. *Angiosperms* : These are 'close-seeded', very complex seed-bearing plants. Huge diversity could be marked in this group and all

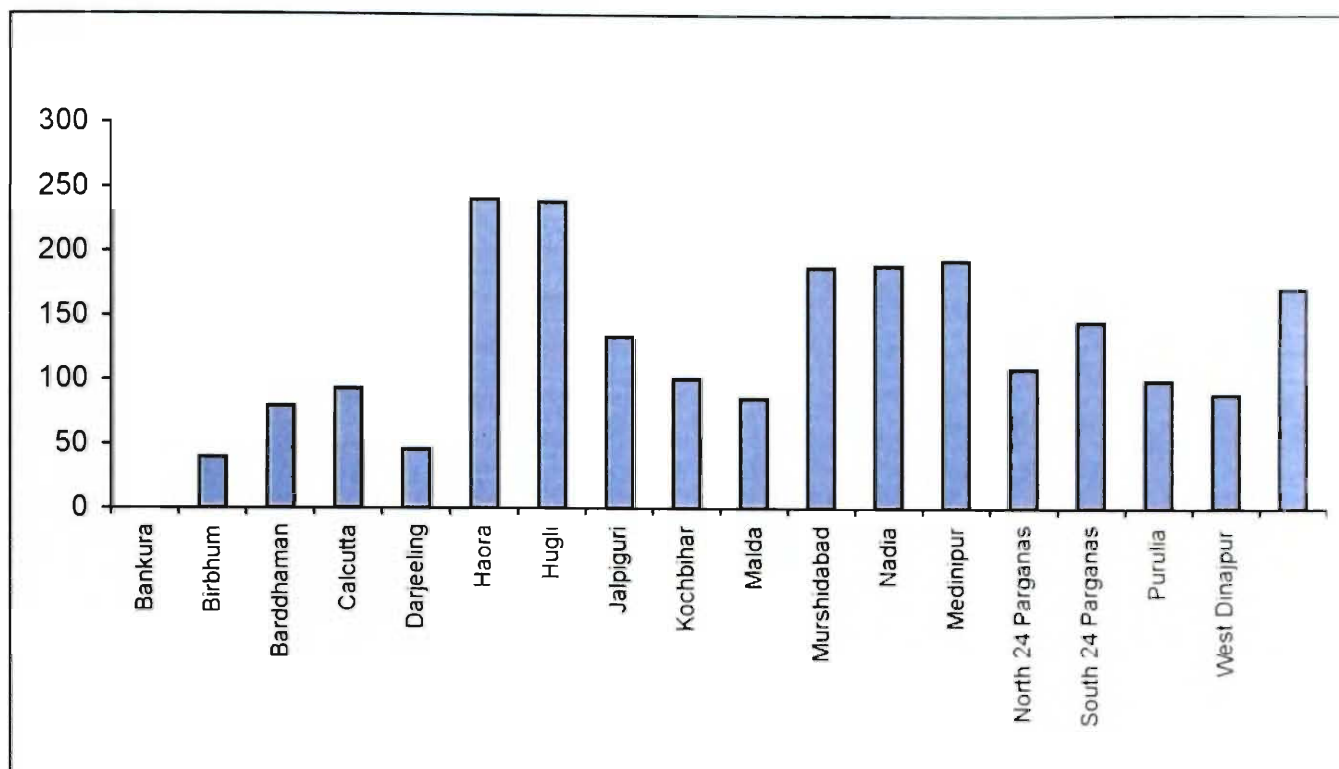
the districts of the state are supporting a large number of species. Many of them are being cultivated since the dawn of civilization and became a part of our Agriculture system.

II.6.A. *Monocotyledons* : Contain only one cotyledon in their embryos. Nearly 5000 species under 702 genera and 44 families have been recorded from India. From West Bengal only about 500 species i.e. nearly 10 percent of country's total are known. These are distributed over about 250 genera and 35 families. Great generic diversity is exhibited by the families Gramineae and Orchidaceae containing 76 and 39 genera respectively. Genus *Cyperus* of the family Cyperaceae holds the highest number (36) of species. Monocotyledons are well distributed through out the state but best represented in Darjiling district with over 250 species. As many as 240 species have also been recorded from Haora district, but great majority of them are found in the Indian Botanic Garden, Shibpur. District-wise distribution of monocot plants in West Bengal is shown in fig. 11.

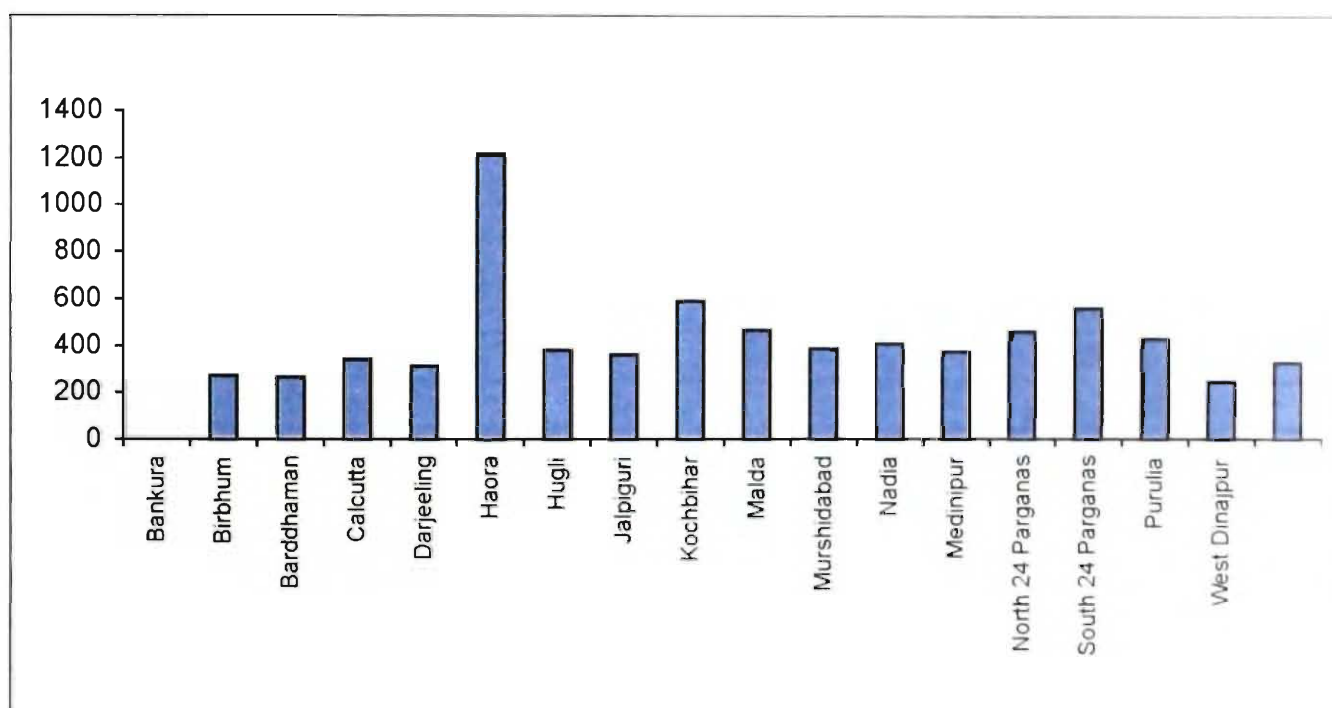
II.6.B. *Dicotyledons* : These plants have two cotyledons in their embryos. India supports great diversity of dicotyledonous plants having nearly 12000 species under nearly 2282 genera and 203 families. In West Bengal there are about 3080 species distributed in over 1000 genera and 170 families. Family Leguminosae contains as many as 76 genera, followed by family Asteraceae with 71 genera. Family Balsaminaceae is represented in the state with only two genera, viz., *Impaticus* and *Hydrocera*, but the former exhibits greatest species diversity (34) among the different dicotyledonous genera of the state. Darjiling harbours the highest number of species (ca. 1214) followed by Jalpaiguri (ca.591). District-wise distribution of dicot plants in West Bengal is shown in fig. 12.

## II. Faunal Diversity :

The state of West Bengal is adorned with remarkable richness of faunal species mainly due to diverse ecosystems as well as flow of



**Fig. 11 :** Districtwise distribution of monocot in West Bengal.



**Fig. 12 :** Districtwise distribution of dicot in West Bengal.

palaeartic, Indo-Malayan and Afro-tropical elements. The known faunal diversity of the state consists of at least 11,042 species out of 91,771 species present in our country and 12,39,166 in the world. Species diversity in faunal groups of West Bengal as compared to India and world has been provided in Table 16. It appears that the state is represented by 12.03 percent of our country's fauna and 0.89 percent

of the world's fauna. The lists of major animal species of West Bengal are appended in Part III of this report. The number of family, genus and species of faunal groups in the state, distribution of animal species in the districts and distribution of chordate species in districts are shown in Table 17, 18 and 19 respectively. The diversity of some major faunal groups are discussed below.

**Table-16** : Faunal diversity of West Bengal compared to world and India (No. of species).

Sl. No.	Taxonomic Group	No. of Species		
		World	India	West Bengal
1.	<b>PROTISTA (Protozoa)</b>	<b>31250</b>	<b>2577</b>	<b>1136</b>
2.	<b>ANIMALIA</b>	<b>1207916</b>	<b>90240</b>	<b>9906</b>
	Mesozoa	71	10	-
3.	Porifera	4562	500	16
4.	Cnidaria	9916	956	23
5.	Ctenophora	100	12	2
6.	Platyhelminthes	17504	1626	248
7.	Nemertinea	600	-	-
7.	Rotifera	2500	330	147
8.	Gastrotricha	3000	100	24
9.	Kinorhyncha	100	10	5
10.	Nematoda	30022	2872	306
12.	Nematophora	250	-	-
11.	Acanthocephala	800	229	15
12.	Sipuncula	145	35	3
13.	Mollusca	66535	5152	274
14.	Echiura	127	43	3
15.	Annelida	12700	841	194
16.	Onychophora	100	1	-
	<b>Arthropoda</b>	<b>998920</b>	<b>70293</b>	<b>6785</b>
17.	Crustacea	35536	2941	251
	Insecta	867381	61238	5407
	Arachnida	73440	5829	1094
46.	Araneae (Spider)	30000	1443	409
47.	Scorpiones	1400	104	14
48.	Acari	40000+	2270	671
49.	Pycnogonida	600	17	-
51.	Paupoda	360	-	-
50.	Chilopoda	3000	100	9
51.	Diplopoda	7500	162	22
52.	Symphyla	120	4	-
53.	Merostomata (Xyphosura)	4	2	2
54.	Phoronida	11	3	1
55.	Bryozoa (Ectoprocta)	4000	200	9
56.	Entoprocta	60	10	-
57.	Brachiopoda	300	3	1
	Pogonophora	80	-	-
	Priapulida	8	-	-

**Table-16 : Cont'd.**

Sl. No.	Taxonomic Group	No. of Species		
		World	India	West Bengal
	Pentastomida	70	-	-
58.	Chaetognatha	111	30	-
59.	Tardigrada	514	30	-
60.	Echinodermata	6223	765	22
61.	Hemichordata	120	12	1
	<b>Chordata</b>	<b>48467</b>	<b>5131</b>	<b>1827</b>
62.	Protochordata	2106	119	-
63.	Pisces	21727	2634	610
64.	Amphibia	5162	289	39
65.	Reptilia	5817	460	148
66.	Aves	9026	1232	846
67.	Mammalia	4629	397	188
<b>Grand Total (Protista + Animalia)</b>		<b>1239166</b>	<b>91771</b>	<b>11042</b>

Source : National Biodiversity Action Plan, MoEF, Govt. of India, 2008 & Animal Discovery-2010, Zoological Survey of India.

**Table-17 : Number of family, genus and species under different faunal groups in West Bengal.**

Sl. No.	Taxonomic Groups	Family	Genus	Species
1.	Protista : Protozoa (Freeliving Protozoa)	80	131	267
2.	Protista : Protozoa (Symbiotic Protozoa)	8	23	126
3.	Protista : Protozoa (Parasitic Protozoa)	67	144	743
4.	Porifera	1	9	16
5.	Cnidaria	16	20	23
6.	Ctenophora	2	2	2
7.	Platyhelminthes : Cestoda	17	43	93
8.	Trematoda (Vertebrate excluding fishes)	30	68	97
9.	Digenetic Trematodes of Fishes	21	35	58
10.	Rotifera	18	30	147
11.	Gastrotricha	8	15	24
12.	Kinorhyncha	3	3	5
13.	Nematode Parasites of Vertebrate	38	113	236
14.	Plant Parasitic Nematodes	10	25	70
15.	Acanthocephala	6	8	15
16.	Sipuncula	1	3	3
17.	Freshwater & Land Mollusca	35	70	180

Table-17 : Cont'd.

Sl. No.	Taxonomic Groups	Family	Genus	Species
18.	Estuarine & Marine Mollusca	42	65	94
19.	Echiura	1	1	3
20.	Annelida	40	93	194
21.	Crustacea	45	135	251
22.	Insecta : Thysanura	2	7	9
23.	Insecta : Collembola	2	10	15
24.	Insecta : Diplura	1	1	1
25.	Insecta : Odonata	15	93	180
26.	Insecta : Plecoptera	4	10	21
27.	Insecta : Embioptera	1	2	8
28.	Insecta : Orthoptera	12	126	210
29.	Insecta : Dermaptera	7	36	79
30.	Insecta : Ephemeroptera	5	10	17
31.	Insecta : Mantodea	7	24	35
32.	Insecta : Phasmida	4	15	28
33.	Insecta : Dictyoptera	8	17	23
34.	Insecta : Isoptera	4	23	52
35.	Insecta : Psocoptera	15	24	39
36.	Insecta : Hemiptera	44	505	966
37.	Insecta : Anoplura	6	7	20
38.	Insecta : Thysonoptera	4	75	124
39.	Insecta : Neuroptera	12	49	73
40.	Insecta : Mecoptera	2	2	3
41.	Insecta : Coleoptera	25	524	1570
42.	Insecta : Siphonoptera	3	8	13
43.	Insecta : Strepsiptera	2	7	14
44.	Insecta : Diptera	21	143	413
45.	Insecta : Lepidoptera	33	532	1020
46.	Insecta : Trichoptera	10	26	44
47.	Insecta : Hymenoptera	12	180	430
48.	Palaeotracha-Xiphisura	1	2	2
49.	Arachnida : Arannene (Spider)	37	169	409
50.	Arachnida : Scorpines	4	8	14
51.	Acari : Ticks (Metogtigmata)	1	9	32
52.	Acari : Mite : Astigmata	8	19	33
53.	Acari : Mite : Prostigmata	29	121	258
54.	Acari : Mite : Cryptostigmata	61	142	282
55.	Acari : Mite : Mesostigmata	7	15	66
56.	Diplopoda	5	9	22





Table-18 : Cont'd.

Taxonomic Groups	Districts of West Bengal								
	Bankura	Birbhum	Bardhaman	Darjiling	Haora	Hugli	Jalpaiguri	Koch Bihar	Maldah
Annelida	25	12	23	54	29	17	25	18	16
Crustacea	04	32	06	11	48	33	02	04	04
Insecta	293	203	254	3062	248	207	951	128	314
Xiphosura	-	-	-	-	-	-	-	-	-
Araneae	04	14	23	103	20	31	208	14	20
Scorpion	-	-	02	02	01	-	-	-	-
Acari	41	88	43	228	32	60	116	26	44
Diplopoda	-	-	-	18	01	01	-	-	-
Chilopoda	01	01	02	06	01	01	01	01	01
Phoronida	-	-	-	-	-	-	-	-	-
Brachiopoda	-	-	-	-	-	-	-	-	-
Freshwater Bryozoa	04	03	03	01	03	03	02	01	04
Echinodermata	-	-	-	-	-	-	-	-	-
Hemichordata	-	-	-	-	-	-	-	-	-
Chordata	115	77	52	584	114	89	461	77	83

Table-18 : Cont'd.

Taxonomic Groups	Districts of West Bengal							
	Murshidabad	Medinipur	Nadia	North 24 Pgs.	South 24 Pgs.	Purulia	Dinajpur	Kolkata
Protozoa (free living)	13	20	31	48	58	17	28	128
Protozoa (symbiotic)	07	03	-	03	17	-	-	107
Protozoa (parasitic)	48	56	162	109	118	38	31	258
Porifera	-	03	01	04	02	01	01	05
Cnidaria	-	13	-	-	15	01	-	01
Ctenophora	-	02	-	-	-	-	-	-
Cestoda	18	11	06	13	14	08	05	58
Trematoda (excluding fish)	01	25	02	22	24	17	05	59
Trematode (fish)	-	30	-	-	26	-	-	10

**Table-18 : Cont'd.**

Taxonomic Groups	Districts of West Bengal							
	Murshidabad	Medinipur	Nadia	North 24 Pgs.	South 24 Pgs.	Purulia	Dinajpur	Kolkata
Rotifera	-	28	19	43	102	-	-	58
Gastrotricha	-	14	-	04	12	-	-	-
Kinorhyncha	-	02	-	02	02	-	-	-
Nematode (vertebrate)	12	04	-	19	18	02	05	174
Nematode (plant)	09	05	05	11	11	-	04	01
Acanthocephala	-	-	-	01	01	-	-	13
Sipuncula	-	02	-	-	01	-	-	-
Fresh water and land Mollusca	09	18	24	33	41	19	25	67
Esturine and Marine Mollusca	-	51	-	03	73	01	-	10
Echiura	-	03	-	-	03	-	-	-
Annelida	16	39	18	11	80	18	18	45
Crustacea	04	35	05	19	177	01	04	35
Insecta	289	275	216	286	352	285	79	1189
Xiphosura	-	02	-	-	02	-	-	-
Araneae	16	24	29	80	73	05	11	98
Scorpion	-	03	-	02	01	01	-	08
Acari	44	101	74	55	118	29	21	96
Diplopoda	-	-	-	-	-	-	-	-
Chilopoda	01	01	01	01	01	01	01	02
Phoronida	-	01	-	-	-	-	-	-
Brachiopoda	-	01	-	-	-	-	-	-
Freshwater Bryozoa	02	06	03	-	-	03	02	04
Echinodermata	-	14	-	-	17	-	-	-
Hemichordata	-	-	-	-	01	-	-	-
Chordata	74	154	146	257	364	99	48	129

**Table-19** : Distribution of species of Chordata in different districts of West Bengal.

Districts of West Bengal	Chordate Groups			
	Amphibia	Reptilia	Aves	Mammalia
Bankura	09	14	65	27
Birbhum	09	10	30	28
Bardhaman	04	08	130	30
Darjiling	24	73	365	122
Haora	06	24	58	26
Hugli	06	05	45	33
Jalpaiguri	12	42	323	84
Koch Bihar	10	03	36	28
Maldah	07	05	49	22
Murshidabad	08	08	34	24
Medinipur	11	19	79	45
Nadia	07	12	99	28
North 24 Pgs.	10	21	192	34
South 24 Pgs.	09	56	260	39
Puruliya	08	07	48	36
Dinajpur	08	04	15	21
Kolkata	01	34	48	46

1.1. *Protozoa* : Protozoa are single-celled eukaryotic organisms, which are, with some exceptions visible only with the aid of a microscope. Found in each and every habitat of all terrestrial and aquatic ecosystems as free-living, parasitic or symbiotic. A total of 1136 species belonging to 53 orders, 155 families and 298 genera have so far been recorded from the state. Free living and parasitic forms are represented by 131 and 144 genera respectively, while symbiotic species are distributed over 23 genera. Greatest species diversity is exhibited by the parasitic forms (743), followed by free-living (267) and symbiotic (126) (Text. fig. 13). However, the free-living forms are distributed over highest number of orders (30) and families (74).

Most of the families like Noctiluidae, Cryptorconadidae, Chromulinidae, Bionyxidae, Monocercomonadidae, Bedonidae and Adeleidae are represented by single genera and single species, while some families exhibit great number of genera and species such as Actinocephalidae (16 gen., 40 spp.), Ophryoscolecidae (9 gen., 94 spp.), Eimeriidae (9 gen., 124 spp.), Diffugiidae (6 gen., 36 spp.), etc. Among the genera highest species diversity is represented in the genus *Eimeria* (71), followed by *Trypanosoma* (44). Highest

number of species recorded from Kolkata (493).

1.2. *Porifera* : Commonly known as 'Sponges', includes a group of sedentary, diploblastic, filter feeding, porous bodied animals; mostly marine, but few occur in freshwater. From the state only the freshwater sponges belonging to the family Spongillidae have so far been recorded. A total of 16 species distributed over 9 genera are known. Genus *Eunapius* contains the maximum number (4) of species. Highest number of species recorded from Kolkata (5), while some of the districts like Darjiling and Murshidabad so far have no representatives.

1.3. *Cnidaria* : Body wall two layered-ectoderm and endoderm with an intervening acellular to rather cellular jelly-like mesoglea. Some ectodermal cells modified into specialized element called cnidoblasts or nematocysts. Predominantly marine. A total of 23 species belonging to 20 genera, 16 families and 7 orders are recorded from coastal waters of West Bengal. Except the family Haliactiidae which is represented by 4 genera, except the family Edwardsiidae and Catostylidae which contain 2 genera each, rest 13 contain one genus each in the state. All the species have been recorded from maritime districts *viz.*, Medinipur and South 24 Parganas.

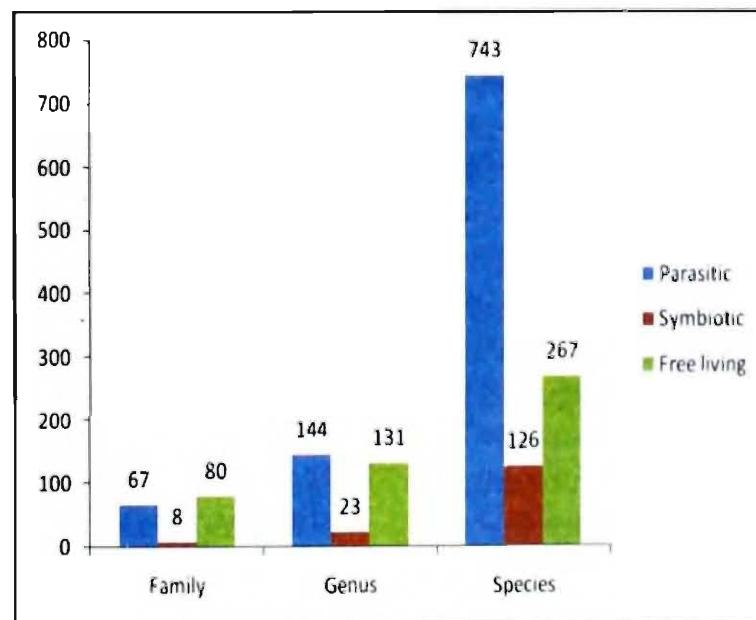


Fig. 13 : Protozoa diversity in West Bengal.

1.4. *Ctenophora* : Distinguished from Cnidarians by having eight meridional rows of ciliary plates or combplates. So far only two species belonging to two genera and two families are known from the state. Both the species are recorded only from the coastal waters of Medinipur and South 24 Parganas.

1.5. *Platyhelminthes* : Body dorso-ventrally flattened having an excretory or osmoregulatory system composed of Flame cells. From pathogenic point of view this is one of the most important group of animals. A total of 248 species have been reported from the state, i.e. about 15.25 percent of species known from India. Out of four classes, two viz., Cestoda and Trematoda are fairly well represented. Former contains 93 species under 43 genera, while latter is represented by 155 species under 103 genera. Maximum diversity of species (127) is seen in Kolkata.

1.6. *Nematoda* : Nematodes or round worms occur in every possible habitats as free-living, predaceous or parasitic in plants and animals. Economically very important both in negative and positive aspects. About 306 species representing 10.65 percent of species known from India is found in the state. Out of 306 species, 236 belonging to 113 genera have been recorded from vertebrate hosts, while 70 species under 25 genera from plants. Though highest number of species (175) have been recorded from different vertebrate hosts in Kolkata, but only a single species of plant nematode is known from the district. Plant nematodes are best represented (18) in Darjiling district.

1.7. *Rotifera* : Pseudocoelomate microorganisms with disc-like anterior end. Encountered in a wide range of aquatic and semiaquatic environs particularly of freshwater. Rotifera contribute significantly to overall biological productivity in fresh water by rapid turn over rate. So far, 147 species belonging to 30 genera are known from West Bengal. i.e. about 44.54 percent of the species

recorded from the country. Among the Indian states, West Bengal apparently harbours the highest number of species. Water bodies infested with different assemblages of aquatic macrophytes and ricefields exhibit richest species composition. Overall diversity of 72 species was recorded from these habitats of West Bengal (Sharma 1991). Highest number of species (102) is known from South 24 Parganas, followed by Kolkata (58).

1.8. *Gastrotricha* : Minute, unsegmented and free-living worms occurring in marine, brackish and freshwater habitats. Play an important role in trophic cycle by contributing remarkably to the regeneration of nutrients. Out of nine families in the country, eight are represented in the state by 15 genera and 24 species, i.e. 24 percent of the total species of India. Family Chaetonotidae contains the highest number of genera (5) and species (11). Further, it is the only family whose members are represented both in marine and freshwater, while others are confined in the marine environ. Though most of the genera are represented in the state by single species, but the genera *Acanthodasys* and *Polymerurus* are truly monotypic. Maximum number of species diversity (7) is exhibited by the genus *Chaetonotus*. Medinipur and South 24 Parganas contain 14 and 12 species respectively, while four species is known from Darjiling.

1.9. *Kinorhyncha* : Microscopic, spiny, segmented worm like creatures living exclusively in marine and estuarine sediments. Five species, i.e. 50 percent of Indian species, under three families and three genera are met in the state. Of the five species three belong to the genus *Echinoderes*, while the other two genera, viz., *Sphenoderes* and *Pychophyes* contain one species each. Species of Kinnorhyncha have been recorded from Medinipur, South and North 24 Parganas districts.

1.10. *Sipuncula* : Comprised of unsegmented spiny, coelomate creatures inhabiting coral,

rocky, or muddy habitats of marine and estuarine environments. Out of six families of the country, only Sipunculidae is found in the state and rerepresented by three genera each with single species. Known from Medinipur and South 24 Parganas.

1.11. *Echiura* : Unsegmented, coelomate worms inhabiting intertidal to the abyssal region. Out of four families of Indian waters, only one, *viz.*, Thalamematidae with 3 species under one genus is recorded from Kolkata and South 24 Parganas.

1.12. *Phoronida* : Includes slender, worm like, free-living, solitary and sedentary creatures housed in a self secreted tube. Of the two genera of the world, only the genus *Phoronis* is found in India with three species. West Bengal contains only one species, *viz.*, *Phoronis bhadurii*. The species is so far recorded only from sandy beach of Digha coast in Medinipur.

1.13. *Bryozoa* : Sessile, lophophorate, colonial, coelomate animals with recurved digestive tract, living in marine, estuarine and freshwater. Only the freshwater Bryozoans belonging to three families, five genera and nine species have been recorded from West Bengal. Family Plumatellidae is represented by three genera, while other two contain one genus each. Highest species diversity is exhibited by the genus *Plumatella* having four species. Though only 9 species have been recorded, but it is represented in the freshwater environs of all the districts, while maximum number of species (6) is known from Medinipur.

1.14. *Annelida* : True worms with a linear series of similar body segments. Marked externally by intersegmented grooves. Distributed over all the ecosystems. A total of 194 species, i.e. 23.09 percent of the Indian species are known to occur in the state and distributed over three classes, *viz.*, Polychaeta, Oligochaeta and Hirudinea. Many of the families like Lumbricidae, Naididae, Megascolecidae exhibit great generic diversity holding 6,7 and 7 genera respectively. Rich

species diversity could be observed in the genus *Perionyx* (18 spp.). Quite a number of species like *Plutillus ghumensis*, *Perionyx sikkimensis*, *Perionyx himalayanus* and *P. jorpokriensis* are restricted within the territory of West Bengal. Highest number of species is known from South 24 Parganas (76), followed by Darjiling (53).

1.15. *Arthropoda* : One of the largest and most successful group of animals in existence today is the Arthropod group. Characterised by segmented bodies, paired segmented (or jointed appendages), and usually hard exoskeleton. Occur in land, air and water; include animals commonly known as lobsters, crabs, shrimps, centipeds, spiders, insects, etc. Diversity in some major classes is discussed below.

1.15.A. *Crustacea* : Head bearing two pairs of antennae and nearly every body segment with one pair of legs. Majority are aquatic living in marine, brackish or freshwater, but land forms are also found. Represented in the state by 5 orders, 45 families, 135 genera and 251 species, the last one being over 8.53 percent of that in India. Maximum number of species (177) recorded from South 24 Parganas., followed by Haora (48) while it is poorly represented in Puruliya (1).

1.15.B. *Insecta* : Largest group among animals and plants. Body divided into three segments, pair of antennae at the top of head, three pairs of segmented legs. As per current estimate there are 61238 species of insects in India spreading over 619 families and 25-30 orders (number varying with different authorities). Distribution of insect species in different districts of West Bengal is shown in Table 20 and Fig.14. Species diversity in some major insect orders of the state is considered below :

*Thysanura* : Popularly known as 'Silver fish', soft bodied, wingless, scaled insects. Found on the forest floor; under bark, rock; nests of termites and ants; decomposing litter; books and other house hold goods. Out of five Indian families, two, *viz.*, Lepismatidae and Ateluridae

**Table-20** : Distribution of species of insects in the districts of West Bengal.

Taxonomic Groups	Districts of West Bengal								
	Bankura	Birbhum	Bardhaman	Darjiling	Haora	Hugli	Jalpaiguri	Koch Bihar	Maldah
Thysanura	04	01	02	03	-	-	-	-	-
Collembola	-	-	-	03	02	-	-	-	-
Diplura	-	-	-	-	-	-	-	-	-
Odonata	26	19	11	96	28	09	53	11	21
Plecoptera	-	-	-	21	-	-	-	-	-
Embioptera	Locality not known								
Orthoptera	34	31	29	137	24	12	66	29	35
Dermoptera	05	03	-	67	02	01	06	-	04
Ephemeroptera	05	03	03	07	-	-	15	-	05
Mantida	01	02	02	15	01	02	02	01	02
Phasmida	-	-	-	17	-	-	02	-	-
Dictyoptera	09	06	03	17	03	01	09	02	09
Isoptera	04	03	04	20	01	04	10	06	02
Psocoptera	01	-	01	17	04	03	02	-	-
Hemiptera	45	17	24	474	35	22	178	23	32
Anoplura	-	-	04	-	-	-	-	-	-
Thysanoptera	17	23	-	40	27	04	02	22	-
Neuroptera	04	01	08	39	02	02	01	-	01
Mecoptera	Locality not known								
Coleoptera	56	38	34	1100	53	82	335	26	78
Siphonoptera	Locality not known								
Strepsiptera	-	-	12	-	-	01	-	-	04
Diptera	25	11	78	187	15	21	20	02	27
Lepidoptera	48	40	26	518	32	34	213	06	92
Trichoptera	02	02	01	34	-	-	01	-	01
Hymenoptera	07	03	12	250	19	09	36	-	01



Table-20 : Cont'd.

Taxonomic Groups	Districts of West Bengal							
	Murshidabad	Medinipur	Nadia	North 24 Pgs.	South 24 Pgs.	Purulia	Dinajpur	Kolkata
Thysanura	03	1	-	02	01	03	-	06
Collembola	-	-	04	02	03	-	-	11
Diplura	-	-	-	-	-	01	-	-
Odonata	14	26	02	07	26	08	17	41
Plecoptera	-	-	-	-	-	-	-	-
Embioptera	Locality not known							
Orthoptera	26	39	27	08	30	31	11	34
Dermoptera	-	04	01	01	03	04	-	08
Ephemeroptera	01	04	03	08	07	04	03	08
Mantida	02	05	06	03	06	02	01	06
Phasmida	-	-	-	-	01	-	-	08
Dictyoptera	04	03	03	02	01	-	08	07
Isoptera	07	15	10	08	08	01	-	15
Psocoptera	-	01	-	04	01	-	-	08
Hemiptera	34	40	38	46	56	26	16	205
Anoplura	-	04	-	-	02	07	-	02
Thysanoptera	19	04	06	02	32	08	02	33
Neuroptera	-	04	05	10	10	-	-	11
Mecoptera	Locality not known							
Coleoptera	110	68	53	64	95	28	12	355
Siphonoptera	Locality not known							
Strepsiptera	-	-	02	01	-	-	-	01
Diptera	15	15	24	36	16	16	-	55
Lepidoptera	47	35	17	51	35	14	07	314
Trichoptera	01	-	-	-	-	01	01	03
Hymenoptera	06	07	15	31	19	07	01	58

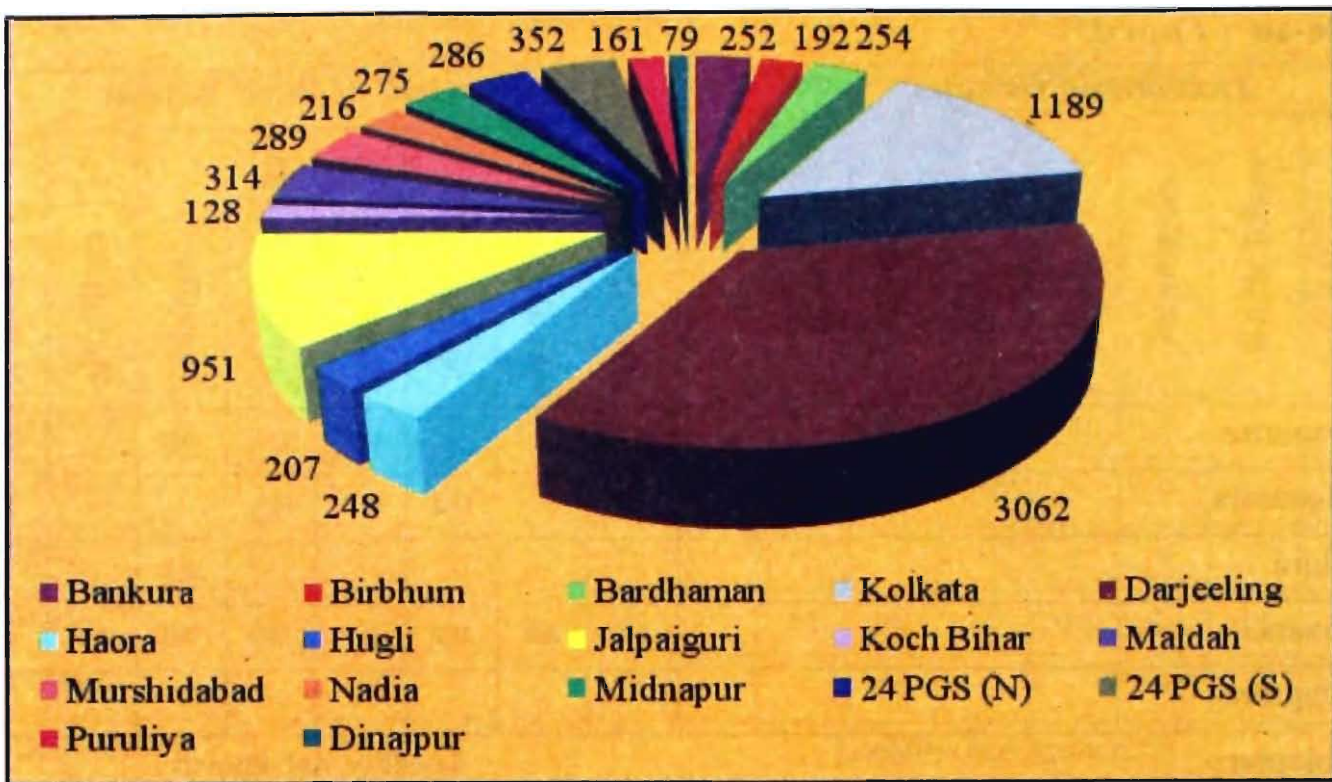


Fig. 14 : Species diversity of insect fauna in different districts of West Bengal.

are known from West Bengal. The former is represented by 7 species under five genera, latter by two species and two genera.

**Collembola** : Wingless, having spring like forked jumping organ underneath the fourth abdominal segment. Found in huge number specially in soil rich with organic matter content. Though as many as 210 species have been recorded from India but only 15 (7.14 percent) species found in West Bengal. All the 15 species belong to two families and 10 genera. Recorded only from 11 districts of the state and highest number of species (10) known from Kolkata.

**Odonata** : Odonata or 'Dragon flies' are amphibiotic, spending major part of life cycle in water and adults are flying. In India, total of 499 species belonging to 17 families are found. West Bengal has the representatives of 15 families with 93 genera and 180 species, i.e., 3.21 percent of the country's fauna. Family Libellulidae has the highest number of genera (32), while the genera *Agriocnemis* and *Pseudagrion* of the family Coenagrionidae contain the highest number of species (7). Maximum species diversity (96) is observed in Darjiling, followed by Jalpaiguri (53).

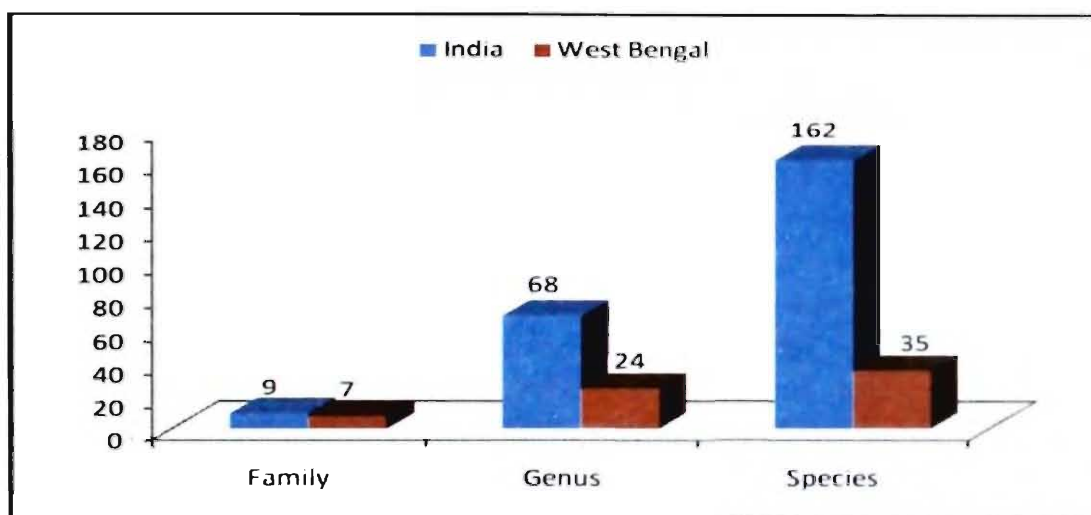
**Plecoptera** : Found in and around high altitude hill streams. Out of 113 Indian species, 21 species i.e. 18.58 percent belonging to 10 genera and 4 families are represented in West Bengal. Families Nemouridae and Perlidae contain four genera each, while the genus *Amphinemoura* of the former family holds the highest number of species (5). All the species are confined to Darjiling district.

**Orthoptera** : Contains grasshoppers, locusts, crickets, etc., in which forewings form more or less thickened tegmina with submarginal costal vein. Found mainly in grasslands, forests, crop fields, sandy tracts and also in snow-clad mountains. One of largest orders of insects, holding over 17250 species in the world and 1750 spp. in India. Nearly 11.88 percent of Indian species, i.e., 210 species spreading over 126 genera and 12 families are met with in the state. Family Acrididae is represented with highest number of genera (46) as well as species (61). However, greatest species diversity (7) is displayed by genus *Bollivaritellix* of the family Tetrigidae and *Pteronemobius* of the family Gryllidae. Darjiling possesses highest number of species (137) followed by Jalpaiguri (66).

***Dermaptera*** : Commonly known as “Earwigs” and distinguished by the presence of a pair of unsegmented, chitinous forceps at hind end of the body. Found mainly near waterbodies, under stones, leaf-litter, decaying books and other similar places. All the 7 families recorded from India are represented in the state. Out of 320 Indian species, 79 species (24.68 percent) under 36 genera are known from the state. Highest generic diversity (8) is exhibited by the family Forficulidae, and the genus *Forficula* of the same family contains highest number of

species (12). Darjiling shows the greatest species diversity (67), while there is no record of this group in many of the districts, obviously due to lack of explorations.

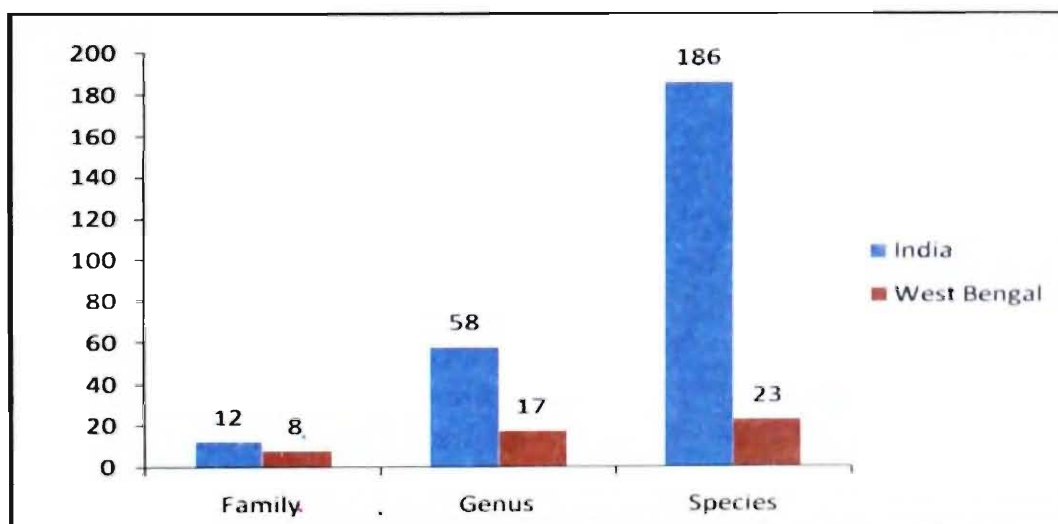
***Mantodea*** : Known as ‘Praying Mantis’ as adults hold their grasping forelegs in ‘Namaste’ posture while waiting for prey. Occur in green vegetable and different plant parts. Out of 8 families, 68 genera and 162 species occurring in India, state has the share of 7 families, 24 genera and 35 species (Text-fig.15). Darjiling contains the maximum number of species (15).



**Fig. 15** : Diversity in Mantodea of West Bengal as compared to India.

***Dictyoptera (Blattariae)*** : Includes ‘Cockroaches, in which head mostly or completely covered above by a large shield-pronotum. Found under stones, leaf litter, drains; domestic dark areas, food corners, etc. In India, 186 species spreading over 58 genera

and 12 families occur, of which 23 species under 17 genera and 8 families are represented in the state (Text-fig. 16). Highest generic diversity (5) as well as species diversity (7) is exhibited in the family Blattidae. Maximum number of species is known from Darjiling (17), followed by Jalpaiguri and Maldah with 9 species each.



**Fig. 16** : Diversity in Dictyoptera of West Bengal as compared to India.



*Isoptera* : Includes 'Termites', recognized by broad and grinding-biting type of mandible. Favoured habitats are logs; mud mounds; under stones; wood-work, etc. In West Bengal, 52 species belonging to 23 genera and 4 families occur as against 253 under 54 genera and 7 families of India (Text-fig.17). Family Termitidae is best represented in the state in

respect of number of genera (15) and species (34), while the family Stylotermitidae is monotypic, containing single genus *Stylotermes*. Highest species diversity (9) is observed in the genus *Odontotermes* of the family Termitidae. These creatures are well represented in the forested tracts of Darjiling as well as urban areas of Kolkata, which support 20 and 15 species respectively.

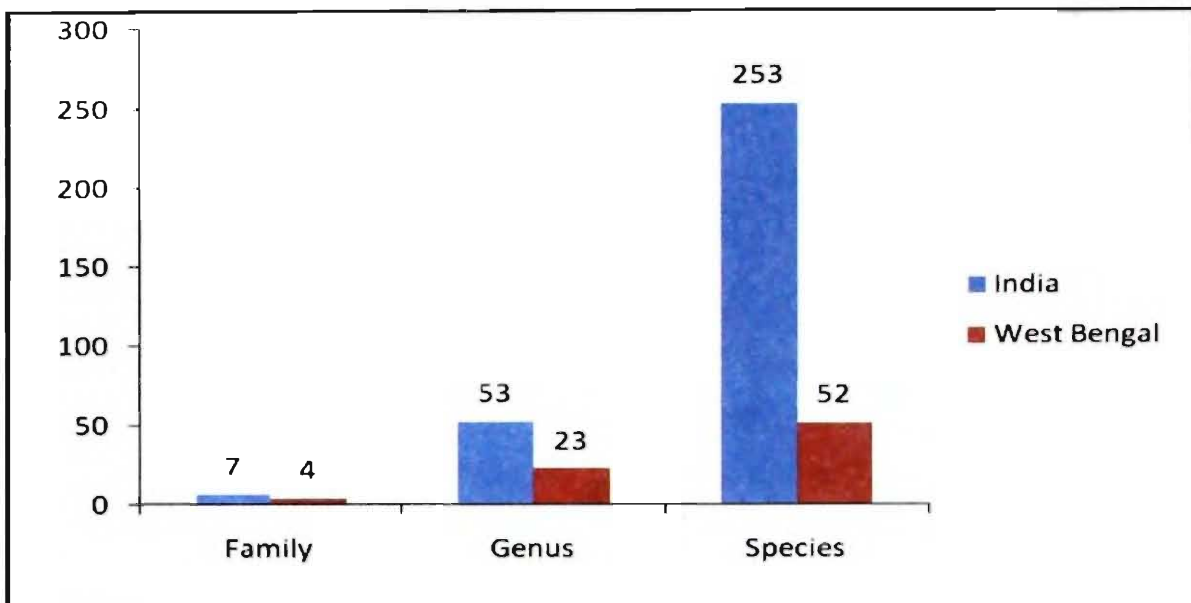


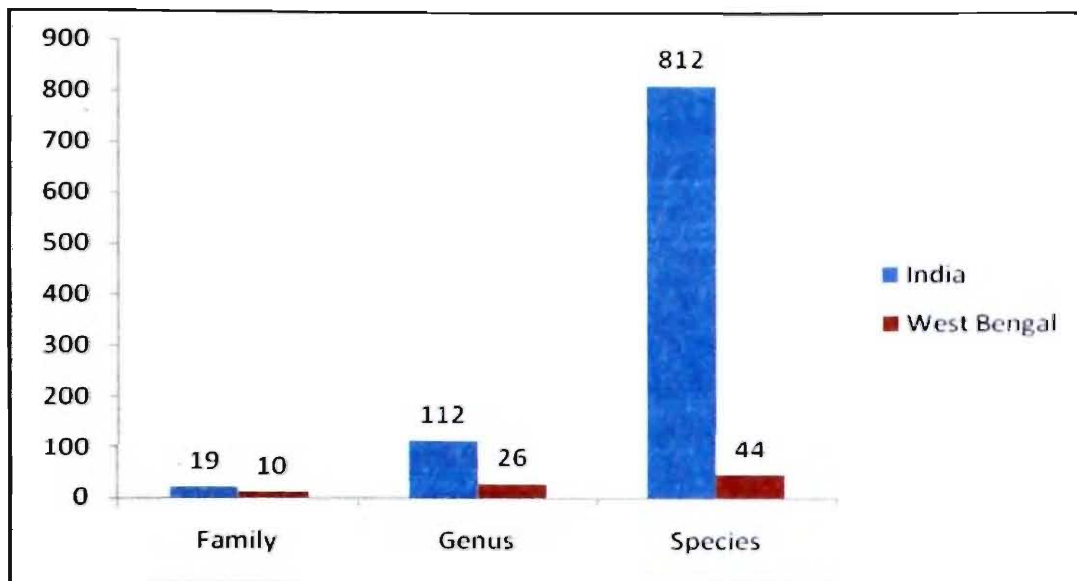
Fig. 17 : Diversity in Isoptera of West Bengal as compared to India.

*Psocoptera* : Psocids or 'Booklice' are small, soft-bodied, subglobular insects found amidst old stalk of papers/books, and among foliage. Out of 16 families occurring in the country, as many as 15 are found in the state harbouring 24 genera and 39 species, i.e., 43.33 percent of the species reported from India. Ten out of 15 families of the state have representative of one genus each, while family Pseudocaeciliidae contains as many as four genera. Genus *Peripsocus* of the family Peripsocidae and genus *Caececilius* of the family Caeciliidae contain five species each. Many of the districts, viz., Birbhum, Murshidabad, Nadia, Dinajpur, Koch-Bihar, Maldah, Puruliya do not have any record of Psocopteran insects, and Darjiling holds the highest number of species (17). Species richness in Darjiling district indicates that absence of these creatures in neighbouring districts is only due to lack of proper taxonomic exploration.

*Hemiptera* : Known as 'Bugs', have piercing and sucking type of mouth parts. Found in

aquatic, semiaquatic and terrestrial habitats. One of the largest exopterygote insect groups, and there are about 6500 species in India distributed over 77 families. From the state, 966 species (14.87 percent of country's total) under 505 genera have been reported. Species of the families Aphididae, Membracidae, Cercopidae, Fulgoridae, Cicadellidae, Belostomatidae, Nepidae, Gerridae, Velidae, etc. are well distributed throughout the state. A good number of species are known from almost all the districts, but Darjiling surpasses all others by holding 474 species followed by Kolkata (205).

*Trichoptera* : Hairy-winged insects, popularly known as 'Caddis flies'. Though as many as 812 species under 112 genera and 19 families have been reported from India, only 44 species (5.41 of country's total) spreading over 26 genera and 10 families (Text-fig.18) are known from the state. Majority of the species (34) are known from Darjiling, while no record



**Fig. 18** : Diversity in Trichoptera of West Bengal as compared to India.

of these insects could be found from Murshidabad, Nadia, Medinipur, North-24 Parganas and others.

**Thysanoptera** : One of the smallest Pterygote insects having fringe-wings; mainly associated with plants. Out of five families occurring in India, four *viz.*, Aeolothripidae, Merothripidae, Thripidae and Phlaeothripidae occur in the state and represented by 124 species (17.89 percent of Indian species) under 75 genera. Highest number of species is found in Darjiling (40).

**Neuroptera** : Recognised by the fine network of veins of generally transparent wings. Adults mainly occupy grasslands, foliage and crop fields. India harbours 335 species belonging to 125 genera and 13 families. Out of 13 families, 12 are represented in the state, harbouring 73 species (22.08 percent of Indian species) belonging to 49 genera. Highest number of species (39) are met in Darjiling district.

**Coleoptera** : Coleopteran insects or beetles represent the largest groups of organism at the order level and are recognized by much thickened, veinless front wings. India holds about 15,500 species and West Bengal shares 1570 species under 524 genera and 25 families. Highest number of species (1100) are recorded from Darjiling.

**Strepsiptera** : These are entomophagus parasitoids, commonly known as 'Stylops'. A

total of 14 species belonging to 7 genera and 2 families have been recorded from the state. Highest species diversity (5) is expressed by the genus *Tridactylophagus* of the family Halictophagidae. There is no record of these insects from many of the districts, while Barddhaman has the highest number of species (12).

**Diptera** : Comprises of mosquitoes, midges, flies; exhibits a great diversity of habits, habitats and species composition. India holds nearly 6093 species under 1075 genera and 87 families of which West Bengal sharing 413 species (6.8 percent of country's total) spreading over 143 genera and 21 families. Maximum species diversity (187) is observed in Darjiling district.

**Lepidoptera** : Scale-winged insects; includes butterflies and moths which mainly occur on green vegetation. About 15000 species under 84 families have been reported from India, of which West Bengal has the representatives of nearly 1020 species (6.80 percent of the total Indian species) distributed under 532 genera and 33 families. In the state, highest generic diversity (110) is exhibited by the family Pyralidae, followed by Sphingidae (72). Genus *Dasychira* of the family Sphingidae, and *Neptis* of the family Nymphalidae contain the highest number of species (14). Greatest number of



species (518) is known from Darjiling, followed by Kolkata (314).

**Hymenoptera :** The Hymenopteran insects include bees, wasps, ants, etc., and occur in diverse habitats, such as, plants, soils, domestic areas and also as parasites of other insects. Of nearly 10000 Indian species, 430 (4.30 percent) species under 180 genera and 12 families have been reported from West Bengal. Darjiling contains the highest number of species (250).

**I.15.C. Xiphosura :** Composed almost entirely of extinct forms and commonly known as 'King Crabs' or 'Horse shoe Crabs'. Occur in marine, estuarine and occasionally in freshwaters. Out of four living known species

of the world, two belonging to two different genera are found in India and both of them have been recorded from Medinipur and South 24 Parganas districts of West Bengal.

**I.15.D. Arachnida :** Scorpions, spiders, ticks, mites, etc., are included under this class and characterized by absence of antennae, and body of two parts, viz., cephalothorax and abdomen. As many as 5818 species of Arachnids belonging to 7 orders are known from India. From the state though nearly 1094 species have been recorded, but majority of them belong to two orders, viz., Araneae and Acari, while other orders are yet to be explored properly. Diversity in some arachnid groups in the state is shown in figs. 19 and 20. Their distribution in the districts is shown in Table 21.

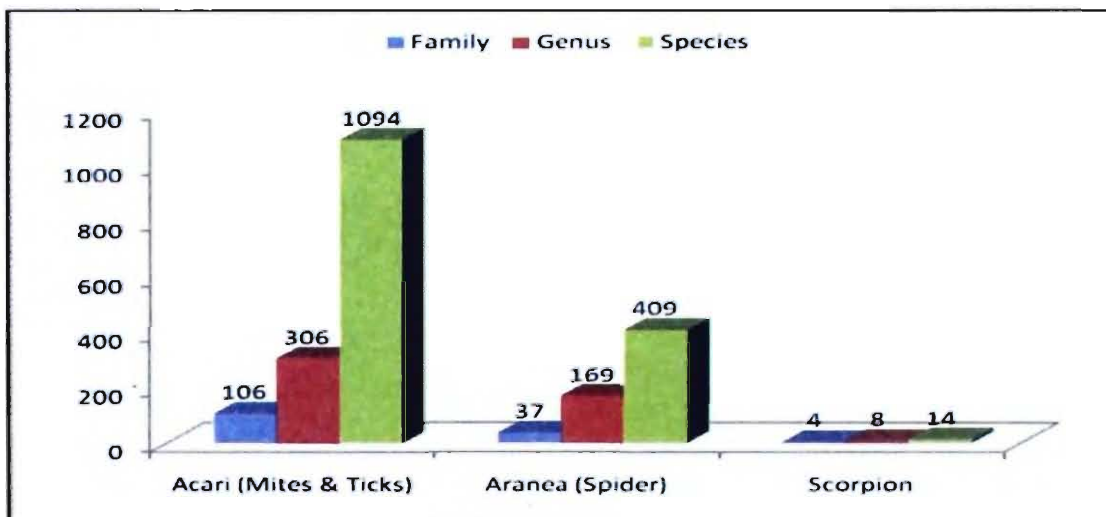


Fig. 19 : Diversity in some Arachnid groups in West Bengal.

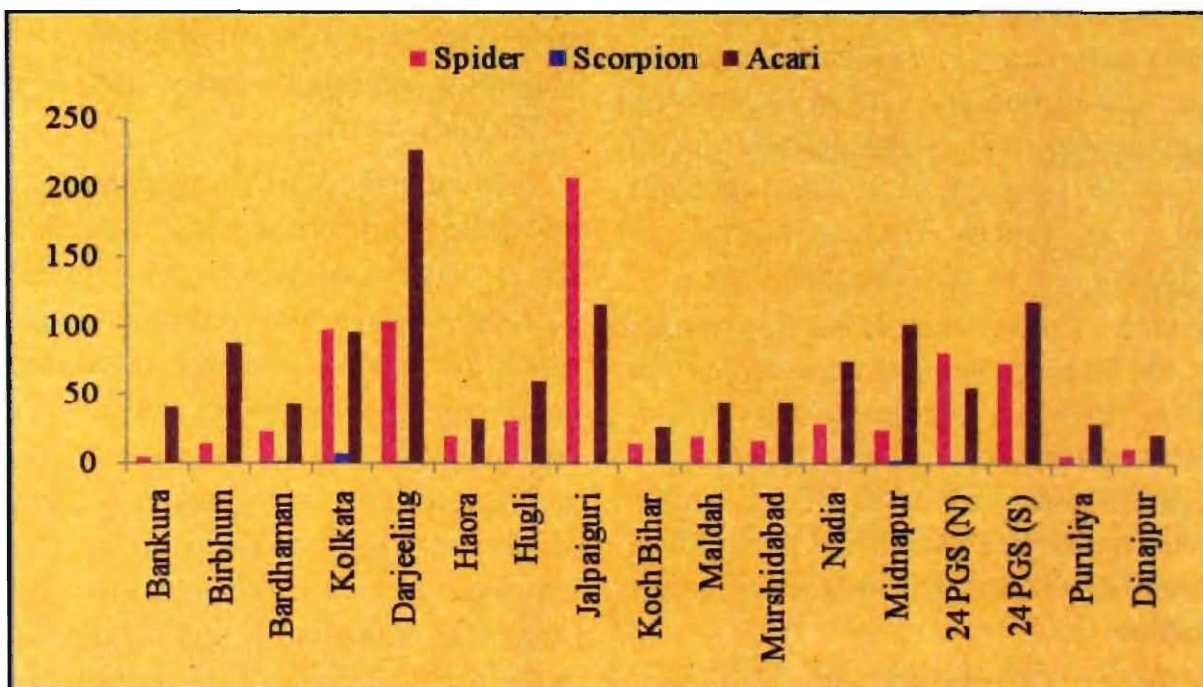


Fig. 20 : Diversity in some Arachnida in different districts of West Bengal.

**Table-21** : Distribution of species of arachnida in the districts of West Bengal.

Districts	Number of Species							Other Arachnida	
	Meta-stigmata	Asti-gmata	Prosti-gmata	Meso-stigmata	Cryp-tostig-mata	Total Acari	Ara-neae	Scorp-iones	
Bankura	3	×	22	9	7	41	4	×	
Birbhum	2	×	9	4	73	88	14	×	
Bardhaman	3	4	13	3	20	43	23	2	
Kolkata	10	28	27	2	29	96	98	8	
Darjiling	17	2	52	39	118	228	103	2	
Haora	3	4	10	4	11	32	20	1	
Hugli	4	14	30	4	8	60	31	×	
Jalpaiguri	15	×	25	16	60	116	208	×	
Koch Bihar	3	1	8	7	7	26	14	×	
Maldah	4	1	19	14	6	44	20	×	
Murshidabad	3	×	14	15	12	44	16	×	
Medinipur	6	6	51	17	21	101	24	3	
Nadia	3	4	42	3	22	74	29	×	
North 24 Pgs.	6	1	12	7	29	55	80	2	
South 24 Pgs.	4	×	52	16	46	118	73	1	
Purulia	5	×	8	7	9	29	5	1	
W. Dinajpur	3	×	5	4	9	21	11	×	



*Araneae* : Spiders are grouped under this order. Out of 46 families, 240 genera and 1035 species of India 37 families, 169 genera and 409 (39.5 percent of Indian species) species are represented in the state. Family Araneidae includes the maximum number of genera (18), while the genus *Oxyopes* under the family Oxyopidae holds the highest number of species (15). District Jalpaiguri exhibits richest species diversity (208), followed by Kolkata (98).

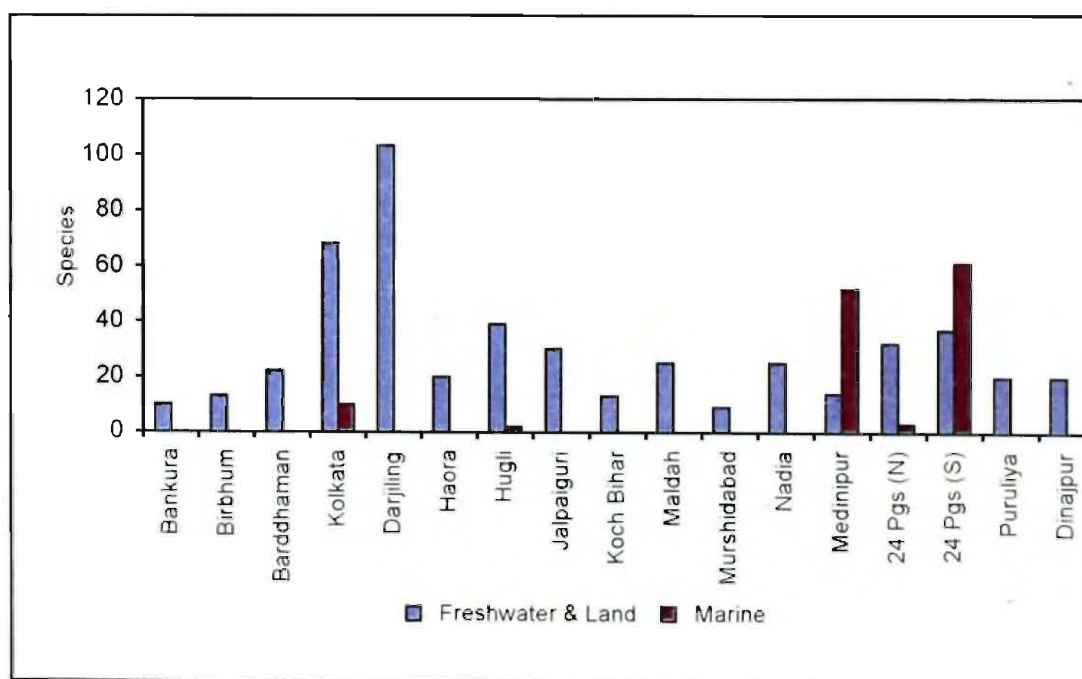
*Acari* : Comprising ticks and mites in which somatic segmentation is inconspicuous or absent. There are about 2186 Indian species spreading over 5 suborders, 207 families and 643 genera. All the suborders are fairly represented in the state and species diversity under each suborder is provided in Table 22.

**Table-22** : Species diversity of different suborders of Acari in West Bengal.

Suborders	No. of Families	No. of Genera	No. of Species
Astigmata	8	19	33
Mesostigmata	7	15	66
Metastigmata	1	9	32
Cryptostigmata	61	142	282
Prostigmata	29	121	258
Total	106	306	671

Suborder Astigmata is best represented in Kolkata having 28 species, while Darjiling holds the maximum number of species for all other suborders.

I.16. *Mollusca* : Soft-bodied animals, but majority of the species covered by one or more hard calcareous shell. Adapted to diverse habitats from deep sea to high hills. Overall species diversity of Indian marine molluscs is much higher than that of the combined freshwater and terrestrial ecosystem. Marine Ecosystem in India contains 3440 species under 521 genera and 247 families as against 1712 species under 193 genera and 48 families of freshwater and terrestrial ecosystems. However, in the context of West Bengal, reverse is true (Text. fig. 21). Freshwater and terrestrial ecosystems support 180 species under 70 genera and 35 families while there are 94 species belonging to 65 genera, 42 families in marine and estuarine ecosystems. Family Ariophantidae and Cyclophoridae show highest generic diversity (7) in land and freshwater, and family Neritidae has highest number of genera (5) in marine water. Most of the marine genera are represented by single species, but *Natica* (Family Naticidae) and *Stenothyra* (Family Stenothyridae), contain four species each. Among the freshwater and land molluscs, genus



**Fig. 21** : Faunal Diversity of Mollusca in West Bengal.

*Macrochalamys* (Family Ariophantidae) holds as many as 18 species, followed by the genus *Parreysia* (Family Amblemidae) containing 13 species. Highest number of land and freshwater molluscan species (94) reported from Darjiling, and district South 24 Pgs. is richest (73) in respect of marine mollusca.

1.17. *Echinodermata* : Characterised by water vascular system of coelomic origin, with radiating canals and pentamerous arrangement of body organs. Occur in sandy, muddy, rocky and coral environments from intertidal zone to deep sea. Only a very small percentage of Indian species (2.74 percent) is known from the state. There are 22 species spreading over 18 genera, 14 families and 4 orders reported from Medinipur, South 24 Parganas and Hugli districts.

1.18. *Hemichordata* : A so-called notochord present in the middle of the body. Occur from intertidal zone to deep sea. Out of 12 Indian species, only one under the genus *Saccoglossus* has been recorded from saline marshy areas of Sundarban.

1.19. *Vertebrate* : Vertebrate fauna of the state comprises 36.75% of all known vertebrates in the country (Text. fig. 22).

*Pisces* : Poikilothermus, have gills for respiration and one of the most important components of aquatic ecosystems. A total of 2634 species belonging to 969 genera, 254 families have been estimated from Indian waters. West Bengal represents 403 marine species under 250 genera, and 207 freshwater species under 113 genera.

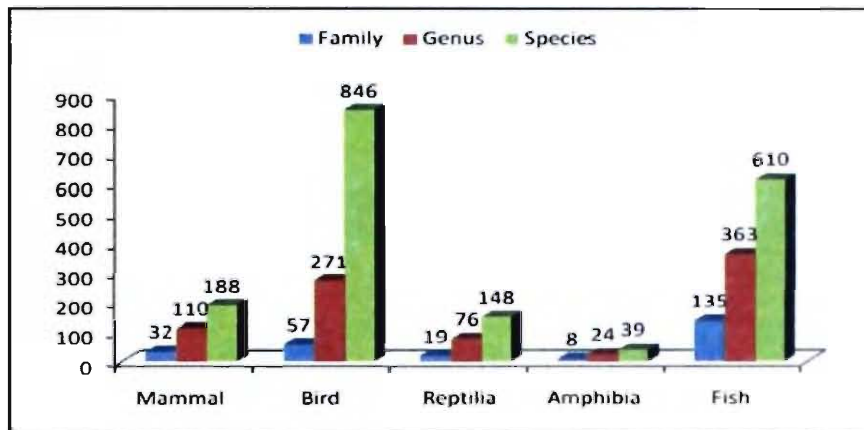


Fig. 22 : Vertebrate diversity in West Bengal.

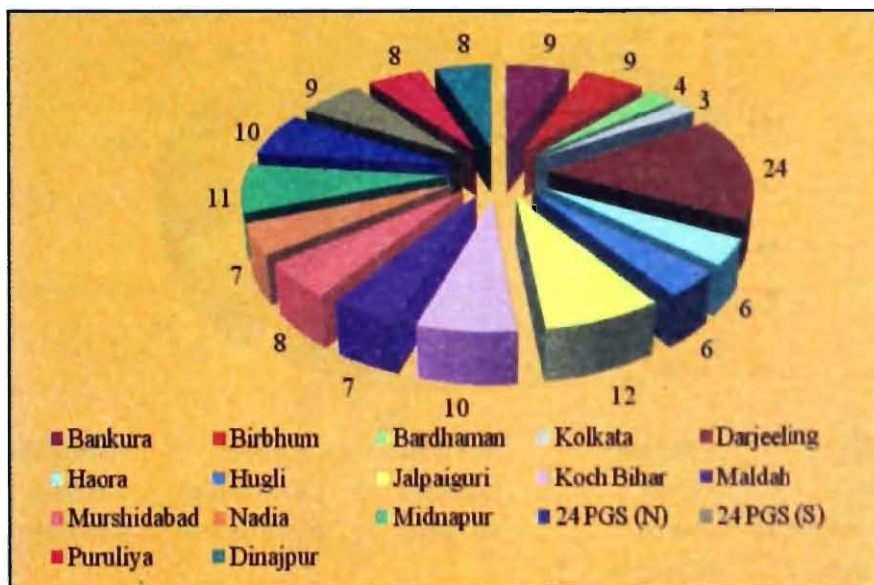


Fig. 23 : Amphibian Diversity in different districts of West Bengal.



**Amphibia** : Poikilothermus, with smooth skin. Lead a bimodal life in water as well as on land. From the country 289 species belonging to 38 genera, 3 families and 3 orders are known, out of which 39 species under 24 genera, 8 families and 3 orders recorded from the state. Family Dicroglossidae is represented by highest number of genera (7) and species (14). Darjiling not only contains highest number of species (24), but also all the three orders, viz., Anura, caudata and Gymnophiona, while in the rest of the state only the order Anura has been recorded. Diversity in amphibian in different districts of West Bengal is shown in fig. 23.

**Reptilia** : Poikilothermus, having body covering of scales. Found both in aquatic and terrestrial environment. Nearly, 456 species under 19 families and three orders are known from India, out of which 148 species spreading over 76 genera, 19 families and three orders are found in West Bengal. A family of snakes, viz., Colubridae under order Squamata exhibits the highest generic (30) as well as species (62) diversity. Maximum number of species (62) recorded from South 24 Parganas. Diversity in reptilian species in different districts of West Bengal is shown in fig. 24.

**Aves** : Body covered with feathers. Distributed over almost all the ecosystems.

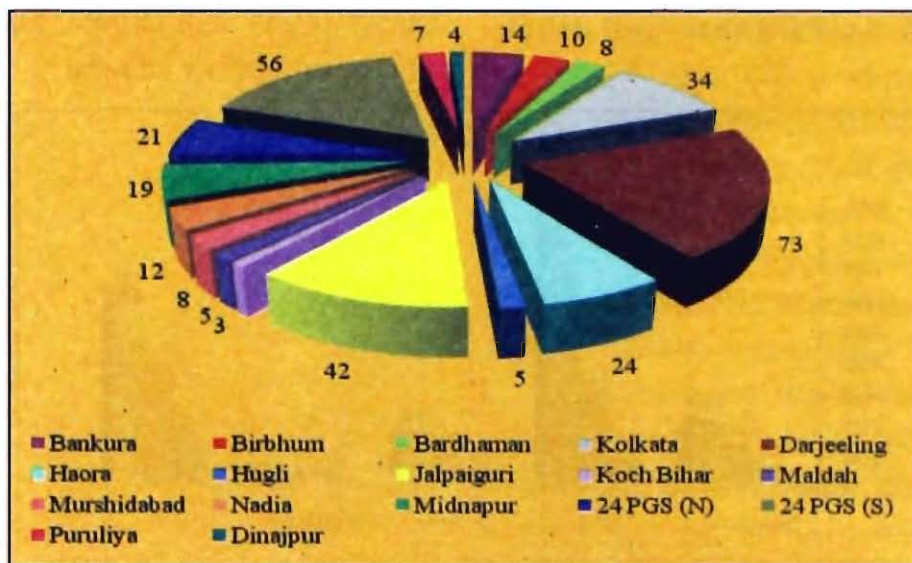


Fig. 24 : Reptile diversity in different district of West Bengal

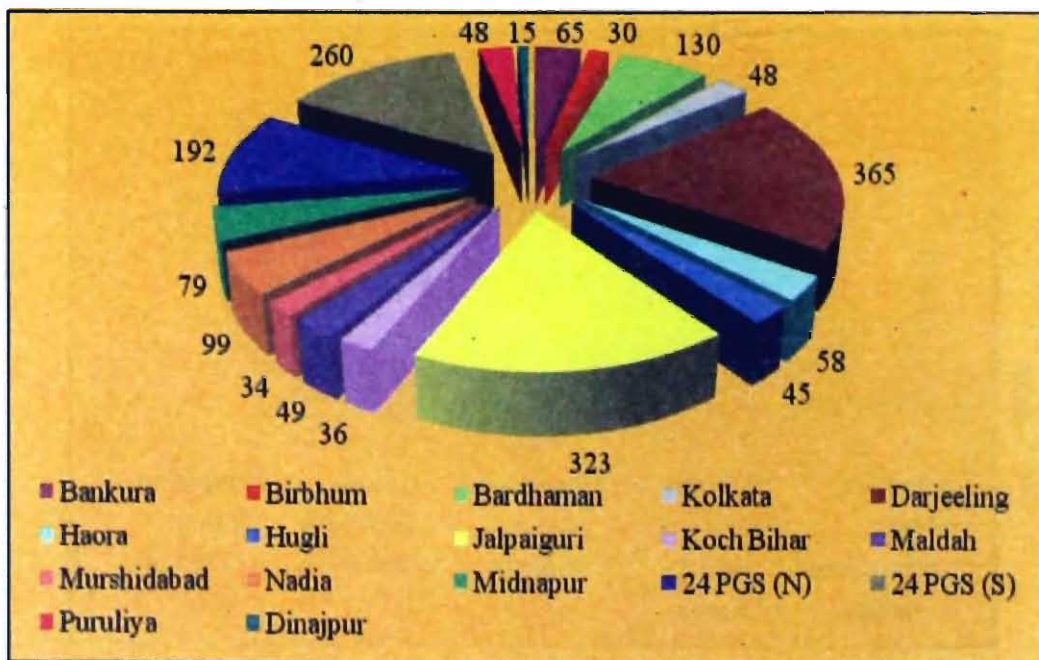


Fig. 25 : Avian diversity in different districts of West Bengal.

While India has 1232 species and subspecies under 405 genera, 78 families and 20 orders, West Bengal can boast of supporting 846 species and subspecies under 271 genera, 57 families and 16 orders. However, many of the species are only seasonal visitors of the state. Greatest diversity could be observed in the orders Passeriformes, containing 26 families 104 genera and 276 species and subspecies. District-wise avian species diversity is shown in Text. fig. 25. Darjiling holds the highest number of species (424).

**Mammalia** : Body covered with hairs at least during some period of life cycle. Found in all types of habitats exhibiting greatest adaptive radiation. From the country 397 species

belonging to 107 genera, 47 families and 13 orders are known. West Bengal shares 188 species and subspecies under 110 genera and 32 families, and 12 orders. Order Chiroptera, containing the flying mammals, exhibits greatest species diversity (60) under 7 families, followed by the order Rodentia with 40 species and 3 families. The order Carnivora holds the highest number of families (8). District-wise mammalian species diversity is shown in Text. fig. 26. District Darjiling represents the maximum number of species (122), followed by Jalpaiguri (84). For the sake of conservation, at least 65 mammalian species of West Bengal found place in the Schedules of Indian Wildlife (Protection) Act, 1972.

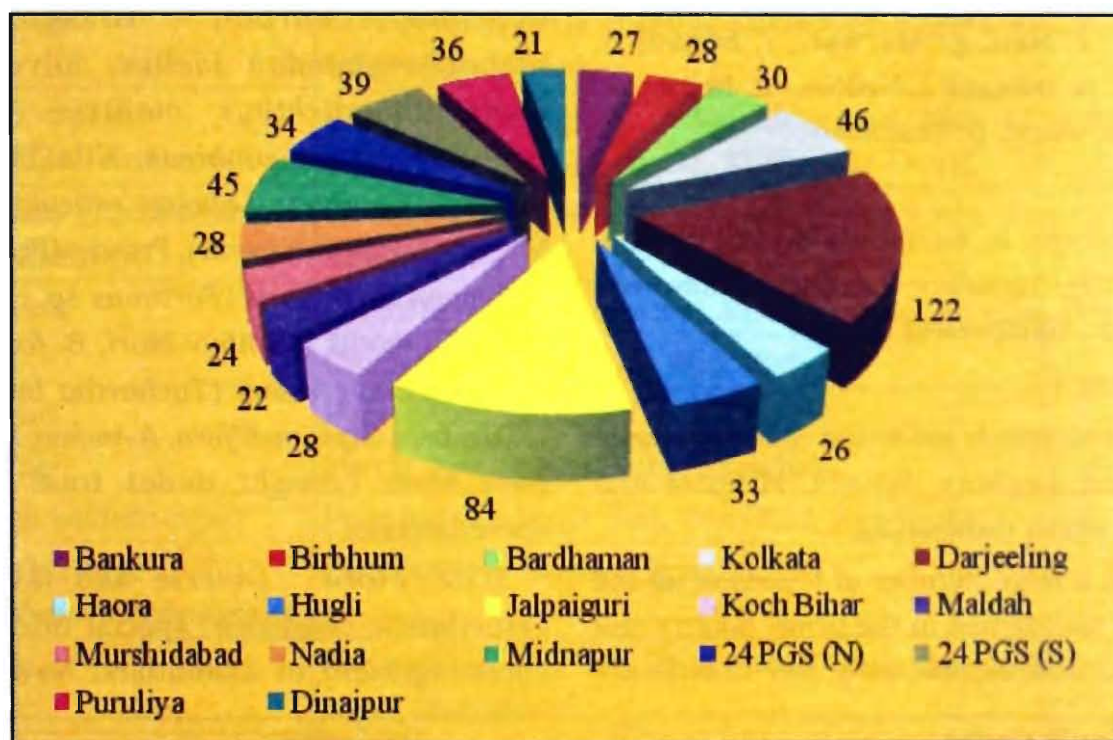


Fig. 26 : Mammalian Diversity in different districts of West Bengal.

### III. Domestic biodiversity :

Since the earliest stage of human civilization, a large number of plant and animal species are being domesticated or brought under cultivation. During domestication, a large number of breeds or varieties for each of the species have been produced for getting better yield. However, after the introduction of High

Yielding Varieties, many of these breeds have been wiped out.

III.1. *Fauna* : So far, only a few species of animals have been domesticated by the human beings. In the state, most of the domestic species have a fairly good number of breeds and many of them were brought from other parts of the country. Some of the important breeds are mentioned below.



**i. Cattle :**

**Milk breeds :** a. Sahiwal, b. Sindhi, c. Gir, d. Deoni Dual purpose breed (Haryana, Ongole, Thar Parkar, Kankrej).

**Draught breeds :** a. Amrit Mahal, b. Malvi, C. Kangayam, d. Siri, e. Halli Kar.

**ii. Buffaloes :**

a. Murrah, b. Jaffarabad, c. Nili, d. Ravi, e. Bhadawari, f. Surti.

**iii. Goat :**

a. Kashmiri, b. Gaddi, c. Jamunapuri, d. Barbari, e. Beetal, f. Berari, g. Surti, h. Bengal Goat.

**iv. Sheep :**

a. Gaddi, b. Bhakarwal, c. Gurej, d. Chokla, e. Magra, f. Nali, g. Marwari, i. Sonadi, j. Kathiwari, k. Deccani, l. Nellore, m. Bellary, n. Mandya, o. Goral, p. Shahabadi.

**v. Pigs :**

a. Deshitype, b. Exotic types (Large white, Middle white, Yorkshire, Landrace, Tamworth, Saddleback, Hampshire).

**vi. Poultry :**

At least 16 breeds are found of which Rhode Island Red, Leghorn, Sussex, Minorea and Deshi are worth mentioning.

Though a large number of breeds of all the above are maintained in the farms, poultry and individual houses, but only few breeds are

native to the state. According to Dr. A. Chatterjee, Ex-Director, State Veterinary Department, following breeds may be considered original to the state.

**Cattle :** Siri-fum Darjiling-Almost extinct.

**Goat :** a. Black Bengal Goat-South and North 24 parganas and Hugli, b. Brown Bengal Goat-Maldah, c. White Bengal Goat-North and South Dinajpur.

**Sheep :** Goral-South 24 Parganas.

**Poultry :** Assel-Bankura, Birbhum, Puruliya.

Apart from these, various breeds of dogs (*Canis* sp.), native or exotic species of fish (*Salmotrutta ferio*, Trouts-*Salmo gairdneni*, *Cyprinus carpio*, Grass carp-*Ctenopharyngodon idellus*, Silver carp-*Hypophthalmichthys molitrix*, Tilapia-*Oreochromis mosambicus*, Nile Tilapia-*O. niloticus*, Gambusia-*Labestes reticulatus*, Thai Magur-*Clarias ganepenis*), Prawns (*Penaeus* sp. *Palaemon* sp.), crabs (*Portunus* sp., *Potamon* sp.), Silk moths (*Bombyx mori*, *B. fortunatus*, *B. nistry*), Lac insect (*Tachardia lacca*) and Honey bees (*Apis mellifera*, *A. indica*, *A. florea*) have been brought under total or part domestication.

III.2. *Flora* : Diverse and favourable agroclimatic condition; special interest and encouragement of Zamindars, Nawabs and

Fruit Crops	Varieties
xvi. Mango ( <i>Mangifera indica</i> )	Fajli, Langra, Himsagar, Bombai, Golap khas, Lakshmanbhog, Champa, Chandankosa, Anaras, Gopalbhog, Safdar Pasand, Rani Pasand, Shorikhas, Surjapuri, Ashwina, Kohitoor, Kalapahar, Dilshad, Gaurjit, Nawab Pasand, Sutan Pasand, Sinduria, Amrapali, Mallika, Madhu Kulkuli, etc. and number is above 150.
ii. Banana ( <i>Musa sapientum</i> )	Champa, Chini Champa, Manik Champa, Kanthali, Mulbhog, Dudha, Kalibow, Martaman, Sabri, Kabuli, Giant Governor, Robusta, Amritasagar, Baise, Agnishwar, Kanaibashi, Anupam, Dudsagar, Beecha, Chini Beecha, Mandira, Beula, etc.
iii. Pineapple	Giant Kew, Queen, Baruipur Local, Singapore, Ceylon, Jaldhup, Mauritius.

iv. Litchi ( <i>Nephelium litchi</i> )	Bombai, Muzaffarpur, China, Elachi, Kashba, Purbi, etc.
v. Guava ( <i>Psidium guyava</i> )	Khaja, Kashi, L-49, Kafri, Apple, Safeda, Red Fleshed, Seedless.
vi. Papaya	Washington, Honey Dew, Ranchi, Solo, CO 1 to CO 5.
vii. Sapota ( <i>A'chras sapota</i> )	Cricket Ball, Bahara, Gandevi Baroda, Dhakai, Small Oval, Badami.
viii. Citrus Fruits ( <i>Citrus</i> sp.)	Limes, Lemons (Gandharaj, Seedless, Kadamba), Pummelo (Stalkart, Krishnagar 1, Krishnagar 3), Sweet Lime, Mandarin Orange, Sweep Orange and many others.
ix. Coconut ( <i>Cocos nucifera</i> )	EC Tall, WCT, Local, Hazari, Hybrid, TXD, DXT, Malayan Dwarf.
x. Cashew ( <i>Anacardium occidentale</i> )	Depali, and few others.
<b>B. Vegetables</b>	
i. Cauli flower	Jawahor Moti, Early Kuanri, Early Patna, Kalimpong. Dania, Snowball, Daina, Synthetic, Kalimpong Snowball, Pusa Dipali, Benaras, Jspanese.
ii. Cabbage	Golden Acre, Pride of India, Kalimpong English Ball, Kalimpong; Eclipse Drumhead.
iii. Garden peas ( <i>Psidium sativum</i> )	Early Giant, Meteor, Arkel Alderman, New Line Perfection, Bonneville, Jawahar Matar, Krishnagar Dwarf.
iv. Tomato ( <i>Lycopersicum esculentum</i> )	Sioux, Pusa Ruby, S-12, Punjab Topic, Roma Super, Marglobe, Krishnagar S 20.
v. Raddish	Kalpin Red, Kalimpong Red, Krishnagar Red Bombai, Contai, Long.
vi. Beet	Crimson Globe, Detroit Dark Red.
vii. Carrot	Pusa Kesar, Nantes.
viii. Turnip	Purple Top, White Globe, Snowball.
xi. Onion ( <i>Allium cepa</i> )	Pusa Ratnar, Nasik Red, Pusa Red, Red Globe.
x. Lady's Finger ( <i>Hibiscus esculentus</i> )	Pusa Sawani, Parwani Kranti.
xi. Chilli	Suryamukhi, G-3, NP 46 A, Patnai, Pusa Jwala, Bullet, Sali, Siti Sagar, Sundari.
xii. Pumpkin ( <i>Cucurbita pepo</i> )	Chaitali, Barsati.
xiii. Cucumber ( <i>Cucumis sativus</i> )	Japanese Long green, Poinseti, Krishnagar Selection.
xiv. Brinjal ( <i>Solanum melongena</i> )	Pusa Kranti, Pusa Purple, Makra, Cluster, Pusa Purple Long, Muktakeshi, Noorki, Paiva Tuni, Rajpur Selection, Rajkrishna, Purple Round, Green Long.
xv. Bottle Gourd ( <i>Lagenaria vulgaris</i> )	Pusa Summar, Desi Long, Bajoral Selection.
xvi. Sweet Potato ( <i>Ipomoea batatas</i> )	Pusa sunheri, Pusa Safed, Pusa Lal.

wealthy persons; success of commercial horticulture and crop research centers; and several other factors make West Bengal, not only very rich in species of cereals, vegetables and fruits but also varieties in each of them. A glimpse of this richness in respect of variety is provided below in a tabular form.

Above description of varieties within the different species of fruits and vegetable is far from the complete. Numerous unnamed varieties of each of them are being cultivated and maintained mainly by the tribals

particularly in areas where modern agricultural facilities have not yet been reached.

In case of cereals, different kinds such as indigenous, improved indigenous variety (IIV), High yielding variety (HYV), and Hybrids are met with. Each of these kinds are represented by a number of varieties. However, depending on the agroclimatic condition and irrigation facilities some amount of geographical variation could be found in respect of number and prevalent varieties under cultivation in the different districts as detailed below.

<b>Crops</b>	<b>Varieties</b>	<b>Number</b>
<b>DARJILING :</b>	<b>KHARIF</b>	
Paddy	Indigenous	1
	IIV	3
	HYV	2
Maize	Indigenous	1
	Hybrids	2
Finger Millet	Indigenous	Several
Buck Wheat	Indigenous	1
Mashiam Kalai	Indigenous	1
Soyabean	IIV	2
	<b>RABI</b>	
Wheat	HYV	1
Mustard	IIV	2
Rai Sag	Indigenous	1
<b>JALPAIGURI :</b>	<b>KHARIF</b>	
Paddy (Aus)	Indigenous	1
Paddy (Aman)	Indigenous	10
	HYV	10
	<b>RABI</b>	
Italian	Indigenous	1
Sesame	Indigenous	1
	HYV	1
Mustard	Indigenous	1
	IIV	2
Wheat	HYV	2



<b>Crops</b>	<b>Varieties</b>	<b>Number</b>
<b>NORTH DINAJPUR :</b>	<b>KHARIF</b>	
Paddy (Aus)	11V	1
	HYV	10
Paddy (Aman)	Indigenous	6
	IIV	2
	HYV	28
Kulthi Kalai	Indigenous	1
Arahar	Indigenous	1
	IIV	1
Kalai	Indigenous	1
	IIV	1
Maize	Hybrid	3
Bajra	Indigenous	1
	<b>RABI</b>	
Paddy (Boro)	HYV	14
Wheat	HYV	8
Lentis	IIV	2
Gram	Indigenous	1
Khesari	IIV	1
Mustard	IIV	3
Groundnut	IIV	3
Sesame	Indigenous	1
	IIV	1
<b>KOCHBIHAR :</b>		
	<b>KHARIF</b>	
Paddy	Indigenous	2
	IIV	1
	HYV	8
Bajra	Indigenous	1
Jower	Indigenous	1
	<b>RABI</b>	
Indian Millet	Indigenous	2
Mustard	IIV	2
Sesame	Indigenous	1
	IIV	1
Khesari	Indigenous	1

<b>Crops</b>	<b>Varieties</b>	<b>Number</b>
<b>MURSHIDABAD :</b>		
	<b>KHARIF</b>	
Paddy (Aus)	HYV	5
Paddy (Aman)	Indigenous	5
Kalai	Indigenous	1
	IIV	2
	<b>RABI</b>	
Wheat	IIV	1
	HYV	3
Gram	Indigenous	1
	IIV	3
Lentil	Indigenous	1
	IIV	2
	HYV	5
Mustard	Indigenous	1
Arhar	IIV	1
<b>SOUTH DINAJPUR :</b>		
	<b>KHARIF</b>	
Paddy (Aus)	Indigenous	1
	IIV	1
Paddy (Aman)	HYV	8
	<b>RABI</b>	
Wheat HYV	2	2
Mustard	IIV	3
Lentel	Indigenous	1
	IIV	1
Gram	IIV	2
Khesari	Indigenous	1
<b>MALDAH :</b>		
	<b>KHARIF</b>	
Paddy (Aus)	Indigenous	3
	HYV	2
Paddy(Aman)	HYV	8
Kalai	Indigenous	2
	IIV	2
Maize	Indigenous	1
	Hybrid	2

<b>Crops</b>	<b>Varieties</b>	<b>Number</b>
Arhar	Indigenous	1
	IIV	1
	RABI	
Gram	Indigenous	1
	IIV	2
Lentil	Indigenous	1
	IIV	2
Mustard	IIV	5
<b>BIRBHUM :</b>		
	KHARIF	
Paddy (Aman)	HYV	12
Arhar	Indigenous	1
	IIV	2
Kalai	Indigenous	1
Sesame	Indigenous	1
	IIV	3
	RABI	
Wheat	HYV	2
Gram	Indigenous	1
	IIV	4
Lentil	Indigenous	1
	IIV	2
Mustard	IIV	2
<b>BANKURA :</b>		
	KHARIF	
Paddy (Aus)	IIV	2
	HYV	Many
Paddy(Aman)	Indigenous	2
	IIV	2
	HYV	9 +
Sesame	Indigenous	1
Kalai	Indigenous	1
	RABI	
Wheat	HYV	1
Mustard	IIV	1

<b>Crops</b>	<b>Varieties</b>	<b>Number</b>
HUGLI :		
	KHARIF	
Paddy	Indigenous	3
	HYV	4
	IIV	2
Kalai	Indigenous	1
	RABI	
Paddy(Boro)	HYV	5
Mustard	IIV	3
Wheat	Indigenous	1
	HYV	1
EAST MEDINIPUR :		
	KHARIF	
Paddy	Indigenous	Not Available
	HYV	3
Kalai	Indigenous	1
	IIV	1
	RABI	
Mung	Indigenous	1
	IIV	1
Paddy )Boro)	HYV	5
Khesari	Indigenous	1
	IIV	1
BARDDHAMAN :		
	KHARIF	
Paddy (Aus)	HYV	3 +
Paddy (Aman)	IIV	2
	HYV	9 +
Kalai	Indigenous	2
	IIV	2
	RABI	
Wheat	HYV	3
Mustard	Indigenous	1
	IIV	V
Paddy (Boro)	Indigenous	1
	HYV	3

<b>Crops</b>	<b>Varieties</b>	<b>Number</b>
<b>WEST MEDINIPUR :</b>		
	KHARIF	
Paddy (Aus)	HYV	8
Paddy (Aman)	Indigenous	2 +
	HYV	19
Arhar	Indigenous	1
	IIV	1
Mung	IIV	3
Sesame	Indigenous	1
Kalai	Indigenous	1
	IIV	3
	RABI	
Wheat	HYV	4
Khesari	IIV	2
Lentil	Indigenous	1
	IIV	3
Mustard	IIV	1
<b>NORTH 24 PARGANAS :</b>		
	KHARIF	
Paddy (Aus)	Indigenous	1
	HYV	3
Paddy (Aman)	Indigenous	7
	HYV	11
Kalai	Indigenous	1
	IIV	1
	RABI	
Wheat	HYV	2
Mustard	IIV	3
Gram	Indigenous	1
Lentil	Indigenous	1
Khesari	Indigenous	1
Paddy (Boro)	HYV	5
<b>SOUTH 24 PARGANAS :</b>		
	KHARIF	
Paddy (Aus)	Indigenous	1
	HYV	1

<b>Crops</b>	<b>Varieties</b>	<b>Number</b>
Paddy (Aman)	Indigenous	1
	HYV	14
	RABI	
Wheat	HYV	3
Mustard	IIV	3
Mung	Indigenous	1
	IIV	1
Kalai	Indigenous	1
PURULIYA :		
	KHARIF	
Paddy (Aus)	HYV	10
Paddy (Aman)	HYV	24
Maize	Hybrid	2
Sesame	Indigenous	1
	IIV	2
Kalai	Indigenous	1
	IIV	2
Arhar	Indigenous	1
	IIV	2
Mung	Indigenous	1
	IIV	2
	RABI	
Mustard	IIV	3
Wheat	HYV	3
Lentil	Indigenous	1
	IIV	1
Keshri	Indigenous	1
	IIV	1
Gram	Indigenous	1
	IIV	1
NADIA :		
	KHARIF	
Paddy (Aus)	IIV	1
	HYV	5
Paddy (Aman)	HYV	13
Kalai	Indigenous	1



<b>Crops</b>	<b>Varieties</b>	<b>Number</b>
	IIV	2
	RABI	
Paddy (Boro)	Indigenous	1
	HYV	4
Wheat	Indigenous	1
	HYV	3
Gram	Indigenous	1
	IIV	3
Lentil	Indigenous	1
	IIV	2
Sesame	Indigenous	2
	IIV	2
Mustard	IIV	6
Khesari	Indigenous	1
	IIV	1
HAORA :		
	KHARIF	
Paddy	Indigenous	3
	HYV	14
	IIV	2
Sesame *	Indigenous	1
	IIV	1
	RABI	
Mustard	IIV	1
Mung	IIV	
Wheat	HYV	5
Khesari	Indigenous	1
	IIV	1

## SPECIES OF SPECIAL SIGNIFICANCE

The world stands today on the threshold of major changes brought about by revolutionary developments in the field of biotechnology. Under the Convention on Biological Diversity (CBD) regime, genetic resources are the sovereign property of a country. As such value has been added to each and every component of biodiversity. However, there are many species which deserve special mention and stand very much significant in respect of their taxonomic, zoogeographic, economic, medical, evolutionary, endemism, conservation and various other aspects. Biodiversity of West Bengal contains numerous such species and some of them are discussed below.

It has already been mentioned that biodiversity in all the ecosystems is under severe pressure resulting from commercial clear felling and selective clear felling; conversion for agriculture, settlements, roads, mining, river valley projects; conversion to monocultures; grazing; hunting and trade; fire; pollution; introduction of exotics and high yielding varieties and many others. As a result, large number of species succumbed to the changes of biotopes. Many of the species have been wiped out from the state during last hundred years or so. Quite a substantial number of species have lost vast areas of their earlier range and now restricted to certain pockets with very small populations. Survival of them depends totally on the species specific conservation programme. Populations of several others are dwindling at a very fast rate and surviving mainly in certain protected areas.

The population status of major endangered animals in West Bengal is shown in Table 23.

Among the species extinct or probably extinct from the state following are worth mentioning.

Mammals : Javan Rhinoceros – *Rhinoceros sondaicus*, Asiatic two – horned Rhinoceros – *Dicerorhinus sumatrensis*, Wild Buffalo – *Bubalus bubalis*, Nilgai – *Boselaphus tragocamelus*, Black Buck – *Antelope cervicapra* introduced in Ballavpur), Musk

Deer – *Moschus moschiferus*, Swamp Deer – *Cervus duvauceli* (recently introduced in Jaldapara), Snow Leopard – *Uncia uncia*, Indian Pilot Whale – *Globicephala macrorhynchus*, Black Finless Porpoise – *Neophocaena phocaenoides*.

Aves : Monal pheasant – *Lophophorus impejanus*, Mountain Quail – *Ophrysia superaliosa*, Pink – headed Duck – *Rhodonessa caryophyllacea*.

Plants : *Aldrovanda vesiculosa*, an aquatic plant belonging to Family Droseraceae was last collected during 1957 (Now probably extinct from West Bengal-Dept. of Environment & Ramkrishna Mission, 2002), Makhana – *Euryale ferox* (An aquatic dicot belonging to Family Nymphaeaceae. Commercially cultivated but there is no wild distribution – Dept. of Environment & Ramkrishna Mission, 2002).

There are number of faunal species which could not sighted within the territory of the state for a long period. Surveys by specialists in the probable areas of their occurrence are urgently needed to determine the exact status of these species in the state. This category includes a large number of arthropods and other invertebrates which are known mainly by the type specimens only, and subsequent to the original description no further material could be obtained. Among the vertebrates following species have not been recorded from the state for last few decades.

Mammals : Marbled Cat-*Pardofelis marmorata*, Golden Cat-*Catopuma temmincki*, Three-banded palm Civet-*Arctogalidia trivirgata*.

Reptiles : *Zaocys nigromarginatus*, Mock Viper – *Psammodynastes pulverulentus* (within Indian limit recorded only from North Bengal), Gore's Bronze Back- *Dendrelaphis gorei*, *Ahaetulla prosina*, Muggar-*Crocodylus palustris* (Occurrence in Damodar river reported, but requires confirmation- Chowdhary and Choudhury, 1994), Gharial-

**Table-23** : Major endangered animals and their population status in West Bengal.

Year	Gorumara	Buxa	Jaldapara	Mahananda	Sundarbans	Other areas	Total
1979	7	27	12	10	205	35	296
1983	16	15	9	1	264	47	352
1989	8	33	7	8	269	36	361
1992	-	29	5	13	-	-	-
1993	-	29	9	12	251	34	335
1997	-	32	13	12	263	41	361
1999	-	33	12	13	284	23	365
2002	-	31	9	15	271	23	349
2004	-	27	6	16	274	21	344
2010	Data analysis being done using modern techniques						
<b>Leopard : (Schedule 1)</b>							
1984	14	8	7	12	-	41	82
1989	14	50	5	10	-	29	108
1992	-	63	-	-	-	-	-
1993	2	-	9	2	-	31	107
2002	47	149	33	18	-	84	331
2004	40-45	145-150	25-30	25-30	-	65-75	300-330
<b>Gaur : (Schedule 1)</b>							
Year	Total Number						
1989	240						
1993	425						
1997	550						
1998	530-560						
2002	1180-1284						
2009-10	Not less than 901 (Gorumara NP & Chapramari WLS only)						

Table-23 : Cont'd.

<b>Elephant : (Schedule 1)</b>			
<b>Year</b>	<b>Total Number</b>		
1989	175		
1993	186		
1997	230-250		
1998	230-250		
1999-2000	327		
2000	327		
2002	328*		
2005	N.B. 300-350 + S.B. 96		
2007	N.B. 300-350 + S.B. 25 (Excluding migratory population)		
2010	S.B. 123 (Preliminary report)		
<b>Rhinoceros : (Schedule 1)</b>			
<b>Year</b>	<b>Jaldapara</b>	<b>Gorumara</b>	<b>Total</b>
1969	75	12	87
1974	21	6	27
1978	19	8	27
1986	14	8	22
1989	27	12	39
1993	33	12	45
1996	42	14	56
1997	44	14	58
1999	55	19	74
2000	54	19	73
2002	74	22	96
2004	96	25	121
2006	108	27	135
2008-09	125	31	156
2009-10	125 (Figures from 2008-09 adopted)	35 (32 in Gorumara + 1 in Chapramari + 2 in Buffer areas of Gorumara NP & Chapramari WLS)	

Source : Annual Report (2009-2010), Wildlife Wing, Directorate of Forests, Govt. of West Bengal.

*Gavialis gangeticus* (Occurrence reported in Maldah, but requires confirmation-Chowdhary and Choudhary, 1994).

Amphibians : *Bufo abatus*, *Megophrys robusta*, *Philautus jerdonii*, *Occidozyga tima*

Some of the invertebrate species of this category are :

Odonota : *Epiophlebia laidlawi*, *Indoscelimena flavopicta*, *Ergatettix colossus*

Thysanura : *Tricholepisma graveleyi*

Dermoptera : *Haplodiplatys lobatus*, *H. bidentatus*, *Paralabella fulleri*, *Chaetospinia kurseongae*

Mollusca : *Alycaeus lectus*

There are some species which are surviving by a very small population in limited areas and only occasionally sighted or reported. A number of mammalian species such as Himalayan Tahr-*Hemitragus jemlahicus*, Pygmy Hog-*Sus salvanius*, Hispid Hare – *Caprolagus hispidus*, Asiatic Black Bear-*Selenarctos thibetanus*,

Three Banded Palm Civet – *Arctogalidia trivirgata*, Hog Badger – *Arctonyx collaris*, Burmese Ferret Badger – *Melogale personata*, Ratel – *Mellivora capensis* belong to this category. Among birds, Bengal Florican-*Eupoditis bengalensis* is only sporadically reported from the state. It is worthwhile to mention that all the above species are found in the forests of North Bengal.

Apart from the above, natural range and populations of a large number of floral and faunal species of the state have dwindled to a great extent. Some of them have already drawn the attention of appropriate authorities and various measures are being taken for conservation of them and their habitats. However, vast majority of such threatened species are yet to be covered by any specific programme of conservation. A list of some such threatened species of the state along with region of their main occurrence has been provided in Table 24.

**Table-24** : Some of the threatened species of West Bengal along with the region of their main occurrence. EWB = Entire West Bengal; SWB = Southern West Bengal; NWB = Northern West Bengal; SWWB = South West Bengal.

Group	Sl. No.	Name of the threatened species and IUCN status	Region of main occurrence
Flora	1	<i>Anogeissus latifolicus</i>	SWB
	2.	<i>Acanthus volubilis</i>	SWB
	3.	<i>Avicennia alba</i>	SWB
	4.	<i>Aeginlitis rotundifolia</i>	SWB
	5.	<i>Antistrophe oxyantha</i>	NWB
	6.	<i>Aristolochia tagala</i>	NWB
	7.	<i>Arundinaria falconeri</i>	NWB
	8.	<i>A. hookeriana</i>	NWB
	9.	<i>Acer hookeri</i> -Endangered	NWB
	10.	<i>A. osmastonii</i> -Endangered	NWB
	11.	<i>Bambusa nutans</i>	NWB
	12.	<i>Bauhinia macrostachya</i>	NWB
	13.	<i>Boehmeria rugulosa</i>	NWB
	14.	<i>Buchanania latifolia</i>	SWB

Table-24 :Contd.

Group	Sl. No.	Name of the threatened species and IUCN status	Region of main occurrence
	15.	<i>Butea superba</i>	SWB
	16.	<i>Bulleyia yunnanensis</i> -Rare	NWB
	17.	<i>Begonia satrapis</i> -Rare	NWB
	18.	<i>B. scutata</i> -Rare	NWB
	19.	<i>Caldesia oligococca</i>	—
	20.	<i>C. pamassifolia</i>	—
	21.	<i>Caesalpinia Crista</i>	NWB
	22.	<i>Calamus erectus</i>	NWB
	23.	<i>C. latifolius</i>	NWB
	24.	<i>Canarium sikkimense</i>	NWB
	25.	<i>Carissa spinarum</i>	NWB
	26.	<i>Chisoheton paniculatus</i>	NWB
	27.	<i>Cinnamomum cecidodaphe</i>	NWB
	28.	<i>C. zeylanicum</i>	NWB
	29.	<i>Crataeva religiosa</i>	SWB
	30.	<i>Cycas pectinata</i>	NWB
	31.	<i>Ceriops tagal</i>	—
	32.	<i>C. decandra</i>	—
	33.	<i>Cleome monophylla</i>	SWB
	34.	<i>Casearia graveolens</i>	SWB
	35.	<i>Codonopsis affinis</i> -Rare	NWB
	36.	<i>Christtella clarkei</i> -Vulnerable	NWB
	37.	<i>Cissus spectabilis</i> -Endangered	NWB
	38.	<i>Dalbergia latifolia</i>	NWB, SWB
	39.	<i>Daphne cannabina</i>	NWB
	40.	<i>Daphniphyllum himalayense</i>	NWB
	41.	<i>Dendrobium lituiflorum</i>	NWB
	42.	<i>D. sulcatrum</i>	NWB
	43.	<i>Desmodium gyrans</i>	V
	44.	<i>Dioscorea bulbifera</i>	NWB, SWB
	45.	<i>D. pentaphylla</i>	NWB
	46.	<i>D. prazeri</i>	NWB
	47.	<i>D. puber</i>	NWB
	48.	<i>Dodonea viscosa</i>	NWB



Table-24 :Contd.

Group	Sl. No.	Name of the threatened species and IUCN status	Region of main occurrence
	49.	<i>Drosera burmannii</i>	SWB
	50.	<i>D. peltata</i>	NWB
	51.	<i>D. indica</i>	
	52.	<i>Drypetes subsessilis</i>	NWB
	53.	<i>Diplomeris hirsuta</i> -Vulnerable	NWB
	54.	<i>Excoecaria agallocha</i>	SWB
	55.	<i>Elaeocarpus aristatus</i>	NWB
	56.	<i>E. ganitrus</i>	NWB
	57.	<i>Elaeodendron glaucum</i>	NWB
	58.	<i>Engelhardtia aolebrookiana</i>	NWB
	59.	<i>Eriobotrya dubia</i>	NWB
	60.	<i>Eulophia bicallosa</i>	NWB
	61.	<i>Feronia elephantina</i>	SWB
	62.	<i>Firmiana pallens</i>	NWB
	63.	<i>Flacourtia cataphracta</i>	NWB, SWB
	64.	<i>Geodorum densiflora</i>	NWB
	65.	<i>Gloriosa superba</i>	NWB
	66.	<i>Gnetum scandens</i>	NWB
	67.	<i>Grewia microcos</i>	NWB
	68.	<i>Habenaria marginata</i>	NWB
	69.	<i>H. oleosa</i>	NWB
	70.	<i>Helicteres isora</i>	SWB
	71.	<i>Homalium zeylanicum</i>	NWB
	72.	<i>Hova lanceolata</i>	NWB
	73.	<i>H. globulosa</i>	NWB
	74.	<i>Hymenodictyon flaccidum</i>	NWB
	75.	<i>Heydyotis brunonis</i>	NWB
	76.	<i>H. scabra</i>	NWB
	77.	<i>Heritiera fomes</i>	SWB
	78.	<i>Isoetes coromandelina</i>	
	79.	<i>Ichnocarpus frutescens</i>	NWB, SWB
	80.	<i>Juniperus pseudo-sabina</i>	NWB
	81.	<i>Knema erratica</i>	NWB
	82.	<i>Kandelin candal</i>	SWB

Table-24 :Contd.

Group	Sl. No.	Name of the threatened species and IUCN status	Region of main occurrence
	83.	<i>Leycesteria belliana</i>	NWB
	84.	<i>L. glaucophylla</i>	NWB
	85.	<i>Livistonia jenkinsiana</i>	NWB
	86.	<i>Luculia gratissima</i>	NWB
	87.	<i>Lumnitzera recemosa</i>	SWB
	88.	<i>Machilus clarkeana</i>	NWB
	89.	<i>M. glaucescens</i>	NWB
	90.	<i>M. parviflora</i>	NWB
	91.	<i>Mallotus philippinensis</i>	NWB, SWB
	92.	<i>Medinilla rubicunda</i>	NWB
	93.	<i>Michelia Montana</i>	NWB
	94.	<i>Micromeles thomsoni</i>	NWB
	95.	<i>Musa balbisiana</i>	NWB
	96.	<i>Miliusa velutina</i>	SWB
	97.	<i>Metathelypteris decipiens</i>	NWB
	98.	<i>Neohouzeana dullooa</i>	NWB
	99.	<i>Nervilia falcata</i>	NWB
	100.	<i>Nypa fruticans</i>	SWB
	101.	<i>Najas marina</i>	
	102.	<i>Oberonia ensiformis</i>	NWB
	103.	<i>O. rufilabris</i>	NWB
	104.	<i>Odina wodier</i>	NWB, SWB
	105.	<i>Olea dioica</i>	NWB
	106.	<i>Ormosia glauca</i>	NWB
	107.	<i>Ougeinia oojenensis</i>	SWB
	108.	<i>Ophiorrhiza lurida</i> -Rare	NWB
	109.	<i>Podocarpus neriifolia</i>	NWB
	110.	<i>Populus glauca</i>	NWB
	111.	<i>Pseudo-gardneria angustifolia</i>	NWB
	112.	<i>Pygmaeopremna herbacea</i>	NWB
	113.	<i>Polygala arillata</i>	NWB
	114.	<i>P. eroptera</i>	SWB
	115.	<i>Pimpinella tongloensis</i> - Endangered	NWB

Table-24 : Contd.

Group	Sl. No.	Name of the threatened species and IUCN status	Region of main occurrence
	116.	<i>Polyalthia serasoides</i>	SWB
	117.	<i>Rauwolfia serpentina</i>	NWB, SWB
	118.	<i>R. tetraphylla</i>	SWB
	119.	<i>Reevesia pubescens</i>	SWB
	120.	<i>Rhododendron smithi</i>	NWB
	121.	<i>Rhynchostylis retusa</i>	NWB
	122.	<i>Saccopetalum longiflorum</i>	NWB
	123.	<i>Salix daltoniana</i>	
	124.	<i>Santalum album</i>	SWB
	125.	<i>Semecarpus anacardium</i>	NWB, SWB
	126.	<i>Siphonodon celastrineus</i>	NWB
	127.	<i>Sorbus ursina</i>	NWB
	128.	<i>Soymida febrifuga</i>	SWB
	129.	<i>Spiranthes sinensis</i>	NWB
	130.	<i>S. australis</i>	
	131.	<i>Strychnos nux-vomica</i>	SWB
	132.	<i>Styrax serrulatum</i>	NWB
	133.	<i>Symplocos racemosa</i>	NWB, SWB
	134.	<i>Solomonina ciliata</i>	SWB
	135.	<i>S. polygala</i>	SWB
	136.	<i>Sonneratia alba</i>	SWB
	137.	<i>S. casaeolaris</i>	SWB
	138.	<i>Scyphiphora hydrophylacea</i>	SWB
	139.	<i>Ternstroemia japonica</i>	NWB
	140.	<i>Tetracera sarmentosa</i>	NWB
	141.	<i>Tiliacora acuminata</i>	SWB
	142.	<i>Tylophora indica</i>	SWB
	143.	<i>Utricularia bifida</i>	NWB
	144.	<i>U. caerulea</i>	NWB
	145.	<i>U. scandens</i>	NWB
	146.	<i>U. stellaris</i>	
	147.	<i>U. striatula</i>	
	148.	<i>Vatica lancaefolia</i>	NWB
	149.	<i>Vitex peduncularis</i>	NWB

Table-24 :Contd.

Group	Sl. No.	Name of the threatened species and IUCN status	Region of main occurrence
	150.	<i>Xylia xylocarpa</i>	SWB
	151.	<i>Xylocarpus granalum</i>	SWB
	152.	<i>Zeuxine nervosa</i>	NWB
Fauna : Mammalia	153.	<i>Petaurista magnificus</i>	NWB
	154.	<i>P. nobilis</i>	NWB
	155.	<i>Ratufa bicolor</i>	NWB
	156.	<i>Myotis annectans</i>	NWB
	157.	<i>M. mystacinus</i>	NWB
	158.	<i>Rhinolophus trifoliatum</i>	NWB
	159.	<i>Manis crassicaudata</i>	EWB
	160.	<i>Canis lupus</i>	SWWB
	161.	<i>Cuon alpinus</i>	NWB, SWB
	162.	<i>Melurnus ursinus</i>	NWS, SWWB
	163.	<i>Ailurus fulgens</i> -Sch. I	NWB
	164.	<i>Lutra lutra</i>	EWB
	165.	<i>Aonyx cinerea</i>	NWB, SWB
	166.	<i>Herpestes palustris</i> -Sch. I	SWB
	167.	<i>Hyaena hyaena</i>	SWWB, NWB
	168.	<i>Prionailurus bengalensis</i>	EWB.
	169.	<i>P. viverrinus</i>	NWB, SWB
	170.	<i>Neofelis nebulosa</i>	WWB
	171.	<i>Panthera pardus</i>	EWB
	172.	<i>Panthera tigris</i> -Sch. I	NWB, SWB
	173.	<i>Elephas maximus</i> -Sch. I	NWB, SWWB
	174.	<i>Capricornis sumatraensis</i>	NWB
	175.	<i>Caprolagers hispidus</i> -Sch. I	SWB, NWB
	176.	<i>Rhinoceros unicornis</i> -Sch. I	NWB
	177.	<i>Cervus duvaucelli</i> -Sch. I	SWB, NWB
	178.	<i>Bos frontalis</i>	NWB
	179.	<i>Bubalus bubalis</i> -Sch. I	SWB, NWB
	180.	<i>Platanista gangetica</i> -Sch. I	SWB, NWB
	181.	<i>Orcaella brevirostris</i> -Sch. I	SWB
	Aves	182.	<i>Ardea goliath</i>
183.		<i>Ciconia ciconia</i>	NWB,

**Table-24 :Contd.**

<b>Group</b>	<b>Sl. No.</b>	<b>Name of the threatened species and IUCN status</b>	<b>Region of main occurrence</b>
	184.	<i>Leptoptilos dubius</i> -Sch. IV	SWWB, SWB
	185.	<i>L. javanicus</i> -Sch. IV	EWB
	186.	<i>Platalea leucorodia</i>	EWB
	187.	<i>Dendrocygna bicolor</i>	NWB, SWB
	188.	<i>Threskiornis aethiopica</i>	SWB
	189.	<i>Aviceda jerdoni</i>	NWB
	187.	<i>A. leuphotes</i>	NWB
	191.	<i>Accipiter nisus</i>	NWB'
	192.	<i>A. virgatus</i>	NWB
	193.	<i>Haliaeetus leucogaster</i>	SWB
	194.	<i>Sarcogyps calvus</i>	SWB
	195.	<i>Gyps indicus</i> -Sch. I	SWWB
	196.	<i>G. bengalensis</i> -Sch. I	EWB
	197.	<i>Pandion haliaetus</i>	SWWB, SWB
	198.	<i>Falco peregrinus</i> -Sch. IV	SWWB
	199.	<i>Polyplectron bicalcaratum</i>	NWB
	200.	<i>Ithaginis cruentus</i>	NWB
	201.	<i>Lophurus leucomelana</i>	NWB
	202.	<i>Pavo cristatus</i>	NWB
	203.	<i>Grus nigricollis</i>	NWB
	204.	<i>Haliaeetus leucoryphus</i>	NWB
	205.	<i>Tyto alba</i>	SWB
	206.	<i>Aceros nipalensis</i>	NWB
	207.	<i>Anthracoseros malabaricus</i>	NWB
	208.	<i>Pellomeum palustris</i> -Sch. IV	NWB
<b>Reptiles</b>	209.	<i>Aspideretes gangeticus</i> -Sch. I	SWB
	210.	<i>Aspideretes hurum</i> -Sch. I	SWB
	211.	<i>Melanochelys tricarinata</i> -Sch. I	SWB
	212.	<i>Gavialis gangeticus</i> -Sch. I	SWB
	213.	<i>Crocodylus porosus</i>	SWB
	214.	<i>Lepidochelys olivacea</i> -Sch. I	SWB
	215.	<i>Batagur buska</i> -Sch. I	SWB
	216.	<i>Eretmochelys imbricata</i> -Sch. I	SWB
	217.	<i>Chelonia mydas</i> -Sch. I	SWB

Table-24 :Contd.

Group	Sl. No.	Name of the threatened species and IUCN status	Region of main occurrence
	218.	<i>Kachuga kachuga</i> -Sch. I	SWB
	219.	<i>Geoclemys hamiltonii</i> -Sch. I	SWB
	220.	<i>Eretmochelys imbricata</i> -Sch. I	SWB
	221.	<i>Lissemys punctata</i>	NWB, SWB
	222.	<i>Chitra indica</i> -Sch. I	SWB
	223.	<i>Varanus bengalensis</i>	EWB
	224.	<i>V. flavescens</i>	SWB
	225.	<i>V. salvator</i>	SWB
	226.	<i>Python molurus</i> -Sch. IV	NWB
	227.	<i>P. reticulatus</i>	NWB
	228.	<i>Elachistodon westermanii</i> -Sch. I	NWB
	229.	<i>Ptyas mucosus</i>	EWB
	230.	<i>Naja naja</i>	EWB
Amphibia	231.	<i>Trilotriton verrucosus</i> -Sch. I	EWB
Pisces	232.	<i>Ompok pabo</i>	
	233.	<i>Carcharhinus gangeticus</i> -Sch. I	
	234.	<i>O. bimaculatus</i>	
	235.	<i>Ailia bengalensis</i>	
	236.	<i>Bagrius bagarius</i>	
	237.	<i>Eutropichthys vacha</i>	
	238.	<i>Puntius sarana</i>	
	239.	<i>Semiplolus semiplolus</i>	
	240.	<i>Osphronemus nobilis</i>	
	241.	<i>Labeo diacanthys</i>	
	242.	<i>L. fimbriatus</i>	
	243.	<i>L. goniis</i>	
	244.	<i>Anabas testudineus</i>	
	245.	<i>Notopterus notopterus</i>	EWB
	246.	<i>N. chitala</i>	EWB
	247.	<i>Pangasius pangasius</i>	
	248.	<i>Balitora brucci</i>	
	249.	<i>Gadusia chapra</i>	
	250.	<i>Meastacembelus armatus</i>	



**Table-24 :Contd.**

Group	Sl. No.	Name of the threatened species and IUCN status	Region of main occurrence
	251.	<i>Mystas tangra</i>	
	252.	<i>M. aor</i>	
	253.	<i>Rasbora rasbora</i>	
	254.	<i>Setipinna phasa</i>	
	255.	<i>Bengala elonga</i>	
	256.	<i>Wallago attu</i>	
	257.	<i>Nandus nandus</i>	
	258.	<i>Amblypharyngodon mola</i>	
	259.	<i>Tor putitora</i>	NWB
	260.	<i>T. tor</i>	NWB
	261.	<i>Raiamas bola</i>	NWB
	262.	<i>Barilius vagra</i>	NWB
	263.	<i>Odontamblyopus rubicondus</i>	SWB
Arthropoda	264.	<i>Burmagomphus sivalikensis</i> -Sch. I	SWB, NWB
	265.	<i>Lyriothemis tricolor</i> -Sch. I	SWB, NWB
	266.	<i>Epiophlebia laidlawi</i> -Sch. I	SWB, NWB
	267.	<i>Carcinoscorpius rotundicauda</i>	SWB
	268.	<i>Tachypleus gigas</i>	SWB
	269.	<i>Gerenia bengalensis</i>	NWB
	270.	<i>Hypolimnas missipus</i>	EWB
	271.	<i>Lethe distans</i>	WB
Mollusca	272.	<i>Alycaeus lectus</i>	EWB
	273.	<i>Austenia annandalei</i>	EWB
Annelida	274.	<i>Scolioscolides bergtheili</i>	NWB

Ascription of a country (ies) of origin to any genetic resource is evidently related to the patterns of geographical distribution of living organisms. Genetic resource or species confined to a country/geographical region is considered as endemic to that country or region. In the applications of Intellectual Property Right (IPR) and patenting the genetic resources, documentation of endemic species in the country level is the most important function particularly for countries with rich biological diversity. Alfred (1998) provided an estimate of endemic faunal species of the country. According to that estimate percentage of endemic species in different animal groups varies from 1 to 100 percent. However, except for higher vertebrates, there has been no indepth and standard study of the enumeration of endemic taxa in India for various reasons. Varshney (1998) has focused some of these reasons with reference to insect groups which

appear to be true for other groups. Firstly, the number of genera and species to be handled is extremely large; secondly, there has still not been thorough surveys conducted for all groups in the country; thirdly, a good number of genera and species are “known from their original record only”, giving the impression that they are endemic there, which may or may not be true due to insufficient surveys; and fourthly the detail taxonomic studies of all orders and families occurring in India could not be completed for want of experts. Analysis of the fauna of West Bengal reveals that not only a substantial percentage of Indian endemic species occur in the state but also there are many species which are exclusively endemic to West Bengal. Some of the Indian endemic species occurring in the State have been listed in Table 25, and those which are confined within West Bengal along with main region of occurrence are shown in Table 26.

**Table-25** : Some Indian endemic species occurring in West Bengal alongwith main region of their occurrence in the state. (Abbreviations as in Table 24)

Group	Sl. No.	Species	Main region of occurrence
Mammals	1.	<i>Anathana ellioti</i>	SWWB
Aves	1a.	<i>Perdicula manipurensis</i>	NWB
	1b.	<i>Galloperdix lunulata</i>	NWB
Reptiles	2.	<i>Sitana ponticeriana</i>	EWB
	3.	<i>Psammophilus blanfordanus</i>	SWWB, SWB
	4.	<i>Japalura variegata</i>	NWB
Amphibia	5.	<i>Ichthyophis sikkimensis</i>	NWB
	6.	<i>Rhacophorus tuberculatus</i>	NWB
	7.	<i>Limnonectus mauphlangensis</i>	NWB
Pisces	8.	<i>Labeo gonius</i>	NWB
	9.	<i>Noemacheilus devdevi</i>	NWB
	10.	<i>N. multifascialus</i>	NWB
	11.	<i>Balitora brucei</i>	NWB
Arthropoda Coleoptera	12.	<i>Platyrhopalus denticornis</i>	SWB
	13.	<i>P. intermedius</i>	NWB
	14.	<i>Neocollyris attenuata</i>	NWB

Table-25 :Contd.

Group	Sl. No.	Species	Main region of occurrence
	15.	<i>N. distincta</i>	NWB
	16.	<i>N. fuscitarsis</i>	NWB
	17.	<i>Prothyma proxima</i>	SWWB
	18.	<i>Heptodonta nodicollis</i>	NWB
	19.	<i>Cicindela tetrastacta</i>	SWWB, SWB
	20.	<i>C. dromicoides</i>	NWB
	21.	<i>C. erudita</i>	NWB, SWB
	22.	<i>C. grammophora</i>	NWB, SWB
	23.	<i>C. ognata</i>	NWB
	24.	<i>C. albopunctata</i>	NWB
	25.	<i>C. bicolor</i>	EWB
	26.	<i>C. haemorrhoidalis</i>	SWB
	27.	<i>C. cyanea</i>	NWB
	28.	<i>C. striatifrons</i>	NWB
	29.	<i>Harpalus indicus</i>	NWB
	30.	<i>Dioryche nagpurensis</i>	EWB
	31.	<i>Oxycentrus parallelus</i>	SWWB, SWB
	32.	<i>Pachytrachelus cribiceps</i>	NWB
	33.	<i>Coleolissus perlucens</i>	SWWB
	34.	<i>Laccophilus anticatus</i>	SWB, WWB
	35.	<i>L. elegans</i>	WWB
	36.	<i>L. rufulus</i>	EWB
	37.	<i>Metheles indicus</i>	SWB
	38.	<i>Guignotus fulvescens</i>	SWWB
	39.	<i>G. regimberti</i>	SWB
	40.	<i>Clypeodytes bufo</i>	SWB
	41.	<i>C. indicus</i>	SWB
	42.	<i>Uvarus quadrilineatus</i>	SWB
	43.	<i>Hyphoprus oper</i>	SWWB, SWB
	44.	<i>H. bengalensis</i>	SWB, NWB
	45.	<i>Peschetius quadriscostaius</i>	SWWB
	46.	<i>Platynectes kashmirensis</i>	NWB
	47.	<i>Rhanthus ovalis</i>	NWB
	48.	<i>Cybister regulosus</i>	SWB
	49.	<i>Orectochilus similis</i>	SWB

Table-25 :Contd.

Group	Sl. No.	Species	Main region of occurrence
	50.	<i>O. productus</i>	EWB
	51.	<i>O. haemorrhous</i>	SWB
	52.	<i>O. fletcheri</i>	SWWB, SWB
	53.	<i>O. cylindricus</i>	SWWB
	54.	<i>O. cardoni</i>	SWB
	55.	<i>Haliphus prathii</i>	SWB
	56.	<i>Spercheus gibbus</i>	SWB
	57.	<i>Sphaeridium cameroni</i>	SWWB
	58.	<i>Pachysternum cardoni</i>	NWB
	59.	<i>P. stenvensi</i>	NWB
	60.	<i>Laccobius rotundatus</i>	SWB
	61.	<i>L. simulans</i>	NWB
	62.	<i>Helochares lentus</i>	SWWB, SWB
	63.	<i>Hydrophilus olivaceus</i>	SWWB
	64.	<i>H. rufocinctus</i>	SWB
	65.	<i>Hypocacculus malabaricus</i>	SWB
	66.	<i>Abraeus paria</i>	NWB
	67.	<i>Acritus tuberisternus</i>	NWB
	68.	<i>Platylomalus oblisus</i>	NWB
	69.	<i>Paraepierus corticicola</i>	NWB
	70.	<i>Platylister atratus</i>	SWB, NWB
	71.	<i>Atholus silvicola</i>	NWB
	72.	<i>Micropeplus sikkimi</i>	NWB
	73.	<i>Eupiestus sikkimi</i>	NWB
	74.	<i>Eleusis sikkimensis</i>	NWB
	75.	<i>Priochirus rubiginosus</i>	NWB
	76.	<i>P. longicornis</i>	NWB
	77.	<i>P. sikkimensis</i>	NWB
	78.	<i>Thoracochirus assamensis</i>	NWB
	79.	<i>Pseudopsis prolixa</i>	NWB
	80.	<i>Megarthus chatterjeei</i>	NWB
	81.	<i>M. Septempunctatus</i>	NWB
	82.	<i>M. basicornis</i>	NWB
	83.	<i>Anthobium sikkimi</i>	NWB
	84.	<i>Planeustomus bengalensis</i>	NWB

Table-25 : Contd.

Group	Sl. No.	Species	Main region of occurrence
	85.	<i>Oxytelopsis andrewesi</i>	NWB
	86.	<i>Anotylus laetus</i>	NWB
	87.	<i>A. frater</i>	NWB
	88.	<i>Osorius sikkimensis</i>	NWB
	89.	<i>Stenus sikkimensis</i>	NWB
	90.	<i>S. pictus</i>	NWB
	91.	<i>S. fistulosus</i>	NWB
	92.	<i>S. kurseonginus</i>	NWB
	93.	<i>Dianous annandalei</i>	NWB
	94.	<i>D. cameronii</i>	NWB
	95.	<i>D. versicolor</i>	NWB
	96.	<i>Stenoesthelus quadrisulcatus</i>	NWB
	97.	<i>Pinophilus depressus</i>	SWB
	98.	<i>Palaminus indicus</i>	NWB
	99.	<i>Oedichirus longipennis</i>	NWB, SWB
	100.	<i>Astenus asitus</i>	NWB
	101.	<i>A. flavipennis</i>	NWB
	102.	<i>A. terminalis</i>	NWB
	103.	<i>A. semibrunneus</i>	NWB, SWB
	104.	<i>A. concolor</i>	NWB
	105.	<i>Paederus himalayicus</i>	NWB
	106.	<i>P. nigripennis</i>	NWB
	107.	<i>P. conicollis</i>	SWB
	108.	<i>Acanthoglossus testaceipennis</i>	NWB, SWB
	109.	<i>Stilicopsis pallida</i>	NWB
	109a.	<i>S. indica</i>	NWB
	109b.	<i>Scopaeus andrewesi</i>	SWB
	110.	<i>S. germanus</i>	NWB
	111.	<i>Lobochilus granulicollis</i>	NWB
	112.	<i>L. fortepunctatus</i>	NWB
	113.	<i>Dibelonetes sikkimensis</i>	NWB
	114.	<i>Thinocharis debilis</i>	NWB
	115.	<i>Pachymedon shugnuensis</i>	NWB
	116.	<i>Lathrobium triste</i>	SWB
	117.	<i>L. unicolor</i>	NWB

Table-25 :Contd.

Group	Sl. No.	Species	Main region of occurrence
	118.	<i>Stilicus parvus</i>	NWB
	119.	<i>S. velutinus</i>	NWB
	120.	<i>Cryptobium sikkimense</i>	NWB
	121.	<i>C. fluviatile</i>	SWB
	122.	<i>Stiliderus umbratus</i>	NWB
	123.	<i>Indoscitalinus dispilus</i>	
	124.	<i>Platyprosopus fuliginosus</i>	SWB
	125.	<i>Philonthus industanus</i>	NWB
	126.	<i>Diceros childreni</i>	SWB
	127.	<i>Rhomborrhina glaberrima</i>	NWB
	128.	<i>Heterorrhina punctatissima</i>	NWB
	129.	<i>H. nigratarsis</i>	NWB
	130.	<i>Trigonophorus scintillans</i>	NWB
	131.	<i>Protaetia aurichalcea</i>	SWB
	132.	<i>P. peregrina</i>	NWB
	133.	<i>P. neglecta</i>	NWB
	134.	<i>Oxycetonia jucunda</i>	NWB, SWB
	135.	<i>Chiloloba acuta</i>	NWB
	136.	<i>Clinteria spilota</i>	NWB, SWB
	137.	<i>Cymophorus pulchellus</i>	SWB
	138.	<i>Heteronychus annulatus</i>	SWB
	139.	<i>Parastasia ochracea</i>	NWB
	140.	<i>Spilopopillia sexguttata</i>	NWB
	141.	<i>Mimela horsfieldi</i>	NWB
	142.	<i>M. globosa</i>	NWB
	143.	<i>M. marginalis</i>	SWB
	144.	<i>Anomala dorsalis</i>	
	145.	<i>A. aegrota</i>	NWB
	146.	<i>A. fulviventris</i>	NWB
	147.	<i>A. signaticollis</i>	NWB
	148.	<i>A. xanthoptera</i>	NWB
	149.	<i>A. crythroptera</i>	NWB
	150.	<i>A. pusilla</i>	NWB
Ephemeroptera	151.	<i>Claeon variegatum</i>	NWB, SWB
	152.	<i>Gilliesia hindustanica</i>	NWB



Table-25 : Contd.

Group	Sl. No.	Species	Main region of occurrence
Odonota	153.	<i>Aciagrion olympicum</i>	NWB
	154.	<i>Agriocnemis lacteola</i>	NWB, SWB
	155.	<i>A. splendidissima</i>	NWB, SWB
	155a.	<i>A. aborensis</i>	NWB, SWB
	156.	<i>Coeliccia renifera</i>	WWB
	157.	<i>Calicnemia miniata</i>	SWWB, NWB
	158.	<i>Ceylonolestes cyanea</i>	NWB
	159.	<i>Lestes thoracica</i>	
	160.	<i>Philoganga montana</i>	NWB
	161.	<i>Rhinocypha bifasciata</i>	NWB
	162.	<i>R. immaculata</i>	NWB
	163.	<i>R. trifasciata</i>	
	164.	<i>R. bifenestrata</i>	NWB
	165.	<i>R. unimaculata</i>	NWB
	166.	<i>Anisopleura lestoides</i>	
	167.	<i>A. comes</i>	NWB
	168.	<i>Allogaster latifrons</i>	NWB
	169.	<i>Jagoria martini</i>	NWB
	170.	<i>Cephalaeschna orbifrons</i>	NWB
	171.	<i>C. masoni</i>	NWB
	172.	<i>Gynacanthaeschna sikkima</i>	NWB
	173.	<i>Periaeschna magdalena</i>	NWB
	174.	<i>Gymacantha albistyla</i>	NWB
	175.	<i>Polycanthagyna erythromeles</i>	NWB
	176.	<i>Perissopgpmphus stevensi</i>	NWB
	177.	<i>Burmagomphus sivalikensis</i>	NWB
	178.	<i>Platygomphus dolobralus</i>	
	179.	<i>Anisogomphus occipitalis</i>	NWB
	180.	<i>A. bivittatus</i>	NWB
	181.	<i>A. arites</i>	NWB
	182.	<i>Stylogomphus inglisi</i>	NWB
	183.	<i>Onychogomphus aureus</i>	NWB
	184.	<i>Epophthalmia vittata</i>	NWB
185.	<i>Macromia flavicineta</i>		
186.	<i>Pseudotrimea prateri</i>	NWB	
187.	<i>Bradinopyga geminata</i>	NWB, SWB	

Table-25 :Contd.

Group	Sl. No.	Species	Main region of occurrence
Plecoptera	188.	<i>Amphinemoura luteipes</i>	NWB
	189.	<i>Gibosia needhami</i>	NWB
	190.	<i>Neoperla limosa</i>	NWB
	191.	<i>Cryptoperla torva</i>	NWB
Orthoptera	192.	<i>Eucriotellix dohertyi</i>	NWB
	193.	<i>Hebardittix quadratus</i>	NWB
	194.	<i>Loxilobus assamus</i>	NWB
	195.	<i>Synalibas perplexus</i>	NWB
	196.	<i>Thoradonta pruthii</i>	SWB
	197.	<i>Bolivaritettix dubius</i>	NWB
	198.	<i>B. laticeps</i>	NWB
	199.	<i>B. sikkimensis</i>	NWB
	200.	<i>Hyboella conioptica</i>	NWB
	201.	<i>H. obesa</i>	NWB
	202.	<i>H. tentata</i>	NWB
	203.	<i>Teredorus frontalis</i>	NWB
	204.	<i>Xistrella dromadaria</i>	NWB
	205.	<i>X. inermis</i>	NWB
	206.	<i>Paratettix rotundatus</i>	V
	207.	<i>Velarifictorus sikkimensis</i>	NWB
	208.	<i>Gyllodes sigillatus</i>	SWWB, SWB
	209.	<i>Loxoblemmus macrocephalus</i>	NWB
	210.	<i>L. nigriceps</i>	NWB
	211.	<i>Pteronemobius pantelchopardorum</i>	NWB
	212.	<i>Cacoplistes rogenhoferi</i>	NWB, SWB
	213.	<i>Holopercna darjeelingensis</i>	NWB
	214.	<i>Chondronotulus bengalensis</i>	
	215.	<i>Epistaurus sinetyi</i>	SWB, SWWB,
216.	<i>Peripolus pedarius</i>	NWB	
217.	<i>Eupreponotus inflatus</i>	NWB, SWB	
218.	<i>Paraconophyma scabra</i>	SWWB	
219.	<i>Sanna regalis</i>	NWB	
220.	<i>Eucocephalus incertus</i>	SWWB	
Dermaptera	221.	<i>Paradipplatys gladiator</i>	SWB, NWB
	222.	<i>Diplatys sinuatus</i>	NWB
	223.	<i>Haplodiplatys rileyi</i>	NWB
	224.	<i>H. rufescens</i>	
	225.	<i>Euborellia annandalei</i>	NWB

Table-25 : Contd.

Group	Sl. No.	Species	Main region of occurrence
	226.	<i>Antisolabis formicoides</i>	NWB
	227.	<i>Forc ipula indica</i>	NWB
Dictyoptera	228.	<i>Trichoblatta sericea</i>	NWB
	229.	<i>Stictolampra plicta</i>	EWB
	230.	<i>Panesthia regalis</i>	NWB
Mantodea	231.	<i>Anaxarcha acuta</i>	NWB
	232.	<i>Ephestiasula amoena</i>	SWB
	233.	<i>Heliomantis elegans</i>	NWB
	234.	<i>Hestiasula inermis</i>	NWB
	235.	<i>Creobroter apicallis</i>	SWB
	236.	<i>Dysaules longicollis</i>	
	237.	<i>Leptomantis indica</i>	NWB
	238.	<i>L. montana</i>	NWB
	239.	<i>Heterochaetula tricolor</i>	SWB
	240.	<i>Parananomantis brevis</i>	SWB
	241.	<i>Amantis subirina</i>	NWB
	242.	<i>A. biroi</i>	SWB
	243.	<i>Gonypetyllis semuncialis</i>	SWB
	244.	<i>Hierodula butleri</i>	NWB
	245.	<i>Aethalochroa ashmoliana</i>	NWB
Psocoptera	246.	<i>Granthakita cuttackae</i>	SWB
	247.	<i>Pachytroctes georgi</i>	SWB
Hemiptera	248.	<i>Machaerota planitiae</i>	SWB
	249.	<i>Eugnathodus ocellatus</i>	NWB
	250.	<i>Halotrichosiphum rusellae</i>	NWB
	251.	<i>Pseudoastegopteryx himalayensis</i>	NWB
	252.	<i>Pemphigus vulgaris</i>	NWB
Diptera	253.	<i>Microtytum strigatum</i>	NWB
	254.	<i>M. trimelas</i>	NWB
	255.	<i>Simulium tenuistylum</i>	NWB
	256.	<i>S. dentatum</i>	NWB
Lepidoptera	257.	<i>Pseudopanthera himalayica</i>	NWB
	258.	<i>Boarmia diversicolor</i>	NWB
	259.	<i>B. atrostipata</i>	NWB
	260.	<i>Apocalypsis velox</i>	NWB
	261.	<i>Campsogene masoni</i>	NWB
	261a.	<i>Oxyambalyx matti</i>	NWB
	262.	<i>Anambulyx elwesi</i>	NWB
	263.	<i>Punacra moseri</i>	NWB

Table-25 : Contd.

Group	Sl. No.	Species	Main region of occurrence
Acari	264.	<i>Euteranychus maximae</i>	SWB
	265.	<i>Oligonychus magniferus</i>	EWB
	266.	<i>Malconothrus assamensis</i>	SWB
	267.	<i>Basilobelba indica</i>	EWB
Mollusca	268.	<i>Parreysia lima</i>	NWB
	269.	<i>Pisidium atkinsonianum</i>	NWB
	270.	<i>Sphaerium indicum</i>	NWB
	271.	<i>Cyclophorus aurora</i>	NWB
	272.	<i>C. polynea</i>	SWB
	273.	<i>Theobaldius phaenolopicus</i>	NWB
	274.	<i>Clithon reticularis</i>	SWB
	275.	<i>Scaphula celox</i>	SWB
	276.	<i>Macrochlamys petrosa</i>	SWB, SWWB
	277.	<i>Pterocyclus rupestris</i>	NWB
Rotifera	278.	<i>Lecane lateralis</i>	-
	279.	<i>L. pawlowski</i>	-
Annelida			
Oligochaeta	280.	<i>Dero indica</i>	SWWB, NWB
	281.	<i>Branchiodrilus semperi</i>	EWB
Porifera	282.	<i>Corvospongilla lapidosa</i>	SWB
	283.	<i>C. caunteri</i>	
Cnidaria	284.	<i>Edwardsia jonesli</i>	SWB
	285.	<i>E. tinctorix</i>	SWB
	286.	<i>Pelocoetes exul</i>	SWB
	287.	<i>Phytocoetes gangeticus</i>	SWB
	288.	<i>Nevadne glauca</i>	SWB
	289.	<i>Diadumene schilleriana</i>	SWB
	290.	<i>Paracondylactis indica</i>	SWB
Plants			
	291.	<i>Agrostris brachiata</i>	-
	292.	<i>A. sikkimensis</i>	NWB
	293.	<i>A. triaristata</i>	NWB
	294.	<i>Arundinella decempedalis</i>	NWB
	295.	<i>Bambusa balcooa</i>	NWB
	296.	<i>Dendrocalamus petellaris</i>	NWB
	297.	<i>Festuca leptopogon</i>	NWB
	298.	<i>Alysicarpu homosus</i>	EWB
	299.	<i>Cajanus villosus</i>	NWB
	300.	<i>Dysolobium tetragonum</i>	NWB

**Table-26** : Some species exclusively endemic to West Bengal with region of their main occurrence. Abbreviations as in Table 24.

Group	Sl. No.	Species	Main region of occurrence
Mammals	1.	<i>Herpestes palustris</i>	SWB
Reptiles	2.	<i>Oligodon juglandifer</i>	NWB
Amphibia	3.	<i>Bufo abatus</i>	NWB
	4.	<i>Megophryus robusta</i>	NWB
	5.	<i>Rana senchalensis</i>	NWB
	6.	<i>R. annandalii</i>	NWB
	7.	<i>Rhacophorus jerdonii</i>	NWB
	8.	<i>R. dubius</i>	NWB
Pisces	9.	<i>Puntius dukai</i>	NWB
Arthropoda Strepsiptera	10.	<i>Trizocera pugipenis</i>	-
Coleoptera	11.	<i>Omoglymmius darjeelingensis</i>	NWB
	12.	<i>Heptodonta kraatzi</i>	NWB
	13.	<i>Cicindela seriepunctata</i>	NWB
	14.	<i>C. oberthuri</i>	NWB
	15.	<i>Amblystomus bivittatus</i>	SWB
	16.	<i>Chydaeus obscurus</i>	NWB
	17.	<i>Laceophilus kempi</i>	NWB
	18.	<i>Hydraena tenjikuana</i>	NWB, SWB
	19.	<i>H. wittmeri</i>	NWB
	20.	<i>Coelostoma subditum</i>	SWB
	21.	<i>Crenitis orientalis</i>	NWB
	22.	<i>Saprinus chalcites</i>	NWB
	23.	<i>Chaetabraeus fakir</i>	NWB
	24.	<i>Cypturus bengalensis</i>	SWB
	25.	<i>Apobletes bengalensis</i>	NWB
	26.	<i>Hyposotenus bengalensis</i>	NWB
	27.	<i>Chronus scaliformis</i> '	NWB, SWB
	28.	<i>Hister pullatus</i>	SWB
	29.	<i>Santalus parallelus</i>	SWB
	30.	<i>Micropeplus vulcanus</i>	NWB
	31.	<i>Apatetica sikkmi</i>	NWB
	32.	<i>Eupiestus angulatus</i>	NWB
	33.	<i>Siogonium indicum</i>	NWB
	34.	<i>Holusus rugipennis</i>	NWB

Table-26 :Contd.

Group	Sl. No.	Species	Main region of occurrence
	35.	<i>H. lopchuensis</i>	NWB
	36.	<i>Thoracophorus montanus</i>	NWB
	37.	<i>Eleusis speculifer</i>	NWB
	38.	<i>E. rotundiceps</i>	NWB
	39.	<i>E. persimilis</i>	NWB
	40.	<i>Priochirus bengalensis</i>	NWB
	41.	<i>P. micrognathus</i>	NWB
	42.	<i>P. eucerus</i>	NWB
	43.	<i>P. gardneri</i>	NWB
	44.	<i>Thoracochirus denticollis</i>	NWB
	45.	<i>Tetradelus trigonuroides</i>	NWB
	46.	<i>Trogophloeus calcuttanus</i>	SWB
	47.	<i>Oxytelopsis bengalensis</i>	NWB
	48.	<i>Oxytelus punctipennis</i>	NWB
	49.	<i>Anotylus gardneri</i>	NWB
	50.	<i>Bledius suravius</i>	SWB
	51.	<i>B. totias</i>	NWB
	52.	<i>B. torsius</i>	NWB
	53.	<i>B. baltus</i>	NWB
	54.	<i>Osorius gardneri</i>	NWB
	55.	<i>O. lopchuensis</i>	NWB
	56.	<i>Mimogonus niger</i>	NWB
	57.	<i>Oxyporus excellens</i>	NWB
	58.	<i>O. terminalis</i>	NWB
	59.	<i>O. tricolor</i>	NWB
	60.	<i>Stenus vorticosus</i>	NWB
	61.	<i>S. confluens</i>	NWB
	62.	<i>S. obliterated</i>	NWB
	63.	<i>S. lopchuensis</i>	NWB
	64.	<i>S. mangpuensis</i>	NWB
	65.	<i>S. separandus</i>	NWB
	66.	<i>S. pseudopictus</i>	NWB
	67.	<i>Dianous championi</i>	NWB
	68.	<i>D. obliquenotatus</i>	NWB
	69.	<i>D. adjacens</i>	NWB

Table-26 : Contd.

Group	Sl. No.	Species	Main region of occurrence
	70.	<i>D. wittmeri</i>	NWB
	71.	<i>Edaphus binodulus</i>	NWB
	72.	<i>E. brevipennis</i>	NWB
	73.	<i>Aulacosthaetus indicus</i>	NWB
	74.	<i>Pinophilus indicus</i>	SWB
	75.	<i>Astenus bisalicus</i>	NWB
	76.	<i>A. gracilentus</i>	NWB
	77.	<i>Paederus atrocyaneus</i>	NWB
	78.	<i>P. hingstoni</i>	NWB
	79.	<i>Scopaeus bicuspis</i>	SWB
	80.	<i>Sclerochiton indicus</i>	NWB
	81.	<i>Lobochilus brachypterus</i>	NWB
	82.	<i>L. labralis</i>	NWB
	83.	<i>L. brevipennis</i>	NWB
	84.	<i>Dibelonetus bhaumiki</i>	NWB
	85.	<i>Charichirus immaculatus</i>	NWB
	86.	<i>Dolicaon longipennis</i>	SWB
	87.	<i>Leptacinus aethiops</i>	NWB
	88.	<i>Pachycorynus niger</i>	NWB
	89.	<i>Mitimorphus brevipennis</i>	NWB
	90.	<i>M. brachypterus</i>	NWB
	91.	<i>Xantholinus oeneus</i>	NWB
	92.	<i>X. ruficaudatus</i>	NWB
	93.	<i>Gauropterus marginalis</i>	NWB
	94.	<i>Othius monticols</i>	NWB
	95.	<i>Philonthus rupicola</i>	NWB
	96.	<i>Macronota westoodi</i>	NWB
	97.	<i>M. nigricollis</i>	NWB
	98.	<i>Rhomborrhina microcephala</i>	NWB
	99.	<i>R. mearesi</i>	NWB
	100.	<i>Heterorrhina dispar</i>	NWB
	101.	<i>Trigonophorus saundersi</i>	NWB
	102.	<i>Coenochilus cambelli</i>	NWB
	103.	<i>Eupatorus hardwickei</i>	NWB
	104.	<i>Anomata siligurio</i>	NWB



Table-26 :Contd.

Group	Sl. No.	Species	Main region of occurrence
Thysanura	105.	<i>Tricholepisma gravelyi</i>	SWWB
	106.	<i>Atelura typhioponsis</i>	NWB
	107.	<i>Stylifera wygodzinskyi</i>	SWB, SWWB
Ephemeroptera	108.	<i>Baetis tigroides</i>	NWB
	109.	<i>B. thurbonis</i>	NWB
	110.	<i>B. solitarius</i>	NWB
	111.	<i>Pseudocloeon inopinum</i>	NWB
	112.	<i>Coenis pica</i>	SWB
	113.	<i>C. piscina</i>	SWB
	114.	<i>Ecdyonurus bengalensis</i>	NWB
	115.	<i>Isca purpurea</i>	
Odonata	116.	<i>Himalagrion exclamationis</i>	NWB
	117.	<i>Drepanosticta polychromatica</i>	NWB
	118.	<i>Caconeura o' doneli</i>	-
	119.	<i>Orolestes selysi</i>	-
	120.	<i>Rhinocypha cuneata</i>	NWB
	121.	<i>Allogaster hermionae</i>	NWB
	122.	<i>Periaeschna unifasciata</i>	NWB
	123.	<i>Gynacantha o'doneli</i>	SWB
	124.	<i>G. rammohni</i>	SWB
	125.	<i>Gamphidia williamsoni</i>	NWB
	126.	<i>Macrogomphus seductus</i>	NWB
	127.	<i>Burmagomphus hasimaricus</i>	NWB
	127a.	<i>Gomphus o'doneli</i>	NWB
	127b.	<i>Megalogomphus flavicolor</i>	NWB
	128.	<i>Lamelligomphus risi</i>	NWB
	129.	<i>Onychogomphus M-flavum</i>	NWB
	130.	<i>O. duaricus</i>	NWB
	131.	<i>Macromia pallida</i>	NWB
	132.	<i>M. flavovittata</i>	NWB
	133.	<i>Idionys stevensi</i>	NWB
Plecoptera	134.	<i>Amphinemoura elegans</i>	NWB
	135.	<i>A. pulchera</i>	NWB
	136.	<i>Indonemouria indica</i>	NWB
	137.	<i>I. shergaoni</i>	NWB

Table-26 :Contd.

Group	Sl. No.	Species	Main region of occurrence
	138.	<i>Nemoura magnicauda</i>	NWB
	139.	<i>Neoperla lushana</i>	NWB
	140.	<i>N. montivaga</i>	NWB
	141.	<i>Perla xenocia</i>	NWB
Orthoptera	142.	<i>Oxyphyllum pennatum</i>	NWB
	143.	<i>Epitettix elytratus</i>	NWB
	145.	<i>Indoscelimena angulasta</i>	SWB
	146.	<i>I. flavopicta</i>	SWB
	147.	<i>I. saussurei</i>	SWB
	148.	<i>Eucriotettix aequalis</i>	NWB
	149.	<i>Hebarditettix lobatus</i>	NWB
	150.	<i>Synalibs vagans</i>	NWB
	151.	<i>Bolivaritettix ghumtianus</i>	NWB
	152.	<i>B. singlaensis</i>	NWB
	153.	<i>Systolederus graveli</i>	NWB
	154.	<i>Teredorus carmichaeli</i>	NWB
	155.	<i>Ergatettix callosus</i>	NWB
	156.	<i>Hedotellix grossus</i>	NWB
	157.	<i>Paratettix alatus</i>	NWB
	158.	<i>Saussurella indica</i>	NWB
	159.	<i>Teleogryllus himalayanus</i>	NWB
	160.	<i>Melanogryllus carmichaeli</i>	NWB
	161.	<i>Callogryllus pallidus</i>	NWB
	162.	<i>Gryllopsis pubescens</i>	NWB
	163.	<i>Nemobiodes sukhadae</i>	NWB
	164.	<i>Pteronemobius rufipes</i>	NWB
	165.	<i>Scottiola diverna</i>	NWB
	166.	<i>S. elongata</i>	NWB
	167.	<i>Speonemobius decolyi</i>	NWB
	168.	<i>Speonemobius annandalei</i>	NWB
	169.	<i>Paratrignidium unifasciatum</i>	NWB
	170.	<i>Madasumma graveleyi</i>	NWB
	171.	<i>Dnopherula physopoda</i>	NWB
	172.	<i>D. rubripes</i>	NWB
	173.	<i>Meristopteryx rotundata</i>	NWB

Table-26 : Contd.

Group	Sl. No.	Species	Main region of occurrence
	174.	<i>Cercopephalus indica</i>	NWB
	175.	<i>Catantops erubescens</i>	NWB
	176.	<i>Gerania bengalensis</i>	NWB
	177.	<i>Diplatys brindlei</i>	NWB
	178.	<i>Haplodiptalys kurseongensis</i>	NWB
	179.	<i>H. bidentatus</i>	NWB
	180.	<i>H. lobatus</i>	NWB
	181.	<i>Anisolabis bhowmiki</i>	NWB
	182.	<i>Paralabella fulleri</i>	NWB
	183.	<i>Apovostox burri</i>	NWB
	184.	<i>Chaetospania kurseongae</i>	NWB
Mantodea	185.	<i>Cimantis fumosa</i>	NWB
	186.	<i>C. testacea</i>	NWB
Psocoptera	187.	<i>Liposcelis bengalensis</i>	NWB
	188.	<i>Tapinella fasciata</i>	SWWB
	189.	<i>Caecilius bengalensis</i>	NWB
	190.	<i>C. persimularis</i>	NWB
	191.	<i>Dypsocus fucosus</i>	NWB
	192.	<i>Stenopsocus pallidus</i>	NWB
	193.	<i>Amphipsocus heterothrix</i>	NWB
	194.	<i>Ectopsoeus ramburi</i>	SWB
	195.	<i>E. bengalensis</i>	SWB
	196.	<i>E. cinclus</i>	NWB, SWB
	197.	<i>Peripsocus sinensis</i>	NWB
	198.	<i>P. anoplus</i>	NWB, SWB
	199.	<i>P. scierotus</i>	SWB
	200.	<i>P. bhaktae</i>	NWB
	201.	<i>Heterocaecilius fuscipalpus</i>	NWB
	202.	<i>Allocaecilius heterothorax</i>	NWB
	203.	<i>Psococerastis asiatica</i>	SWB
204.	<i>Myopsicus pattoni</i>	NWB	
Diptera	205.	<i>Ammophilomima rufescens</i>	SWB
	206.	<i>Leptogaster ophionea</i>	SWB
	207.	<i>Laphlria furva</i>	NWB
	208.	<i>L. gilvoides</i>	NWB
	209.	<i>Laphystia indica</i>	NWB
	210.	<i>Maria bicolor</i>	NWB
	211.	<i>Nusa bengalensis</i>	NWB
	212.	<i>N. mukherjeei</i>	NWB

Table-26 :Contd.

Group	Sl. No.	Species	Main region of occurrence
	213.	<i>Microstylum apicale</i>	NWB
	214.	<i>Oldroydia scatophogoides</i>	NWB
	215.	<i>S. nigrofasciatus</i>	NWB
	216.	<i>Damolis claripennis</i>	NWB
	217.	<i>Stchopogon bengalensis</i>	NWB
	218.	<i>S. menoni</i>	NWB
	219.	<i>Ommatius bengalensis</i>	NWB
	220.	<i>O. gopalpurensis</i>	SWB
	221.	<i>O. singlensis</i>	NWB
	222.	<i>O. subgracilis</i>	NWB
	223.	<i>Astochia femorata</i>	NWB
	224.	<i>Heligmoneura bengalensis</i>	NWB
	225.	<i>H. chaetoprocta</i>	SWB
	226.	<i>H. yenpingensis</i>	NWB
	227.	<i>Hoplopheromerus armatipes</i>	NWB
	228.	<i>Machimus infraferoralis</i>	NWB
	229.	<i>Neoitamus bengalensis</i>	SWB
	230.	<i>N. calcuttaensis</i>	NWB
	231.	<i>Nemochtherus himalayensis</i>	NWB
	232.	<i>Simulium dasguptai</i>	NWB
	233.	<i>S. ghoomense</i>	NWB
	234.	<i>S. gracile</i>	NWB
	235.	<i>S. nemorivagum</i>	NWB
	236.	<i>S. praelargum</i>	NWB
	237.	<i>S. purii</i>	NWB
	238.	<i>S. darjeelingense</i>	NWB
	239.	<i>S. asishi</i>	NWB
	240.	<i>S. biforamiferum</i>	NWB
	241.	<i>S. nigrifacies</i>	NWB
	242.	<i>S. tenuitarsus</i>	NWB
	243.	<i>Diamesa bicornipes</i>	NWB
	244.	<i>D. edentisyla</i>	SWWB, SWB
	245.	<i>Ablabesmyia alba</i>	SWWB, SWB
	246.	<i>A. ensiceps</i>	NWB
Lepidoptera	247.	<i>Gastropocha divaricata</i>	NWB
	248.	<i>Kosala flavosignata</i>	NWB
	249.	<i>Metanastria lineata</i>	NWB

Table-26 :Contd.

Group	Sl. No.	Species	Main region of occurrence
	250.	<i>M. obliquifascia</i>	NWB
	251.	<i>Arguda bheroba</i>	NWB
	252.	<i>Cosmotricha lidderdalii</i>	NWB
	253.	<i>Dasychir cymata</i>	NWB
	254.	<i>D. perdix</i>	NWB
	255.	<i>D. bhana</i>	NWB
	256.	<i>Aroa ochracea</i>	SWB
	257.	<i>Cyllogenes suradeva</i>	NWB
	258.	<i>Syntomis luciana</i>	SWB
	259.	<i>S. insueta</i>	SWB
Hemiptera	260.	<i>Tricentrus cinereus</i>	SWB
	261.	<i>T. dubius</i>	SWB
	262.	<i>Gargara brevis</i>	SWB
Acari	263.	<i>Olgonychus sapienticolis</i>	NWB
	264.	<i>Schizotetranychus cajani</i>	NWB
	265.	<i>Colopodacus combretus</i>	SWB
	267.	<i>Cosella ichnocarpasia</i>	SWB
	268.	<i>Epicecidophyes clerodendris</i>	SWB
	269.	<i>Allonothrus indicus</i>	SWB
	270.	<i>Heterobelba restrata</i>	NWB
Mollusca	271.	<i>Alycaeus lectus</i>	NWB
	272.	<i>Tanysiphon rivalis</i>	SWB
	273.	<i>Pupilla barrackporensis</i>	SWB
	274.	<i>Succinea crassinuclea</i>	SWB
Rotifera	275.	<i>Lecane vaishti</i>	-
	276.	<i>Lepadella triprojectus</i>	-
	277.	<i>Ptygura stephanion</i>	-
	278.	<i>Rotaria ovata</i>	-
Phoronida	279.	<i>Phoronis bhadurii</i>	SWB
Bryozoa	280.	<i>Membranipora hugliensis</i>	SWB
Porifera	281.	<i>Eunapis calcuttanus</i>	NWB, SWB
Plants	282.	<i>Acer osmastonii</i>	-
	283.	<i>Bulbophyllum roxburghii</i>	-
	284.	<i>Cardenthera uliginosa</i> var. <i>birbhumensis</i>	SWWB
	285.	<i>Cuscata sharmanum</i>	SWB
	286.	<i>Hydrocotyle himalayica</i>	NWB
	287.	<i>Hypericum assamcum</i>	NWB
	288.	<i>Dalbergia duarensis</i>	NWB

The state also contains a large number of floral and faunal species which deserve special mention owing to their taxonomic, evolutionary, distributional, economic, medicinal and other significance.

There are at least 15 species of carnivorous plants belonging to the genera *Drosera*, *Aldrovanda* and *Utricularia* found within the limit of the state.

A number of primitive flowering plants and animals occur in the state which serve as evolutionary link and often considered as living fossils. Among plants *Betula alnoides*, *Magnolia* sp., *Actinodaphne angustifolia*, *Exbucklandia populnea* while among animals *Carcinosepius rotundicanda*, *Tachypleus gigas*, *Epiophelbia laidlawi*, *Trilototriton verrucosus* are notable in this aspect.

West Bengal, particularly the northern part contributes significantly to the conservation of the world's genetic resources by way of harbouring a number of monotypic families and genera. Hippocastanaceae (*Aesculus assamica*), Stachyuraceae (*Stachyurus himalaicus*), Rhizophoraceae (*Caralia integmma*), Datisceae (*Tetrameles nudiflora*), Sonneretiaceae (*Duabanga grandiflora*), Scrophulariaceae (*Wrightia gigantea*), Proleaceae (*Helicia erratica*), Hamamelidaceae (*Exbucklandia populnea*) are few monotypic families of the state. At least 517 dicot and 171

monocot monotypic genera are also represented in the region. A large number of monotypic faunal genera such as *Anathana*, *Scotozous*, *Cuon*, *Melursus*, *Ailurus*, *Arctonyx*, *Mellivora*, *Arctogalidia*, *Paguma*, *Lutrogale*, *Neofelis*, *Hyaena*, *Pardofelis*, *Elephas*, *Cannomys*, *Nesokia*, *Caprolagus* (all mammals), *Netta*, *Butastur*, *Hydrophasianus*, *Metopidius*, *Philomachus* (all birds), *Catla*, *Rhinomugil* (Fish), *Oxyphyllum*, *Melanogryllus*, *Condronotulus*, *Meristopteryx* (Orthoptera), *Nevadne* (Cnidaria) and many others are also found. As there are no closely related genomes of these genera anywhere in the world, their conservation is of special significance.

Many of the species and genera occurring in the state exhibit extreme discontinuity in distribution. They occur in Penninsular south or West or even in Sri Lanka and other continent with an extensive intervening areas totally without them. Some examples of such discontinuous distribution have been shown in Table 27. There are also a large number of floral and faunal forms which are mostly confined to West Bengal and further north-east but do not enter the Peninsular India. This phenomenon is best exemplified by the distribution of Mammalian families, genera and species such as Rhinocerotidae, *Euroscaptor*, *Megaerops niphanae*, *Microtus sikkimensis*, *Cannymys badius*, etc.

**Table-27** : Showing some discontinuously distributed faunal element (species and genera) of the state.

Group	Sl.No	Species/Genera	Region of occurrence
Porifera	1.	<i>Corvospongilla lapidosa</i>	W.B., Maharashtra
Annelida	2.	<i>Nais simplex</i>	W.B., Europe, N. America
	3.	<i>N. elinguis</i>	W.B., Europe
	4.	<i>Aelosoma bengalense</i>	W.B., Kerala, S. America
	5.	<i>Dero indica</i>	W.B., Andhra Pradesh, Karnataka
Mollusca	6.	<i>Succinea daucina</i>	W.B., Sri Lanka
Arthropoda			
Acari	7.	<i>Plateremaeus rotundus</i>	W.B., Indonesia

Table-27 : Contd.

Group	Sl. No.	Species/Genera	Region of occurrence
Hemiptera	8.	<i>Coccosterphus obscurus</i>	W.B., Sri Lanka
Lepidoptera	9.	<i>Crambus atkinsoni</i>	W.B., Sri Lanka, Myanmar
	10.	<i>Chartona consociella</i>	W.B., N. America
	11.	<i>Boarmia diversicolor</i>	W.B., Punjab
	12.	<i>Oxyambulyx matti</i>	W.B., Karnataka
Coleoptera	13.	<i>Guignotus fulvescens</i>	W.B., Nicobar
	14.	<i>Acritus pascuarum</i>	W.B., China
	15.	<i>A. tuberisternus</i>	W.B., Kerala
	16.	<i>Hypocacculus malabaricus</i>	W.B., Kerala
	17.	<i>Bacanius atomarius</i>	W.B., Honolulu
	18.	<i>Platylomalus oblisus</i>	W.B., Andamans
	19.	<i>Pachylister chinensis</i>	W.B., China
	20.	<i>Priochirus longicornis</i>	W.B., Tamill Nadu
	21.	<i>Trogophloeus simplex</i>	W.B., Sri Lanka, Australia
	22.	<i>Oxytelopsis andrewesi</i>	W.B., Tamil Nadu
	23.	<i>Stenus pictus</i>	W.B., Tamil Nadu
	24.	<i>S. fistulosus</i>	W.B., Tamil Nadu
	25.	<i>Palaminus indicus</i>	W.B., Tamil Nadu
	26.	<i>Astenus terminalis</i>	W.B., Tamil Nadu
	27.	<i>Scopaeus andrewesi</i>	W.B., Tamil Nadu
	28.	<i>S. germanus</i>	W.B., Tamil Nadu
	29.	<i>Anomala elata</i>	W.B., Tamil Nadu, Karnataka
Odonata	30.	<i>Macromia flavicineta</i>	W.B., Maharashtra
Orthoptera	31.	<i>Pteronemobius pantelchopardorum</i>	W.B., Kerala
	32.	<i>Dnopherula decisis</i>	W.B., Maharashtra
Mantodea	33.	<i>Ephestiasula amoena</i>	W.B., Tamil Nadu, Kerala
Amphibia	34.	<i>Ichthyophis</i>	W.B., N.E. India, Kerala
	35.	<i>Rana keralensis</i>	W.B., Kerala
Aves	36.	<i>Garrulax</i>	W.B., N.E. India, Peninsular India
Mammals	37.	<i>Ratufa</i>	W.B., N.E. India, Peninsular India
	38.	<i>Hemitragus</i>	W.B., Sikkim, Kerala
	39.	<i>Harpiocephalus harpia</i>	W.B., N.E. India, Tamil Nadu

Quite a large number of exotic floral and faunal species have become an important part of the natural biodiversity of the state. While some of them were brought by the human beings for some definite purpose, but many others got the entry without the direct intention of the people. Vast and rapid encroachment of few exotic species is gradually becoming a threat in many of the ecosystem, while many have been naturalized or commercially grown. Director, Botanical Survey of India (1997) provided the following concise list of major weed flora of the state indigenous to various countries and year of their first report from West Bengal in parenthesis.

1. **North America** : *Alternanthera pungens* (1966), *Calceolaria mexicana* (1954), *Cassia corymbosa* (1966), *C. laevigata* (1966), *Centrosema virginicum* (1970), *Eleutheranthera ruderalis* (1966), *Eupatorium adenphorum* (1966), *E. erythropappum* (1966), *E. ligustrum* (1970), *Gnaphalium purpurcum* (1881), *Hyptis pectinata* (1940), *Melichia pyramidata* (1969), *Nothosaerva brachiata* (1966), *Oxalis Latifolia* (1870), *O. maritima* (1969), *Parthenium hysterophorus* (1978), *Petiviero alliacea* (1961), *Pseudo-elephantopus spicatus* (1961), *Solanum glaucum* (1905), *Tithomia diversifolia* (1966), *Bromusunioloides* (1975), *Setaria paniculifera* (1970), *Argemone mexicana* (1903), *Malvastrum coromandelianum* (1903), *Malachra capitata* (1903), *Passiflora suberosa* (1903), *P. foetida* (1903), *Melochia pyramidota* (1969), *Erigeron karvinskianus* (1966), *Opuntia dillenii* (1903), *Neptunia plena* (1903).
2. **South America** : *Alternanthera ficoidea* (1964), *Boerhavia erecta* (1978), *Croton bonplandianum* (1905), *Gompherna celosioides* (1966), *Ipomoea carnea* (1978), *I. congesta* (1969), *I. fistulosa* (1966), *Solanum viarum* (1970), *Spermacace latifolia* (1976), *Turnera subulata* (1969), *Echinochloa craspavonia* (1970), *Eichornia*

*crassipes* (1928), *Paspalum dilatatum* (1976).

3. **Africa** : *Cleome rutidosperma* (1969), *Grossocephalum crepidioides* (1976), *Euphorbia chamaesyce* (1969), *Gisekia pharnacioides* (1976), *Hibiscus micranthus* (1966), *Indigofera spicata* (1969), *Ludwigia erecta* (1969), *L. hyssopifolia* (1966), *Micrococca mercurialis* (1966), *Mitracarpus verticillatus* (1979), *Brachiaria mutica* (1976), *Melinus minutiflora* (1970), *Rhynchelytrum villosum* (1980).
4. **Europe** : *Chrysanthemum leucanthemum* (1970), *Convolvulus arvensis* (1969), *Cuscuta campestris* (1966), *Lepidium ruderalis* (1970), *Rumex acetosella* (1969), *Senecio vulgaris* (1980), *Anthoxanthum odoratum* (1966), *Phalaris minor* (1975), *Lathyrus aphaca* (1903), *Vicia sativa* (1903), *Senebiera pinnatifida* (1903), *Alyssum maritimum* (1903), *Lepidium sativum* (1903).
5. **Malaysia and Australia** : *Cotula australis* (1969), *Dentella serpyllifolia* (1968), *Eryngium foetidum* (1979), *Ipomoea quinata* (1979), *Lobelia radicans* (1960), *Pseudarthia viscida* (1979), *Rothia trifoliata* (1966), *Digitaria adscendens* (1966), *D. prestii* (1960), *Polytrias amaura* (1960).
6. **China and Japan** : *Hydrangia macrophylla* (1966), *Viola thomsonii* (1916), *Primula malacoides* (1966).
7. **Western Asia** : *Euphorbia helioscopia* (1978), *Aeluropus lagopoides* (1965), *Capsella bursa-pastoris* (1903).

The major portion of the openwater interface of the unmanged waterbodies of the state are now occupied by exotic weeds mostly of South American origin. Among these *Eichhomia crassipes* and *Alternanthera philoxeroides* are fairly common in most of the waterbodies except in high altitudes. In addition to these *Sagittaria montividensis* occupies water edges of waste water canals. Free floating



aquatic weeds like *Salvinia molesta* and *S. cucullata* are also common in the brackish and nutrient rich water bodies. Submerged members of the family Hydrocharitaceae are mostly old-world species and considered as serious weedpest of the aquatic ecosystem of the state. *Cabomba caroliniana*, a strictly aquatic submerged weed introduced in India through aquarium plant and now becomes a part of the natural flora of the state.

A number of exotic spice species have enriched the state flora and exclusively cultivated. Among these Capsicum – *Capsicum annum* (America), Coriander – *Coriandrum sativum* (Mediterranean), Cumin – *Cuminum cyminum* (Levant), Carcuma – *Carcuma longa* (south east Asia), Fennel – *Foeniculum vulgare* (Mediterranean) are worth-mentioning. Gardens and avenues of the state are also flourished with variety of exotic ornamental floral species such as Snapdragon - *Antirrhinum majus* (North America), Bougainvillea - *Bougainvillea spectabilis* (South America), Croton - *Codiaeum variegatum* (North America), about 40 species of *Cactus* (Tropical America), Guldaudi - *Chrysanthemum indicum* (Japan), Gulmoho - *Delonix regia* (Madagascar), Larkspur - *Delphinium ajacia* (South Europe), Sunflower - *Helianthus annus* (North America), Champa - *Michelia champaca* (China), Surmaineel - *Indigofera articulata* (Egypt), Amarphal - *Monstera deliciosa* (Central America), Ipomea creeper *Mina lobata* (Mexico), Ashok - *Polyalthea longifolia* (Malaysia), Rajinigandha - *Polyanthes tuberosa* (Mexico), Gulab - *Rosa alba* (Turkey and Arab), etc.

Not much documentation has been made as regard the exotic invertebrate species of India or West Bengal. However, many of the invertebrate species particularly the arthropods are soil inhabiting animals and associated with agricultural crops, stored products and parasitic to other animals including migratory species of birds. As such, the chances of their

being transported/introduced from outside can not be ruled out. The study of Venkataraman, 1992 and Venkataraman and Das, 1993, 1994 (in Alfred and Nandi, 2001) revealed the occurrence of several temperate and palaeractic species of cladocera as detailed below in the flood plain wetlands of West Bengal. Migratory birds might have played significant role in the dispersal of Cladoceran species.

Exotic cladoceran species in West Bengal : *Daphnia similes*, *Diaphanosoma brachyurum*, *D. senegalensis*, *chydorus flavifrons*, *C. pubescens*, *Alona intermedia*, *A. rectangular*, *A. costata*, *Camptocercus australis*, *Pleuroxus similis*, *Grimaldina brazzai*, *Graptoleberis testudinaria*. *Leydigia australis*, *L. acanthocercoides*.

Country as well as the state of West Bengal have long history of introduction of exotic fish species for the purpose of bio-control, more production and adding glamour to the aquarium. The Gold fish - *Carassius auratus* and *C. carassius* which occur in nature all over China, Korea, Japan, Taiwan, and the Tench or shoemaker-*Tinca tinca* found in fresh water of Europe had been introduced as sport and ornamental fish. The Silver Carp, *Hypophthalmichthys molitrix*, a native of South and Central America was first brought to India from Japan in 1959. The consignment of Grass Carp-*Ctenopharhyngodon idella* (a riverine freshwater fish of Amur region) was brought to Kolkata in 1959. The Tilapia-*Oreochromis mossambica* (original home-East Coast of Africa) was brought to India in 1952 via Bangkok. The Gourami - *Osphronemus gorami* (natural habitats in Indonesia, Thailand, Malaysia and Vietnam) was introduced in Kolkata during the first half of nineteenth century via Java. The common Carp - *Cyprinus carpio* with three of its varieties (natural home China, Korea, Japan, Taiwan and Europe), Minnows-*Gambusia affinis*, *Poecilia reticulates* (naturally found in America), Thai Magur-*Clarias gariepinus* (Thailand) have been

introduced at different times for natural purposes. All the above species are well-established in the different aquatic ecosystems of the state as well as country. Some of exotic food fishes like Silver Carp, Grass Carp, Tilapia, Thai Magur, etc. have been incorporated in our composite fish culture and helped in enhancing aquaculture production in purely closed system. However, the exotic fish species may bring range of various diseases caused by bacteria, fungi, viruses, etc. The most virulent and menacing one threatening many species is the Epizootic Ulcerative Disease Syndrome (EUS). It has wiped out large populations of a number of native commercial and non-commercial species in West Bengal, and the rest of the country.

There are stray accidental introduction of exotic bird species in the state as well as country, chiefly concerned with the escaped imported pet birds like Javan Sparrow, but such individuals gradually exterminated from the wild within a short span after release. Until recently, before the trade restriction, there has been a considerable import of exotic bird species of family Psittacidae land Phasianidae mainly from southeast Asian countries, Australia, South America and Africa. Among the exotic species represented in captivity, Macacow, Coccatoe, Lory, Pheasants, Cocatil, etc., are very prominent.

At least two exotic mammalian species, *viz.*, House Mouse-*Mus musculus* and the Norway Rat-*Rattus norvegicus* have spread over throughout the country. The former species has been well-established in diverse habitats alongwith number of subspecies.

From the published accounts on ethnobotany of West Bengal more than 550 species are found to be used by the tribals either medicinal or for other economic purposes. Similarly, the biomedical properties of more and more faunal species are also being revealed. Leaving apart the role of species yielding food, fuel, timber, household accessories, fodder, fibre, wood, feather, paint and many others, opportunity

has been taken to focus the species of West Bengal with bio-medical potential, as pharmacological study on the bioresources of the state as well as of India is still in the initial stages.

Sponges have come to limelight in recent years on account of certain chemical compound they contain. Many of these chemicals have biomedical potentials and hence species of sponges are being screened for 'wonder drugs' Arabinose nucleosides extracted from *Tetya crypta* is now used in the treatment of blood cancers and certain malignant tumours. Sea anemones and jellyfish contain a number of antibiotics, useful in curing a variety of cellular and bone diseases. Two species of Horse-shoe crabs, *viz.*, *Carcinoscorpius rotundicauda* and *Tachypleus gigas*, are potential source of bioactive substances-Carcinoscorpius Amoebocyte Lysate (CAL) and Tachypleus Amoebocyte Lysate (TAL). These reagents are highly sensitive and use for the rapid and accurate assay of gram negative bacteria. Annelids are source of various valuable compounds which can be extracted from their bodies for treating variety of ailments like haemorrhoids, jaundice, rheumatism, etc. 'Hirudin' an extract from Leeches (*Hirudinaria* sp.) is being experimented in research to understand the mechanism of blood clotting. Venomous snake species are the source of antivenin and other medically important chemicals.

It has been said that each and every plant species contains medicinal properties. However, only a few of them have so far been brought under the commercial arena, a few more are being used almost in crude forms by the 'Baidyas' and 'Kabirajs', and a large number of them are so far used mainly by the tribals. An attempt has been made to provide a list of some of the plant species of the state having medicinal properties and which may be commercially exploited in a sustainable way (Table-28). However, the list is far from the complete.

**Table-28** : Some plant species of West Bengal having medicinal potential and their parts in use.

Sl. No.	Scientific name	Local name	Parts in use
1.	<i>Abelmoschus moschatus</i>	Muskdana	Seeds
2.	<i>Ambroma augusta</i>	Ulat Kambal	Whole
3.	<i>Acontium ferox</i>	Katbish	Root
4.	<i>Alpina galanga</i>	Kalanjan	Rizome
5.	<i>Acorus calamus</i>	Bach	Rhizome
6.	<i>Aloe vera</i>	Ghritakumari	Leaf
7.	<i>Atalantia missions</i>	Koklash	Fruit
8.	<i>Andrographis paniculata</i>	Kalmegh	Whole
9.	<i>Artemisia annua</i>	Vagdana	Whole
10.	<i>Argemone mexicana</i>	Sitalkanta	-
11.	<i>Abrus precatorius</i>	Lalgeri	-
12.	<i>Acacia pennata</i>	Arare Kanta	-
13.	<i>Aegale marmelos</i>	Bel	Fruit
14.	<i>Adhatoda zeylanica</i>	Vasaka	Leaf
15.	<i>Asparagus recemosus</i>	Satamuli	Root
16.	<i>Azadirachta indica</i>	Neem	Whole
17.	<i>Bargeris aristata</i>	Daruharida	Stem
18.	<i>Bixa orellana</i>	Latkan	Seed
19.	<i>Bacopa monnieri</i>	Brahmi	Leaf
20.	<i>Butea monosperma</i>	Palash	Seed, Flower
21.	<i>Boerhavia repens</i>	Punarnaba	Leaf
22.	<i>Berberis chitria</i>	-	Root
23.	<i>B. insignis</i>	-	Root
24.	<i>Bergenia ligutata</i>	-	Root
25.	<i>Centratherum authelminticum</i>	Somraj	Seed
26.	<i>Calendula sp.</i>	Calendula, Bhirngaraj	Whole
27.	<i>Cymbobogon sp.</i>	Lemon	Whole
28.	<i>Cannabis sativa</i>	Ganja	Whole
29.	<i>Cassia fistula</i>	Banar Lathi	Fruit
30.	<i>Cassia augustifolia</i>	Sonapata	Whole
31.	<i>Catharanthus roseus</i>	Nayantara	Whole
32.	<i>Cinchona sp.</i>	Cinchona	Bark
33.	<i>Curcuma domestica</i>	Halud	Rhizome

**Table-28 :Contd.**

Sl. No.	Scientific name	Local name	Parts in use
34.	<i>Croton tiglium</i>	Jayapala	Seed
35.	<i>Centella asiatica</i>	Thankuni	Leaf
36.	<i>Cordia dichotoma</i>	Boch	Seed
37.	<i>Datura sp.</i>	Dutro	Fruit
38.	<i>Digitalis sp.</i>	Fox Glove	Whole
39.	<i>Eclipta prostrata</i>	Keshut	Leaf
40.	<i>Entada phaseoloides</i>	-	Seed
41.	<i>Eupotarium triplinerve</i>	Ayapoma	Whole
42.	<i>Eupatorium adenophorum</i>	-	Whole
43.	<i>Emblica officinalis</i>	Amlaki	Fruit
44.	<i>Fagopyrum cymosum</i>	-	Seed
45.	<i>Glycyrrhiza glabra</i>	Jashtimadhu	Root
46.	<i>Gloriosa superba</i>	Bighalanguli	Seed, root
47.	<i>Gymnema sylvestris</i>	Merasingi	Leaf
48.	<i>Ginkgo biloba</i>	Ginko	Whole
49.	<i>Henidesmus indicus</i>	Ananatamul	Root
50.	<i>Hedera nepalensis</i>	-	Leaf, Seed
51.	<i>Hedyotis scandens</i>	-	Leaf root
52.	<i>Hedychium spicalum</i>	-	Root
53.	<i>Heracleum nepalense</i>	-	Root
54.	<i>Imperata arundinacca</i>	-	Root
55.	<i>Ipomoea digitata</i>	Bhuni Kumra	Tuber
56.	<i>Kaempferia galanga</i>	Aekangi	Rhizome
57.	<i>Lawsonia intermis</i>	Mehendi	Leaf
58.	<i>Mentha arrensis</i>	Pudina	Whole
59.	<i>Mucuna prusiens</i>	Alkushi	Seed
60.	<i>Mahonia nepalense</i>		Berries
61.	<i>Martynia annua</i>	Baghnok	Fruit
62.	<i>Nardostachys grandiflora</i>	Jatamansi	Root
63.	<i>Nyctanthes arbor-tristis</i>	Shiuli	Leaf
64.	<i>Ocimum sp.</i>	Tulsi	Whole
65.	<i>Plantago ovata</i>	Isafgul	Seed
66.	<i>Psoralea corzlifolia</i>	Babchi	Seed

Table-28 :Contd.

Sl. No.	Scientific name	Local name	Parts in use
67.	<i>Piper nigrum</i>	Gol Morich	Fruit
68.	<i>P. longum</i>	Pipal	Fruit
79.	<i>P. retrofractum</i>	Chai	Stem
70.	<i>P. mullesus</i>	Pahari pan	Fruit
71.	<i>Pelargonium graveolens</i>	-	Whole
72.	<i>Paederia foetida</i>	-	Leaf
73.	<i>Polygala arillata</i>	-	Root
74.	<i>Rauwolfia serpentina</i>	Sarpagandha	Root
75.	<i>R. tetraphylla</i>	-	Root
76.	<i>Rhododendron arboreum</i>	Rhododendron	Flower
77.	<i>Rubia cordifolia</i>	Manjishthha	Whole
78.	<i>Rheum emodi</i>	Bangala reperachini	Rhizome
89.	<i>Strychnos nuxvomica</i>	Kuchilla	Seed
80.	<i>Swertia chirayita</i>	Chirata	Whole
81.	<i>Solanum surattense</i>	Konti Kari	Whole
82.	<i>S. viarum</i>	-	Fruit
83.	<i>Saraca asoka</i>	Asoka	Bark
84.	<i>Tinospora crispa</i>	Gulanha	Stem
85.	<i>T. cordifolia</i>	Gulanha	Stem
86.	<i>Terminalia chebula</i>	Haritaki	Fruit
87.	<i>T. bellirica</i>	Bhairah	Fruit
88.	<i>T. arjuna</i>	Arjuna	Bark
89.	<i>Tribulus terrestris</i>	Gokhur	Fruit
90.	<i>Tylophora indica</i>	Antamue	Leaf
91.	<i>Withania somifera</i>	Ashwagandha	Root
92.	<i>Vitex negundo</i>	Nisinda	Whole
93.	<i>Valeriana hardwickii</i>	-	Root
94.	<i>Viscum articulatum</i>	-	Whole
95.	<i>Xanthoxylum hamiltonianum</i>	-	Fruit
96.	<i>Zingiber officinale</i>	Ada	Rhizome

## PROTECTED AREAS IN WEST BENGAL

It has already been stated that Protected area Network of West Bengal is extended over 15 Wildlife Sanctuaries, 5 National Parks and 2 Tiger Reserves (Overlapping with National Parks/sanctuaries) covering almost 34 percent of the recorded forest land. Each of these Protected areas has its own ecological significance supporting a rich biodiversity. A brief account of biodiversity contained in the most important ones has been provided in Annexure-I.

### PRIORITISATION : PROTECTED AREAS

Using an analytic methodology, a series of global 'Hot-spot' areas have been designated for prioritisation of conservation efforts. The 'Hot-spot' approach identifies key localities of biotic richness under acute threat. As such, it enables conservationists to determine their priorities in a more informed and methodical manner than has often been the case to date. Based on the local situation and richness of biodiversity, certain areas of the state have already been earmarked for conservation. All these areas have been brought under the Protected Area network of the country. Various conservation measures and management programmes in different scales are being carried in these protected areas through state, national as well as international support. In the present chapter, based on available information regarding ecological situation, floral and faunal richness, number of threatened species, existing threats, an attempt has been made to designate some of these protected areas for prioritization of conservation programme. However, this prioritisation was not done on the basis of any mathematical or statistical analysis, but simply on the apparent floral-faunal richness, existing threats and role in conservation of threatened species. Though only three areas have been identified, but conservation of other protected areas is also no less important.

### A. Sundarban Biosphere Reserve

Southern most part of West Bengal is indented by numerous river openings. The important rivers from east to west are Harinbhanga, Gosaba, Matla, Thakuran, Saptamukhi, Muriganga and Hugli, which ultimately end up at the Bay of Bengal. On the way they have encompassed nearly 100 islands criss-crossed and intersected by numerous creeks and delta distributaries. The region is popularly known as Sundarban. With its counterpart in Bangladesh Sundarban covers a total land and water area of about 1,000,000 ha. The area supports the world's famous mangrove block which is a well known ecosystem of the Tropics. Nearly 9630 Sq. km.; of the Indian Sundarban lying between 20° 32' north latitude and 22°40' and 80°05' and 89° east longitude has received the status of 'Sundarban Biosphere Reserve' in 1989. The Biosphere Reserve includes both forest and reclaimed area spreading mainly over civil district of South 24 Parganas and to some extent North 24 Parganas. Within the limits of Biosphere Reserve comes Sundarban Tiger Reserve (National Park, Sanctuary and Reserve Forest), South 24 Parganas Forest Division, Lothian Island Wildlife Sanctuary, and Halidaty Island Wildlife Sanctuary. A part of it in Sundarban Tiger Reserve has been considered as the world Natural Heritage site since 1985. The Biosphere is bounded by the Dampier-Hodges line on the north, Bay of Bengal in the south, Ichhamati- Kalindi- Raimangal on the east and river Hugli on the West. It includes 4264 sq. km. of mangrove forests (Core zone : 1700 sq. km.; Manipulation zone (Forestry) : 2400 sq. km.; Restoration zone 200 sq. km. App.). The balance area of the Biosphere Reserve (5367 Sq. km.) comprises lands outside the forests [Manipulation zone (Agri.)], but within the intertidal zone.

The mangrove ecosystem of Sundarban is the only ecological habitat of Tiger, *Panthera tigris* of its kind not only in India but also the world except in Bangladesh. The tidal forms and the mangrove vegetation in Sundarban are responsible for dynamic ecosystem with vigorous nutrient cycling both terrestrial and aquatic. The whole ecosystem is sensitive to changes in salinity, and the continuous cycle of

erosion, alongwith deposition. This is effecting the plant communities to give rise to dynamic changes. The plant communities are continuously adjusting to the new condition.

Two distinct types of mangrove forests, viz.. Littoral forest and Tidal Swamp forest could be recognized in Sundarban. Each of these is further subdivided into three subtypes with characteristic vegetation as shown in Table 29.

**Table-29** : Forest types in Sundarban (adopted from Mitra and Pal, 2002).

TYPE	SUB-TYPE	DOMINANT VEGETATION
Littoral Forest	CLASS – I	<i>Dolichandrone spathacea, Erythrina variegata, Hibiscus tiliaceous, Ixora arborea, Tamarix troupii, Thespesia populnea, Trewia nudiflora, Vitex negundo, V. trifolia.</i>
	CLASS – II	<i>Acanthus ilicifolius, Croton sp., Lippia geminata, Porteresia coarctata, Saccharum spontaneum,</i>
	MANGROVE SCRUB	<i>Aegialitis rotundifolia, Avicennia alba, Ceriops decandra, Excoecaria agallocha, Phoenix peludosa, Acanthus ilicifolius, Brownlowia lanceolata.</i>
TIDAL SWAMP FOREST	MANGROVE FOREST	<i>Avicennia alba, Bruguiera conjugata, Ceriops decandra, Ceriops tagal, Excoecaria agallocha, Kandelia candel, Lumnitzera recemosa, Rhizophora sp., Sonneratia apetala, Xylocarpus granatum, X. mekongensis.</i>
	SALT WATER MIXED FOREST	<i>Aegialitis rotundifolia, Amoora cucullata, Avicennia officinalis, Bruguiera conjugata, Ceriops decandra, Excoecaria agallocha, Heritiera fomes, Xylocarpus mekongensis, Nypa fruticans.</i>
	BRACKISH WATER MIXED FOREST	<i>Avicennia officinalis, Bruguiera conjugata, Heritiera fomes, Sonneratia apetala, S. caseolaris, Xylocarpus memongensis, Amoora cucullata, Acanthus ilicifolius, Acrostichum aureum, Brownlowia lanceolata, Nypa fruticans, Ceriops decandra, Excoecaria agallocha, Phoenix peludosa.</i>

The variable salinity, pH, sandy and loamy soil, daily inundation by high tides, different grades of subsurface nutrient, weather hazard, etc. of Sundarban support specialized group of plants known as mangrove. The mangroves are salt tolerant halophytic seed plants that range in size from tall trees to shrubs with some similarities in architecture and physiology. In the mangrove forest of Indian Sundarban, a total of 69 floral species belonging to 29

families and 50 genera have been recognized, out of which 34 species are true mangrove type (Mitra and Pal, 2002). Apart from the higher plants, microbial community of deltaic Sundarban is equally impressive, and encompasses a large range bacteria, cyanobacteria and phytoplankton of the ambient aquatic phase. Banerjee *et al.* (2002) recorded a total of 64 phytoplankton species from the brackish water system of Indian Sundarban.

Sundarban provides characteristic type of habitat suitable for animals inhabiting vast tidal swamp area. Because of their intimate association with the estuarine environment, sizeable portion of aquatic animal communities are inter-related with the animals inhabiting the land area. In terms of faunal species diversity, mangals of Sundarban ranks first among the different mangrove ecosystems of the country with record of 1434 species representing 20 phyla (Das 2001). Faunal diversity includes both resident and the visiting or transient forms. Faunal diversity mainly comprises of Cnidaria (33 spp.), Mollusca (142 spp.), Crustacea (240 spp.), Insecta (201 spp.), Arachnida (33 spp.), Echinodermata (20 spp.), Pisces (176 spp.), Amphibia (8 spp.), Reptilia (58 spp.), Aves (163 spp.), Mammalia (40 spp.). However, there are certain differences as regard the number of species under different group (Mandal and Nandy, 1989, Chaudhuri and Chaudhuri, 1994, Das 2001). Though a number of vertebrate species like Javan Rhinoceros – *Rhinoceros sondaicus*, Wild Buffalo – *Bubalus bubalis*, Barking Deer – *Mutiacus muntjac*, White Winged Wood Duck – *Cairina scutulata* etc. have disappeared from Sundarban, still at least 20 species considered as threatened have found shelter in this ecosystem. It contains the country's largest Tiger – *P. tigris* population in its unique setting. Joint tiger Census with Bangladesh in 2004, revealed 274 Tigers in Indian Sundarban. The numerous creeks form the safe home of the Estuarine Crocodile – *Crocodylus porosus*, Salvator Lizard – *Varanus salvator*, River Terrapin – *Batagur baska*. Among the other threatened species of Sundarban Gangetic Dolphin – *Platanista gangetica*, Snub – nosed Dolphin – *Orcaella brevirostris*, Fishing Cat – *Prionailurus bengalensis*, Lesser Adjutant – *Leptoptilos javanicus*, White – bellied Sea Eagle – *Haliastur lencogaster*, Osprey – *Pandion haliaetus*, Indian Python – *Python molurus* are worth-mentioning. The deltaic islands serve as

the nesting ground of a number of globally threatened marine turtles particularly for Olive Ridley – *Lepidochelys olivacea*. Many heronries are formed here during postmonsoon and winter months. The area also serves as the temporary home for two species of Horse-shoe Crabs, viz., *Carcinoscorpius rotundicanda* and *Tachypleus gigas* during premonsoon period of high salinity. A number of plant species of conservation significance such as Sundari – *Heritiera fomes*, Golpata – *Nypa fruticans*, Genwa – *Excoecaria agallocha*, Goran – *Ceriops decandra*, etc. have also found suitable ecological habitats in Sundarban.

There is no denying the fact that the management of this most productive ecosystem is very tough because of its difficult geographic situation and hostile terrain, criss-crossed by a net work of turbulent streams and having long stretch of international boundary with Bangladesh. Sea and rivers provide vast fishing arena and draw thousands of trawlers, mechanised boats, country boats. This induces threats like poaching of animals, pilferage of woods and also seepage of soil in the water surface. Shooting of tiger prawn seed with nets of small mesh size by the huge number of local residents is also hampering the biodiversity to a great extent. Construction of embankments for the protection of reclaimed area is effecting the salinity gradient of rivers and thus may disrupt floral and faunal community structure. Further, storm, cyclone, flood are the frequent natural threats to Sundarban.

### **B. Jaldapara Wildlife Sanctuary**

The sanctuary lies in the civil district of Jalpaiguri, in between 20°58' and 27°45' North latitudes, 89°08' and 89°55' East longitude. It covers an area of 216.51 sq. km. In the flood plains of river Torsa and other small rivers and supports vast tracts of grasslands. The Sanctuary is demarcated on the



north by the international boundary with Bhutan and Totapara village. Falakata–Koch Behar Road forms the southern limit. Eastern side is bounded by Jaigaon, National Highway No. 31D, Reserve forests and Tea estates. There are villages and cultivated fields on the south western side which may be considered to be bounded by the Madarihat–Falakata Road. Northwestern boundary is broadly demarcated by Hasimara–Madarihat railway line, several Tea estates and Reserve forests. However, in consideration of the to and fro movement of wild animals such as Rhinos, Gaurs, Elephants, Deers, Leopards, several species of birds, the ecological boundaries of the Sanctuary have extended far beyond the legal boundaries.

The sanctuary has great ecological significance as it forms the genepool reserve

for the great Indian One–horned Rhinoceros–*Rhinoceros unicornis* outside Nepal and Assam, and safeguards against any possible extinction of wild Rhino population elsewhere due to unforeseen events. Some forest blocks of the Sanctuary provide excellent elephant habitat. Elephant herds can be kept confined inside the forest for longer duration if sufficient food, water and cover are provided and biotic pressure is reduced. This, in turn, will automatically reduce elephant depredation incidences. The National Level Action Plan on Project Elephant has already identified this Sanctuary as part of the extended Elephant Reserve of Buxa- Manas Protected Areas.

The Sanctuary provides a wide range of wildlife habitats depending on the forest types (Table 30).

**Table-30** : Forest types of Jaldapara Wildlife Sanctuary (Adopted from Management plan of Jaldapara Wildlife Sanctuary 1997-98 to 2006-07 by Wildlife Circle, Govt. of West Bengal, 1997).

TYPE	SUB-TYPE	DOMINANT VEGETATION
RIVERINE FORESTS	-	<i>Acacia catechu, Dalbergia sissoo, Lagerstroemia parviflora, Bischofia javanica, Toona ciliata, Gmelina arborea, Trewia nudiflora, Anthocephalus indicus, Bauhinia purpurea, Grewia lavigata, Dillenia indica, Bombax ceiba.</i>
SAL FORESTS	-	<i>Shorea robusta, Lagerstroemia parviflora, Dillenia pentagyna, Sterculia villosa, Careya arborea, Stereospermum tetragonum, Machilus villosa, Phoebe attenuata, Terminalia sp., Meliosma simplicifolia, Michelia champaca, Aphanamixis polystachya, Macaranga denticulata, Bauhinia purpurea, Prema bengalensis, Leea sp., Mikania sp., Mimosa sp., Albizzia sp., Amoora rohituka.</i>
WETMIXED FORESTS		<i>Syzygium sp., Amoora rohituka, Aphanamixis polystachya, Stereospermum chelonoides, Michelia champaca, Mesua ferrea, Myristica longifolia.</i>
SEMIEVER GREEN FORESTS	-	<i>Bauhinia purpurea, Chukrasia tabularis, Gmelina arborea, Michelia champaca, Schima wallichii, Toona ciliata, Duabanga grandiflora, Litsaea sp., Dysoxylum sp., Dendrocalamus hamiltonii.</i>
EVER GREEN FORESTS	-	<i>Shorea robusta, Bischofia javanica, Chukrasia tabularis, Cinnamomum sp., Calamus sp., Dysoxylum sp., Stereospermum sp., Mesua ferrea, Amoora wallichii.</i>

**Table-30 : Contd.**

TYPE	SUB-TYPE	DOMINANT VEGETATION
SAVANNAH FORESTS	MOIST SAL SAVANNAH	<i>Shorea robusta</i> , <i>Careya arborea</i> , <i>Lagerstroemia parviflora</i> , <i>Bauhinia purpurea</i> , <i>Emblica officinalis</i> , <i>Saccharum</i> sp., <i>Arundo donax</i> , <i>Phragmites karka</i> , <i>Imperata cylindrica</i> , <i>Themeda arundinacea</i> .
	LOW ALLUVIOM SAVANNAH WOODLAND	<i>Bombax ceiba</i> , <i>Albizia</i> sp., <i>Acacia catechu</i> , <i>Bischofia javanica</i> , <i>Trewia nudiflora</i> , and grass species similar to that of Moist Sal Savannah.
	EASTERN ALLUVIAL GRASSLAND	Almost pure grassland with species like <i>Saccharum spontaneum</i> , <i>S. procerum</i> , <i>Erianthus arundinacea</i> , <i>Arundo donax</i> , <i>Phrogmitis karka</i> .
HYDROPHYTIC VEGETATION		<i>Typha angustifolia</i> , <i>Eleocharis palustris</i> , <i>E. retroflexa</i> , <i>Ludwigia octovalvis</i> , <i>Alternanthera sessilis</i> , <i>Polygonum barbatum</i> , <i>Panicum paludosum</i> , <i>Najas minor</i> , <i>Sagittaria trifolia</i> , <i>Hydrilla verticillata</i> , <i>Leersia haxandra</i> .

A large number of perennial and seasonal streams flowing through the sanctuary which provide not only further diversity to the wildlife habitats but also a frequent changing scenario. Torsa, the main river which flows through the sanctuary, is rising and falling with great rapidity and changing its courses frequently. Within the sanctuary, it has occupied different positions over a tract of about 20 km wide from east to west, by shifting its courses time and again in the last one and half century. As a result, literally the whole tract comprises of a network of water pools, dead streams with abandoned river beds.

Diverse soil formation (Alluvial, Terai, Bhabar), huge ground water resource, good monsoons, combined with some amount of altitudinal variations resulted a great diversity of floral species. Nearly 733 species of plants belonging to 114 families have been listed from the sanctuary apart from numerous species of phytoplankton, mosses, fungi, etc. At least, 491 species of plants occurring in the Sanctuary considered as threatened in the state level. These include *Aristolochia togala*, *Bulbophyllum striatum*, *B. trista*, *Calamus erectus*, *C. tenuis*, *C. latifolius*, *Calanthe*

*angusta*, *Costus speciosus*, *Dendrobium lituiflorum*, *Discorea falcatum*, *D. bulbifera*, *D. puber*, *Drosera peltata*, *Nervilia falcata*, *Musa balbsiana*, *Gloriosa superba*, *Rauwolfia serpentina*, *Utricularia bifida*, *U. coerulea*, *U. scanadens*, *Zeuxine nervosa*, etc. Further, vast tracts of Savannah grassland have already been lost in North Bengal due to extension of agriculture and other developmental activities. The patches survived within the territory of Sanctuary provide ideal habitat for many threatened faunal species including Rhinoceros. As such these grasslands are also of great conservation significance. Faunal diversity, particularly in respect of invertebrate species, have not yet been totally worked out. However, as many as 29 species of fish, 12 species of amphibians, 24 species of reptiles, 246 species of birds and 39 species of mammals have already been recorded from Jaldapara and its surroundings. Apart from the great One horned Indian Rhinoceros, several other threatened species including Tiger-*Panthera tigris*, Leopard-*P. pardus*, Gaur-*Bos frontalis*, Indian Pangolin-*Manis crassicaudata*, Bengal Florican-*Eupodotis bengalensis*, Hill Myna-*Gracula religiosa*, Pea fowl-*Pavo cristatus*,

Indian Soft-shelled Turtle—*Lissemys punctata*, Python—*Python* sp. and many others are protected within the sanctuary. Recently, a small population of the Hispid Hare—*Caprolagas hispidus*, a critically endangered species, have been recorded from grasslands of the Sanctuary (Maheswaran, 2002). This has further increased the importance of Jaldapara from the conservation point of view.

The entire sanctuary is under management programme for a pretty long period. However, the total ecological set up alongwith rich biodiversity is under constant threat of erosion owing to various biotic and abiotic pressure. The flood of variable intensity is a frequent feature, which not only takes a heavy toll of wildlife species, but also changes the composition of forest. Changes in habitats are also very common on account of natural process of succession, e.g., invasion of grasslands by tree species. Fire, grazing, illegal felling, collection of non-timber forest produce and tourism are also resulting detrimental effects on the carrying capacity of different habitats. Poaching of rhino, elephant and other species is also serious matter of concern. In recent times, problem of insurgency is also building up within the Sanctuary, which makes the management activity more difficult.

### C. Mahananda Wildlife Sanctuary

The Sanctuary falls in the transition zone between Peninsular Indian subregion and Indo-Malayan subregion of Oriental region. It covers an area of about 129.04 Sq. km. in the Terai region of the Eastern Himalayas on the West Bank of river Tista between latitudes 26°55′33 and 26°47′54 North, longitudes 88°33′31 and 88°23′36 East. Roughly, 60 percent of the sanctuary is hilly ranging from 150 M. to 1300 M. and comes under Darjiling district. However, it also includes Latlong block of forest falling within the district Jalpaiguri. The sanctuary is characterized by moderate, steep to precipitous mountain slopes and high ridges towards the north and gently sloping to almost flat stretches

of the terai and alluvial plains towards the south. In fact, sanctuary is unique in its topographical configuration as the Himalayan range meets the Bhabar tract in a continuum. Consequently there are a seasonal vertical migration of some species, which adds to the variety of fauna exhibited by the area. Further, the sanctuary falls in the region east of the Mechi river, a region reported to possess the richest variety of avian species in India. It is the largest compact block of forested habitat situated at the western end of the elephant migration route. It is, therefore, expected to play an extremely significant role in the control measures to be adopted for tackling the problem arising out of depredatory impact of migratory elephant herd in North Bengal.

Owing to many zigzag turns, it is difficult to describe the legal boundry of the sanctuary. Broadly, in the north it is bounded by Ruyem, Upper Ghoramara, Lat-panchar and Mana forest blocks; in the east by river Tista; by Latlong, Singimari, Hatisar, Mohorgong, Chamta and Adalpur blocks in the south; while Bandarjora, Punding, Kuklong, Adalpur and Kyananuka block in the west. Many of the forest blocks in north, south and west are extended beyond the limit of the sanctuary and act as spill over area for wild animal population. Conversion of higher hills into tea estates and Cinchona plantations has fragedmented the ecological boundary in the north.

Tista, a perennial snow fed river, flows down along the eastern boundary. Many other water courses, mostly spring fed, such as Mahanadi, Gulmakhola, Choklong, Nandikhola, etc., are found within the limits of the sanctuary. Except Mahanadi and Gulmakhola, flow of water in other rivers starts weakening from December onwards and finally during May-June confined to small pools along their courses. Presence of at least three natural salt licks makes the Sanctuary further suitable as Wildlife habitat.

Forest types and dominant vegetation of the sanctuary are provided in Table 31.

**Table-31** : Forest types and dominant vegetation of Mahananda Wildlife Sanctuary (Adopted from Management Plan for Mahananda Wild life Sanctuary–1997-98 to 2006-07 by Wildlife Cycle, Govt. of West Bengal, 1997).

REGION	TYPES	DOMINANT VEGETATION
PLAINS	GRASSLAND	<i>Phragmites karka</i> , <i>Saccharum munja</i>
	KHAIR-SISSO FOREST	<i>Acacia catechu</i> , <i>Dalbergia sissoo</i> , <i>Albizia</i> sp., <i>Erythrina</i> sp., <i>Eupatorium odoratum</i> , <i>Mimosa himalayana</i> , <i>Saccharum spontaneum</i> .
	SIMUL-SIRIS-FORESTS	<i>Bombax ceiba</i> , <i>Albizia</i> sp., <i>Erythrina</i> sp., <i>Adina</i> sp., <i>Tetramelas</i> sp., <i>Lantana</i> sp., <i>Tinospora</i> sp., <i>Dalbergia</i> sp., <i>Butea</i> sp.,
	MOIST SAL FORESTS	<i>Shorea robusta</i> , <i>Schima wallichii</i> , <i>Chukrassia tabularis</i> , <i>Garuga pinnata</i> , <i>Prema bengalensis</i> , <i>Eupatorium odoratum</i> , <i>Mimosa himalayana</i> , <i>Acacia himalayana</i> , <i>Lea</i> sp., <i>Terminalia crenulata</i> , <i>Machilus gamblei</i> , canes and ferns species.
	DRY MIXED FORESTS	<i>Shorea robusta</i> , <i>Dillenia pentagyna</i> , <i>Careya arborea</i> <i>Terminalia crenulata</i> , <i>Sterculia villosa</i> , <i>Bauhinia purpurea</i> , <i>Fagara budrunga</i> , <i>Lea</i> sp., <i>Mimosa himalayana</i> , <i>Tinospora cordifolia</i> .
	WET MIXED FORESTS	<i>Dillenia indica</i> , <i>Eugenia</i> sp., <i>Elaeocarpus lanceaofolius</i> , <i>Tetrameles nudiflora</i> , <i>Alpinia</i> sp., <i>Laforteia</i> sp., <i>Storchilanthes</i> sp., ferns and canes species.
HILLS	LOWER HILLS SAL FORESTS	<i>Shorea robusta</i> , <i>Schima wallichii</i> , <i>Terminalia crenulata</i> , <i>Careya arborea</i> , <i>Lagerstroemia parviflora</i> , <i>Albizia</i> sp., <i>Machilus</i> sp., <i>Clerodendron viscosum</i> , <i>Bauhinia vahlii</i> , <i>Dalbergia stipulata</i> .
	LOWER HILLS DRY MIXED FORESTS	<i>Terminalia crenulata</i> , <i>Gmelina arborea</i> , <i>Cedrella toona</i> , <i>Sapidus detergens</i> , <i>Ostodes paniculata</i> , <i>Melisome simplicifolia</i> , <i>Bauhinia purpurea</i> , <i>Wrightia tomentosa</i> , <i>Lea</i> sp., <i>Morinda certrifolia</i> , <i>Butea parviflora</i> , <i>Dalbergia stipulacea</i> , <i>Tinospora cordifolia</i> , Bamboo species.
	LOWER HILLS WET MIXED FORESTS	<i>Duabanga sonneratio-fraxinifolius</i> , <i>Cinamomus obtusifolia</i> , <i>Macaranga</i> sp., <i>Callicarpa arborea</i> , <i>Machilus</i> sp., <i>Travesia pulmata</i> , <i>Clematis</i> sp., <i>Lea</i> sp., Bamboos, Canes and ferns
	MIDDLE HILL FORESTS	<i>Schima wallichii</i> , <i>Castanopsis</i> sp., <i>Talacima hodgsonii</i> , <i>Betula alnoides</i> , <i>Phoebe attenuata</i> , <i>Macaranga</i> sp., <i>Wrightia tomentosa</i> , <i>Baccaurea sepida</i> , <i>Polygonum molle</i> , <i>Maesa indica</i> , <i>Clematis</i> sp., <i>Imilax</i> sp., Bamboos.

It is obvious that altitudinal variation coupled with varied edaphic factors and favourable monsoon have given rise to great floristic variety. This in turn resulted enrichment of faunal species. No detailed inventory of species composition has so far been made. However, a collaborative research

study on the 'Survey of Flora and Fauna of Mahananda Wildlife Sanctuary' in the year 1996 has provided a glimpse of biological diversity. The project prepared herbarium sheets for 39 species of trees, 55 species of herbs, 54 species of shrubs and 22 species of climbers. The actual number of floral species

is much higher, as for a large number of very common species such as *Acacia catechu*, *Dalbergia sisso*, *Bombax ceiba*, *Shorea robusta*, *Dillenia pentagyna*, *Sterculia villosa*, *Phragmites karka*, *Saccharum munja* and many others which were described under forest type, no herbarium sheet was made. Several threatened species of plants, viz., *Boehmeria rugulosa*, *Canarium sikkimense*, *Elaeocarpus aristatus*, *Machilus parviflora*, *Ormosia glauca*, etc. found protection in the sanctuary. In case of faunal composition qualitative richness is very much evident, but many of the species are represented by very small and scattered populations thus deserving special conservation measures. The project recorded 61 species of mammals, 253 of birds, 10 of reptiles, 6 of amphibian, 29 of butterflies and moths. Among the species of conservation importance Tiger–*Panthera tigris*, Gaur–*Bos frontalis*, Serow–*Capricornis sumatraensis*, Himalayan Black Bear–*Selenarctos thibetanus*, Hodgson's Frogmouth–*Batrachostomas hodgsoni*, Indian White-backed Vulture–*Gyps bengalensis*, Osprey–*Pandion haliaetus*, Kalij pheasant–*Lophura leucomelana* and many others have found shelter in Mahananda.

The entire ecological set up of the sanctuary has become fragile owing to local socio-economic situation. Since the reconstitution of the sanctuary in 1976, commercial exploitation of forest resources was stopped. This has resulted in substantial reduction of employ-

ment potential for both forest dwellers and fringe population and generating an element of hostility against conservation practices. Various illicit activities like poaching of wild animals, cattle grazing, lopping of trees for fodder, head and van loading of fuelwood are building up to meet the needs of local people. A section of city-based business community are also exploiting local people in these operations. Illicit timber removal is further facilitated due to a large number of water ways passing through the sanctuary. These when flowing in full provide opportunities for rafting down illicitly removed timber. Again, during summer, most of the streams and jhoras inside the sanctuary dry up resulting acute shortage of water. Subsequently, typical migration of animals from the dry zones to more wet zones takes place. This congregation of animals develops the acute intra-interspecific competition for food and also increases the chances of being poached. The metalled roads (NH 55, NH 31) and railway tract pass through the Sanctuary. This disrupts the free movement of animals and increases the chances of 'Road Kills' The Sanctuary is prone to natural fire hazards. The fire is often caused by the sparks of railway engine, throwing of burning match sticks or cigarettes, deliberate burning by poachers and graziers. Being in the vicinity of business center and tourist spots, it is regularly visited by a large number of tourists and obviously faces the hazards of tourism activities.

## LOSS OF BIODIVERSITY AND CAUSES

The biodiversity in all the ecosystems of the state takes many pressures such as commercial clear felling and selective clear felling, conversion for agriculture, settlements, roads, inundation for developmental projects like multipurpose river valley projects, conversion to monoculture, army operation, grazing, mining, firewood collection, introduction of exotics, fire and pollution, tourism, disease, natural calamities, wildlife trade and many others. The marshes, river systems and other wetlands are threatened mainly by domestic pollutants and toxic effluents, agricultural run-offs containing residues of pesticides and

chemical fertilizers and excessive siltation from degraded catchments. Excessive withdrawal of water from water-bodies for industry, irrigation or domestic use, dredging and reclamation of water bodies, excessive fishing, building of dams and canals are other factors adversely affecting the wetlands. West Bengal State Biodiversity and Strategy Action Plan (Dept. of Environment and R.K.M. Narendrapur, 2002) provided a item-wise matrix on the loss of biodiversity and causes in the State. The same matrix is provided below with slight alteration and additional information.

### Loss of Biodiversity and causes

Item I	Loss suffered II	Causes III
<b>A. Plants</b> 1. Govt. Forest Land i. Govt. Policy/Action Related		
a. Diversion of forest land for non-forest purposes	1660 ha. since 1980 involving Ayodha Hills, North Bengal forests.	Permission granted by Forests Dept. for irrigation, road, army, hydel and other projects.
b. Exotic tree monoculture	Teak plantation in North Bengal foot hills and plains = 25,980 ha. Conifer plantations in North Bengal hills = 11,600 ha. <i>Eucalyptus</i> + <i>Acacia auriculiformis</i> plantation in S.W. West Bengal = 2,59,000 ha.	Practice of monoculture plantation in West Bengal hills and plains after clearing high forest consisting of broad leaved species communities. Pure block plantation of <i>Eucalyptus</i> and <i>Acacia</i> on blank and degraded sites of S.W. West Bengal and Central Bengal.
c. Induced landslide and soil erosion	Landslide affected areas in North Bengal hills = 290 sq. km. Areas affected by sheet and gully erosion in S.W. West Bengal = 7500 sq.km.	About 70 percent of landslide in North Bengal hills are subjected to accelerated erosive processes due to faulty land use policy, deforestation and dearth of proper water disposal systems. Erosion in S.W. West Bengal is due to bad land use in uplands, poor watershed management, deforestation, etc.

Item I	Loss suffered II	Causes III
d. Habitat loss due to construction of flood control embankment	Grassland habitat in Jaldapara Sanctuary = 5000 ha. Erosion of mangrove forest lands of Sundarban.	Flood control embankment constituted along the right bank of Torsa river had resulted in loss of seasonal flood water flow through prime rhino habitat in Jaldapara sanctuary. This has caused elimination of preferred habitat for the ungulate and associated species. Embankments around reclaimed areas for defence against wave action, resulting more pressure and erosion on the forested islands of Sundarban.
ii. Industry policy/Action related		
a. Biodiversity loss due to fuel wood and fodder removal	1.2 million m <sup>3</sup> fuel wood and 2000 tonne green fodder are removed from hills and plain forests of North Bengal by tea garden labourers annually. Expansion of tea gardens in the past caused severe fragmentation in Duars region. Annually 1000 ha area in the buffer zone of S.T.R. bearing mature crop, is operated following the method of selection-cum-improvement felling on 20 years cycle.	There are 274 tea gardens in plains and hills of North Bengal. About 60% of these are abutting forests lands. Two lakhs labour force of the tea gardens plunder neighbourhood forest for fuel wood and fodder due to inaction by the industry concerned to provide alternatives. Twenty five percent of small wood and fuel wood extracted from the annual crops of Sundarban are given to local panchayets and rest of the produce is sold in the local markets by the allottees.
iii. Unorganised population action related		
a. Tree felling	There are on average 7000 detected illegal tree felling cases per annum with seizure of 10,000 m <sup>3</sup> timber. An equal number goes undetected. Therefore, annual loss is 20,000 m <sup>3</sup> timber mainly from North Bengal forests. Deforestation leads to extinction of symbiotic microbes that are host specific and have poor dispersal ability. Owners of 26 saw-mill, 45 cane-processing units and 4 veneer factories in close proximity of B.T.R.	Forest and fringe dwelling poor people are engaged by wood based industries and mafia groups with interstate and international linkages for illegal tree felling at huge profits. Poor staffing and infrastructural facilities of Forest Depts., dearth of local level participation, lack of inter-state and across the boarder coordination coupled with infiltration of militants in the forested tracts have increased the problems.

<b>Item I</b>	<b>Loss suffered II</b>	<b>Causes III</b>
	<p>have always looked greedily on the resources of the reserve, and found willing partners among a large number of unemployed or underemployed youths for plundering the forests.</p> <p>The habitat of STR shows evidence of felling in the past and timber-smuggling is still a threat to this Tiger Reserve.</p>	
b. Fuel wood removal	5 million M <sup>3</sup> fuel wood in green form is removed from the forest every year by the villagers-about 60 percent of this in South West West Bengal and balance in North Bengal. An estimate revealed that nearly 300 ladies visit Ayodhya hills daily and return in the afternoon each with head load of about 50 kg of wood.	Fuel wood collection from the forest has become a custom and tradition in rural areas fringing forest lands. This resource drain has become alarming due to upsurge in population growth and lack of cheap alternatives at local levels. Social forestry endeavours from 1987 outside forest lands have not made any dent in the situation due to perception of farm forestry as an income generation enterprise from poles and pulp wood and not as a means to obtain fuel wood from outside forest lands.
c. Cattle grazing	Two third of the State Forest i.e. about 8900 sq.km. area visited by nearly 7 million cattle annually, causing severe damage to 10,000 ha. forest area every year. Apart from damage due to consumption, grazing also reduces the regeneration capacity of grassland.	Lack of grazing policy, loss of traditional common lands, uneconomic returns for development of pastures, retention of unproductive cattle for slaughter, uncontrolled cattle trade across the border.
d. Encroachment	Encroachment of forest lands even in the protected areas is very common throughout for one or other purposes. In the past large number deltaic islands in Sundarban had been occupied for human habitation. Seventy-three fixed demand licensees and other 181 individuals (including residents of forest villages) have encroached on to Reserve Forest Lands of B.T.R. to establish 300 ha. of orange orchards.	Land hunger, influx of people across the border, lack of consolidation efforts for forest land.



Item I	Loss suffered II	Causes III
e. Unregulated NTFP removal	Excessive collection of leaves, fruits, seeds, roots, climbers, etc., as NTFP without regulatory measures. This has resulted a huge decline of biodiversity specially of species of medicinal importance in North Bengal and S.W. West Bengal.	Landless labours and huge number of unemployed persons have adopted this practice for livelihood. Products are so diverse and collectors are so many that the regulation and control is not possible through Government intervention.
f. Trade	Over collection has been disastrous for various species of orchids, cycads and medicinal plants.	Lucrative price in national and international market. Not much achievement in respect of artificial propagation.
g. Weed infestation	Weeds and climbers are acute problem in North Bengal. The most common and proliferating weeds are <i>Leea</i> sp., <i>Cassia tora</i> , <i>Mikania</i> sp., <i>Lantana camara</i> , <i>Eupatorium</i> sp., etc. Nearly 550 km. Forest lands comprised mostly of plantation areas, riverine tracts and the areas denuded by timber smugglers are affected by pernicious weed infestation – smothering natural regeneration, and hindering seed dispersal.	Timber smuggler's activities, creating opening without biological safeguards against weed infestation.
2. Non-Government Forest land		
i. Unorganised sector action related		
a. Habitat loss due to urbanisation	Vast areas of non-Government forest lands, orchards destroyed throughout the state and this is particularly true for those lying around metropolies.	Partition of land among the family members; soaring prices and demand of land for housing and industrial purposes.
3. Non-forest land		
i. Govt. policy/action related.		
a. Encouragement of high yielding agricultural crop	During pre-independence period 1015 indigenous and improved indigenous varieties of paddy were in cultivation, at present only 255 are in the field. Huge number of mostly non-descript local varieties of pulses, oilseeds, sugarcane, potato, jute, etc. which were in cultivation during pre-independence	Campaign to grow more food.

<b>Item I</b>	<b>Loss suffered II</b>	<b>Causes III</b>
	<p>period, are replaced by a few number of better yielding varieties. The only mung variety i.e. Sonamug endowed with a characteristic scent has been pushed to a backseat owing to its poor productivity. The short duration indigenous toria, part of the natural diversity in its center of origin – the foot hills of the Himalaya- is facing extinction due to urge of the farmers for higher productivity in rapeseed, <i>Brassica campestris</i>, and subsequent adoption to yellow sarson its place. The precious genotype of <i>Gitanjoli</i> variety of wheat known to withstand moisture stress in the soils is getting lost after the introduction of HYVs in the uncultivated arena.</p>	
b. Diversion of Coastal Lands	<p>Mangroves have been cleared in many pockets of coastal West Bengal for constructing shrimp culture farms. In Medinipur district coastal land is excavated to retain the tidal water, from which the salt is obtained. The process increases the salinity of soil and adjacent aquatic system. Various mangrove species like <i>Heritiera fomes</i>, <i>Nypa</i> sp. are threatened due to these processes and there is change in the orientation of pelagic community. More than 230 ha. foreshore land on Digha and Shankarpur beach have been utilized for construction of hotels and tourist facilities, fish stocking, etc.</p>	<p>High price of tiger prawn in the international market; Export policy. Tourism development without caring for ecological consequences.</p>
ii. Unorganised sector action related		
a. Conversion of common land and waste-lands	<p>65,000 ha. village common lands, earlier used as pasture and 2,20,000 ha. wastelands earlier used for fuelwood/fodder collection have been converted for agriculture/tree farming.</p>	<p>Land hunger, economic pursuits, promotion of social forestry.</p>

Item I	Loss suffered II	Causes III
<b>B. Animals</b>		
1. Govt. forest Land		
i. Govt. Policy/action related		
a. Loss of animal corridor and fragmentation of habitats	Elephant corridor disrupted over 150 km. length in North Bengal due to diversion of forest land for rails/roads/irrigation and army camps. Fragmentation leads to inbreeding hazards among the populations of confined area.	Development and defence priorities.
b. Loss of animals	On an average, four elephants are killed every year on the railway track between Siliguri and Binnaguri. Road kills are common affair in highways passing through forests. Sudden release of water from dams often washes away animals including elephants.	Railway tracks, roadways, irrigation canals passing through the forests.
ii. Unorganised sector action related		
a. Loss of species due to poaching and illegal trade.	Large number of species and their derivatives have great demand in the national and international market. Wide range of species from butterflies, horse-shoe-crabs, sharks, sea-horse, snakes, lizards, turtles molluscs, echinoderms, birds, mammals, etc. are victims of illegal trade. During the period 1997-98 to 2000-2001, at least 12 tiger skins, 9 leopard skins, 4 bear skins, 5 rhino horns, 3 elephant tusks, 6 pangolins, 6068 birds, 25 kg. peacock feather, 11075 turtles, 9609 amphibians and reptiles, 18 moths and butterflies and many other wildlife products involving flying squirrel, mongoose, fishing cat, hog deer, etc. have been seized by the State Forest and other departments.	Superstition, ego and supposed medicinal values have created a tremendous demand and soaring prices for various wildlife and their products. Lack of man-power and non-cooperation from neighbouring countries make it difficult to implement the legal action.
b. Loss of species due to ritual hunting	Ritual hunting on different auspicious days (Budh Purnima at Ayodhya and neighbouring hills; Bengalee New-Year day in North Bengal) involves mass killing of all the species sighted. Protected species such as Leopard, Pangolin, Spotted Deer, Peacock, etc. are also not spared on these days.	Lack of awareness. Political reasons.

Item I	Loss suffered II	Causes III
2. Non-Forest Land		
i. Govt. Policy/Action related		
a. Loss of indigenous fish varieties due to encouragement of high yielding fish varieties	Over 1100 sq.km. of water bodies is under cultivation of high yielding fish varieties including exotics. This has pushed back the population of indigenous fish varieties. Various diseases have also arrived causing harm to the native germplasm.	Profit motive. Government encouragement with seeds, loans and others.
b. Conversion of wetlands	Vast stretches of wetlands and swamps are being filled up. Reclamation of Salt Lakes for satellite township has taken a huge toll of avian and other biodiversity. 248 species of birds had been recorded from this area during 1964-69, reduced to only 135 during 1984-97. Only endemic mammalian species of the State- <i>Herpestes palustris</i> , and several other species have almost been wiped out from the area.	Provide shelter and other amenities to the evergrowing human population. Profit making.
c. Soil erosion and habitat alteration in both up-stream and down stream of dams and barrages	Soil erosion causing siltation of natural water bodies causing eutrophication and reduction in the productivity of the water bodies and subsequently the loss of species. Construction of dams and barrages are spoiling feeding and breeding grounds of aquatic species and their migration. This along with the changes in the salinity resulting the erosion of overall species composition.	Destruction of forest in catchment areas; to improve irrigation facilities and generation of hydel power.
2. Unorganised sector Action related		
a. Poaching	Poaching of local birds, frogs in different villages is a regular incidence. Collection of yellow monitors by the tribals in S.W. West Bengal for selling them to 'Hakim' for medicines. Foxes, jackals, squirrels, mongooses are being regularly hunted for pelts.	Poor economic condition and absense of alternative livelihood.

Item I	Loss suffered II	Causes III
b. Indiscriminate pesticides application	Microbial community of soil significantly affected. Pesticides also results tremendous reduction in earthworm population.	Increase of agricultural production.
c. Wanton destruction	Fishermen in Nadia and Murshidabad districts often fish in deep pools in the river courses using all possible gears, ultimately removing all fish including juvenile and brood fishes. In Jalpaiguri, Kochbehar and other places barricades are created in a particular section of shallow stream and extracts of some plants are mixed to the confined water. This kills not only all the fishes but also other faunal components.	Lack of awareness and to get quick return.
d. Prawn seed collection	Several thousands of people specially women and children in Sundarban are engaged in the collection of tiger prawn seeds. Unregulated use of shooting nets of small mesh-size results in tremendous loss in faunal diversity. It has been estimated for collection of single seed of tiger prawn, 208 juveniles on average mostly belonging to fishes, molluscs, crabs and other prawns are destroyed and as such creating a great pressure on the ecosystem.	Due to absence of hatchery in the state, entrepreneurs of shrimp culture depend on wild harvest of prawn seed.
e. Lime generation	Variety of molluscan species like <i>Telescopium</i> sp., <i>Saccostrea cucullata</i> , <i>Crassostrea gryphoides</i> , <i>Anadari</i> sp., etc., are sacrificed particularly in Medinipure and South 24 Parganas for generation of lime from their shells.	Calcium carbonete is the important component of molluscan shell and practically there is no measures in lime generation practices.
<b>3. Organised sector Action related</b>		
a. Antifowling paints and hydrocarbons	Antifowling paints applied to the numerous fishing vessels, petroleum hydrocarbons including diseal fuel originating in the harbours and ports result bioaccumulation in the existing flora and fauna of coastal water and pose serious negative stress on the planktonic community.	So far no regulatory measures have been devised to control this hazard.

## CURRENT CONSERVATION INITIATIVES IN WEST BENGAL

Conservation has been defined as “.....the management of human use of the biosphere (*i.e.* all living things) so that it may yield the greatest sustainable benefit to present generations while maintaining its potential to meet the need and aspiration of future generations” In India conservation of biodiversity is integral to mainstream forest management and West Bengal has one of the oldest history of scientific management of its forest, which dates back to mid-nineteenth century. Detailed working plans were prepared by the British Foresters for management of this natural resources, which depended heavily on economic aspect of value-addition, but did not totally overlook the aspect of Biodiversity conservation. In late nineteenth and early twentieth century, the art and science of artificial regeneration were perfected in the lowly-productive, remote forest zones in North Bengal. Some of the most picturesque and beautiful plantations of conifer and other broad-leaved species like teak, sal, champ, etc. were raised during this period. The trend continued till mid-seventies. Meanwhile, in South-West West Bengal, in the districts of Bankura, Puruliya, Medinipur and elsewhere, large scale Eucalyptus and Akashmoni (*Acacia auriculiformis*) plantations were raised during sixties and seventies, as part of “Degraded Forest Regeneration” Sal plantations were also tried in degraded sal forest areas, however, with limited success due to heavy biotic pressure in the form of forest ground-fire, fuel-wood collection and grazing.

Early eighties saw the global resurgence of Biodiversity Conservation and renewed interest in the preservation of the endangered flora and fauna of the world. In keeping with the international and national trend, West Bengal too shifted its priority in forest management towards conservation of natural flora and fauna in their natural habitats and also in ex-situ condition. National Forest Policy of 1988 and the Forest (Conservation) Act, 1980 put severe restrictions on the harvesting of natural forests and their conversion into monoculture

plantations. The strategy of commercial exploitation of forests received a back seat. In the following a summary of current biodiversity conservation related aspects in the state has been provided.

### 1. Major Actors Relevant to Biodiversity Issues :

With the increased importance of Biodiversity Conservation, more and more agencies in the Government as well as non-Government levels are being involved directly or indirectly in the process of conservation.

#### 1.1. Government Agencies :

##### 1.1.1. Central Government Agencies :

\* Ministry of Environment and Forests  
 \* Geological Survey of India \* Anthropological Survey of India \* Regional Meteorological Centre, Kolkata \* Bose Institute, Kolkata  
 \* Central Soil and Salinity Research Laboratory  
 \* ICAR \* Border Security Force \* Coast Guard of India \* Kolkata Port Trust \* Indian Statistical Institute, Kolkata \* Central Groundwater Board, Kolkata \* National Atlas and Thematic Mapping Organisation \* Department of Science and Technology \* Department of Earth Science  
 \* National Biodiversity Authority \* Zoological Survey of India \* Botanical Survey of India  
 \* Central Pollution Control Board.

##### 1.1.2. State Government Agencies :

\* Department of Environment/Coastal Zone Authority \* Department of Development and Planning \* Department of Forests \* Fisheries Department \* Land and Land Reforms Department \* Panchayet and Rural Development Department \* Tribal Welfare Department \* Urban Development and Municipal Affairs Department, \* Public Health Engineering Department \* Irrigation and Waterways Department \* Water Investigation and Development Department \* Health and Family Welfare Department \* Department of Science and Technology and NES \* Zilla Parishads in respective districts \* West Bengal Renewable Energy Development Agency (WBREDA) \* West Bengal State Pollution

Control Board \* Sundarban Development Board  
 \* Haldia Development Authority \* Digha  
 Development Authority \* West Bengal Forest  
 Development Corporation \* Eastern Forest  
 Rangers College (Kurseong) \* Institute of  
 Environmental Studies and Wetland  
 Management (IESWM).

### **1.1.3. Institutions :**

\* Indian Institute of Technology, Kharagpur  
 \* University of Calcutta \* Jadavpur University  
 \* Kalyani University \* Bidhan Chandra Krishi  
 Vishwa Vidyalaya, Kalyani \* West Bengal  
 University of Animal and Fisheries Science  
 \* Burdwan University \* North Bengal  
 University \* Vidyasagar University \* Indian  
 Institute of Management, Kolkata \* Indian  
 Institute of Science Education and Research,  
 Kalyani.

### **1.2. Non-Government Organisations :**

There are more than hundred Non-Government Organisations working directly or indirectly in the field of Biodiversity Conservation in West Bengal. These Organisations function mostly on the programmes/projects approved by the local administration, Central and State Governments. They are often supported by the international funding agencies as well as business houses like TATA, GODREJ, etc. As listing of all the NGOs is not within the scope of present report, some important ones are mentioned below.

\* World Wide Fund for Nature-India (WWF)  
 \* WWF-India (Sundarban programme) \* S.D.  
 Marine Biological Research Institute  
 \* Ram Krishna Mission Lokasiksha Parishad  
 \* Pugmarks \* Nature Environment and Wildlife  
 Society \* Prakriti Samsad \* IBRAD \* Kolkata  
 Wildlife Society \* Tagore Society For Rural  
 Development \* Friends of Trees \* Centre For  
 Study of Man and Environment \* North Eastern  
 Society For Preservation of Nature \* Society  
 For Wildlife Avifauna and Nature Study \* Help  
 Tourism \* Forest Protection Committees  
 \* Ecodevelopment Committees, \* Paschim  
 Banga Bigyan Mancha \* ENDEV \* Paribesh  
 Unnayan Parishad.

## **2. Policy and Legal Structure :**

Multifarious activities such as survey of flora, fauna, forest habitat management, afforestation and regeneration of degraded areas; prevention and control of pollution; establishment of protected areas; regulation of hunting, felling and Wildlife-related trade; protection of environment; international collaboration and cooperation; research and awareness programmes and above all socio-economic development are intimately linked with the success of Biodiversity Conservation. All these activities are well supported and guided by a set of legislative and regulatory measures in the international, national and state levels.

The 73rd Amendment Act 1992 of the constitution of India on Panchayats, which adds as 11<sup>th</sup> Schedule in the constitution has eight entries that are linked to environmental protection and conservation. Entry 8 of the 12<sup>th</sup> Schedule added to the Constitution by the 74<sup>th</sup> Amendment Act 1992 assign the function of 'Protection of Environment and Promotion of Ecological Efforts' to urban and local bodies.

Different biodiversity related Action Plans and Policies have also been adopted by the Government of India. Indian Environmental Action Plan (1993, 1996) identified conservation and sustainable utilisation of biodiversity related to ecosystem as one of the seven priorities for further action. The National Conservation strategy and Policy Statement on Environment and Sustainable Development (1992), National Forest Policy (1998), National Wildlife Action Plan (1973, 2002) and National Biodiversity Action Plan (2008) provided due consideration to the needs of local people and their support as well as involvement in the conservation of Biological Diversity. Recently Ministry of Environment and Forests, Govt. of India has published, India's Fourth National Report to the Conservation of Biological Diversity (2009).

India is also a party to various international Conventions and Agreements relevant to biodiversity such as, CITES (1973), RAMSAR (1971), World Heritage (1972), Bonn

Convention on Conservation of Migratory species of Wild Animals (1979), CBD (1992), Convention on Wetlands (1971), Vienna Convention on Ozone layer (1985), Montreal Protocol on Ozone layer (1987), Basel Convention on Hazardous Wastes (1989), UNFCCC (1997), Cartagena Protocol on Biosafety (2000), UN Convention to combat desertification (1994) and many others.

Adopting a consultative process with the stake holders, a National Policy and Action Strategy on Biological Diversity has been drawn up as a macro-level statement of strategies, gaps and further actions needed for conservation, sustainable use and strategies and realization of actual as well as potential value of Biological Diversity.

Often the natural ecosystem areas are spread over the boundaries of neighbouring countries, e.g. Sundarban Mangrove in India and Bangladesh. Again, population of a species ranges different countries. Thus, for the conservation of such ecosystem or species, regional agreements are necessary. India is a member of South Asian Association of Regional Co-operation (SAARC), South Asian Co-operation for Environmental Programme (SACEP) and others.

Above all, there is Indian Board for Wildlife to devise ways and means for the conservation of Wildlife, Promotion of public interest in Wildlife and to advise Central Government on related matters.

West Bengal being a component state of Union of India is guided by the Acts (Box I), Actions and Policies adopted in the Central level. However, depending on the local situation, a number of Acts and Actions have been implemented in the state level. To advise State Government for formulating policy of protection and conservation, State Wildlife Advisory Board was established in 1955. According to a directive of the Supreme Court, a Green Bench has been established in Calcutta High Court to dissolve the cases on various environmental issues including felling of trees, filling of Wetland, etc. In order to effectively

draw up the charge sheets and pursue the cases in the court, one legal cell has been established in all the divisions under the Wildlife Wing. Orders related to Biodiversity Conservation have also been issued by different departments of the State Government. To Minimise the incidental catch and fishery related mortality of Olive Ridley Turtle, Fishery Department issued order No. 3209-Fish/C-V/IA-2/90 pt.1, dt. 17.11.2000 and Memo No. 1473-Fish/C-V/IP-5/37, dt. 20.11.2000 regarding mesh size of gill net and introduction of TED in fishing vessels.

For the conservation of Wetlands, the State Government has formulated several acts as follows.

\*Town and Country Planning Act, 1979 : To control the land use change.

\*Inland Fisheries Act, 1984 : For conservation of fish species and management of water bodies.

\*Inland Fisheries (Amendment) Act, 1993 : For proper management as well as conservation of wetlands measuring 0.035 ha. or more.

West Bengal State Biodiversity Strategy and Action plan as a component of National Biodiversity Strategy and Action plan has been finalized and submitted in 2002. A set of ten desirable Actions have been prioritized. The most important Action suggested is the formation of Biodiversity Conservation Board at the state headquarters, which will have overall authority to obtain biodiversity related information and spearhead conservation-management initiatives in a sustained manner. The West Bengal State Biodiversity Board has been Constituted and is Working in full swing. During the years of activity the Board has published several 'People's Biodiversity Register' (PBR) and semitechnical books for identification of animals and plants by the non-scientific people. The most important achievement of the State Board is publication of State Biodiversity Rules (2005). Ghosh (2008) published the, 'Status of Environment in West Bengal—A Citizen's Report' In this report he attempted to project the views with



sufficient information/data to the maximum extent on the environment related critical issues including biodiversity.

### 3. *IN-SITU* CONSERVATION :

In West Bengal, the concept of conservation of natural habitats and the species therein is deep-rooted, as Senchal Wildlife Sanctuary was notified as early as in the forties vide No.10699 dt. 18.11.1940, Jaldapara sanctuary on 18.11.1940 vide No. 10694, Gorumara and Chapramari Sanctuaries were notified vide Nos.5181 dt. 2.8.1949 and 10694 dt. 18.11.1940 and No.8403 dt. 30.8.1941 respectively. All these notifications being issued under the Indian Forest Act of 1927 prior to promulgation of Wildlife (Protection) Act, 1972. However, with the advent of the latter Act, the conservation of natural habitat alongwith floral and faunal diversity received a tremendous booster and statutory support. Since then, large-tracts of forest areas including water bodies having ecological significance and importance had been identified by the state and declared as Protected Areas in the form of National Parks, Sanctuaries and Tiger Reserves to ensure an adequate network covering the almost complete range of Biological Diversity in the State. Further, considering the importance of the bio-geographic region and its unique biodiversity, the National Park area of Sundarban Tiger Reserve was included in the list of World Heritage Sites in 1985, and whole Sundarban area was declared as Biosphere Reserve in 1989. Till date, Protected Area network of the state includes 5 National parks, 15 sanctuaries, 2 Tiger Reserves and 1 Biosphere Reserve (Table 10). The existing Protected Area network comprises of 34 percent of state forest area and 4.6 percent of state geographical area. It may be interesting to note that in West Bengal, a unique effort was made to conserve the Himalayan Newt or Salamander by declaring sanctuary in its name and consequently, the Jorepokhri Salamandar Sanctuary was formed in Darjiling district. This is the only sanctuary in the country to be dedicated to the conservation of an amphibian species.

Scientific management plans for each Protected Area is a must to achieve the goal of Biodiversity Conservation. The plan must be based on the sound principles of Biology; it must be practicable in context of the resources at the command of the manager; must conform to laws, policies and regulations in force; must accord with the local socio-economical situation and must be ethically acceptable. As such making a management plan is a time taking affair and requires huge amount of information. West Bengal has made significant progress in the preparation of management plans for Protected Areas and the same for all the Protected Areas except the names below have been completed.

#### **Box 1. Important Central and State Acts with relevance to Biodiversity**

- △ Fisheries Act, 1897
- △ Destructive Insects and Pests Act, 1914
- △ Forest Act, 1927
- △ Agricultural Produce (Grading and Marketing) Act, 1937
- △ Tea Act, 1953
- △ Prevention of Cruelty to Animals Act, 1960
- △ Import and Export (Control) Act, 1980
- △ Seeds Act, 1966
- △ Customs Act, 1962
- △ Indian Wildlife (Protection) Act, 1972
- △ Water (Prevention and Control of Pollution) Act, 1974
- △ Water (Prevention and Control of Pollution) Cess Act, 1977
- △ Marine Products Exports Development Authority Act, 1972
- △ Economic Zone and other Marine Zones Act, 1976
- △ Environmental (Protection) Act, 1986
- △ Foreign Vessels Act, 1980
- △ Forest (Conservation) Act, 1980
- △ Foreign Trade (Development and Regulation) Act, 1992
- △ New Seed Development Policy, 1988

- △ Spices Board Act, 1986
- △ Hazardous Waste (Management & Handling) Amendment Rules, 2000
- △ Biodiversity Act, 2000
- △ Coastal Regulation Zone Notification, 1951
- △ West Bengal Forest Produce (Establishment and Regulation & Saw Mills) Rules, 1982
- △ Town and Country Planning Act, 1979
- △ Inland Fisheries Act, 1984
- △ Inland Fisheries (Amendment) Act, 1953
- △ Biomedical Waste (Management and Handling) (Amendment) Rule, 2003

The management plans for Raiganj, Ballavpur, Halliday and Lothian Island Wildlife Sanctuaries and Chintamani Kar Bird Sanctuary are under preparation (Annual Report, Wildlife Wing Directorate of Forest, Govt. of West Bengal, 2009-10).

Policy decisions were taken to handover administrative control of Protected Areas to Wildlife Wing for more intensive management from wildlife conservation angle.

Regular intensive patrolling and maintaining constant vigil over the PAs is the primary condition for preventing poaching of wild animals, illicit felling of timber, grazing, encroachment and other deleterious activities. For the purpose of patrolling, each Beat Officer arrange for daily and intensive scanning of the forest beat under his control, particularly the sensitive habitat areas by staff on foot, elephant back, launch and boats. During rainy season, rafting of timber along river is a serious problem in North Bengal. Temporary tree top camps are established during rainy season to control such theft of drift timber. Similarly, temporary camps are set up at regular intervals along the course of rivers passing through the PAs.

A host of activities are being regularly carried out in and around PAs for the habitat improvement. While these activities are primarily directed for developing the habitats for identified flagship species and sensitive species, but at the same time sufficient care is

taken for preserving the habitat and food base of associated species living in the PAs. Some of the habitat management activities in the protected areas are mentioned below.

*Overwood removal and fodder plantation* : Rhino and other herbivore species prefer riverine grass land and savannah grassland for food and shelter, controlling the invasion of grassland by the pioneer tree species is an important strategy for development of rhino habitat. As such the process of overwood removal followed by artificial regeneration for maintaining grassland habitat is an extremely important component of management and same is done in a phase manner in Jaldapara, Gorumara, Mahananda and others to halt the encroachment of wood land in grass land.

*Plantation of indigenous grasses* : The plantation of indigenous fodder grasses are taken up in Mahananda, Gorumara, Jaldapara and Buxa in degraded forest areas, or as follow up action of weed eradication and overwood removal. These plantations are done to increase the fodder base for wild animals, so that they get adequate food inside the PAs and do not stray out of the PAs into the human habitation or crop field. Such fodder plantations are being done under the Centrally Sponsored Schemes and State Plan. Only the indigenous species like 'Dhadda', 'Chepti', 'Malsa', 'Madhua', 'Ekra' (*Saccharum* sp.), 'Nal', (*Arundo donax*), 'Khagra' (*Phragmites karka*), 'Bhuttagrass' (*Coix lachrymajobi*), 'Purundi' (*Alpinia* sp.), etc. are locally collected and planted.

*Weed eradication* : Weeds and climbers are acute problems in most PAs in North Bengal. The most common and proliferating weeds are *Leea* sp., *Cassia tora*, *Mikania* sp., *Lantana camara*, *Clerodendron bengalensis*, etc., the growth of which often surpasses that of grasses. For eradication of *Leea* sp., uprooting is done at the time of flowering, i.e., around September, to prevent further propagation of the species through its seeds. Similarly, cutting of *Lantana camara* is done in the month of October. All weed eradication operations are done manually and no weedicides are applied.

**Table-10** : Protected Areas of West Bengal (Source : Anon. 2002. Biodiversity Conservation in West Bengal, Govt. of West Bengal).

Sl. No.	Name Of Protected Area & District	Area (sq. km.)	Major Flora	Major Fauna
<b>A. National Parks</b>				
1.	Buxa N.P., Jalpaiguri	117.10	Sal, Simul, Siris, Khair, Champ, Sidha, Toon, Lali, Lampate, Mandane, Katus, Teak, Orchids.	Tiger, Leopard (Black Panther also) Elephant, Clouded Leopard, Himalayan Black Bear, Civet, Sambar, Serow, Barking deer, Gaur, Pangolin, Python, Raptors, Black-necked Crane and other birds, Moths, Butterflies, etc.
2.	Gorumara N.P., Jalpaiguri	79.45	Tropical moist deciduous Sal forests associated with Odal, Lali, Katus, Dilenia, Simul-Siris-Khair, Terai grassland.	Great Indian Rhinoceros, Leopard, Elephant, Sloth bear, Hog deer, Sambar, Wild boar, Python, Turtle, Migratory birds, Peafowl, Indian Pied Hornbill.
3.	Neora Valley, Darjiling	88.00	Odal, Pterocarpus, Chlanune, Michelia, Kawla, Katus, Buk, Oak, Bamboo, Rhododendron, Tree ferns, Orchids.	Tiger, Leopard, Himalayan Black Bear, Sloth Bear, Civet, Golden cat, Barking Deer, Sambar, Wild Boar, Serow, Goral, Red Panda, Wild dog, Leopard cat, Gaur, Kalij Pheasant, Satyr Tragopan and other Hill birds.
4.	Singalia N.P., Darjiling	78.60	Highest located National Park in West Bengal. Forest type changes with attitudinal Range at 2400-3636. Mailing bamboo, Buk, kawla, Magnolia, Bhujpatra, Rhododendron, Oak, Hemlock, Silver fir, Juniper.	Himalayan Black Bear, Red Panda, Couded Leopard, Leopard cat, serow, Wild Boar, Pangolin, Pika, Barking deer, Kalij pheasant, Satyr Tragopan, Blood Pheasant.
5.	Sundarban N.P., South 24-Parganas	1330.10	Largest Mangrove Forest with 64 species. Nipa palm, <i>Phoenix</i> , <i>Avicennia</i> , <i>Bruguiera</i> , <i>Ceriops</i> , <i>Exeoccaria</i> , <i>Rhizophora</i> , <i>Xylocarpus</i>	Tiger, Fishing cat, Rhesus Macaque, Estuarine-Crocodile, Water Monitor Lizard, Wild boar, Fox, Spotted deer, White bellied Sea Eagle, Goliath Heron, Migratory birds

Table-10 : Cont'd.

Sl. No.	Name Of Protected Area & District	Area (sq. km.)	Major Flora	Major Fauna
<b>B. Wildlife Sanctuaries</b>				
1.	Ballavpur	2.021	Sal, Akasmoni, Sisoo, Amla, Bahera, <i>Ficus</i> species, etc. (mainly plantations).	Spotted deer, Black Buck (introduced), Mongoose, Hare, Jackal, Bengal Fox, common birds.
2.	Bethuadahari WLS, Nadia	0.6686	Sal, Arjun, Teak, Sisoo, Siris, Mango, Gamar and other planted species.	Spotted deer, Jackal, Bengal Fox, Porcupine, Common Langur, Barking Deer, Sambar, Jungle Cat Parakeets, Indian Cuckoo, Hawk, Cuckoo, Barbets and other smaller birds, large Pythons, etc.
3.	Bibhutibhusan WLS, N. 24-pgs.	0.64	Simul, Mingiri, Arjun, Siris, Bamboo etc., all planted species.	Spotted deer. Rich in common birds.
4.	Buxa WLS, Jalpaiguri	267.92	A part of Buxa Tiger Reserve same as Buxa National Park, Buffer area.	Elephant, Leopard, Gaur, Spotted deer, Sambar, jungle cat, Fishing cat, Birds.
5.	Chapramari WLS, Jalpaiguri	9.60	Predominant Sal mixed forest lali, Chilaune, Kanchanan, Bahera, Kawla, Dilenia, Mallotus, etc.	Elephant, Gaur, Leopard, Sambar, Barking deer, Rhesus and Assamese macaque, Hornbill, lesser Adjutant Stork.
6.	Haliday Island WLS, South 24-Pgs.	5.96	Mangrove Forest of Sundarban.	Spotted deer, wild boar, barking deer, Rhesus macaque, Tiger.
7.	Jaldapara WLS, Jalpaiguri	216.51	Terai Grass land, riverine forest, sal forests, Simulo, Kyair, Sisoo, Sidha, Gamar, Mallotus, Kawla, Dilenia, <i>Ficus</i> .	Great Indian One horned Rhino, Tiger, Gaur, Elephant, Badger, Leopard, Sloth Bear, otter, Bengal Florican, King Cobra.
8.	Jorepokhri Salamander WLS, Darjiling	0.11	Developed into a tourist-spot very recently and artificially decorated.	One of the favourite breeding ground of Himalayan Newt or Salamander ( <i>Trilotrion verrucosus</i> )

Table-10 : Cont'd.

Sl. No.	Name Of Protected Area & District	Area (sq. km.)	Major Flora	Major Fauna
9.	Lothian Island WLS, South 24-Pgs.	38.00	Sundarban Mangrove Forest.	Estuarine Crocodile, Olive Ridley sea turtle, spotted deer, jungle cat, Rhesus Macaque.
10.	Mahananda WLS, Darjiling	158.04	Tropical moist deciduous Sal forests, Khair, Udal, Lali, Champ, Teak, Jarul, Sisoo, Gamar, Mandane, Bamboos, Sidha, Ferns, Orchids.	Tiger, Leopard, Elephant, Gaur, Goral, Spotted deer, Golden cat, Himalayan Civet, Hornbill, Racket tail drongo, very rich in birds.
11.	Narendrapur WLS, South 24-Pgs.	0.07	Orchard plantation.	Rich in smaller birds, specially paradise fly catcher, Oriole, etc.
12.	Raiganj WLS, N Dinajpur	1.30	Kadam, Jarul ( <i>Lagerstromia</i> spp.), Sisoo, Teak, Khair, Saccharrum grasses, etc.	Largest nesting place of open bill stork (60,000-70,000 nests). Night Heron, Cormorant, Egrets, Kingfisher, Wood peckers, Barbets, etc., Jackal, Bengal fox, Mongoose, monitor lizards.
13.	Ramnabagan WLS, Barddhaman	0.14	Teak and sal plantation, jamun, Ficus and other plated species.	Spotted deer, common langur, introduced species – Black Buck.
14.	Sajnekhali WLS, South 24-Pgs.	362.40	Mangrove Forest. A part of Sundarban Tiger Reserve.	Spotted deer, Rhesus Macaque, Wild boar, Tiger, Water monitor lizard, Fishing Cat, Otter, Crocodile, Batagur terrapin and Migratory birds.
15.	Senchal WLS, Darjiling	38.88	Magnolia cambelii, Rhododendron, Michelia Bamboo, Buk, Kawla, Utis, Hemlock, Pipli and Crytomeria (planted species)	Serow, Goral, Barking deer, Himalayan Black Bear, Leopard, Leopard cat, Jungle cat, Assamese macaque, Giant Squirrel, Flying Squirrel, kalij, Hornbill, Imperial pegen, Thruses, and other hill birds.

**Table-10 : Cont'd.**

Sl. No.	Name Of Protected Area & District	Area (sq. km.)	Major Flora	Major Fauna
<b>C. Tiger Reserves</b>				
1.	Buxa Tiger Reserve (including WLS & N.P.), Jalpaiguri	760.87 (Core: 385.02, Buffer: 375.85)	As above	As above
2.	MSundarban Tiger Reserve, South 24-Pgs. & North 24-Pgs.	2585.00 (Core: 1330, Buffer: 1255)	As above	As above
<b>Biosphere Reserve</b>				
1.	Sundarban Biosphere Reserve, South 24-Pgs., & North 24-Pgs.	9630	As above	As above

*Control burning of old grass plantations for natural regeneration* : Fodder grass plantations in North Bengal PAs when become more than three years old start losing their importance as foraging areas, since the animals do not prefer coarse grasses. Such three year old plantations are usually brought under control burning operations during winter. In order to create minimum disturbance for animals and to provide them shelter and fodder while carrying out these operations, not more than 12 to 15 such patches of less than 5 ha. in each PA are undertaken in a year.

*Control of wild fire* : Accidental and man-made wild fire is common in most of the PAs of North Bengal. Several fire protection measures such as maintenance of fire line before fire season, construction of tower/tree machan for fire detection, engaging fire watchers during fire season and publicity and public awareness, and others have been adopted. Creation and maintenance of firelines are usually done under centrally sponsored scheme.

*Control of grazing by livestock* : Grazing by livestock from fringe villages is a great threat to the habitat. Domestic livestock not only competes with the wild herbivores for food but also spreads serious diseases. To minimize the hazardous impact of grazing various actions are being taken as detailed below.

- ★ Extensive patrolling specially along the forest boundaries and grazing prone areas.
- ★ The camps situated on the main roads are activated to prevent entry of cattle in the PAs.
- ★ Reduction of low yielding variety cattle through castration of bulls and artificial insemination for improvement of stock
- ★ Regular immunization of domestic cattle against Anthrax, FMD, HS, BQ diseases
- ★ Replacement of low-yielding varieties with high-yield variety.
- ★ Involvement of Eco-development Committee and seeking their cooperation to prevent illicit grazing.

*Reforestation of degraded forest areas :* Substantial chunks of blank areas or degraded forest areas along the boundaries of PAs in North Bengal have been brought under vegetation cover through plantation of indigenous timber, fruit and tree fodder species. Since the inception of Sundarban Biosphere Reserve, plantations are raised in the mangrove blocks, with special thrust on species like *Heritiera fomes*, *Xylocarpus granatum* and *X. mekongensis*.

Joint Forest Management (JFM) outside the PAs in West Bengal has its origin in the success achieved in rejuvenating a patch of 1270 ha. of degraded forests under a pilot project implemented during 1972 near Arabari in Medinipur. The JFM movement gathered momentum when in 1989 a programme of resuscitation and re-establishment of moribund sal and other hardwood forests in the districts of Medinipur, Bankura, Puruliya, Bardhaman and Birbhum was initiated with the active participation and involvement of local people and panchayets. Simultaneously a Government resolution was issued defining the principles of sharing of duties, responsibilities as well as benefit from the forests, with the participating local people living inside and in the fringe of forests. The procedure for establishment of the institution called Forest Protection Committee (FPC), consisting the participants as members, was formalized. The foundation of an innovative participatory forest development, protection and management system was thus laid for the forests of southwestern Bengal which now cover approximately 38 percent of the total forest area of the state. JFM contributed to conversion of vast tracts of scattered, over-exploited and degraded sal and miscellaneous scrub forests to productive pole crop with great improvement in quality and density in many regions of southwest West Bengal. JFM picked up and gathered

momentum after Government resolutions were issued for Sundarban, forests of North Bengal and those lying under the jurisdiction of Darjiling Gorkha Hill Council. A detailed area-wise number of FPC, total members, total protected area and forest land (ha.) per FPC members has been shown in Table 11. A mangrove rehabilitation project already launched envisages the afforestation of embankments with mangrove species over 3,300 ha. and protection of degraded mangrove forest land covering 25, 000 ha. through FPCs.

*Eco-development project in and around PAs :* The concept of JFM in the traditional forestry sector has been extended to the PAs in the name of 'Eco-development' The Government Order for the constitution of Eco-development Committee (EDC) was issued in the year 1996. The objective of the project is to conserve the floral and faunal biodiversity of the protected areas through direct involvement of the fringe population but with a clear distinction of non-sharing of products of PA. The strategy is to carry out ecologically sustainable economic development of fringe population, so that the biotic pressure on the forests for subsistence of fringe population is reduced with social control. Number of EDCs formed around the PAs of West Bengal has been shown in Table 12.

*Others :* Various activities such as thinning of older plantation, conversion of monoculture plantations into mixed plantation, soil and water conservation measures, development of salt-licks, mitigation of man-animal conflict, census of wild animals and others are being systematically carried out to achieve the goal of in-situ conservation.

#### 4. *EX-SITU* CONSERVATION :

The principal institutions holding *Ex-situ* population of animal species are zoos, deer parks, snake parks, aquaria, while that of plant

species are botanical gardens, seed banks, gene banks, etc.

**4.1. ANIMALS :** Zoos play the most important role in *Ex-situ* conservation of animal species. The Zoo Management concept started changing drastically in the 20<sup>th</sup> Century where it had been felt through out the world that zoos have much important role to play rather than being a place of mere amusement and is now considered as an extension of forests. Captive breeding of endangered animals is the main aim of the modern zoo management and the concept "Nature to Zoo" has changed to the concept of "Zoo to Nature" The zoos are also playing a role in developing the awareness among the people and educating the people about the importance and significance of conservation. With the establishment of the Central Zoo Authority (CZA) in February 1992, a systematic documentation of facts regarding captive breeding and exchange of the same with various Zoos have been started. CZA also issues guidelines to be followed by every zoo with respect to captive breeding, maintenance of animals, exchange and loaning and others.

In West Bengal the concept of Zoo and Menageries started long back mainly under private capacity. Some of the oldest Zoos of the state are :

- ★ Barrackpur Menagerie, founded in 1801 and closed in 1879
- ★ Wazir Ali Shah's Menagerie, founded in 1830's and wound up in 1880
- ★ Alipore Zoo, founded in 1875 and continuing.
- ★ Padmaja Naidu Himalayan Zoological Park established in 1958 and continuing.

**Alipore Zoological Garden** is holding nearly 350 specimens (35 species) of mammals, 1300 of birds (65 species), 70 of reptiles (18 species) and 1000 of fishes. Animals are mostly

kept in cages, but with the financial assistance of the State Government and CZA, Open Air Moated Enclosures have been constructed for better housing of Sloth Bear, Tiger, Lion, Rhino and others. Opening of a freshwater aquarium in 1977 added a new dimension to the Alipore Zoo. The Zoo has made significant achievement in respect of captive breeding of a number of native as well as exotic threatened species. This includes Rhino, Lion, Tiger, Leopard, Leopard Cat, Chinkara, Manipur Deer, Hog Deer, Spotted Deer, Barking Deer, Giraffe, Common Marmoset, Common Pea Fowl, Pheasants, Painted Stork, Spoonbill, Marsh Crocodile and many others. Research works on conservation of wildlife in captivity are being regularly carried out by the officers and veterinarians. Regular awareness and training programmes are also organized in collaboration with the NGOs or other Government agencies.

**Padmaja Naidu Himalayan Zoological Park** (Darjiling) is the only high altitude zoo in this part of the world. It possesses (till March 2000) 70 specimens of mammals, 191 of birds and one of Reptiles. Most of its holdings are high altitude species such as Snow Leopard, Himalayan Wolf, Himalayan Black Bear, Red Panda, Yak, Ussuri Tiger, Markhor, Chir Pheasant, Kaleej Pheasant, etc. The zoo is successfully carrying out captive breeding of some of the endangered species of the Himalayan ecosystems, such as, Red Panda, Tibetan Wolf and Snow Leopard. It is also initiating release of the captive bred animals in their natural habitat.

Zoological Survey of India has opened on 4-2-2003 the **Marine Aquarium and Research Centre** at Digha for holding a spectrum of animals of our Marine Ecosystems. It is also educating, motivating and initiating awareness campaigns among the local people, students and tourists on the importance of conservation.



A number of **Deer parks** were established in the state during post-independence era mainly by the Forest Department. Some of these Deer Parks such as Parmadan, Ballavpur, Bethuadhari were elevated to the status of Sanctuary. Deer Parks mainly contain Cheetal and Barking Deer. Besides, antelopes, Nilgai and rescued specimens of other groups of mammals, birds, reptiles are also reared in some of the Deer Parks. Excess deer population from the existing Deer Parks are often translocated in the forested tracts particularly of South West Bengal. Wildlife wing built up a Deer Research Centre at Salt Lake in 1975 covering an area of 0.02 sq.km. Existing Deer parks of the state are listed below.

- ★ Deer Park, Dow Hill, Kurseong
- ★ Gor Chumuk Deer Park, Haora
- ★ Kumari Kangsabati Deer Park, Bankura
- ★ Bellilias Park, Haora
- ★ Corporation Park, Haora
- ★ Jhargram Deer Park, West Medinipur
- ★ Adina Deer Park, Maldah
- ★ Garhmandaran Deer Park, Hugli

Two **Snake Parks**, one in Badu (North 24 Parganas) and other in Kolkata are being maintained under private capacity. These are also maintaining a fairly good collection of reptiles and carrying out awareness programmes to grow love and affection for these creatures.

**Captive hatching and rearing centers** have been established for Salt Water Crocodile, Olive Ridley Turtle and River Terrapin at Sajnekhali and Bhagabatpur by the Forest Department. Wild laid eggs were collected and brought to the centers for captive hatching. Regular release of specimens to the wild is being done successfully from both the centers.

**Reintroduction of wild animal :** Scientists of Zoological Survey of India are

working on a project on reintroduction of once present pygmyhog in Gorumara National Park in collaboration with the department of forests, Government of West Bengal. The state government has decided to start a feasibility study of reintroduction of rhinoceros in Buxa National Park. This study will also be undertaken by ZSI scientists.

In West Bengal, the rehabilitation and restocking of some of the endangered wild animals have been initiated like translocation of more than 1100 Cheetal deers in the forest of South Bengal, Sundarban and North Bengal. The release of marsh Crocodile (421 Nos.) and *Batagur buska* are being done regularly in various creeks and rivers of Sundarban (Table-13). In addition, two Red Pandas have been released in Singalila National Park.

**4.2 Plants :** Large varieties of cereals, vegetables, horticultural crops and forestry related plants are traditionally under *Ex-situ* conservation through the numerous seed banks, nurseries, home gardens, etc. maintained by the Department of Agriculture and Forest, Agricultural Universities, as well as private bodies including farmers, scientists and business houses. In Darjiling district, particularly in Kalimpong, artificial propagation of orchids are being carried out in private capacity. However, largest center for *Ex-situ* conservation of plant species in West Bengal is the **Indian Botanic Garden**, Haora under the Botanical Survey of India.

The Indian Botanic Garden established way back in 1787 is presently a center of excellence. The Garden is the repository of more than 12,000 trees, shrubs and climbers representing over 1400 species together with a large number of wild and cultivated plants. The garden has played a very important role in the economic development of the country by introducing, improving and distributing a number of

economic plants, such as, Tea, Rubber, Jute, Cinchona, Sugar cane, Mahogany, etc. It preserves one of the best collection of native and exotic plants and large number of curious, rare and threatened species. Rich collection of Bamboo, Screwpine, Palm, Waterlily, Orchid, etc., are some of the proud possession of this Garden.

There are ten medicinal plant gardens in the state containing 150 species maintained by the Sylviculture Division of the Forest Department at Mirik, Darjiling. The garden established by the Darjiling Gokha Hill Council is one of the finest of its kind.

#### **5. Training and Awareness Programme :**

No Conservation programme can be successful without people's awareness, involvement and support. A host of activities thus directed towards educating common people, decision makers, enforcement staff and particularly the people living in multiple use areas through Central and State Governments as well as non-Government organisations.

Wildlife Institute of India (WII) is the main training center in order to train Indian Forest Service (IFS) and State Forest Service (SFS) officers as well as the Rangers. Further, WII imparts training on Wildlife management, captive breeding, ecodevelopment for Biodiversity Conservation, community participation in Biodiversity Conservation, wildlife study techniques, Tranquillisation and chemical immobilisation of wild animals and others. Regular training courses covering the subject area of tree planting, nursery techniques, etc. are being organized by the Institute of Forest Genetics and Tree Breeding. Indira Gandhi National Forest Academy arranges professional training to the probationers of the IFS officers to face challenges in the profession on technical

forestry and managerial aspects. For senior forest officials training courses on 'Application of Remote Sensing Techniques in Forestry' are being organized by the Forest Survey of India. Zoological Survey of India regularly organising various training courses on collection, preservation and identification of animals of economic importance, field ornithology, basic taxidermy and wildlife conservation for forest officials, teachers, students and members of the NGOs. Similarly, Botanical Survey of India conducts regular courses on field survey, herbarium methodology and identification of floral species. State Forest Department also organises various training programmes such as veterinary care, capture and release of wild animals, ecodevelopment (irrigation, pisciculture, etc.), wildlife census, handling of captive animals specially elephant, and others for his own staff, EDC, FPC members as well as NGOs.

Key of conservation success lies in the nature education and awareness generation among the common people. In recent years 'Environmental Science' has been included in the curriculum at school and college level. Dissemination of information on the importance, ways and objectives of Wildlife cum Biodiversity conservation is being done by the Central and State Government, NGOs, and business houses through the following means.

- ★ Establishment of well-equipped nature interpretation centers at Madarihat, Kunjanagar, Lataguri, Murti, Lava, Sukna, Darjiling Natural History Museum in North Bengal and Bethuadahari and Sajnekhali in South Bengal.
- ★ Installation of hoardings at strategic points on the National and State Highways, places of tourist interest.

- ★ Circulation of leaflets, brochures, posters to the common people, students, visitors of PAs, highlighting the importance of conservation as well as legal implications.
- ★ Organising regular relevant film shows at schools, colleges, fairs, panchayets and others.
- ★ Release of postage stamps depicting Wildlife.
- ★ Releasing advertisements with appeal for conservation through audiovisual media like TV, Radio, Cinemas, Newspapers, Magazines, etc.
- ★ Organising nature camps, sit and draw competition, debate, lectures for children and youngs.
- ★ Creation of ecotourism zone by involving NGOs and Social Forestry Division.
- ★ Rewarding commendable Biodiversity Conservation initiatives to individuals/groups
- ★ Building up of public opinions particularly by the NGOs to prevent any anti-conservation action or policy.
- ★ Celebration of World Environment Day, Wildlife Week, Forest Week, Biotechnology Day at Government and non-Government level by organising lectures, workshops, exhibition, distribution and planting of seedlings, cleaning operation, film shows and others.
- ★ Following the suggestion of IBWL, *Prionailurus viverrinus* (Fishing Cat), *Halcyon smyrnensis* (White-throated or White-breasted Kingfisher), *Alstonia scholaris* (Chhatim) and *Nyctanthes arbor-tristis* (Shepali/Siuli) have been identified as state animal, bird, tree and flower respectively. This has a very positive impact towards awareness and support for conservation (Plat-I, p. 133).

## 6. Research :

This is a critical component of Biodiversity Conservation. The objective of promotion of

research in multidisciplinary aspects of environmental protection, biodiversity conservation and development are to advance the scientific understanding and to generate information required to develop strategies, technologies and methodologies for better management plan. It also aims attempting solutions to practical problems of resource management, conservation of biodiversity and ecoregeneration of degraded areas. Large number of organizations, such as, Zoological Survey of India, Botanical Survey of India, Wildlife Institute of India, Forest Survey of India, Fishery Survey of India, ICAR, CSIR, Department of Science and Technology, State's Forest, Fishery, Environment, Agriculture Departments, Pollution Control Board, Universities, NGOs like Bombay Natural History Society, Prakriti Samsad, Nature Environment and Wildlife Society, Pugmarks, WWF-India, IBRAD and many others are carrying out extensive research work dealing with the biodiversity of the state, Central and State Governments are the main funding agencies of these research organizations. Further, project specific financial and technical supports are also extended by the international agencies like IUCN, UNDP, WWF-India, International Development Association and Global Environment Trust, U.S. Embassy and others.

It is not possible to provide the total range of research activities. As such some of the major areas of research works either completed or in progress have been mentioned below.

Botanical Survey of India (BSI) and Zoological Survey of India (ZSI) carry out surveys to inventorise and determine the status of floral and faunal resources at the state and national level. Documents of floral and faunal resources at the district and State level are

PLATE 1

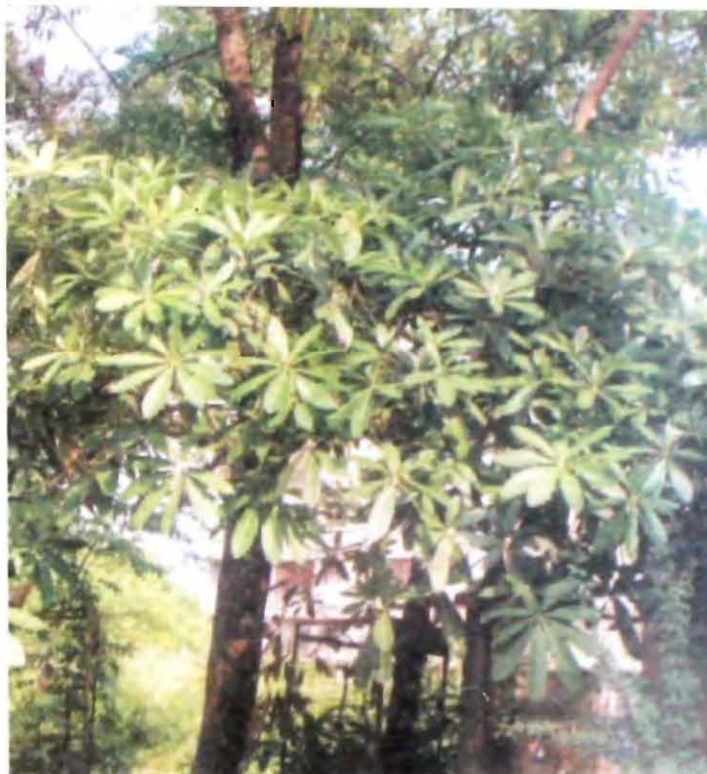
West Bengal State Flower, Plant, Bird & Animal

State Flower



*Nyctanthes arbor-tristis*  
(Shephali)

State Plant



*Alstonia scholaris*  
(Chhatim)

State Bird



*Halcyon smyrnensis*  
(White Throated Kingfisher)

State Animal



*Prionailurus viverrinus*  
(Fishing cat)



being published by them. Identification manuals for different groups have already been published. Red Data Book for vertebrate species and Lepidoptera have been completed and that for invertebrate is under preparation. Recently (2011) a book on critically endangered species of India has been published by ZSI. Number of volumes of Red Data Book on floral species have been published. Recently Ghosh (2010) has published a document on urban biodiversity of Kolkata. A national data base on the Bioperspective survey of plant resources to identify economically as well as ethnobotanically important species for their conservation has been developed at BSI. Similar database on faunal diversity is being developed by the ZSI. The Forest Survey of India publishes every three years, a report on the state of the forest in India based on remote sensing and ground truthing. A compilation of district-wise wetlands in West Bengal has been prepared by the Institute of Environmental Studies and Wetland Management (IESWM), Department of Environment, Govt. of West Bengal. The State Forest Department in collaboration with R.R.S.S.C., Kharagpur is carrying out forest change detection studies and wetland mapping through digital image processing of Indian Remote Sensing Satellite Data. State Wildlife Wing have inducted local universities, institutions and NGOs to undertake collaborative studies on ecosystems and identified endangered species. Such studies include i) Study of Red Panda and Satyr Tragopan in Singalila N.P. (Darjiling Govt. College), ii) Study of Bio-ecological Resources of Neora Valley N.P. (North Bengal University), iii) Food preference study of Rhino in Jaldapara WLS (Raiganj University College), iv) Survey of floral and faunal resources of Mahananda WLS (NEWS), v) Entomological studies in Buxa T.R. (Calcutta University). These studies were

sponsored by G.O.I. Other collaborative studies taken up under W.B. Forestry project (IDA-assisted) include i) Studies on Gaur (WWF-India), ii) Study on Control of illegal trade in Wildlife (Wildlife Protection Society of India, iii) Study on control of Tiger straying in Sundarban (NEWS), iv) Survey of avi-fauna and water quality monitoring in identified Wetlands of W.B. (NEWS) and v) Feasibility study on reintroduction of Pygmyhog in Gorumara National Park (ZSI). Contract studies initiated under the Wildlife and Biodiversity component of W.B. Forestry Project include i) Study on elephant (WII), ii) Study of leopard (WWF-India) and iii) Study of Rhino (WII).

Under "GOI-UNDP Sea Turtle project", NEWS has conducted the survey of sea turtles along the coast of W.B. on behalf of WII. Centrally sponsored projects like i) Population trends of some threatened species of W.B. (NEWS), ii) Ecological crop loss due to wild harvest of prawn seeds in Sundarban Biosphere Reserve (S.D. Marine Biological Research Institute), iii) Identification of Wetlands of Water fowl importance (SACON, Prakriti Samsad) and many others have been successfully undertaken.

Mapping of Environmentally Sensitive Zones and Industrial Sites (Statewise) programme has been taken up by Central Pollution Control Board under the Environmental Management Capacity Building Technical Assistance Projects of the World Bank.

There are many more significant research works related to conservation of biodiversity and their list will be unending. As such, it is concluded with the mention of WII's reviews of the Protected Area network of the country (2002), which has suggested the extension of some PAs in the state to ensure the conservation of the species there in.

**Table-11** : Forest Protection Communities of West Bengal (Source : Dept. of Environment & Ramkrishna Mission, Narendrapur 2002. West Bengal State Biodiversity Strategy & Action Plan. Ramkrishna Mission, Narendrapur).

Division	Total No. of FPC	Total Area Protected (ha.)	Total No. of FPC Members	Forest land (ha)/FPC Members
E. Medinipur	315	41274	44686	0.92
W. Medinipur	542	62629	44017	1.42
Kharagpur	82	12068	18677	0.65
Rupnarayan	182	25296	22258	1.14
Bankura(N)	468	41146	44210	0.93
Bankura(S)	538	40858	50192	0.81
Panchet	221	27618	24865	1.11
Puruliya	174	25479	17865	1.45
Kangsabati I	186	14033	15855	0.88
Kangsabati II	293	24900	28446	0.87
Barddhaman	57	16380	16249	1.00
Durgapur	21	3053	2553	1.19
Birbhum	133	9068	8428	1.07
S-24 Parganas	23	39167	9652	4.05
Darjeeling	41	7827	2699	2.90
Kalimpong	35	15486	1171	13.22
Kurseong	18	2590	906	2.86
Jalpaiguri	49	18204	12169	1.50
Koch Bihar	21	5891	2872	2.05
Koch Bihar SF	22	3405	1458	2.33
Baikunthapur	55	7657	6113	1.25
Buxa T.R. (E)	17	10288	3454	2.98
Buxa T.R. (W)	24	16213	4083	3.97
Sundarban T.R.	10	17565	3875	4.53
<b>Total</b>	<b>3545</b>	<b>488095</b>	<b>386753</b>	<b>1.26</b>

**Table-12** : Ecodevelopment Committees around the National Park/Sanctuaries in West Bengal (Source : Dept. of Environment & Ramkrishna Mission, Narendrapur, 2002. West Bengal State Biodiversity Strategy & Action Plan, Ramkrishna Mission, Narendrapur).

National Park/Wildlife Sanctuaries	Total No. of EDC	Total No. of families
Gorumara National Park	9	1418
Jaldapara Sanctuary	32	15022
Mahananda Sanctuary	11	1751
Singalila National Park	1	22
Sanchal Sanctuary	10	1277
Buxa Tiger ReServe	20	2524
Sundarban Tiger Reserve	16	4283
<b>Total</b>	<b>99</b>	<b>26297</b>

**Table-13** : Year wise record of release of Crocodile Hatchling from Crocodile Project, Bhagabatpur under 24-Parganas (South) Division.

Year	Male	Female	Total	Progressive Total	Place of Release
1979	13	27	40	40	Parchamutli, Matla-II, Gosaba Pirkhali-I, Pirkhali-II, Lothian
1982	3	22	25	65	Netidhopani, Gowa-II, Chamta
1983	6	12	18	83	Netidhopani, Matla, Chandkhali
1984	6	15	21	104	Netidhopani, Chamta-II, Bhurkunda Khali, Bhagmari
1986	1	29	30	134	Netidhopani, Chotta Chamta, Arbiga
1987	17	13	30	164	Pirkhali-7, Chhota Hodi, Chamta-4
1988	15	12	27	191	Haldibari, Buridabri, Chamta
1989	1	12	13	204	Netidhopani, Panchamundi, Chamta-4
1991	11	9	20	224	Chamta-2 & 4, Netidhopani
1992	7	8	15	239	Matla-2 (Surajmukhi Khal)
1993	7	8	15	254	Khewra Shuli Narayantala, Chhoto Chamta-1
1994	3	18	21	275	Chotto Hardy Camp-2, Chand Khali Camp-4
1995	2	12	14	289	Ejukhali, Matla-1, Netidhopani
1996	5	10	15	304	Chamta-4, (Chandra Duani)
1997	4	10	14	318	Netidhopani, Chamta
1998	4	11	15	333	Netidhopani, Chamta
1999	14	6	20	353	Sajnakhali, Netidhopani, Bakkhali & Suddhannakhali
2000	-	-	-	-	-
2001	-	-	-	-	-
2002	5	15	20	373	Chamta, Netidhopani
2003	-	-	-	-	-
2004	1	1	2	375	Chulkati, Dhulibasani
2005	4	10	14	389	Chulkati-Sajnekhali
2006	2	4	6	395	Sundarikhati
2007	2	4	6	401	Sundarikhati khal in Ajmalmari-7 Reserved Forest Block
2008	-	-	-	-	-
2009	12	8	20	421	Chulkati-I

Source : Annual Report (2009-2010), Wildlife Wing, Directorate of Forests, Govt. of West Bengal.

## DISCUSSION

Maintaining the highest number of species without considering their taxonomic position makes little sense in terms of biodiversity. For example 80 percent of the total species on earth occur in terrestrial ecosystem mainly because vascular plants and insects are so numerous on land accounting for 72 percent of all described species. But the sea contains greater proportion of higher taxonomic units. Marine ecosystem contains representatives of 34 phyla while terrestrial environments are home to only 28 phyla. Within the limits of the state, Medinipur may be considered as the maritime district and South 24 parganas to some extent. In terms of

taxonomic units, Medinipur district tops the list with representatives of 18 major and minor faunal phyla among the total 20 phyla recorded so far from the state (Text-fig. 27). South-24 parganas also have a diversity level nearest to Medinipur district with the occurrence of 16 phyla. However, diversity in respect of taxonomic unit is much less in Murshidabad with representation of only 8 phyla. When faunal species richness is considered, Darjiling district comes first with 4387 species and Kolkata share the next position with 2555 species (Text-fig. 28). Darjiling district contains significantly higher

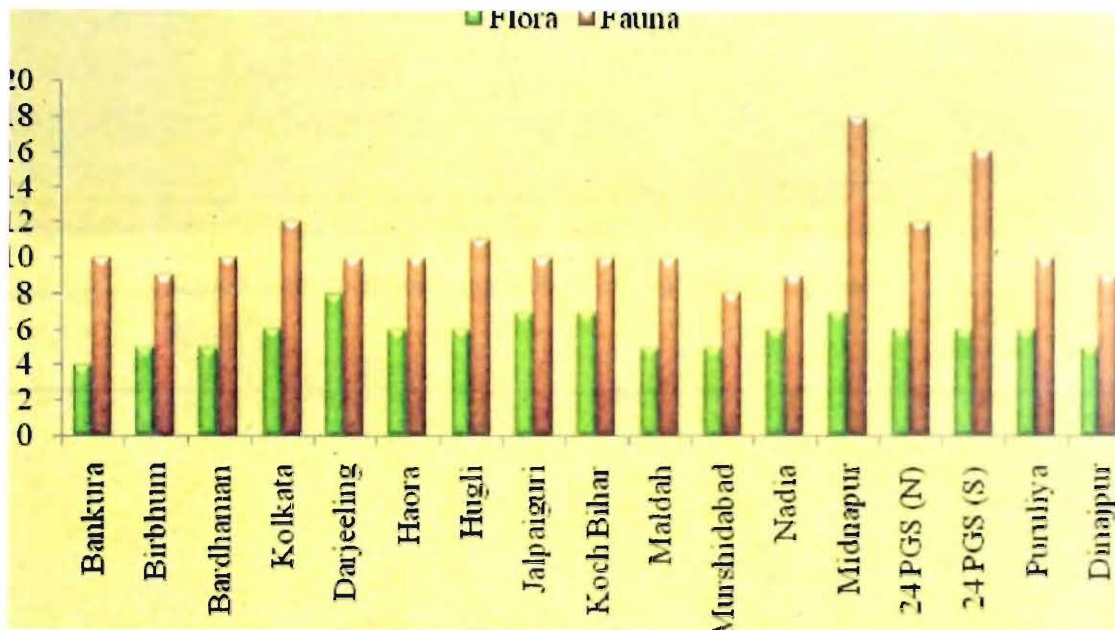


Fig. 27 : Diversity in phyla in fauna and flora in different district of West Bengal.

number of floral species also (2439 Nos.) followed by Medinipur (871 Nos.), while districts like Bankura, Birbhum, Puruliya have less than 500 species each (Text-fig. 29). Grid-wise concentration of species richness in different parts of West Bengal (Text-fig. 30) shows a higher number of species in northern and southern parts.

Alfred *et al.* (2004) found a positive correlation ( $r=0.242$ ) between total forest cover and species richness in the districts (Text-fig. 31). It is true that agricultural land

shares a major part of total land area of the state, which obviously influences the distribution of fauna. There is a direct interaction and even conflict of human beings with both the major and minor animal groups in different parts all over the state in which a sq. km area is occupied by 904 individuals. Conserving these faunal elements occurring outside the protected areas matters more because they are equally valuable in maintaining the biodiversity in totality. Human population densities in different districts of the



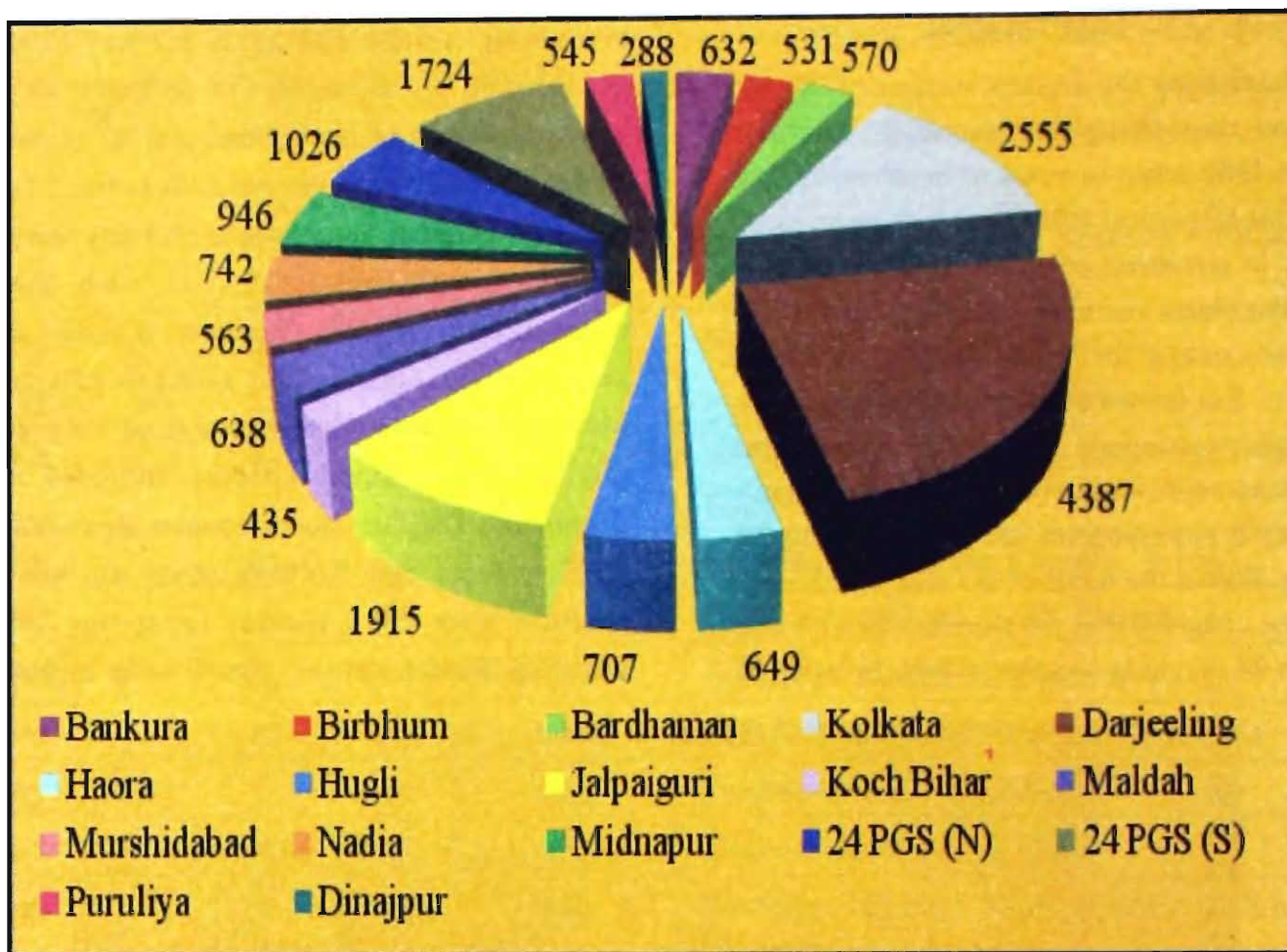


Fig. 28 : Diversity of faunal species in different districts of West Bengal.

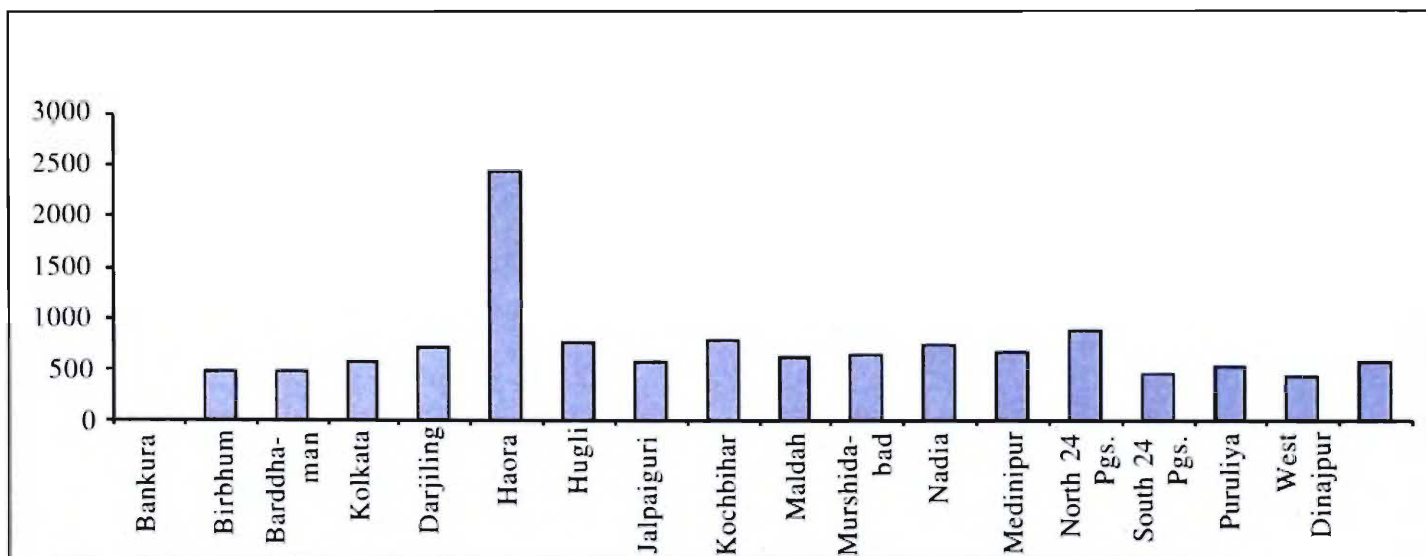


Fig. 29 : Districtwise floral species richness in West Bengal.

state show a negative correlation ( $r = -0.226$ ) with the species richness comprising flora and fauna together (Text-fig. 32).

Some of the previous chapters provide a panoramic glimpse of the rich and diverse plant and animal life along with their rapid decline

even to the point of extinction in the state. Till recently our priority hitherto has been—Development, with a capital D! Mainly to accommodate the ever-growing human populations, all out efforts are being done with no respect for nature, no thought for other

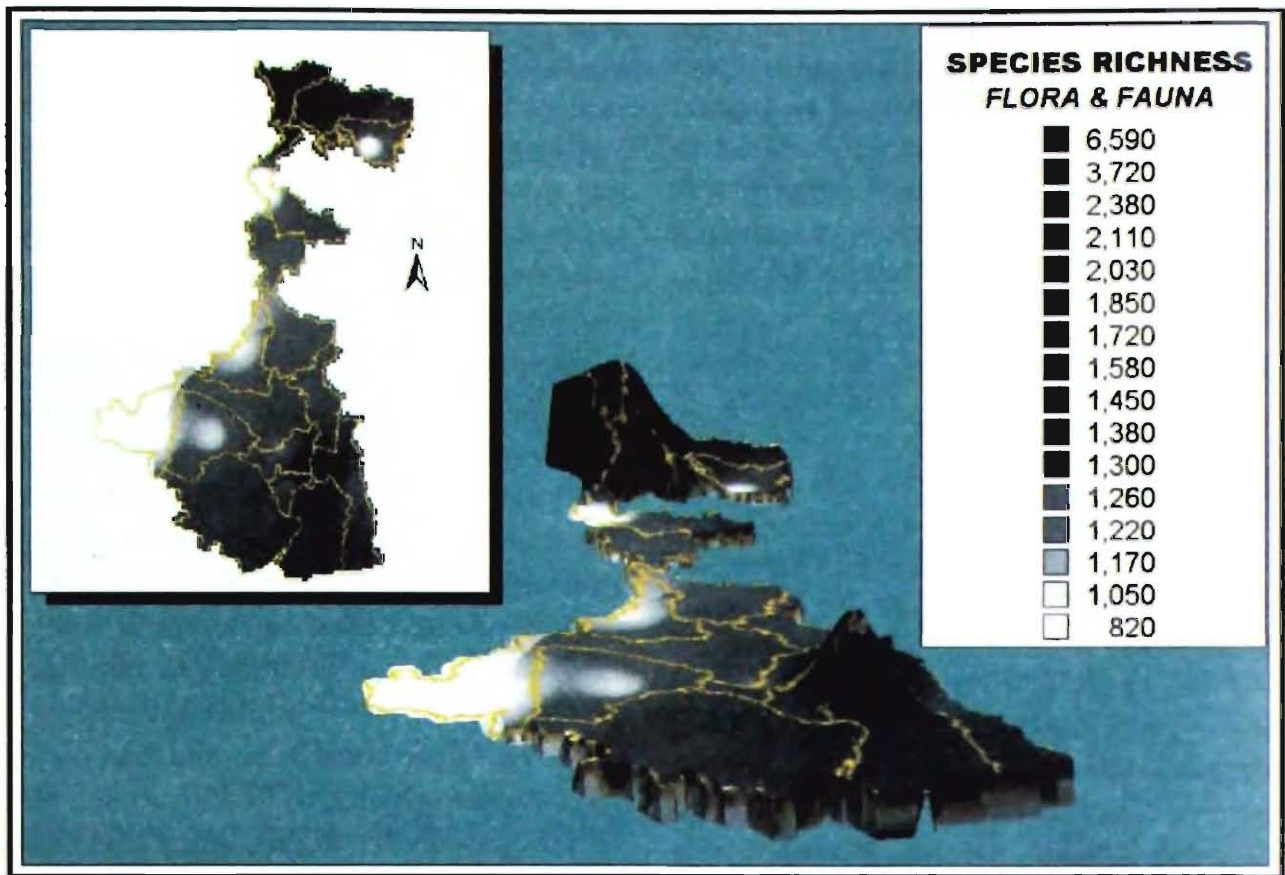


Fig. 30 : Grid-wise concentration of species richness in different parts of West Bengal.

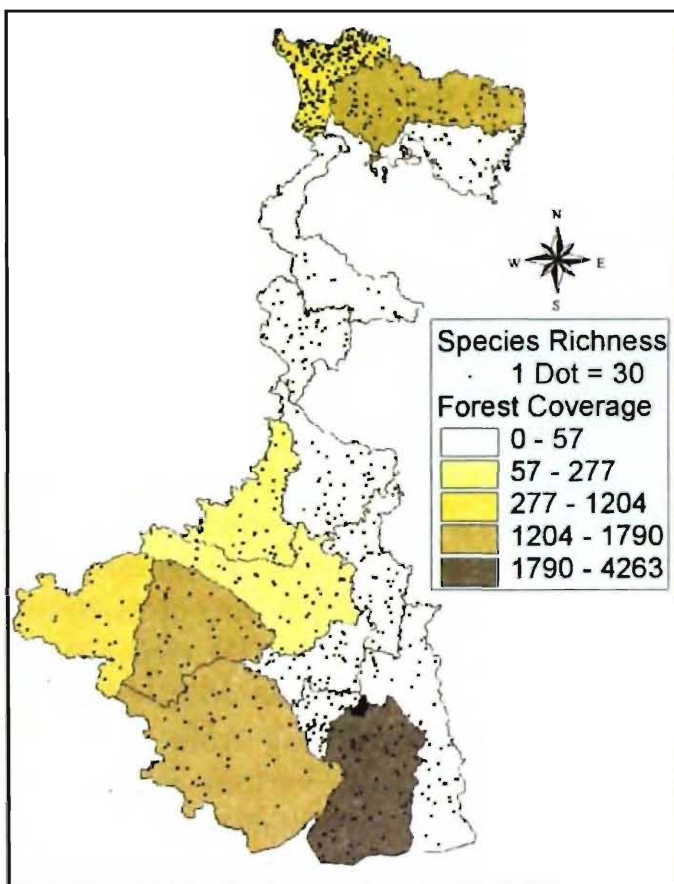


Fig. 31 : Status of forest cover (sq. km.) and species richness (flora & fauna) in West Bengal.

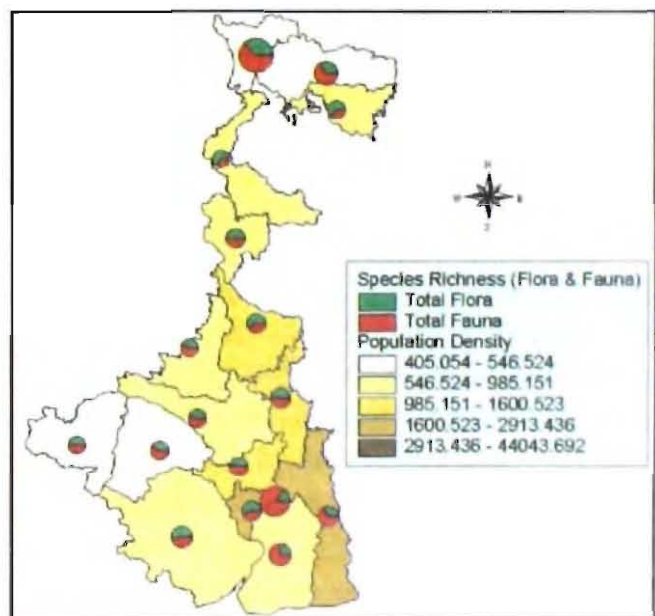


Fig. 32 : Human population density (per sq. km.) and species richness (flora & fauna) in West Bengal

living beings, and no concern for the tomorrow. However, it is heartening to note that in recent past scenario has been changed to a great extent. Since nineteen seventies there is growing concern for wildlife and subsequently the total aspects of biodiversity. As already stated various steps, policies, actions have been adopted not only to protect and preserve what remains of our fauna, flora and natural habitats but also to devise ways and means of augmenting this priceless natural resource. Now it is not necessary to plead the case for biodiversity any more than it is necessary to argue for the continued existence of mankind. The plain fact is that we can not live without it as we are a part of the unity called life on earth and if any part is injured or destroyed, other parts will certainly be impaired in their turn. This is the truth which just can not be ignored.

As a component of National Biodiversity Strategy and Action Plan, West Bengal State Biodiversity Strategy and Action Plan (2002) and Status of Environment in West Bengal—A Citizen's Report (2008) have been finalized by a team of experts from Government and non-Government sectors. The said plan worked out present status of environment and biodiversity in the State, gaps in our knowledge, strategies, needed action, respective actors, time frame for each action and other related aspects. In the meantime National Wildlife Action Plan (2002-2016), which is also concerned with the conservation of biodiversity, has also been finalized. However, from the understanding of the ecosystems and species diversity of the state, existing gaps and problems of their conservation alongwith ever increasing human populations certain further recommendations have been made in the following to ensure that we have sustainable development without destruction, and that we can take of the resources as we leave behind for the future generations.

### **I. Protected Areas :**

Protected areas represent amongst our last reserves of biological diversity, as also the basis

of survival of culturally diverse and sensitive traditional communities. These areas must remain inviolate from urban and industrial pressures. However, the process of setting up and managing these protected areas has also resulted severe problems for local communities dependant on their natural resources for livelihood and sustenance. Almost always, areas have been declared national parks or sanctuaries without adequate consultation with these communities and have resulted in their rights being terminated, access to basic resources being cut off without adequate provision of alternatives. In this situation, a feeling of hostility amongst local communities has quite naturally built up, resulting in conflicts of various kinds. These conflicts threaten the objectives of protected areas and also the local communities which live in and around them. This people - conservation conflict tends to take attention away from the more deep - rooted problem facing both protected areas as also forest dwelling communities; over - exploitation of resources by dominant urban-industrial interests. The major aim of protected areas is the conservation of biological diversity present in them. However, human settlements and human modified ecosystems are a part of the systems being conserved. Traditional communities and their activities are as much a part of the ecosystem as the wild plants and animals and their protection should be a part of the objectives of protected areas. Indeed there are scientific evidences which suggest that limited forms of human intervention may actually increase local levels of biodiversity. At present by law, the wildlife wing of the Forest Department of the state has the responsibility of management of protected areas. Often the serious problems arising from a lack of coordination between various government departments operating in and around protected areas. Example of Sundarban may be given where often conflicts arising among he policies of Forest, Fisheries, Tourism and other departments.



It is necessary to resolve the above problems and to make conservation of biodiversity in protected areas as invocation of the local people and not imposition. But to do so, there is an urgent need for all concerned people and agencies to unite, and to build partnerships of joint decision making. As such Joint Protected Area Management policy as far as practicable is recommended. This is the conceptualization, planning, and management of protected areas and their surrounds, with the objective of conserving natural ecosystems and biodiversity, therein, while ensuring the livelihood security of local traditional communities, through mechanisms which ensure a partnership between these communities, government agencies, and other concerned parties. There is a need to study the diversity of experiences on how either government or community control had worked towards conservation of natural habitats; further, what could be the respective sharing of powers, rights, responsibilities and function of each partner (Community, Government agency, NGO, etc.).

## **II. Human resource development and personnel planning**

Information on the biota is a prerequisite for undertaking appropriate conservation strategies and this has been emphasized in the CBD (1992). Documentation of biodiversity is the primary requisite for biodiversity conservation and therefore, in order to develop scientific conservation strategies, it is necessary to develop taxonomic skill. With the degeneration of taxonomic expertise in the current century, taxonomic investigations are at crossroads. Fortunately headquarters of two premier taxonomic institution *viz.*, Botanical Survey of India and Zoological Survey of India are located at Kolkata and both having enormous series of comparative material. These institutions should be provided with the fullest support to carry out advanced taxonomic researches and to render proper training for building up capacity of such researchers.

Conservation of biodiversity and its sustainable utilization is a challenging issue of the day and requires committed biologists and social workers who possess scientific competence, organizing and planning ability aided by communication skills. They also need sharp detection and enforcement capabilities against organized criminal elements nursed by big-money illegal trade. Frontline staff equally must have similar skills at the grassroots level. The current capacity building, personnel planning and management measures need to be greatly strengthened for the conservation of biodiversity which is distributed over diverse ecosystems and facing multifarious threats. Several organizations like Wildlife Institute of India (WII), Indira Gandhi National Forests Academy (IGNFA), Indian Institute of Forest Management (IIFM), Indian Institute of Public Administration (IIPA), Zoological Survey of India (ZSI), Botanical Survey of India (BSI), Eastern Forest Rangers College (Kurseong) and few NGOs organize regular training courses on biodiversity research and forest management. These training programmes often do not include the common people such as fishermen, peasants, minor forest produce collectors, and others who are in regular interaction with the local biodiversity. As compared to the richness and extension of the biodiversity and existing threats, the number of staff engaged in the conservation activities is far below the requirement. Understanding this ground reality, our Honourable Ex.Prime Minister, Shri Atal Bihari Vajpayee stated in the 21<sup>st</sup> meeting of Indian Board of Wildlife that State Governments should increase the staff engaged in conservation activities and give them better training, facilities and equipment.

Under the above circumstances, it is recommended that training programmes on biodiversity conservation, management and sustainable use to be organized at Panchayat level taking common villagers, traders, teachers, manufacturers, field staffs belonging

to Forest, P.W.D., Tourism, Fisheries, Tribal Welfare, Agriculture, Development and Planning departments as target group. Faculty members for such training programme should primarily be comprised of specialists from local Forest, Environment and Fisheries departments and NGOs. As and when necessary service of expertise from WII, IGNFA, IIPA, IIFM, ZSI, BSI, and other organisations may be sought for. However, care should be taken that language of the speaker may not be a barrier for understanding the subject. Special training programmes to be organized for members of different enforcement authorities such as Forest, Police, Customs, Coast Guards, Border Security Force, and others regarding preliminary identification of Schedule and CITES listed species; various legal implications and procedures related to biodiversity conservation. To combat with the poachers, smugglers, and militants, ground staff of the forest department should be equipped with sophisticated arms and ammunition after providing necessary training by the expertise from Defence department. As the management of biodiversity in different situation requires full time service of large number of persons, it is necessary to fill up immediately all the posts lying vacant particularly at the field level in the Forest, Fisheries, Environment and other related department. It is a fact that the resources of the State Government is limited. However, as Honourable ex-Prime Minister suggested, "This limitation can be considerably over come through innovative initiatives such as redeployment of surplus employees in other departments, hiring local people on a voluntary or honorary basis, raising donations from business houses and other members of the public in return for a greater role for them in implementing programmes" Apart from the basic training on the conservation of biodiversity, advanced courses on the wildlife census, use of Internet, GIS, Radio-telemetry and related technology are to be imparted at

appropriate level. A data base for basic-trained and another for advance-trained persons to be developed and maintained in a central office.

### **III. Monitoring and Research**

It has been clearly stated in the National Wildlife Action Plan (2002-2016) that monitoring and research are tools for a better understanding of nature, its functions and to enable optimum or sustainable utilization of its resources, as well as to evaluate the conservation status of species and habitats and the extent of impact of conservation endeavours undertaken. Such understanding will also help to reduce man-animal conflicts. Developmental projects are often undertaken on expediency rather than hard data and this sometimes results in permanent damage to fragile ecosystems. There is no doubt numerous long-term and short-term biodiversity related research projects are being carried out by the universities, State and Central Government Organisations, NGOs and others. Findings of these researches helped a lot in the management and conservation of biodiversity in the State. However, several basic information necessary for the proper management of biodiversity are still lacking. Handbooks for identification of threatened and CITES related species are not yet available for many of the groups; species-inventory of protected areas are not complete; Methodology for sustainable commercial use of most of the medicinally or economically important plant and animal species not yet developed; reintroduction and restocking feasibility of threatened species not been properly evaluated; and many others indicate existing gaps in this regard.

It has already been stated that large number of organizations are carrying active research for the success of biodiversity conservation. However, often there is lack of coordination among these organizations. Thus it is recommended that a committee may be formed with appropriate representatives of the different organisations under the control of

State Biodiversity Board. The committee will assess the current state of knowledge and determine the priority of the research projects to be taken and help to build up necessary coordination among different organizations. Considering the local situation following aspects of research may take priority in action.

- a. Inventorisation of species in different habitats and molecular characterisation of the economically valuable species alongwith key stone, umbrella, rare, endangered species.
- b. Documentation, inventorisation and utilization of ethnic knowledge for conservation; sophistication of ethnic knowledge about various utilization of bioresources for commercial viability.
- c. Feasibility of reintroduction/restocking of threatened species.
- d. Carrying capacity of Protected areas with special reference to key species.
- e. Mapping of sensitive sites and identification of sensitive species.
- f. Developing warning system against natural calamities.
- g. Veterinary aspects with special reference to wildlife species.
- h. Impact of mass scale use of chemical pesticides and fertilizers.
- i. Identification of wild relatives of domesticated plants and animal species.
- j. Monitoring and mitigation of man-animal conflicts owing to fragmentation of wildlife habitats and success of JFM.
- k. Utilisation of remote-sensing techniques in the field of land use, flood control, weather forecast, forestry, crop disease, marine resource assessment, soil conservation, limnological studies, etc.
- l. Sustainable utilisation of species and ecosystem.
- m. Restoration of indigenous species lost due to encouragement of high yielding varieties.

- n. Improvement of socio-economic condition and alternate income generation.
- o. Status of pollinators in different ecosystem.

#### **IV. Management of natural habitats outside the Protected areas**

Vast stretches of natural habitats covering patches of forests, wetlands, grasslands, coastal lands, crop lands, orchards, wastelands, etc. used to serve as hosts of large number of wild species from micro-organisms to mammals. Several districts of south and north Bengal maintain sacred groves, which are declining fast under the anthropogenic pressure and continuing encroachment on land. In the tribal belts of Puruliya and Medinipur such tradition are still going on. In Medinipur fresh blood of a fowl is offered at the base of a grove where their deity "Marangburu" resides. 'Panchvati" in Dakhineswar is also one such sacred grove worshipped in a different way. Many other such folk lores are associated with different rituals performed by various sections of the common masses in this state. Further, these lands are of critical importance in respect of grazing, fishing, fuelwood/fodder/medicinal plant collection, animal corridor, spatial movement of spillover species outside Protected Areas. More over, the occurrence of a species in a protected area is no guarantee of long-term security. It has already been described that many of the protected areas are subject to continuing pressures of encroachment, degradation and hunting. Even areas which are adequately protected are often too small to maintain the viable populations of species which live at low population density or which are nomadic or migratory. These problems are becoming increasingly pressing as habitats outside protected areas become more and more altered and degraded, leaving protected areas as 'islands' of natural or seminatural habitat. Natural habitats outside Protected Areas are rapidly losing their characteristics and degraded owing to encouragement of high yielding agricultural crops, urbanisation,

promotion of social forestry, construction of roads, industrial development and others. These has affected not only the biodiversity of natural habitats but also increased pressures on the forested tracts and disturbance in the movement of forest dwelling species. Under the circumstances, the areas outside protected area are in need of more active management if they are to be maintained for their ecological integrity and continue to play their role in preventing the extinction of species.

To restore the degraded natural habitat areas and to prevent further degradation, mapping of district-wise available natural habitats particularly those outside private holdings to be done on priority basis. Any transformation of mapped areas for development or other purposes should preceded by impact assessment on the biota. In a recent trend it has been noticed that age-old trees are being cut or swamp areas are filled up without considering the consequences on the biodiversity. A definite policy is to be evolved to curve this trend. Traditional and current use pattern of private property, common lands and waterbodies to be preserved. Specific programmes to be framed through participatory management for restoring degraded or partly degraded areas and subsequent monitoring of the impact.

Without doubt, the need to save the biodiversity is of utmost urgency. Human ego, greed and population pressure have already done irreparable damage of the biodiversity. Fortunately there is a growing awareness among the policy makers and common people about the significance of biodiversity conservation and this is particularly true for the State of West Bengal. Existing national and State conservation strategy for living resource conservation and sustainable development are providing both an intellectual framework and practical guidance for conservation actions. However, certain gaps exist as regard to

implementation and follow up actions. Lion share of the budget is spent for high sounding projects dealing with charismatic species ignoring other equally important (if not more) species living in the ecosystem. Often these projects do not involve the son of the soils who understand the situation and actual requirement better than the people coming from outside. No doubt expertise is required, but at the same time involvement of local people alongwith their traditional knowledge will contribute in the better achievement and percolation of resources at ground level. Base line data on the population, behaviour, feeding and breeding habits, habitat utilization, movement threats and other ecological processes are important requirements for planning management of biodiversity. Authentic data in these aspects can be procured from the local people easily after providing appropriate scientific training. Scientific processing and subsequent interpretation of data thus obtained can be utilized suitably. Such practice will automatically improve the economic condition of the poverty-stricken forest and rural people which in turn automatically reduce the direct pressure on biological resources. Strict imposition of several biodiversity-conservation related Acts have taken away the traditional rights of the large section of economically deprived people on the biological resources. For livelihood they often become party to illegal timber and other wildlife trade resulting enormous permanent loss of biodiversity. As such goals of conservation can only be achieved not by prohibition but through sustainable utilization of under used biological resources and generating gainful employment in conservation related activities.

### **SUMMARY**

Huge amount of biodiversity related data of West Bengal have been accumulated particularly for higher groups of plants and animals. Challenging issues of biodiversity conservation and its sustainable utilization

become complex and multifarious. Each state or region within the country has specific necessary elements concerned with biodiversity, which need to be integrated into the framework of action plan. It is the primary requirement for regional policy makers and managers of biodiversity to have status report. Unfortunately, most of the valuable data on the biodiversity of the state are very much scattered and have limited use. It is essential that relevant and user friendly data bases are prepared and made available through modern information technologies.

Owing to favourable agroclimatic condition, West Bengal was always one of the most populated states of the country. The problem of population explosion has been aggravated due to huge immigration from East Pakistan (now Bangladesh) since 1947. As per census 2011, population of West Bengal has reached 913.47 lakhs (fourth among Indian provinces) and population density standing 1029 per sq.km. (second to Kerala). Since 1971, the population of the state has become more than double. This has created tremendous pressures on the natural habitats and resources alongwith transformation for agriculture, developmental projects and urbanization.

Varied physical environment of the state have given rise great diversity in ecosystems in one region to other. The recorded forest of West Bengal is about 11,879 sq.km. i.e. 1.54 percent of the recorded forest of India and 13.4 percent of state's total geographical area. At least 10 different kinds of forests can be found within the limits of the state. Maximum diversity of forest ecosystems are met within the northern parts mainly due to altitudinal variations. Northern Tropical Dry Deciduous type has the greatest coverage (4,527 sq.km.) but in a very much degraded state. Littoral and Swamp (Mangrove) forest is extended over 4,263 sq.km in estuarine south West Bengal. It is the only mangrove forest of the world (except Bangladesh) which supports population of

Tiger – *Panthera tigris*. North Indian Moist Deciduous forests alongwith its grasslands in North Bengal provide second home to a Great On - horned Rhinoceros – *Rhinoceros unicornis*, and many other threatened species including Hispid Hare – *Caprolagus hispidus* , Bengal Florican – *Eupodotis bengalensis*, etc. Out of five main grass covers of India, three, viz., Phragmites – Saccharum – Imperata type, Themeda – Arundinella type and Temperate-Alpine type are found in the state. There are 54 natural and nine man-made wetlands which cover more than 100 ha. These alongwith numerous small water bodies cover an area of about 3,44,527 ha. which is nearly 8.5 percent of the total wetland area in India. Diversity of wetland plants of West Bengal is richest in India and is represented by more than 380 species belonging to 170 genera and 81 families.

With the increased importance of biodiversity conservaton, more and more agencies in the Government as well as non-government levels are being involved directly or indirectly in the process of conservation. Multifarious activities such as survey of flora, fauna, forests and wildlife; habitat management; regeneration of degraded areas; prevention and control of pollution; establishment of protected areas; regulation of hunting, felling and wildlife related trade; research and awareness; socio-economic development; sustainable use of natural resources; *Ex-situ* conservation; international collaboration and cooperation and many others are being taken. All these activities are well-supported and guided by a set of legislative and regulatory measures in the international, national and state levels. Different biodiversity related Action Plans and Policies such as Indian Environmetnal Action Plan (1993), National Forest Policy (1988), National Conservation Strategy and Policy Statement on Environmment and Sustainable Development (1992), National Wildlife Action Plan (1973, 2002), etc. provided due considerations to the needs of local people and



their support. West Bengal State Biodiversity Strategy and Action Plan as a component of National Biodiversity Strategy and Action Plan has been drawn up.

The known faunal diversity of the state consists of at least 11042 species out of 91771 present in the country and 1239166 in the world. The number of floral species goes upto 7000 against nearly 49000 species known from India. A large number of species of both the groups are represented by several subspecies, varieties and races. This has resulted further richness in respect of genetic diversity. Explorations of a number of districts are not yet been done properly. However, districts of Darjiling and Kolkata exhibit higher species richness. Domestic biodiversity of the state is equally impressive. With large number of varieties and breeds. An attempt has been made to provide lists of species.

State biota is enriched by holding a enormous number of species having significance in respect of conservation, zoogeography, taxonomy, economy, endemism and other aspects. Some of these species have been focussed and listed.

Biodiversity and significance of the Protected Areas of the state have been discussed. Sundarban, Jaldapara and Mahananda have been identified as top priority areas in respect of conservation.

Various factors resulting loss of biodiversity in different sectors have been dealt with alongwith the causes behind them.

It has been found that species richness of the state is directly proportional with the forest cover, while the same is almost inversely proportional with human population density.

Objectives of Protected areas often can not be fulfilled owing to the resistance of the local communities who were dependant on the

natural resources for livelihood and sustenance. To resolve the problem there is urgent need for all concerned people and agencies to unite, and to build partnerships of joint decision making. Thus, Joint Protected Area Management Policy as far as possible has been recommended.

The current capacity building and personnel planning and management measures need to be greatly strengthened to meet the challenging issues of conservation. Large number of organizations are conducting training programmes. However, such training programmes often do not include common people such as fishermen, peasants, minor forest produce collectors and others who are in regular interaction with the local biodiversity. For human resource development, training programmes to be organized at Panchayet level taking common villagers and field staffs of biodiversity related departments as target groups. Care to be taken that the language of the speakers may not be a barrier for understanding the subject. A data base for basic trained and another for advance-trained persons to be developed and maintained in a central office.

Numerous biodiversity related researches are being carried out. Findings of these researches helping a lot in the management and conservation of biodiversity. However, researches related to the local situation should be given priority in action. Further to obtain authentic data, project authorities should involve the local people living in and around the natural habitat areas.

Goals of conservation can only be achieved not by prohibition but through sustainable utilization of under used biological resources and generating gainful employment in conservation related activities.

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# **PART-II**

**BACTERIA**

1. ***Aeromonas hydrophila***  
Habitat : Soil/Water/Sewage.
2. ***Aeromonas punctata***  
Habitat : Soil/Water/Sewage.
3. ***Agromonas fumefaciens***  
Habitat : Soil/Water/Sewage.
4. ***Alcaligenes pagadoxus***  
Habitat : Plant gall forming.
5. ***Arthrobacter globiformis***  
Habitat : Water/Soil/Sewage.
6. ***Arthrobacter vinelandii***  
Habitat : Water/Soil/Sewage.
7. ***Bacillus rubotibis***  
Habitat : Water/Soil/Sewage.
8. ***Bacillus cereus***  
Habitat : Water/Soil/Sewage.
9. ***Bacillus licheniformis***  
Habitat : Water/Soil/Sewage.
10. ***Bacillus maceraus***  
Habitat : Water/Soil/Sewage.
11. ***Bacillus plymixa***  
Habitat : Water/Soil/Sewage.
12. ***Bacillus sphaericus***  
Habitat : Water/Soil/Sewage.
13. ***Bacillus pumillus***  
Habitat : Water/Soil/Sewage.
14. ***Bacillus tunigensis***  
Habitat : Water/Soil/Sewage.
15. ***Bacterium erthrogens***  
Habitat : Water/Soil/Sewage.
16. ***Beigeriucua* sp.**  
Habitat : Water/Soil/Sewage.
17. ***Beggiatoa* sp.**  
Habitat : Water/Soil/Sewage.
18. ***Bordefella perfusis***  
Habitat : Water/Soil/Sewage.
19. ***Brucella abortus***  
Habitat : Water/Soil/Sewage.
20. ***Chlorobium thiosulphilum***  
Habitat : Water/Soil/Sewage.
21. ***Cifrobacter* sp.**  
Habitat : Water/Soil/Sewage.
22. ***Clostridium butylicum***  
Habitat : Water/Soil/Sewage.
23. ***Clostridium perfringens***  
Habitat : Water/Soil/Sewage.
24. ***Clostridium tefani***  
Habitat : Water/Soil/Sewage.
25. ***Clostridium thermoaceticum***  
Habitat : Water/Soil/Sewage.
26. ***Corynebacterium diphtheriae***  
Habitat : Water/Soil/Sewage.
27. ***Cryptococcus neoformans***  
Habitat : Water/Soil/Sewage.
28. ***Desulfovibrio desulfericans***  
Habitat : Water/Soil/Sewage.
29. ***Enterobacter aerogenes***  
Habitat : Water/Soil/Sewage.
30. ***Escherichia coli***  
Habitat : Water/Soil/Sewage.
31. ***Salmonella typhiurium***  
Habitat : Water/Soil/Sewage.
32. ***Heamophilum influenzae***  
Habitat : Air.
33. ***Halobacterium salinasium***  
Habitat : Air.
34. ***Klebsiella* sp.**  
Habitat : Soil/Air.
35. ***Lactobacillus acidophilus***  
Habitat : Soil/Air.
36. ***Lactobacillus brevis***  
Habitat : Soil/Air.

37. *Lactobacillus lactis*  
Habitat : Soil/Air.
38. *Leuconostor mesenteroides*  
Habitat : Soil/Air.
39. *Methnococcus* sp.  
Habitat : Soil/Air.
40. *Methanobacillus omelianskii*  
Habitat : Soil/Air.
41. *Mycobacterium tuberculosis*  
Habitat : Soil/Air.
42. *Neisseria gororrhoeae*  
Habitat : Soil/Air.
43. *Neisseria meningitridis*  
Habitat : Soil/Air.
44. *Nitrobacter winogradskyi*  
Habitat : Soil/Air.
45. *Nitrococcus naobilis*  
Habitat : Soil/Air.
46. *Nitrosomonas europacea*  
Habitat : Soil/Air.
47. *Nocardia asteroides*  
Habitat : Soil/Air.
48. *Pseudomonas aeruginosa*  
Habitat : Soil.
49. *Pseudomonas flava*  
Habitat : Soil.
50. *Pseudomonas marina*  
Habitat : Soil.
51. *Pseudomonas putida*  
Habitat : Soil.
52. *Pseudomonas vesicularis*  
Habitat : Soil.
53. *Rhodospirillum flavum*  
Habitat : Soil.
54. *Rhodospirillum rubrum*  
Habitat : Soil.
55. *Rhodospirillum tenue*  
Habitat : Soil.
56. *Sacina maxima*  
Habitat : Soil.
57. *Sacina morrhuae*  
Habitat : Soil.
58. *Serratra marcescens*  
Habitat : Soil.
59. *Shigella dysenteriae*  
Habitat : Soil.
60. *Sphaerotrilus discophorus*  
Habitat : Waste water.
61. *Staphylococcus aureus*  
Habitat : Soil.
62. *Staphylococcus lactis*  
Habitat : Soil.
63. *Staphylococcus bovis*  
Habitat : Soil.
64. *Staphylococcus faecalis*  
Habitat : Soil.
65. *Staphylococcus lactris*  
Habitat : Soil.
66. *Staphylococcus pneumoniae*  
Habitat : Soil.
67. *Staphylococcus pyoens*  
Habitat : Soil.
68. *Staphylococcus thermophilus*  
Habitat : Soil.
69. *Staptomyces griseus*  
Habitat : Soil.
70. *Staptomyces busmitus*  
Habitat : Soil.
71. *Staptomyces nodosus*  
Habitat : Soil.
72. *Staptomyces venezuelae*  
Habitat : Soil.
73. *Sulfolobus acidocaldarius*  
Habitat : Soil.
74. *Tetrahymena pyriformis*  
Habitat : Soil.

75. ***Thermoactinomyces sacchagi***

*Habitat* : Soil.

76. ***Thermobacterium* sp.**

*Habitat* : Soil.

77. ***Thiobacillus ferrooxidans***

*Habitat* : Soil.

78. ***Thiobacillus thiooxidans***

*Habitat* : Soil.

79. ***Thiobacillus intermedius***

*Habitat* : Soil.

80. ***Thiosarcina* sp.**

*Habitat* : Soil.

81. ***Thiospirillum jenesse***

*Habitat* : Soil.

82. ***Vibrio cholerae***

*Habitat* : Soil.

83. ***Vibrio comma***

*Habitat* : Soil.

84. ***Xanthomonas rinicola***

*Habitat* : Soil.

85. ***Yersinia pertis***

*Habitat* : Soil.

## ALGAE

Kingdom	PLANT KINGDOM
Subkingdom	CRYPTOGAMA
Division	THALLOPHYTES
Class	CYANOPHYCEAE
Order	CHROOCOCCALES
Family	CHROOCOCCACEAE

1. *Aphanocapsa roeseana*

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., South 24 Pgs. (Canning), Hugli, Jalpaiguri, Maldah, Medinipur (Silda, Contai), Murshidabad (Beldanga, Baharampur) and Nadia.

2. *Aphanocapsa banaresensis*

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : Maldah, Medinipur (Contai, Junput) and Nadia.

3. *Aphanocapsa biformis*

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : Maldah, Medinipur (Kolaghat) and Nadia.

4. *Aphanocapsa grevillei*

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : Birbhum, Barddhaman and Medinipur (Garbeta).

5. *Aphanocapsa koorders*

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : Kolkata, Darjiling, Haora and Hugli.

6. *Aphanocapsa litloralis*

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : Barddhaman (Asansol), Kolkata and Koch Bihar.

7. *Aphanocapsa montana*

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : Kolkata, Darjiling, Haora, Hugli and Murshidabad (Baharampur).

8. *Aphanocapsa roeseana forma major*

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : Jalpaiguri, Maldah, Medinipur (Jhargram, Garbeta) and Nadia.

9. *Aphanocapsa thermalis*

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., South 24 Pgs. (Dimond Harbour), Birbhum, Darjiling, Haora, Hugli and Murshidabad.

10. *Aphanocapsa pulchra*

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : Koch Bihar, Dinajpur (Islampur), Jalpaiguri, Murshidabad, North 24 Pgs. and South 24 Pgs. (Diamond Harbour).

11. *Aphanotheca bullosa*

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : Bankura, Birbhum and Haora (Sankrail).

12. *Aphanotheca castagnei*

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : Kolkata.

13. *Aphanotheca microscopia*

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., South 24 Pgs. (Dimond Harbour), Bankura (Harmasra), Kolkata, Murshidabad (Baharampur) and Nadia.

**14. *Aphanotheca naegelii***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : Darjiling, Haora (Uluberia) and Murshidabad (Ragunathgunj).

**15. *Aphanotheca pallida***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : Bankura, Barddhaman, Kolkata, Haora, Hugli and Medinipur (Medinipur Sadar).

**16. *Aphanotheca sraginina***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : Bankura, Barddhaman, Kolkata and Haora.

**17. *Chroococcus cohaerens***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : Bankura (Moynapur), Kolkata, Koch Bihar, Darjiling, Dinajpur, Maldah and Nadia.

**18. *Chroococcus minutes***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., South 24 Pgs. (Falta), Bankura, Birbhum, Koch Bihar, Darjiling (Mirik Lake), Dinajpur, Haora and Medinipur (Contai, Garbeta).

**19. *Chroococcus pallidus***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., Koch Bihar, Darjiling, Dinajpur and Haora (Uluberia).

**20. *Gleocapsa calcarea***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., South 24 Pgs. (Nurpur), Koch Bihar, Darjiling, Dinajpur and Medinipur (Kolaghat).

**21. *Gleocapsa crepidinum***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., South 24 Pgs. (Kakdwip, Frazergunj), Maldah, Murshidabad and Nadia.

**22. *Gleocapsa decorticans***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : Bankura (Bishnupur), Kolkata, Haora (Bagnan), Maldah and Murshidabad.

**23. *Gleocapsa luteo-fusca***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : South 24 Pgs., Bankura, Darjiling, Dinajpur (Islampur), Jalpaiguri, Maldah, Medinipur and Murshidabad (Beldanga).

**24. *Gleocapsa montana***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : South 24 Pgs. (Nurpur), Bankura, Koch Bihar, Darjiling, Jalpaiguri, Maldah and Murshidabad.

**25. *Gleocapsa pleurocapsoides***

*Life form* : Plankton/soil algae.

*Habitat* : Saline area.

*Distribution* : South 24 Pgs. (Sunderban), Murshidabad, Nadia and Puruliya.

**26. *Gleocapsa polydermatica***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., Bankura, Birbhum, Barddhaman, Medinipur (Kolaghat, Medinipur Sadar) and Puruliya.

**27. *Gleocapsa rupestris***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs. (Taki), South 24 Pgs. (Roychawk), Birbhum, Barddhaman, Jalpaiguri, Maldah, Murshidabad and Nadia.

**28. *Gleotheca membranacea***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : South 24 Pgs. (Mathurapur), Birbhum, Bardhaman (Mehar), Medinipur, Nadia and Puruliya (Bagmundi).

**29. *Gleotheca rupestris***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : South 24 Pgs. (Joynagar), Bankura, Haora, Hugli, Medinipur and Puruliya.

**30. *Gleotheca samoensis***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : South 24 Pgs. (Falta) and Murshidabad.

**31. *Gleotheca* var. *maxima***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : Birbhum, Bardhaman, Maldah, Medinipur (Kolaghat) and Nadia.

**32. *Merismopedia convoluta***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : Bankura (Bishnupur), Birbhum, Bardhaman and Puruliya.

**33. *Merismopedia glauca***

*Life form* : Planktonic.

*Habitat* : Estuary.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

**34. *Merismopedia* sp.**

*Life form* : Plankton/soil algae.

*Habitat* : Benthic.

*Distribution* : North 24 Pgs., South 24 Pgs. (Sunderban), Bankura and Puruliya.

**35. *Merismopedia tenuissima***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., South 24 Pgs., Maldah, Murshidabad and Nadia.

**36. *Microcystis aeruginosa***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : South 24 Pgs., Bankura, Kolkata, Koch Bihar, Dinajpur, Medinipur, Murshidabad and Nadia.

**37. *Microcystis benglensis***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : South 24 Pgs. (Dimond Harbour), Bankura, Kolkata, Koch Bihar, Dinajpur, Haora, Hugli, Murshidabad and Puruliya.

**38. *Microcystis elongata***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : Bankura (Onda), Birbhum, Bardhaman, Haora, Hugli, Murshidabad and Puruliya.

**39. *Microcystis flos-aquae***

*Life form* : Planktonic.

*Habitat* : Rice field Estuary.

*Distribution* : South 24 Pgs., Bankura (Joyrambati), Birbhum, Bardhaman, Dinajpur, Medinipur, Murshidabad and Nadia.

**40. *Microcystis litoralis***

*Life form* : Plankton/soil algae.

*Habitat* : Saline.

*Distribution* : North 24 Pgs., South 24 Pgs. (Sunderban) and Puruliya.

**41. *Microcystis pseudofilamentose***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : Bankura, Haora, Hugli, Jalpaiguri and Medinipur.

**42. *Microcystis robusta***

*Life form* : Plankton/soil algae.

*Habitat* : Rice field.

*Distribution* : Koch Bihar, Dinajpur, Medinipur and Murshidabad (Baharampur).

**43. *Microcystis viridis****Life form* : Plankton/soil algae.*Habitat* : Rice field.*Distribution* : Murshidabad (Baharampur).

Family ENTOPHYSLIDACEAE

**44. *Chlorogloeon fritschii****Life form* : Plankton/soil algae.*Habitat* : Rice field.*Distribution* : North 24 Pgs., South 24 Pgs. (Falta), Haora, Hugli, Medinipur and Nadia.**45. *Johannesbaptistia pellucida****Life form* : Plankton/soil algae.*Habitat* : Rice field.*Distribution* : North 24 Pgs., South 24 Pgs. (Canning) and Murshidabad.

Order CHAMAESIPHONALES

Family DERMOCARPACEAE

**46. *Stichosiphon sansibaricus****Life form* : Plankton/soil algae.*Habitat* : Rice field.*Distribution* : Medinipur (Medinipur sadar) and Murshidabad.

Order PLEUROCARPSALES

Family PLEUROCARPACEAE

**47. *Myxosarcina spectabilis****Life form* : Plankton/soil algae.*Habitat* : Rice field.*Distribution* : North 24 Pgs., South 24 Pgs. (Dimond Harbour, Sunderban), Kolkata, Medinipur (Digha) and Nadia.

Order NOSTOCALIS

Family MICROCHAETACEAE

**48. *Microchaete loktakensis****Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Nadia.**49. *Microchaete tenera****Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : North 24 Pgs., South 24 Pgs. (Falta), Bankura, Jalpaiguri and Maldah.**50. *Microchaete uberrima****Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Maldah, Medinipur (Narajole) and Nadia.

Family NOSTACACEAE

**51. *Anabaena ambigua****Life form* : Soil.*Habitat* : Rice field.*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Birbhum, Bardhaman and Medinipur (Haldia).**52. *Anabaena anomana****Life form* : Soil.*Habitat* : Rice field.*Distribution* : South 24 Pgs. (Sunderban), Bankura and Murshidabad.**53. *Anabaena cercinalis****Life form* : Soil.*Habitat* : Rice field.*Distribution* : Bankura and Medinipur.**54. *Anabaena fertilissima****Life form* : Soil.*Habitat* : Rice field.*Distribution* : Haora, Medinipur and Murshidabad.**55. *Anabaena fuellebornii****Life form* : Soil.*Habitat* : Rice field.*Distribution* : Bankura, Birbhum, Bardhaman and Medinipur (Panchmari).**56. *Anabaena gelatinicola****Life form* : Soil.*Habitat* : Rice field.*Distribution* : North 24 Pgs., South 24 Pgs., Haora and Hugli.



**57. *Anabaena iyengarii***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Koch Bihar, Darjiling, Jalpaiguri and Medinipur.

**58. *Anabaena iyengarii* var. *attenulata***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Bankura, Medinipur and Puruliya.

**59. *Anabaena khannae***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Medinipur (Dharma, Contai).

**60. *Anabaena laxa***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Bankura.

**61. *Anabaena naviculoides***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., Bankura, Birbhum and Bardhaman.

**62. *Anabaena orientalis***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Maldah, Medinipur (Salboni, Garbeta) and Nadia (Chakdha).

**63. *Anabaena orientalis* var. *ellipospora***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Bankura and Nadia.

**64. *Anabaena oryzea***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : South 24 Pgs. (Sunderban, Dimond Harbour) and Medinipur (Narajole).

**65. *Anabaena oscillarioides***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Bankura, Bardhaman, Medinipur and Puruliya.

**66. *Anabaena sphaerica***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Kolkata.

**67. *Anabaena spiroides***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Bankura, Murshidabad (Baharampur) and Nadia (Kanchrapara, Krishnanagar).

**68. *Anabaena totulosa***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Bankura, Birbhum, Bardhaman, Maldah, Medinipur (Contai) and Nadia.

**69. *Anabaena utermohlii***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Murshidabad and Nadia (Nabadwip).

**70. *Anabaena aginicola***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Bankura, Birbhum and Puruliya.

**71. *Anabaena vaginicola forma fertilissima***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Bankura and Medinipur.

**72. *Anabaena variabilis***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Bankura, Darjiling, Dinajpur, Haora, Medinipur and Murshidabad (Baharampur).

**73. *Anabaena ariabilis* var. *ellipsospora****Life form* : Soil.*Habitat* : Rice field.*Distribution* : Bankura and Darjiling.**74. *Anabaena ariabilis* var. *kashiensis****Life form* : Soil.*Habitat* : Rice field.*Distribution* : Darjiling.**75. *Anabaena olzii****Life form* : Soil.*Habitat* : Rice field.*Distribution* : Medinipur (Jhargram, Contai, Garbeta).**76. *Anabaena olzii* var. *crassa****Life form* : Soil.*Habitat* : Rice field.*Distribution* : Bankura.**77. *Aulosira aenigmatica****Life form* : Soil.*Habitat* : Rice field.*Distribution* : South 24 Pgs. (Sunderban, Dimond Harbour), Maldah, Medinipur (Digha) and Murshidabad.**78. *Aulosira fertilissima****Life form* : Soil.*Habitat* : Rice field.*Distribution* : South 24 Pgs. (Sunderban, Dimond Harbour), Dinajpur (Raigunj), Medinipur (Digha) and Nadia (Santipur).**79. *Aulosira fertilissima* var. *tenius****Life form* : Soil.*Habitat* : Rice field.*Distribution* : Bankura, Koch Bihar, Dinajpur, Jalpaiguri, Maldah, Medinipur and Puruliya.**80. *Aulosira fritschii****Life form* : Soil.*Habitat* : Rice field.*Distribution* : Bankura, Birbhum, Barddhaman and Puruliya.**81. *Aulosira implexa****Life form* : Soil.*Habitat* : Rice field.*Distribution* : Barddhaman, Medinipur and Murshidabad.**82. *Aulosira prolifica****Life form* : Soil.*Habitat* : Rice field.*Distribution* : Bankura, Jalpaiguri, Medinipur (Dharma, Jhargram, Silda, Contai) and Nadia.**83. *Aulosira pseudodarmosa****Life form* : Soil.*Habitat* : Rice field.*Distribution* : Barddhaman, Hugli and Medinipur (Thakurchak).**84. *Cylindrospermum alatosporium****Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Bankura, Haora and Medinipur.**85. *Cylindrospermum cuvatum****Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Kolkata.**86. *Cylindrospermum doryphorum****Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Kolkata.**87. *Cylindrospermum indicum****Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Haora and Medinipur.**88. *Cylindrospermum licheniforme****Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Bankura, Darjiling, Dinajpur, Jalpaiguri, Maldah and Nadia.

89. ***Cylindrospermum licheniforme f. lemmeranni***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura, Koch Bihar, Darjiling, Hugli and Nadia.

90. ***Cylindrospermum majus***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura, Medinipur (Jhargram).

91. ***Cylindrospermum michailoukoense***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : South 24 Pgs., Bankura and Medinipur.

92. ***Cylindrospermum muscicola***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura (Onda), Kolkata, Medinipur (Contai) and Nadia.

93. ***Cylindrospermum muscicola* var. *longispora***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura (Simlipal) and Puruliya.

94. ***Cylindrospermum sphaerica***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., South 24 Pgs., Haora and Hugli.

95. ***Cylindrospermum stagnale***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura (Jhilimili), Barddhaman (Asansol) and Medinipur (Keshpur).

96. ***Nodularia harveyana***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Bankura.

97. ***Nodularia spumigena***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Bankura and Puruliya.

98. ***Nostoc calcicola***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura, Medinipur (Narjole), Murshidabad and Nadia (Kalyani).

99. ***Nostoc comminutum***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Hugli, Jalpaiguri and Medinipur.

100. ***Nostoc commune***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., South 24 Pgs., Barddhaman, Kolkata, Haora, Hugli, Medinipur and Nadia.

101. ***Nostoc depressum***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Medinipur (Dharma).

102. ***Nostoc ellipsosporum***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura, Maldah (Kalichak, Bamangola), Murshidabad (Baharampur) and Nadia (Goyeshpur, Ranaghat).

103. ***Nostoc entophyton***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Darjiling.

104. *Nostoc hatei**Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Bankura, Birbhum and Haora.105. *Nostoc humifusum**Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Darjiling and Medinipur (Contai).106. *Nostoc labatus**Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Murshidabad.107. *Nostoc linckia**Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Bankura (Onda), Barddhaman and Medinipur (Dharma).108. *Nostoc muscorum**Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : North 24 Pgs., South 24 Pgs., Bankura and Dinajpur (Itahar).109. *Nostoc paludosum**Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Bankura, Darjiling and Medinipur (Garbeta).110. *Nostoc piscinale**Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : South 24 Pgs. (Sunderban, Dimond Harbour), Barddhaman (Panagar), Kolkata, Darjiling and Nadia.111. *Nostoc punctiforme**Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : North 24 Pgs., South 24 Pgs. (Sunderban), Bankura, Darjiling, Maldah and Nadia.112. *Nostoc spongiaeforme**Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Bankura (Bishnupur), Birbhum and Puruliya.113. *Nostoc spongiaeforme* var. *tenue**Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Bankura, Murshidabad and Nadia.114. *Nostoc errucosum**Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Medinipur and Murshidabad.115. *Pseudanabaena schidlei**Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Bankura and Medinipur.116. *Wollea bharadwajae**Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : South 24 Pgs., Bankura and Hugli.

## Family OSCILLATORIACEAE

117. *Arthosporia gomotiana**Life form* : Planktonic/soil algae.*Habitat* : Rice field.*Distribution* : North 24 Pgs., Bankura and South 24 Pgs. (Dimond Harbour).118. *Arthosporia jenniferi**Life form* : Planktonic/soil algae.*Habitat* : Rice field.*Distribution* : Jalpaiguri, Medinipur (Medinipur Sadar) and Nadia.119. *Arthosporia massartii**Life form* : Planktonic/soil algae.*Habitat* : Rice field.*Distribution* : Bankura, Maldah, Murshidabad and Nadia (Kalyani).

120. *Arthosporia massartii* var. *indica*

*Life form* : Planktonic/soil algae.

*Habitat* : Rice field.

*Distribution* : Bankura (Onda).

121. *Arthosporia plalensis* var. *tenuis*

*Life form* : Planktonic/soil algae.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Birbhum and Medinipur (Haldia).

122. *Crinalium magnum*

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Falta).

123. *Hydrocoleum meneghinianum*

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Murshidabad.

124. *Hydrocoleum lyngbyaceum*

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Medinipur (Geokhali), Murshidabad and South 24 Pgs. (Sunderban, Diamond Harbour).

125. *Lyngbya aerugineo-coeruleae*

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura (Bishnupur) and Hugli.

126. *Lyngbya aestuarii*

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Kolkata and Dinajpur.

127. *Lyngbya agerheimii forma lacerata*

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Medinipur (Narajole).

128. *Lyngbya allorgei*

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Darjiling and Medinipur (Contai, Belda).

129. *Lyngbya birgei*

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura (Onda), Medinipur (Garbeta) and Murshidabad (Baharampur).

130. *Lyngbya ceylanica*

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Matla, Diamond Harbour).

131. *Lyngbya ceylanica* var. *bunkurensis*

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura (Mayapur, Bishnupur), Maldah, Medinipur (Garbeta) and Nadia.

132. *Lyngbya confervoides*

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

133. *Lyngbya cryptovaginata*

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Medinipur (Narajole).

134. *Lyngbya hieronymusii*

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Medinipur (Panskura, Dharma).

135. *Lyngbya lachneri*

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Darjiling (Mirik) and Haora.

**136. *Lyngbya largerheimii***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura (Bishnupur), Medinipur and Nadia.

**137. *Lyngbya laxespiralis***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura (Onda), Birbhum, Barddhaman (Asansol), Medinipur (Garbeta) and Puruliya (Jhalda).

**138. *Lyngbya magnifia***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Medinipur.

**139. *Lyngbya major***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : South 24 Pgs., Dinajpur, Haora and Nadia.

**140. *Lyngbya majuscula***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., South 24 Pgs. (Falta, Sunderban), Kolkata, Medinipur (Tamluk).

**141. *Lyngbya martensiana***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., South 24 Pgs. (Bakkhali), Bankura (Onda), Kolkata, Medinipur (Haldia, Digha).

**142. *Lyngbya mesotricha***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Murshidabad (Baharampur).

**143. *Lyngbya perelegems***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura, Barddhaman and Puruliya.

**144. *Lyngbya spiralis***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura (Kotalpur), Barddhaman (Asansol) and Murshidabad (Baharampur).

**145. *Lyngbya stagnina***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura, Birbhum, Barddhaman, Maldah and Nadia.

**146. *Microcoleus chthonoplastes***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura, Birbhum, Barddhaman, Medinipur (Garbeta, Silda) and Murshidabad.

**147. *Microcoleus lacustris***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Darjiling, Hugli, Jalpaiguri, Maldah and Nadia.

**148. *Microcoleus lyngibyaceus***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura.

**149. *Microcoleus paludosus***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura, Darjiling and Medinipur (Haldia, Kolaghat).

**150. *Microcoleus* sp.**

*Life form* : Soil/water bodies.

*Habitat* : Benthic.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

**151. *Microcoleus subtorulosus***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Medinipur (Digha) and Murshidabad.

152. ***Microcoleus vaginatus***  
*Life form* : Soil/water bodies.  
*Habitat* : Rice field.  
*Distribution* : Bankura, Barddhaman and Dinajpur.
153. ***Oscillatoria amphigranulata***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Bankura (Bishnupur), Birbhum, Barddhaman, Jalpaiguri and Medinipur.
154. ***Oscillatoria jascrvensis***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Darjiling and Medinipur.
155. ***Oscillatoria proboscidae***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Bankura (Moynapur), Birbhum and Barddhaman.
156. ***Oscillatoria prolifica***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Murshidabad (Baharampur).
157. ***Oscillatoria proteus***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Bankura (Onda), Hugli and Medinipur (Jamtala).
158. ***Oscillatoria acuminata***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Bankura, Haora, Hugli and Medinipur (Medinipur Sadar).
159. ***Oscillatoria acuta***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Medinipur (Jhargram, Tumluk, Silda).
160. ***Oscillatoria agardii***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Bankura.
161. ***Oscillatoria amaena***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : North 24 Pgs., South 24 Pgs. (Canning) and Kolkata.
162. ***Oscillatoria amphibia***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Bankura (Onda), Barddhaman and Murshidabad.
163. ***Oscillatoria anguina***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Bankura (Jairambati), Birbhum, Barddhaman, Kolkata and Puruliya.
164. ***Oscillatoria anguina gomond forma***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Bankura, Birbhum and Barddhaman.
165. ***Oscillatoria animalis***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Bankura, Birbhum, Barddhaman, Kolkata, Medinipur and Puruliya.
166. ***Oscillatoria annae***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Jalpaiguri, Maldah, Medinipur (Panskura) and Nadia.
167. ***Oscillatoria breis***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Bankura.

168. ***Oscillatoria breis*** var.  
***nongranulata***

*Life form* : Soil algae.

*Habitat* : Stagnant water in Rice field.

*Distribution* : Medinipur (Tumluk, Contai).

169. ***Oscillatoria chalybea***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : Bankura, Birbhum, Bardhaman, Haora, Hugli and Medinipur.

170. ***Oscillatoria chilkensis***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : Murshidabad.

171. ***Oscillatoria chlorina***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : Murshidabad.

172. ***Oscillatoria cortiana***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : Medinipur.

173. ***Oscillatoria curviceps***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., South 24 Pgs. (Kakdweep), Bankura, Koch Bihar and Medinipur.

174. ***Oscillatoria earlei***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : Hugli, Jalpaiguri, Medinipur (Tamluk, Silda, Keshpur).

175. ***Oscillatoria formosa***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : South 24 Pgs. (Sunderban), Bankura and Medinipur (Jhargram).

176. ***Oscillatoria limosa***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., South 24 Pgs. (Sunderban), Birbhum, Haora and Medinipur.

177. ***Oscillatoria margaretfora***

*Life form* : Soil algae.

*Habitat* : Saline area.

*Distribution* : North 24 Pgs., South 24 Pgs. (Sunderban).

178. ***Oscillatoria mougeotii***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : Medinipur.

179. ***Oscillatoria obscura***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : South 24 Pgs. (Sunderban), Bankura (Onda), Dinajpur (Balurghat, Raigunj) and Murshidabad.

180. ***Oscillatoria okeni***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : Bankura and Medinipur (Panskura)

181. ***Oscillatoria princeps***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., South 24 Pgs. (Sunderban) and Medinipur (Salboni, Haldia).

182. ***Oscillatoria pseudogeminata***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : Koch Bihar and Jalpaiguri.

183. ***Oscillatoria pseudogeminata*** var.  
***unigranata***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : Bankura (Bishnupur).



**184. *Oscillatoria quadripunctuata***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : Bankura (Jairambati), Birbhum, Barddhaman, Kolkata and Puruliya.

**185. *Oscillatoria rooi***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : Bankura (Bishnupur) and Hugli (Chinsura).

**186. *Oscillatoria scanta***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : Medinipur.

**187. *Oscillatoria schultzi***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : Kolkata, Medinipur (Ghatal, Contai).

**188. *Oscillatoria simplicissima***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : Medinipur.

**189. *Oscillatoria splendida***

*Life form* : Soil algae.

*Habitat* : Rice field

*Distribution* : Bankura (Jhilimili), Kolkata, Haora and Puruliya.

**190. *Oscillatoria subbrevis***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : South 24 Pgs. (Sunderban, Dimond Harbour), Bankura, Kolkata, Dinajpur (Balurghat), Jalpaiguri, Medinipur and Murshidabad.

**191. *Oscillatoria subbrevis forma major***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., Medinipur (Haldia), Murshidabad and Puruliya.

**192. *Oscillatoria tenuis***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : South 24 Pgs. (Falta), Bankura (Onda), Birbhum and Barddhaman.

**193. *Oscillatoria terebriformis***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : Kolkata.

**194. *Phormidium angustissimum***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : Kolkata and Dinajpur.

**195. *Phormidium molle f. tenuior***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : Bankura.

**196. *Phormidium ambiguum***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : Bankura (Mukutmanipur), Birbhum, Barddhaman, Medinipur (Panskura) and Puruliya (Jhalda).

**197. *Phormidium ambiguum* var. *major***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : Birbhum (Siuri) and Puruliya (Bagmundi).

**198. *Phormidium anomala***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., Maldah and Nadia.

**199. *Phormidium bohneri***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : Haora, Hugli and Medinipur (Narajole).

200. ***Phormidium corium***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Maldah, Medinipur (Silda, Salboni, Godapiasal) and Nadia.
201. ***Phormidium corium forma major***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Medinipur (Salboni).
202. ***Phormidium corium* var. *capitatum***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Bankura (Simlipal) and Darjiling (Siliguri).
203. ***Phormidium faeolarum***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Bankura.
204. ***Phormidium faosum***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Bankura, Haora and Hugli.
205. ***Phormidium fragile***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Bankura, Birbhum (Panagar) and Medinipur (Digha).
206. ***Phormidium jadinianum***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Dinajpur (Raigunj), Maldah (Ratua, Gazol) and Medinipur (Salboni, Contai).
207. ***Phormidium laminosum***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Bankura (Susunia) and Birbhum (Santiniketan).
208. ***Phormidium lucidum***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Bankura and Birbhum.
209. ***Phormidium molle***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : North 24 Pgs., South 24 Pgs., Haora and Medinipur (Medinipur Sadar).
210. ***Phormidium papyraceum***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : South 24 Pgs. and Hugli.
211. ***Phormidium purpurascens***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Darjiling, Dinajpur, Jalpaiguri, Maldah and Murshidabad.
212. ***Phormidium retzii***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Bankura, Haora and Hugli.
213. ***Phormidium rotanda***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Medinipur (Garbeta).
214. ***Phormidium stagnina***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : North 24 Pgs., South 24 Pgs. (Sunderban), Bankura, Haora and Hugli.
215. ***Phormidium tenue***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Bankura (Simlipal), Maldah, Medinipur (Egra), Nadia and Puruliya (Jhalda).
216. ***Phormidium uncinatum***  
*Life form* : Soil algae.  
*Habitat* : Rice field.  
*Distribution* : Bankura, Darjiling and Jalpaiguri.

**217. *Phormidium ulderianum***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., Bankura, Birbhum, Bardhaman, Jalpaiguri and Nadia.

**218. *Porphyrosiphon nostarisii***

*Life form* : Soil algae.

*Distribution* : Bankura, Hugli, Jalpaiguri, Medinipur (Garbeta, Kharagapur, Keshpur) and Nadia.

**219. *Schizothrix arenaria***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura, Maldah and Murshidabad.

**220. *Schizothrix calcicola***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., Murshidabad and Puruliya.

**221. *Schizothrix friesii***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Darjiling, Medinipur (Keshpur) and Puruliya.

**222. *Schizothrix lacutris***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura and Bardhaman.

**223. *Schizothrix muelleri***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Dinajpur, Medinipur (Garbeta) and Murshidabad.

**224. *Schizothrix penicillata***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., South 24 Pgs. (Dimond Harbour) and Medinipur (Salboni).

**225. *Schizothrix rubella***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura, Birbhum and Bardhaman.

**226. *Schizothrix tamyl***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Dimond Harbour).

**227. *Schizothrix telephoroides***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura (Onda) and Medinipur (Garbeta, Panchmari).

**228. *Spirulina labyrinthiformis***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : Medinipur.

**229. *Spirulina major***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., South 24 Pgs., Maldah, Medinipur (Haldia, Kolaghat), Murshidabad and Nadia (Kalyani).

**230. *Spirulina meneghiniana***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : Bankura (Onda), Birbhum and Bardhaman.

**231. *Spirulina princeps***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., South 24 Pgs. and Medinipur (Narajole).

**232. *Spirulina subalsa***

*Life form* : Soil algae.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., South 24 Pgs., Maldah, Medinipur (Haldia, Narajole) and Nadia.

**233. *Symploca muralis****Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Bankura, Birbhum and Medinipur (Salboni, Silda).**234. *Trichodesmium thieb autii****Life form* : Soil algae.*Habitat* : Rice field.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban, Dimond Harbour).

Family RIVULARIACEAE

**235. *Calothrix bharadwajae****Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Murshidabad (Baharampur).**236. *Calothrix braunii****Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Bankura, Haora, Hugli, Maldah and Nadia.**237. *Calothrix brevissima****Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : South 24 Pgs., Barddhaman and Haora.**238. *Calothrix breissima* var. *moniliforme****Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Bankura and Puruliya.**239. *Calothrix castelli****Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : North 24 Pgs., South 24 Pgs. (Sunderban), Haora and Medinipur.**240. *Calothrix castelli* var. *somastipurensis****Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Bankura, Hugli and Puruliya.**10. *Calothrix conarenii****Life form* : Soil/water bodies.*Habitat* : Benthic.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**242. *Calothrix elenkinii****Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : North 24 Pgs., South 24 Pgs., Haora and Nadia.**243. *Calothrix fusca****Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Medinipur (Dharma).**244. *Calothrix fusca* var. *crassa****Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Bankura (Joyrambati) and Puruliya.**245. *Calothrix ghosei****Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Medinipur (Ghatal).**246. *Calothrix marchica****Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Bankura, Darjiling (Mirik) and Dinajpur.**247. *Calothrix membranacea****Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Bankura, Murshidabad and Nadia.**248. *Calothrix parietina****Life form* : Soil/water bodies.*Habitat* : Rice field.*Distribution* : Barddhaman, Haora and Hugli.**249. *Calothrix scytonemicola****Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Puruliya.

250. ***Calothrix thermalis***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Murshidabad (Baharampur).

251. ***Gloeotrichia pisum***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : South 24 Pgs., Bankura (Onda) and Haora.

252. ***Gloeotrichia echinulata***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Murshidabad (Baharampur).

253. ***Gloeotrichia ghosei***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Bankura and Birbhum.

254. ***Gloeotrichia intermedia***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Kolkata, Medinipur and Murshidabad.

255. ***Gloeotrichia intermedia*** var.  
***kanwaensis***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Medinipur (Keshpur) and Murshidabad.

256. ***Gloeotrichia natans***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., South 24 Pgs. (Sunderban), Bankura, Kolkata, Maldah, Medinipur and Murshidabad (Baharampur).

257. ***Gloeotrichia pilgeri***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Bankura and Puruliya.

258. ***Gloeotrichia raciborskii***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : South 24 Pgs., Bankura and Medinipur (Dharma).

259. ***Gloeotrichia raciborskii kashiense***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., Hugli and Medinipur.

260. ***Homeothrix juliana***

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Dinajpur, Medinipur (Tamluk) and Nadia.

Family SYTONEMATACEAE

261. ***Plectonema battersii***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Darjiling.

262. ***Plectonema indica***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Darjiling (Mirik).

263. ***Plectonema nostocorum***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs. and Haora.

264. ***Plectonema notatum***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Jalpaiguri, Medinipur (Thakurchak) and Nadia.

265. ***Plectonema tomasinianum***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Barddhaman and Hugli.

**266. *Scytonema bohneri***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Kolkata.

**267. *Scytonema burmanicum***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Barddhaman, Haora and Hugli.

**268. *Scytonema caldarium***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Barddhaman.

**269. *Scytonema ciricinnatum***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura, Medinipur and Puruliya.

**270. *Scytonema coactile***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Medinipur (Kolsanda).

**271. *Scytonema fermyii***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Barddhaman and Medinipur.

**272. *Scytonema fritschii***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Barddhaman and Hugli.

**273. *Scytonema guyanense***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Barddhaman and Puruliya.

**274. *Scytonema hofmanii***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., Birbhum, Koch Bihar, Darjiling, Haora, Hugli, Jalpaiguri, Maldah, Medinipur (Contai) and Nadia.

**275. *Scytonema javanicum***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Barddhaman, Hugli and Medinipur (Keshpur).

**276. *Scytonema leptobasis***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Barddhaman, Haora and Medinipur (Pachara).

**277. *Scytonema mirabile***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura, Dinajpur and Puruliya.

**278. *Scytonema myochrous***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura, Birbhum and Medinipur.

**279. *Scytonema schmidtii***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Barddhaman.

**280. *Scytonema simplex***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura, Birbhum, Barddhaman, Haora, Hugli, Medinipur (Jhargram) and Murshidabad.

**281. *Scytonema stuposum***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura, Birbhum and Puruliya.

**282. *Scytonema tolypothrichoides***

*Life form* : Soil/water bodies.

*Habitat* : Rice field.

*Distribution* : Bankura, Haora and Nadia.

Order STIGONEMATALES  
Family MASTIGOCLADACEAE

283. *Mastigocladus laminosus*

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Bardhaman, Haora, Hugli and Nadia.

Family STIGONEMATALEAE

284. *Camptylonema indicum*

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Bankura (Bishnupur, Joyrambati) and Puruliya.

285. *Camptylonemopsis boldii*

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Darjiling and Jalpaiguri.

286. *Camptylonemopsis lahorensis*

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Nadia.

287. *Dermocarpa leibleiniae*

*Life form* : Water bodies.

*Habitat* : Benthic.

*Distribution* : Kolkata.

288. *Dermocarpa* sp.

*Life form* : Water bodies.

*Habitat* : Benthic.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

289. *Fischerella muscicola*

*Life form* : Water bodies.

*Habitat* : Benthic.

*Distribution* : Kolkata.

290. *Hapalosiphon fontinalis*

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Bankura (Joyrambati).

291. *Hapalosiphon intricatus*

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Bankura (Moynapur) and Birbhum.

292. *Hapalosiphon luteolus*

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Bankura and Puruliya (Jhalda).

293. *Hapalosiphon welwitschii*

*Life form* : Soil.

*Habitat* : Rice field.

*Distribution* : Medinipur (Panchkuri).

294. *Hormidium subtilis*

*Life form* : Water bodies.

*Habitat* : Benthic.

*Distribution* : Darjiling.

295. *Nostocopsis hangsgirgi*

*Life form* : Water bodies.

*Habitat* : Benthic.

*Distribution* : Murshidabad (Baharampur).

296. *Nostocopsis lobata*

*Life form* : Water bodies.

*Habitat* : Benthic.

*Distribution* : Murshidabad (Baharampur).

297. *Raphidiopsis indica*

*Life form* : Water bodies.

*Habitat* : Benthic.

*Distribution* : Bankura.

298. *Rivularra manginii*

*Life form* : Water bodies.

*Habitat* : Benthic.

*Distribution* : Darjiling.

299. *Stigonema hormoides*

*Habitat* : Water logged area.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

**300. *Stigonema ocellatum****Life form* : Soil.*Habitat* : Rice field.*Distribution* : Bankura, Birbhum, Maldah and Puruliya.**301. *Stigonema tomentosum****Life form* : Soil.*Habitat* : Rice field.*Distribution* : Darjiling.**302. *Synechocystis aquatilis****Life form* : Water bodies.*Habitat* : Benthic.*Distribution* : Murshidabad.**303. *Wetiellopsis prolifica****Life form* : Soil.*Habitat* : Rice field.*Distribution* : Bankura (Onda) and Puruliya.**304. *Xenococcus acervatus****Life form* : Water bodies.*Habitat* : Benthic.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

## Class BACILLARIOPHYCEAE

**305. *Achnanthes* sp.***Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : Darjiling (Sinchal lake).**306. *Amphipora* sp.***Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**307. *Amphora ovalis****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**308. *Amphora* sp.***Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**309. *Asteomphalus flabellatus****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**310. *Asterionella Formosa****Life form* : Planktonic.*Habitat* : Saline area.*Distribution* : Kolkata.**311. *Asterionella japonica****Life form* : Planktonic.*Habitat* : Mangrove Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**312. *Bacillaria paradoxa****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**313. *Bacteriastrum hyalinum****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**314. *Bacteriastrum hyalinum* var. *princeps****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**315. *Bacteriastrum varians****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).



316. ***Biddulphia heteroceros***

*Life form* : Planktonic.

*Habitat* : Estuary.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

317. ***Biddulphia longicuris***

*Life form* : Planktonic.

*Habitat* : Estuary.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

318. ***Biddulphia mobiliensis***

*Life form* : Planktonic.

*Habitat* : Estuary.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

319. ***Biddulphia pulchella***

*Life form* : Planktonic.

*Habitat* : Estuary.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

320. ***Biddulphia sinensis***

*Life form* : Planktonic.

*Habitat* : Estuary.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

321. ***Caloneis madraspatensis***

*Life form* : Planktonic.

*Habitat* : Estuary.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

322. ***Campylodiscus clypeus***

*Life form* : Planktonic.

*Habitat* : Estuary.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

323. ***Chaetoceros curvisetus***

*Life form* : Planktonic.

*Habitat* : Estuary.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

324. ***Chaetoceros diversus***

*Life form* : Planktonic.

*Habitat* : Estuary.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

325. ***Chaetoceros indicus***

*Life form* : Planktonic.

*Habitat* : Estuary.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

326. ***Chaetoceros lorenzianus***

*Life form* : Planktonic.

*Habitat* : Estuary.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

327. ***Chaetoceros peruvianus***

*Life form* : Planktonic.

*Habitat* : Estuary.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

328. ***Chaetoceros anheurckii***

*Life form* : Planktonic.

*Habitat* : Estuary.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

329. ***Climacodium frauenfeldianum***

*Life form* : Planktonic.

*Habitat* : Estuary.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

330. ***Climacosphenia elongata***

*Life form* : Planktonic.

*Habitat* : Estuary.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

331. ***Cocconeis placentula* var. *englypta***

*Life form* : Planktonic.

*Habitat* : Estuary.

*Distribution* : Darjiling (Senchal lake).

**332. *Corethrona inerme****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban)**333. *Coscinodiscus asteromphalus****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**334. *Coscinodiscus excentricus****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**335. *Coscinodiscus jonesianus****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**336. *Coscinodiscus oculoïridis****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**337. *Coscinodiscus perforatus****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**338. *Coscinodiscus perforatus* var. *pavillardi****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**339. *Cyclotella* sp.***Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**340. *Cymbella affins****Life form* : Planktonic.*Habitat* : Saline area.*Distribution* : Darjiling (Senchal lake).**341. *Cymbella aspera****Life form* : Planktonic.*Habitat* : Saline.*Distribution* : Darjiling (Senchal lake).**342. *Cymbella chandolensis****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**343. *Ditylum brightwellii****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**344. *Ditylum sol****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**345. *Eucampia balaustium****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**346. *Eucampia cornuta****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**347. *Eucampia zoodiacus****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

348. ***Eunotia pectinalis*** var. ***undulata***  
*Life form* : Planktonic.  
*Habitat* : Saline area.  
*Distribution* : Darjiling (Senchal lake).
349. ***Eunotia pectinalis*** var. ***minor***  
*Life form* : Planktonic.  
*Habitat* : Saline area.  
*Distribution* : Darjiling (Mirik lake).
350. ***Eunotia*** sp.  
*Life form* : Planktonic.  
*Habitat* : Estuary.  
*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).
351. ***Eunotia*** var. ***minor***  
*Life form* : Planktonic.  
*Habitat* : Saline area.  
*Distribution* : Darjiling (Mirik lake).
352. ***Fragillaria canica***  
*Life form* : Planktonic.  
*Habitat* : Saline area.  
*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).
353. ***Fragillaria capucina***  
*Life form* : Planktonic.  
*Habitat* : Saline area.  
*Distribution* : Darjiling (Senchal lake).
354. ***Frustulia*** sp.  
*Life form* : Planktonic.  
*Habitat* : Estuary.  
*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).
355. ***Gomphonema acumnatum***  
*Life form* : Planktonic.  
*Habitat* : Saline area.  
*Distribution* : Kolkata.
356. ***Gomphonema*** sp.  
*Life form* : Planktonic.  
*Habitat* : Saline area.  
*Distribution* : Darjiling (Senchal lake).

357. ***Gomphonema sphaerophorum***  
*Life form* : Planktonic.  
*Habitat* : Saline area.  
*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).
358. ***Gyrosigma ballicum***  
*Life form* : Planktonic.  
*Habitat* : Estuary.  
*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).
359. ***Hemiaulus*** sp.  
*Life form* : Planktonic.  
*Habitat* : Estuary.  
*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).
360. ***Hemidiscus cuneiformes***  
*Life form* : Planktonic.  
*Habitat* : Estuary.  
*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).
361. ***Isthmia enervis***  
*Life form* : Planktonic.  
*Habitat* : Estuary.  
*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).
362. ***Lauderia annulata***  
*Life form* : Planktonic.  
*Habitat* : Estuary.  
*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).
363. ***Leptocylindrus danicus***  
*Life form* : Planktonic.  
*Habitat* : Estuary.  
*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).
364. ***Lithodesmium undulatum***  
*Life form* : Planktonic.  
*Habitat* : Estuary.  
*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

**365. *Melosira sulcata****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**366. *Navicula cryptocephaloides****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : Darjiling (Senchal lake).**367. *Navicula exigna****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : Darjiling (Senchal lake).**368. *Navicula similis****Life form* : Planktonic.*Habitat* : Saline area.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**369. *Navicula* sp.***Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : South 24 Pgs. (Sunderban) and Darjiling (Senchal lake).**370. *Navicula stauroptera****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : Kolkata and Darjiling (Tonglu).**371. *Navicula stauroptera* var.*****interrupta****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : Darjiling (Mirik).**372. *Navicula viridis****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : Kolkata.**373. *Nitzschia acuta****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : Darjiling (Senchal lake).**374. *Nitzschia closterium****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**375. *Nitzschia linearis****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**376. *Nitzschia longissima****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**377. *Nitzschia pelagica****Life form* : Planktonic.*Habitat* : Saline area.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**378. *Nitzschia scaleris****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**379. *Nitzschia seriata****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**380. *Nitzschia sigma****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**381. *Paralia* sp.***Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

382. *Pinnularia gibba* var. *parva**Life form* : Planktonic.*Habitat* : Saline area.*Distribution* : Darjiling (Senchal lake).383. *Pinnularia lebellaria**Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : Darjiling (Senchal lake).384. *Planktoniella* sp.*Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).385. *Pleurosigma elongatum**Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).386. *Pleurosigma normanii**Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).387. *Rhizosolenia alata**Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).388. *Rhizosolenia robusta**Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).389. *Rhizosolenia stigera**Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).390. *Rhizosolenia stolterfothii**Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).391. *Rhopalodid gibba**Life form* : Planktonic.*Habitat* : Saline area.*Distribution* : Kolkata.392. *Scheultia* sp.*Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).393. *Selectonema* sp.*Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).394. *Skeletonema costatum**Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).395. *Slephanopyxis turris**Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).396. *Surirella eximia**Life form* : Planktonic.*Habitat* : Saline.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).397. *Surirella linearis**Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : Darjiling (Senchal lake).

**398. *Synedra ulna****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : Kolkata and Darjiling (Senchal lake).**399. *Tetradinium* sp.***Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**400. *Thalassiosira coramandeliana****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**401. *Thalassiothrix frauenfeldii****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**402. *Thalassiothrix longissima****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**403. *Triceratium elengans****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**404. *Tropidoneis elengans****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

Class RHODOPHYCEAE

**405. *Caloglessa adnata****Life form* : On water.*Habitat* : Benthic.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**406. *Caloglessa leprieurii****Life form* : On water.*Habitat* : Benthic.*Distribution* : Kolkata.**407. *Catenella ripae****Life form* : On water.*Habitat* : Benthic.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**408. *Ceraminum gracillimum****Life form* : On water.*Habitat* : Benthic.*Distribution* : Kolkata.**409. *Ceraminum elegans****Life form* : On water.*Habitat* : Benthic.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**410. *Compsopogon lividus****Life form* : On water.*Habitat* : Fresh water.*Distribution* : Kolkata.**411. *Compsopogon coeruleus****Life form* : On water.*Habitat* : fresh water.*Distribution* : Kolkata.**412. *Gygetina* sp.***Life form* : On water.*Habitat* : Benthic.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**413. *Polysiphonia angustissimum****Life form* : On water.*Habitat* : Fresh water.*Distribution* : Kolkata.**414. *Porphyra* sp.***Life form* : On water.*Habitat* : Benthic.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

## Class DINOPHYCEAE

415. *Ceratium hirundinella**Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : Kolkata.

## Class PYRROPHYCEAE

416. *Ceratium extensum**Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).417. *Ceratium furca**Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban) and Koch Bihar.418. *Ceratium horridum**Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).419. *Ceratium triops**Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).420. *Dinophysis candata**Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).421. *Noctiluca* sp.*Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).422. *Peridinium bre ipes**Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).423. *Protoberidinium depressum**Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).424. *Pyrophacus horologicum**Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : South 24 Pgs. and Dinajpur.

## Class PRASINOPHYCEAE

425. *Halosphaera* sp.*Life form* : Planktonic.*Habitat* : Marine.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

## Class EUGLENOPHYCEAE

426. *Euglena viridis**Life form* : Planktonic.*Habitat* : Fresh water.*Distribution* : Barddhaman and Kolkata.427. *Phacus pleuronectes**Life form* : On water.*Habitat* : Estuary.*Distribution* : North 24 Pgs., South 24 Pgs. (Sunderban), Barddhaman and Kolkata.428. *Phacus triqueter**Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

## Class CHAROPHYCEAE

429. *Chara braunii forma schweinitzii**Life form* : Benthic.*Habitat* : On water.*Distribution* : Murshidabad.430. *Chara braunii* var. *coromandelina**Life form* : Benthic.*Habitat* : On water.*Distribution* : Kolkata.431. *Chara coralina* var. *wallichii**Life form* : Benthic.*Habitat* : On water.*Distribution* : Birbhum.

432. ***Chara erythrogyna***  
*Life form* : Benthic.  
*Habitat* : On water.  
*Distribution* : Kolkata.
433. ***Chara fibrosa* var. *fibrosa forma longeorollata***  
*Life form* : Benthic.  
*Habitat* : On water.  
*Distribution* : Kolkata.
434. ***Chara flaccidus***  
*Life form* : Benthic.  
*Habitat* : On water.  
*Distribution* : Kolkata.
435. ***Chara globularis* var. *leptosparma forma leptosperma***  
*Life form* : Benthic.  
*Habitat* : On water.  
*Distribution* : Kolkata.
436. ***Chara globularis* var. *virgata***  
*Life form* : Benthic.  
*Habitat* : On water.  
*Distribution* : Medinipur.
437. ***Chara hydropitys* var. *indica forma major***  
*Life form* : Benthic.  
*Habitat* : On water.  
*Distribution* : Medinipur (Digha) and Nadia.
438. ***Chara setosa forma presudobrachypus***  
*Life form* : Benthic.  
*Habitat* : On water.  
*Distribution* : Kolkata.
439. ***Chara socotrensis forma nuda***  
*Life form* : Benthic.  
*Habitat* : On water.  
*Distribution* : Kolkata.
440. ***Chara andalurensis***  
*Life form* : Benthic.  
*Habitat* : On water.  
*Distribution* : Murshidabad.
441. ***Chara ulgaris* var. *nitelloiodes***  
*Life form* : Water logged area.  
*Habitat* : On water.  
*Distribution* : North 24 Pgs. and South 24 Pgs.
442. ***Chara zeylanica***  
*Life form* : Benthic.  
*Habitat* : On water.  
*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).
443. ***Chara zeylanica* var. *zeylanica***  
*Life form* : Benthic.  
*Habitat* : On water.  
*Distribution* : Nadia.
444. ***Nitella acuminata***  
*Life form* : Benthic.  
*Habitat* : On water.  
*Distribution* : Medinipur.
445. ***Nitella furcata***  
*Life form* : Benthic.  
*Habitat* : On water.  
*Distribution* : Kolkata.
446. ***Nitella gracillis* var. *confer acea***  
*Life form* : Benthic.  
*Habitat* : On water.  
*Distribution* : Kolkata.
447. ***Nitella hyaline***  
*Life form* : Benthic.  
*Habitat* : On water.  
*Distribution* : Kolkata, Murshidabad (Baharampur) and Puruliya.
448. ***Nitella mucronata***  
*Life form* : Benthic.  
*Habitat* : On water.  
*Distribution* : Kolkata.
449. ***Nitella polycarpa***  
*Life form* : Benthic.  
*Habitat* : On water.  
*Distribution* : Medinipur, Murshidabad (Baharampur) and Puruliya.



450. *Nitella tuberculata*

*Life form* : Benthic.

*Habitat* : On water.

*Distribution* : Jalpaiguri, Medinipur (Narajole) and Nadia.

Class XANTHOPHYCEAE

451. *Tribonema bomybcinum*

*Life form* : Soil.

*Habitat* : Moist shady soil.

*Distribution* : Kolkata.

452. *Dichotomosiphon tuberosus*

*Life form* : Soil.

*Habitat* : Moist shady soil.

*Distribution* : Hugli.

453. *Vaucheria alaskana*

*Life form* : Soil.

*Habitat* : Moist shady soil.

*Distribution* : Darjiling.

454. *Vaucheria aversa*

*Life form* : Soil.

*Habitat* : Moist shady soil.

*Distribution* : Darjiling (Sandakphu).

455. *Vaucheria germinata*

*Life form* : Soil.

*Habitat* : Moist shady soil.

*Distribution* : Darjiling.

456. *Vaucheria sessilis*

*Life form* : Soil.

*Habitat* : Moist shady soil.

*Distribution* : Kolkata and Murshidabad.

457. *Vaucheria sessilis forma clavata*

*Life form* : Soil.

*Habitat* : Moist shady soil.

*Distribution* : Darjiling.

458. *Vaucheria sessilis forma repens*

*Life form* : Soil.

*Habitat* : Moist shady soil.

*Distribution* : Darjiling.

Class CHLOROPHYCEAE

Order DESMIDS

459. *Actinotaenium* sp.

*Life form* : On water/on soil.

*Habitat* : Planktonic/sediment.

*Distribution* : Darjiling.

460. *Actinotaenium subglobosum*

*Life form* : On water/on soil.

*Habitat* : Planktonic/sediment.

*Distribution* : Darjiling.

461. *Bambusina brebissonii*

*Life form* : On water/on soil.

*Habitat* : Planktonic/sediment.

*Distribution* : Medinipur.

462. *Bambusina* sp.

*Life form* : On water/on soil.

*Habitat* : Planktonic/sediment.

*Distribution* : Medinipur.

463. *Closterium abruptum*

*Life form* : On water/on soil.

*Habitat* : Planktonic/sediment.

*Distribution* : Barddhaman and Medinipur.

464. *Closterium acerosum*

*Life form* : Straight fusiform.

*Habitat* : Planktonic/sediment.

*Distribution* : Darjiling (Ghoom, Mirik), Maldah and Medinipur.

465. *Closterium baillyanum*

*Life form* : On water/on soil.

*Habitat* : Planktonic/sediment.

*Distribution* : Medinipur.

466. *Closterium calosporum*

*Life form* : On water/on soil.

*Habitat* : Planktonic/sediment.

*Distribution* : Medinipur and Puruliya.

467. *Closterium cornu*

*Life form* : On water/on soil.

*Habitat* : Planktonic/sediment.

*Distribution* : Darjiling (Mirik, Phalut, Rimbick).

468. *Closterium cynthia*

*Life form* : On water/on soil.

*Habitat* : Planktonic/sediment.

*Distribution* : Barddhaman, Darjiling (Mungpoo, Tonglu) and Medinipur.

**469. *Closterium dianea***

*Life form* : On water/on soil.

*Habitat* : Planktonic/sediment.

*Distribution* : Darjiling (Mirik, Phalut) and Medinipur.

**470. *Closterium eboracense***

*Life form* : On water/on soil.

*Habitat* : Planktonic/sediment.

*Distribution* : Darjiling (Ghoom, Rimbick and Sandakphu).

**471. *Closterium ehvenbergii***

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : Murshidabad.

**472. *Closterium intermedium***

*Life form* : On water/on soil.

*Habitat* : Planktonic/sediment.

*Distribution* : Maldah.

**473. *Closterium lacoeolatum* var. *parum***

*Life form* : On water/on soil.

*Habitat* : Planktonic/sediment.

*Distribution* : Bankura and Medinipur.

**474. *Closterium lanceolatum***

*Life form* : On water/on soil.

*Habitat* : Planktonic/sediment.

*Distribution* : Medinipur.

**475. *Closterium leibleini* var. *intermedium***

*Life form* : On water/on soil.

*Habitat* : Planktonic/sediment.

*Distribution* : Darjiling (Darjiling town, Lava, Mungpoo) and Dinajpur (Balurghat).

**476. *Closterium leibleini* var. *recuratum***

*Life form* : On water/on soil.

*Habitat* : Planktonic/sediment.

*Distribution* : Darjiling (Kurseong, Mungpoo) and Jalpaiguri.

**477. *Closterium leibleinii***

*Life form* : On water/on soil.

*Habitat* : Planktonic/sediment.

*Distribution* : Darjiling (Manebhanjan, Mirik, Tonglu).

**478. *Closterium libellula***

*Life form* : On water/on soil.

*Habitat* : Planktonic/sediment.

*Distribution* : Medinipur.

**479. *Closterium lineatum***

*Life form* : On water/on soil.

*Habitat* : Planktonic/sediment.

*Distribution* : Medinipur.

**480. *Closterium moniliferum***

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : Darjiling, Dinajpur (Balurghat) and Medinipur.

**481. *Closterium moniliferum* var. *concaum***

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : Puruliya.

**482. *Closterium moniliformis***

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : Murshidabad (Baharampur).

**483. *Closterium parvulum***

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : North 24 Pgs., South 24 Pgs. (Dimond Harbour) and Darjiling (Mirik lake).

**484. *Closterium parulum* var. *angustum***

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : Puruliya.

**485. *Closterium ralfsii***

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : Medinipur.

**486. *Closterium rectimarginatum***

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : Barddhaman and Medinipur.

487. *Closterium striolatum*

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : Medinipur.

488. *Closterium ulna*

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : Darjiling (Darjiling town, Ghoom) and Medinipur.

489. *Closterium enus*

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : Birbhum (Suri) and Barddhaman.

490. *Closterium enus* var. *debegenica*

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : Darjiling (Kalimpong), Jalpaiguri and Maldah.

491. *Cosmarium aeguale*

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : Darjiling (Lachen, Lachung).

492. *Cosmarium amoenum*

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : Bankura, Murshidabad (Baharampur) and Puruliya.

493. *Cosmarium angulatum forma majus*

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : Medinipur.

494. *Cosmarium auriculatum* var. *bogoriense*

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : Medinipur.

495. *Cosmarium bipunctatum*

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : South 24 Pgs. (Dimond Harbour), Darjiling (Mirik, Tonglu, Rimbick), Medinipur, Murshidabad (Baharampur).

496. *Cosmarium binum*

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : Darjiling (Kalimpong, Lava, Sukna, Tista bazar).

497. *Cosmarium ceylanicum*

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : Darjiling (Mirik lake, Mungpoo, Tiger Hill) and Medinipur.

498. *Cosmarium connatum*

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : Birbhum, Darjiling (Kalimpong, Phalut) and Dinajpur (Balurghat).

499. *Cosmarium connatum* var. *depressum*

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : Bankura and Medinipur.

500. *Cosmarium contractum* var. *ellipsoiedium*

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : Medinipur.

501. *Cosmarium contractum* var. *minutum*

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : Bankura.

502. *Cosmarium controversum*

*Life form* : On water/on sediment.

*Habitat* : Planktonic.

*Distribution* : Darjiling (Mungpoo) and Jalpaiguri.

503. ***Cosmarium cruciferum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Darjiling (Mirik lake).
504. ***Cosmarium cuneatum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Medinipur.
505. ***Cosmarium cyclicum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Medinipur.
506. ***Cosmarium cyclicum var articum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Darjiling (Lava, Mungpoo, Sandakphu, Yoksum) and Medinipur.
507. ***Cosmarium cylanicum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Darjiling (Mirik, Mungpong, Tiger hill) and Medinipur.
508. ***Cosmarium decoratum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Medinipur.
509. ***Cosmarium decoratum forma***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Medinipur.
510. ***Cosmarium depressum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Darjiling (Nayabazar, Tiger hill, Tonglu), Maldah and Medinipur.
511. ***Cosmarium depressum forma minor***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Medinipur.
512. ***Cosmarium depressum var. aspertum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Birbhum (Siuri) and Medinipur.
513. ***Cosmarium formosulum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Darjiling (Mirik, Naya bazar, Tiger hill, Tonglu), Jalpaiguri and Medinipur.
514. ***Cosmarium freemanii***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Medinipur.
515. ***Cosmarium freemanii var verrucosum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Dinajpur (Balurghat).
516. ***Cosmarium garrolense***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Darjiling (Darjiling town, Sandakphu).
517. ***Cosmarium geminatum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Bankura, Birbhum and Barddhaman.
518. ***Cosmarium granatum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Barddhaman and Darjiling (Kalimpong, Batasi, Mungpoo, Tonglu).
519. ***Cosmarium granulatum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Darjiling (Batasi).

520. *Cosmarium hammeri*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Birbhum (Suri) and Darjiling (Nayabazar).

521. *Cosmarium impressulum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Kurseong, Mungpoo).

522. *Cosmarium laeve*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur and Nadia.

523. *Cosmarium laeve* var. *octangulare*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur and Nadia.

524. *Cosmarium lundellii*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Ghoom, Lava, Mungpoo, Phalut), Jalpaiguri and Puruliya.

525. *Cosmarium lundellii* var. *corpuptum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

526. *Cosmarium lundellii* var. *ellipticum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Puruliya.

527. *Cosmarium margaritatum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Ghoom, Kalimpong).

528. *Cosmarium margartiferum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Mirik, Mungpoo), Medinipur and Puruliya.

529. *Cosmarium margispinatum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Barddhaman and Medinipur.

530. *Cosmarium meneghinii*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Mirik lake).

531. *Cosmarium nitidulum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Mirik lake).

532. *Cosmarium obsolatum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Barddhaman.

533. *Cosmarium ocellatum* var. *mamillatum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Darjiling town, Tiger hills).

534. *Cosmarium pardalis*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Puruliya.

535. *Cosmarium perforatum* var. *skujae*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : North 24 Pgs. and South 24 Pgs. (Dimond Harbour).

536. *Cosmarium phaseolus* var. *minutum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Murshidabad (Baharampur) and Puruliya.

537. ***Cosmarium planogranatum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

538. ***Cosmarium platydesminum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

539. ***Cosmarium polymorphum var. gronbladi***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Birbhum (Siuri) and Darjiling (Ghoom, Kalimpong, Mungpoo).

540. ***Cosmarium portianum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur and Murshidabad (Baharampur).

541. ***Cosmarium pseudobirenum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Ghoom).

542. ***Cosmarium pseudobroomei***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Puruliya.

543. ***Cosmarium pseudoconnatum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : North 24 Pgs., South 24 Pgs. (Dimond Harbour), Darjiling (Darjiling town, Kurseong, Mungpoo) and Medinipur.

544. ***Cosmarium pseudoconnatum forma minus***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Manebhanjang, Mirik), Dinajpur (Balur ghat) and Medinipur.

545. ***Cosmarium pseudoconnatum var. minus***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

546. ***Cosmarium pseudopyramidatum forma minor.***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

547. ***Cosmarium pseudoretusum var. africana***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Barddhaman and Medinipur.

548. ***Cosmarium punctulatum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Manebhanjan).

549. ***Cosmarium punctulatum var. subpunctatum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Barddhaman, Darjiling (Ghoom, Sukna, Tsungthan, Tonglu) and Medinipur.

550. ***Cosmarium pyramidatum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

551. ***Cosmarium quadratum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Batasi).

552. ***Cosmarium quadrilaterium***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Barddhaman.

553. ***Cosmarium quadrum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Lava, Mungpoo, Phalut), Maldah and Medinipur.

554. ***Cosmarium quadrum*** var. ***minus***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Medinipur.
555. ***Cosmarium regulare***  
*Life form* : On water/on sediment.  
*Habitat*: Aquatic (freshwater).  
*Distribution* : Darjiling (Batasi, Darjiling town, Lava).
556. ***Cosmarium retusum*** var. ***angustatum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Darjiling (Phalut, Sandakphu).
557. ***Cosmarium speciosissimum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Bankura, Barddhaman and Medinipur.
558. ***Cosmarium speciosum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Darjiling (Batasi, Ghoom, Kalimpong, Tonglu) and Jalpaiguri.
559. ***Cosmarium speciosum*** var. ***biforme***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Darjiling
560. ***Cosmarium speciosum*** var. ***intermedium***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Medinipur.
561. ***Cosmarium stigmatosum*** var. ***hakalukiense***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Puruliya.
562. ***Cosmarium striolatum forma intermedia***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).
- Distribution* : Medinipur.
563. ***Cosmarium striolatum*** var. ***nordstedtii***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : North 24 Pgs. and South 24 Pgs. (Dimond Harbour).
564. ***Cosmarium subarulare*** var. ***rugosum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Bankura.
565. ***Cosmarium subauriculatum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Darjiling (Ghoom), Jalpaiguri and Medinipur.
566. ***Cosmarium subauriculatum*** var. ***truncatum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Medinipur.
567. ***Cosmarium subcrenatum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Birbhum (Siuri) and Darjiling (Kurseong).
568. ***Cosmarium subspeciosum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Dinajpur (Balurghat).
569. ***Cosmarium subspeciosum*** var. ***valdius***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Birbhum (Siuri).
570. ***Cosmarium subtumidum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).

*Distribution* : North 24 Pgs., South 24 Pgs. (Diamond Harbour) and Darjiling (Kalimpong, Kurseong, Mirik).

571. ***Cosmarium subtumidum forma minor***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Sukiapokhri).

572. ***Cosmarium uldulatum* var. *crenulatum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Puruliya.

573. ***Cosmarium uldulatum* var. *minutam***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Ghoom).

574. ***Cosmarium venustum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Barddhaman.

575. ***Cosmarium wenmanae***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

576. ***Cosmarium witrockii***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Darjiling town).

577. ***Cylindrocystis brebissonii***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Mungpoo, Phalut, Rimbik, Senchal lake).

578. ***Cylindrocystis crassa***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Mungpoo).

579. ***Cylindrocystis* sp.**

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling.

580. ***Desmidium aptogonum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Mirik lake).

581. ***Desmidium bailevi***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

582. ***Desmidium bailevi forma tetragona***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling.

583. ***Desmidium bengalicum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Bankura.

584. ***Desmidium coarctatum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

585. ***Desmidium grevilli De Baryfa***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Birbhum (Siuri), Barddhaman and Kolkata.

586. ***Desmidium grevillii***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Maldah.

587. ***Desmidium quadratum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Senchal lake).



588. *Desmidium* sp.

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling.

589. *Desmidium swaetzii* var. *ambloydon*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Barddhaman.

590. *Desmidium swarrzii*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : North 24 Pgs., South 24 Pgs. (Diamond Harbour) and Darjiling (Mirik lake).

591. *Euastrum acanthophorum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Bankura and Medinipur.

592. *Euastrum ansatum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

593. *Euastrum ansatum* var. *dideltiform*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

594. *Euastrum ansatum* var. *pyxidatum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Mirik lake).

595. *Euastrum binale*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Darjiling town, Mirik, Mungpoo, Tonglu) and Jalpaiguri.

596. *Euastrum ceylanicum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Kurseong, Lava, Sukna, Mungpoo).

597. *Euastrum coralloides* var. *trigibberum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

598. *Euastrum denticulatum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Birbhum (Siuri) and Darjiling (Batasi, Ghoom, Phalut).

599. *Euastrum didelta* var. *bengalium*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

600. *Euastrum dubium*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Barddhaman, Darjiling (Kurseong, Mungpoo, Phalut), Dinajpur (Balur ghat) and Medinipur.

601. *Euastrum elegans*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

602. *Euastrum gnathophorum* var. *bulbuosum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

603. *Euastrum horikawae*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

604. *Euastrum longicolla* var. *capitatum forma*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

605. ***Euastrum moebii***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Bankura.
606. ***Euastrum serratum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Medinipur.
607. ***Euastrum sinuosum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Medinipur.
608. ***Euastrum sinuosum* var. *ceylanicum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Medinipur.
609. ***Euastrum sinuosum* var. *marchesoni***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Bankura and Puruliya.
610. ***Euastrum* sp.**  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Bankura.
611. ***Euastrum spinulosum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Bardhaman, Darjiling and Medinipur.
612. ***Euastrum spinulosum* var. *burmenese***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : North 24 Pgs. and South 24 Pgs. (Diamond Harbour).
613. ***Euastrum spinulosum* var. *intermius***  
*Life form* : On water/on sediment.
- Habitat* : Aquatic (freshwater).  
*Distribution* : Birbhum (Siuri).
614. ***Euastrum spinulosum* var. *vaasii***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Maldah.
615. ***Euastrum subhexalobum* var. *scrobiculatum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Medinipur.
616. ***Euastrum sublabatum* var. *incrassatum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Darjiling (Darjiling town, Sukna) and Dinajpur (Balurghat).
617. ***Euastrum sublobatum* var. *obtusatum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Darjiling (Mungpoo).
618. ***Euastrum substellatum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Darjiling (Kurseong) and Jalpaiguri.
619. ***Euastrum turgidium* var. *grunowii***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Medinipur.
620. ***Euastrum alidium***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Medinipur.
621. ***Gonatozygon aculeatum***  
*Life form* : On water/on sediment.  
*Habitat* : Aquatic (freshwater).  
*Distribution* : Darjiling (Ghoom, Sandakphu, Tonglu).

**622. *Gonatozygon kinahani***

*Distribution* : Darjiling (Kalimpong, Lava, Mirik) and Hugli.

**623. *Gonatozygon monotaenium***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Kurseong, Senchal lake, Tiger hills).

**624. *Gonatozygon pilosum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Lower hills of Darjiling).

**625. *Gonatozygon* sp.**

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Maldah, Murshidabad (Baharampur) and Puruliya.

**626. *Hyalotheca dissiliens***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Bankura, Darjiling (Lava, Mungpoo, Phalut) and Medinipur.

**627. *Hyalotheca* sp.**

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Bankura and Birbhum.

**628. *Micrasterias alata***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

**629. *Micrasterias foliacea***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

**630. *Micrasterias mahabuleahwarensis*  
var. *surculifera***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

**631. *Micrasterias mahabuleshwarensis***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

**632. *Micrasterias mahabuleshwarensis*  
var. *comperei***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling and Medinipur.

**633. *Micrasterias rotata***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

**634. *Netrium digitus***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Bankura, Birbhum, Darjiling (Sandakphu), Maldah and Medinipur.

**635. *Netrium* sp.**

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling.

**636. *Onychonema laeva***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Kurseong) and Medinipur.

**637. *Onychonema laeva* var. *malacense***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

**638. *Onychonema laeva* var. *malacense*  
*forma granulatum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

**639. *Onychonema laeva* var.  
*sumatranum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling.

640. ***Onychonema*** sp.

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling.

641. ***Phymatodocis irregularis***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Bankura.

642. ***Pleurotaenium trabecula***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Bankura and Medinipur (Jamtala).

643. ***Pleurotaenium coroniferum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

644. ***Pleurotaenium ehrenbergii***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Bardhaman, Darjiling (Kalimpong), Maldah, Medinipur and Murshidabad (Baharampur).

645. ***Pleurotaenium eugeneum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Bankura and Medinipur.

646. ***Pleurotaenium irregulare***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

647. ***Pleurotaenium kayei***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

648. ***Pleurotaenium lagerheimii forma minor***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur and Puruliya.

649. ***Pleurotaenium nodosum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : North 24 Pgs., South 24 Pgs. (Diamond Harbour) and Bankura.

650. ***Pleurotaenium ovatum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur (Keshpur).

651. ***Pleurotaenium*** sp.

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling.

652. ***Pleurotaenium subcoronulatum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Murshidabad (Baharampur) and Puruliya.

653. ***Pleurotaenium trabecula*** var. ***elongatum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Bankura.

654. ***Pleurotaenium trabecula*** var. ***elongatum***

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

655. ***Pleurotaenium truncatum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Birbhum (Siuri) and Darjiling (Ghoom, Kurseong, Phalut, Sukna).

656. ***Pleurotaenium errucosum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling.

657. *Spirotaenia condensata*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Bankura and Medinipur.

658. *Spirotaenia* sp.

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Bankura.

659. *Spondylosum nitens*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Phalut, Rimbick, Sandakphu).

660. *Spondylosum nitens* var. *triangulare forma*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Nadia.

661. *Spondylosum planum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

662. *Spondylosum* sp.

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

663. *Staurastrum aculeatum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Phalut, Sandakphu, Tonglu).

664. *Staurastrum bellum* ar. *simplicius*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Birbhum (Siuri), Barddhaman, Kolkata, Maldah and Murshidabad (Baharampur).

665. *Staurastrum borgeanum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling.

666. *Staurastrum corniculatum* var. *ariable*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Bankura, Medinipur and Puruliya.

667. *Staurastrum dejectum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Mirik lake).

668. *Staurastrum furcatum* forma *richae*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater):

*Distribution* : Darjiling (Kurseong, Senchal lake, Tiger hill).

669. *Staurastrum gladiusum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

670. *Staurastrum indentatum* forma *minus*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur and Puruliya.

671. *Staurastrum longispinum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Birbhum (Siuri), Barddhaman and Kolkata.

672. *Staurastrum polymorphum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Ghoom).

673. *Staurastrum saltans*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

674. ***Staurostrum saltans*** var.  
***javanicum***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Bankura.

675. ***Staurostrum saltans*** var.  
***polychara***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : North 24 Pgs., South 24 Pgs.  
(Diamond Harbour) and Medinipur.

676. ***Staurostrum*** sp.

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling.

677. ***Staurostrum tohopekaligense***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Mungpoo).

678. ***Staurostrum tohopekaligense***  
***forma minus***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

679. ***Staurostrum wildemanii*** var.  
***horizontale***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Bankura and Medinipur.

680. ***Staurodesmus andrzejewskii***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Puruliya.

681. ***Staurodesmus convergens***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

682. ***Staurodesmus convergens*** var.  
***ralfsii forma***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Sukna).

683. ***Staurodesmus cur atus*** var. ***latus***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Darjiling town).

684. ***Staurodesmus dejectus***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Ghoom).

685. ***Staurodesmus dickiei*** var.  
***microspinus***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Kurseong).

686. ***Staurodesmus*** sp.

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Kolkata and Koch Bihar.

687. ***Tetmemorous laveis***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling (Darjiling town).

688. ***Tetmemorous*** sp.

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling.

689. ***Triploceras gracile***

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Bankura, Darjiling  
(Manebhanjang, Mirik, Mungpoo, Tonglu),  
Jalpaiguri and Medinipur.

690. ***Triploceras*** sp.

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling.

691. *Xanthidium acanthophorum* var.  
*raciborskii*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur and Nadia.

692. *Xanthidium antilopaeum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Darjiling and Medinipur.

693. *Xanthidium armatum* var.  
*anguligerum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Birbhum (Siuri), Barddhaman and Kolkata.

694. *Xanthidium calcarato aculeatum*  
var. *sudense*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Maldah.

695. *Xanthidium cristatum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Bankura.

696. *Xanthidium freemanii*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Barddhaman.

697. *Xanthidium lepidum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

698. *Xanthidium siolii*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Bankura.

699. *Xanthidium spinosum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Medinipur.

700. *Xanthidium superbum*

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : South 24 Pgs. (Diamond Harbour).

701. *Xanthidium* sp.

*Life form* : On water/on sediment.

*Habitat* : Aquatic (freshwater).

*Distribution* : Kolkata and Koch Bihar.

Class CHLOROPHYCEAE

702. *Aphanochaete repens*

*Life form* : Water bodies.

*Habitat* : Benthic.

*Distribution* : South 24 Pgs., Kolkata and Murshidabad.

703. *Aphanochaete* sp.

*Life form* : Water bodies.

*Habitat* : Benthic.

*Distribution* : Barddhaman and Kolkata.

704. *Bulbochaetae elatior*

*Life form* : Water bodies.

*Habitat* : Benthic.

*Distribution* : Maldah and Murshidabad (Baharampur).

705. *Bulbochaetae insignis* var.  
*bengalensis*

*Life form* : Water bodies.

*Habitat* : Benthic.

*Distribution* : Birbhum.

706. *Bulbochaetae nana*

*Life form* : Water bodies.

*Habitat* : Benthic.

*Distribution* : Birbhum (Gusoro).

707. *Bulbochaetae nigerica*

*Life form* : Water bodies.

*Habitat* : Benthic.

*Distribution* : Birbhum (Bangchatra).

**708. *Bulbochaetae nigerica* var. *indica****Life form* : Water bodies.*Habitat* : Benthic.*Distribution* : Bardhaman.**709. *Bulbochaetae nordsledtii****Life form* : Water bodies.*Habitat* : Benthic.*Distribution* : Birbhum (Gusoro).**710. *Bulbochaetae praereticulata****Life form* : Water bodies.*Habitat* : Benthic.*Distribution* : Murshidabad (Pilkunda).**711. *Bulbochaetae* sp.***Life form* : Water bodies.*Habitat* : Benthic.*Distribution* : Kolkata.**712. *Bulbochaetae tenuis****Life form* : Water bodies.*Habitat* : Benthic.*Distribution* : Birbhum (Gusoro), Bardhaman and Kolkata.**713. *Bulbochaetae wuhanensis****Life form* : Water bodies.*Habitat* : Benthic.*Distribution* : Maldah, Murshidabad (Bazarsau) and Nadia.**714. *Caulerpa scalpeliformis****Life form* : Water bodies.*Habitat* : Benthic.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**715. *Caulerpa* sp.***Life form* : Water bodies.*Habitat* : Benthic.*Distribution* : South 24 Pgs.**716. *Cephaleuras laevis****Life form* : Water bodies.*Habitat* : Benthic.*Distribution* : Koch Bihar and Darjiling.**717. *Cephaleuras parasiticus****Life form* : Water bodies.*Habitat* : Benthic.*Distribution* : Koch Bihar and Darjiling (Tista bazar).**718. *Cephaleuras* sp.***Life form* : Water bodies.*Habitat* : Benthic.*Distribution* : Darjiling.**719. *Cephaleuras virescens****Life form* : Water bodies.*Habitat* : Benthic.*Distribution* : Koch Bihar and Darjiling.**720. *Ceratium furca****Life form* : Planktonic.*Habitat* : Marine.*Distribution* : North 24 Pgs., South 24 Pgs. (Sunderban) and Koch Bihar.**721. *Ceratium fusus****Life form* : Planktonic.*Habitat* : Marine.*Distribution* : North 24 Pgs., South 24 Pgs. and Koch Bihar.**722. *Ceratium* sp.***Life form* : Planktonic.*Habitat* : Marine.*Distribution* : North 24 Pgs., South 24 Pgs. (Sunderban) and Koch Bihar.**723. *Ceratium trichoceros****Life form* : Planktonic.*Habitat* : Marine.*Distribution* : North 24 Pgs., South 24 Pgs. and Koch Bihar.**724. *Chaetomorpha linum****Life form* : Planktonic.*Habitat* : Marine.*Distribution* : North 24 Pgs., South 24 Pgs. and Kolkata.**725. *Chaetomorpha* sp.***Life form* : Planktonic.*Habitat* : Marine.*Distribution* : North 24 Pgs., South 24 Pgs. (Sunderban) and Kolkata.



726. *Characium apiculatum*

*Life form* : Planktonic.

*Habitat* : Marine.

*Distribution* : Murshidabad.

727. *Characium augustum*

*Life form* : Planktonic.

*Habitat* : Marine.

*Distribution* : Kolkata and Murshidabad.

728. *Characium orissicum*

*Life form* : Planktonic.

*Habitat* : Marine.

*Distribution* : Murshidabad.

729. *Characium* sp.

*Life form* : Planktonic.

*Habitat* : Marine.

*Distribution* : Kolkata and Murshidabad.

730. *Chlamydomonas gleogama*

*Life form* : Planktonic.

*Habitat* : Marine.

*Distribution* : Darjiling.

731. *Chlamydomonas* sp.

*Life form* : Planktonic.

*Habitat* : Marine.

*Distribution* : Darjiling.

732. *Chlorella* sp.

*Life form* : Planktonic.

*Habitat* : Marine.

*Distribution* : Bardhaman, Kolkata, Koch Bihar and Dinajpur.

733. *Chlorella conglomerata*

*Life form* : Planktonic.

*Habitat* : Marine.

*Distribution* : Kolkata.

734. *Chlorella vulgaris*

*Life form* : Planktonic.

*Habitat* : Marine.

*Distribution* : Kolkata.

735. *Cladophora* sp.

*Life form* : Planktonic.

*Habitat* : Marine.

*Distribution* : North 24 Pgs. and South 24 Pgs.

736. *Cladophora crispata* var. *genuina*

*Life form* : Planktonic.

*Habitat* : Marine.

*Distribution* : Kolkata.

737. *Cladophora glomarata*

*Life form* : Planktonic.

*Habitat* : Marine.

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

738. *Cladophora indica*

*Life form* : Planktonic.

*Habitat* : Marine.

*Distribution* : Kolkata, Medinipur and Nadia.

739. *Coleochaete conchata*

*Life form* : Planktonic.

*Habitat* : Epiphytic on Vallisneria.

*Distribution* : Birbhum (Godadharpur) and Murshidabad (Sagardighi).

740. *Coleochaete leve*

*Life form* : Planktonic.

*Habitat* : Marine.

*Distribution* : Birbhum (Karidda).

741. *Coleochaete pseudo-soluta*

*Life form* : Planktonic.

*Habitat* : Marine.

*Distribution* : Murshidabad (Sagardighi).

742. *Coleochaete pulvinata*

*Life form* : Planktonic.

*Habitat* : Pond.

*Distribution* : Birbhum (Bangachatra).

743. *Coleochaete* sp.

*Life form* : Planktonic.

*Habitat* : Epiphytic.

*Distribution* : Bardhaman, Koch Bihar and Dinajpur.

744. ***Cylindrocapsa geminella****Life form* : Planktonic.*Habitat* : Water bodies.*Distribution* : Birbhum (Kotasur).745. ***Cylindrocapsa*** sp.*Life form* : Planktonic.*Habitat* : Marine.*Distribution* : Barddhaman and Kolkata.746. ***Draparnaldipsis indica****Life form* : Planktonic.*Habitat* : Aquatic.*Distribution* : Jalpaiguri.747. ***Draparnaldipsis*** sp.*Life form* : Planktonic.*Habitat* : Aquatic.*Distribution* : Jalpaiguri.748. ***Enteromorpha prolifera****Life form* : Planktonic.*Habitat* : Aquatic.*Distribution* : North 24 Pgs., South 24 Pgs. (Sunderban) and Kolkata.749. ***Enteromorpha*** sp.*Life form* : Planktonic.*Habitat* : Aquatic.*Distribution* : North 24 Pgs., South 24 Pgs. and Kolkata.750. ***Enteromorpha tuberosa****Life form* : Planktonic.*Habitat* : Benthic.*Distribution* : North 24 Pgs., South 24 Pgs. and Kolkata.751. ***Fritschiella*** sp.*Life form* : Planktonic.*Habitat* : Benthic.*Distribution* : Barddhaman, Kolkata, Jalpaiguri and Medinipur.752. ***Fritschiella tuberosa****Life form* : Planktonic.*Habitat* : Benthic.*Distribution* : Birbhum, Jalpaiguri and Medinipur.753. ***Gonium pectorale****Life form* : Planktonic.*Habitat* : Benthic.*Distribution* : Kolkata.754. ***Gonium*** sp.*Life form* : Planktonic.*Habitat* : Benthic.*Distribution* : Kolkata, Murshidabad and Puruliya.755. ***Hydrodictyon indicum****Life form* : Planktonic.*Distribution* : Maldah and Murshidabad (Baharampur).756. ***Hydrodictyon reticulatum****Life form* : Planktonic.*Habitat* : Benthic.*Distribution* : Kolkata.757. ***Hydrodictyon*** sp.*Life form* : Planktonic.*Habitat* : Benthic.*Distribution* : Koch Bihar and Dinajpur758. ***Lychnothamnus barbatus****Life form* : Planktonic.*Habitat* : Benthic.*Distribution* : Kolkata.759. ***Lychnothamnus*** sp.*Life form* : Planktonic.*Habitat* : Benthic.*Distribution* : Kolkata.760. ***Microspora irregularis****Life form* : Planktonic.*Habitat* : Benthic.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).761. ***Mougeotia bangalorensis****Life form* : Planktonic.*Habitat* : Benthic.

*Distribution* : Birbhum (Tantipara), Bardhaman and Kolkata.

**762. *Mougeotia cyanea***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Birbhum (Bolpur), Bardhaman and Kolkata.

**763. *Mougeotia droueti* var.  
*Birbhumensis***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Murshidabad (Bhabta) and Puruliya.

**764. *Mougeotia drouetii***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Birbhum (Murarai, Mitrapur), Bardhaman and Kolkata.

**765. *Mougeotia floridana***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Murshidabad (Bazarsau) and Puruliya.

**766. *Mougeotia laetavirens***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Murshidabad (Bidyapara) and Puruliya.

**767. *Mougeotia longiarticulata***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Murshidabad (Bazarsau) and Puruliya.

**768. *Mougeotia macrocarpa***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Murshidabad and Puruliya.

**769. *Mougeotia mysorensis***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Murshidabad.

**770. *Mougeotia poinciana***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Birbhum (Kotasur), Maldah and Murshidabad (Bazarsau).

**771. *Mougeotia seminoleana***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Maldah and Murshidabad (Marodighi).

**772. *Mougeotia sphaerocarpa***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Birbhum (Mirapur), Bardhaman and Kolkata.

**773. *Mougeotia* sps.**

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Kolkata and Koch Bihar.

**774. *Mougeotia viridis***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Murshidabad (Kandi).

**775. *Oedocladium prescottii***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : North 24 Pgs., South 24 Pgs. (Sunderban) and Bardhaman.

**776. *Oedocladium terrestris***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : North 24 Pgs., South 24 Pgs. and Bardhaman.

**777. *Oedocladium* sp.**

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Bardhaman.

**778. *Oedogonium multisporium****Life form* : Planktonic.*Habitat* : Benthic.*Distribution* : Medinipur (Narajole) and Nadia.**779. *Oedogonium sociale****Life form* : Planktonic.*Habitat* : Benthic.*Distribution* : Darjiling (Mirik lake) and Jalpaiguri.**780. *Oedogonium* sp.***Life form* : Planktonic.*Habitat* : Benthic.*Distribution* : Barddhaman and Kolkata.**781. *Padiagtrum clathratum****Life form* : Planktonic.*Habitat* : Benthic.*Distribution* : Kolkata.**782. *Padiagtrum simplex****Life form* : Planktonic.*Habitat* : Benthic.*Distribution* : Kolkata.**783. *Padiagtrum tetras****Life form* : Planktonic.*Habitat* : Benthic.*Distribution* : Murshidabad.**784. *Padiagtrum* sp.***Life form* : Planktonic.*Habitat* : Benthic.*Distribution* : Kolkata.**785. *Pandorina morum****Life form* : Planktonic.*Habitat* : Benthic.*Distribution* : Darjiling (Senchal lake).**786. *Pandorina* sp.***Life form* : Planktonic.*Habitat* : Benthic.*Distribution* : Darjiling.**787. *Panium navicula* var. *inflatum****Life form* : Planktonic.*Habitat* : Benthic.*Distribution* : Darjiling (Lower hills of Darjiling).**788. *Panium* sp.***Life form* : Planktonic.*Habitat* : Benthic.*Distribution* : Darjiling.**789. *Pediestrum duplex****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**790. *Pediestrum simplex****Life form* : Planktonic.*Habitat* : Estuary.*Distribution* : North 24 Pgs. and South 24 Pgs.**791. *Peridinium globulus****Life form* : Planktonic.*Habitat* : Marine.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**792. *Peridinium granii****Life form* : Planktonic.*Habitat* : Marine.*Distribution* : North 24 Pgs. and South 24 Pgs.**793. *Peridinium hyaline um****Life form* : Planktonic.*Habitat* : Marine.*Distribution* : North 24 Pgs. and South 24 Pgs.**794. *Peridinium* sp.***Life form* : Planktonic.*Habitat* : Marine.*Distribution* : North 24 Pgs. and South 24 Pgs.

795. *Phymatodocis* sp.

*Life form* : Planktonic.

*Habitat* : Marine.

*Distribution* : Bankura.

796. *Pithophora oedogonia*

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Kolkata.

797. *Rhizoclonium riparium*

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : North 24 Pgs., South 24 Pgs. (Sunderban) and Kolkata.

798. *Rhizoclonium* sp.

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : North 24 Pgs and South 24 Pgs. (Sunderban).

799. *Scenedesmus oblicues*

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Kolkata.

800. *Schizomeris leibteinii*

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Birbhum (Tatipara), Murshidabad (Baharampur) and Puruliya.

801. *Sirocladium himalayensis*

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Kolkata.

802. *Sirocladium kumaoense*

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Kolkata.

803. *Sirocladium maharashtrense*

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Darjiling.

804. *Sirocladium* sp.

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Darjiling.

805. *Spirogyra anomala*

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Darjiling.

806. *Spirogyra bellis*

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Bardhaman, Kolkata and Koch Bihar.

807. *Spirogyra brunna*

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Murshidabad.

808. *Spirogyra condensala*

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Bardhaman, Kolkata and Koch Bihar.

809. *Spirogyra corrugata*

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Bardhaman, Kolkata and Koch Bihar.

810. *Spirogyra crenulata*

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Bardhaman, Kolkata and Koch Bihar.

811. *Spirogyra daedalea*

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Darjiling (Mungpoo), Haora and Hugli.

812. *Spirogyra elliptica*

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Barddhaman, Kolkata and Koch Bihar.

813. ***Spirogyra farlowii***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Barddhaman, Kolkata and Koch Bihar.

814. ***Spirogyra gujaratensis***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Maldah, Medinipur, Murshidabad and Nadia.

815. ***Spirogyra hunanensis***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Darjiling, Haora and Hugli.

816. ***Spirogyra kundaensis***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Barddhaman, Kolkata and Koch Bihar.

817. ***Spirogyra maxima***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : South 24 Pgs. (Sunderban), Kolkata, Koch Bihar and Dinajpur.

818. ***Spirogyra minor***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Darjiling (Sukna), Haora and Hugli.

819. ***Spirogyra neglecta***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Kolkata and Koch Bihar.

820. ***Spirogyra nitida***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Kolkata and Koch Bihar.

821. ***Spirogyra orientalis***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Darjiling.

822. ***Spirogyra porticalis***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Barddhaman, Kolkata and Koch Bihar.

823. ***Spirogyra rhizobrachialis***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Barddhaman, Kolkata and Koch Bihar.

824. ***Spirogyra setiformis***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Barddhaman, Kolkata and Koch Bihar.

825. ***Spirogyra sulcata***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Darjiling.

826. ***Spirogyra texensis***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Darjiling (Kalimpong).

827. ***Spirogyra wabshensis***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Darjiling (Sukna).

828. ***Stigeoclonium farclum***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Birbhum (Mitrapur), Barddhaman and Kolkata.

829. ***Stigeoclonium aestivale***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Birbhum (Tatipara), Bardhaman and Kolkata.

**830. *Stigeoclonium curvirostrum***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : North 24 Pgs., Murshidabad and Puruliya.

**831. *Stigeoclonium fasciculore***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Birbhum (Dubrajpur), Bardhaman and Kolkata.

**832. *Stigeoclonium flagellifera***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Birbhum (Nannur), Bardhaman and Kolkata.

**833. *Stigeoclonium geraldii***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Birbhum (Bangshatra), Bardhaman and Kolkata.

**834. *Stigeoclonium geraldii* var. *bengalensis***

*Life form* : Planktonic.

*Habitat* : Benthic.

*Distribution* : Birbhum, Bardhaman and Kolkata.

**835. *Stigeoclonium indicum***

*Life form* : On soil.

*Habitat* : Epiphytic.

*Distribution* : Birbhum, Bardhaman and Kolkata.

**836. *Stigeoclonium longipilum***

*Life form* : On soil.

*Habitat* : Epiphytic.

*Distribution* : Birbhum, Bardhaman and Kolkata.

**837. *Stigeoclonium pachydermum***

*Life form* : On soil.

*Habitat* : Epiphytic.

*Distribution* : Birbhum, Bardhaman and Kolkata.

**838. *Stigeoclonium penicillatum***

*Life form* : On soil.

*Habitat* : Epiphytic.

*Distribution* : Murshidabad.

**839. *Stigeoclonium pusillum***

*Life form* : On soil.

*Habitat* : Epiphytic.

*Distribution* : Birbhum, Bardhaman and Kolkata.

**840. *Stigeoclonium tenue***

*Life form* : On bark/on rock.

*Habitat* : Epiphytic.

*Distribution* : Birbhum, Bardhaman and Kolkata.

**841. *Trentepholia abietina***

*Life form* : On bark/on rock.

*Habitat* : Epiphytic.

*Distribution* : Darjiling (Tiger hills).

**842. *Trentepholia abietina* var. *crassisepta***

*Life form* : On bark/on rock.

*Habitat* : Epiphytic.

*Distribution* : Darjiling (Tonglu).

**843. *Trentepholia annulata***

*Life form* : On bark/on rock.

*Habitat* : Epiphytic.

*Distribution* : Darjiling (Darjiling hills).

**844. *Trentepholia arboreum***

*Life form* : On bark/on rock.

*Habitat* : Epiphytic.

*Distribution* : Darjiling (Darjiling hills).

**845. *Trentepholia aurea***

*Life form* : On bark/on rock.

*Habitat* : Epiphytic.

*Distribution* : Darjiling (Darjiling hills).

**846. *Trentepholia aurea* var. *lanosa****Life form* : On bark/on rock.*Habitat* : Epiphytic.*Distribution* : Darjiling (Darjiling hills).**847. *Trentepholia cuculata****Life form* : On bark/on rock.*Habitat* : Epiphytic.*Distribution* : Darjiling (Phalut).**848. *Trentepholia dialepta****Life form* : On bark/on rock.*Habitat* : Epiphytic.*Distribution* : Darjiling (Kalimpong).**849. *Trentepholia diffracta****Life form* : On bark/on rock.*Habitat* : Epiphytic.*Distribution* : Darjiling (Sandakphu).**850. *Trentepholia jucunda****Life form* : On bark/on rock.*Habitat* : Epiphytic.*Distribution* : Darjiling.**851. *Trentepholia lagerheimii****Life form* : On bark/on rock.*Habitat* : Epiphytic.*Distribution* : Darjiling (Rimbick).**852. *Trentepholia odorata****Life form* : On bark/on rock.*Habitat* : Epiphytic.*Distribution* : Darjiling (Rimbick).**853. *Trentepholia santurcensis****Life form* : On bark/on rock.*Habitat* : Epiphytic.*Distribution* : Darjiling (Sandakphu)**854. *Trentepholia* sps.***Life form* : On bark/on rock.*Habitat* : Epiphytic.*Distribution* : Koch Bihar, Darjiling and Dinajpur.**855. *Trentepholia umbrina****Life form* : On bark/on rock.*Habitat* : Epiphytic.*Distribution* : Darjiling (Darjiling hills).**856. *Trentepholia villosa****Life form* : Planktonic.*Habitat* : Benthic.*Distribution* : Darjiling (Darjiling hills).**857. *Ulothrix fimbriata****Life form* : Aquatic.*Habitat* : Epiphytic.*Distribution* : Murshidabad.**858. *Ulothrix munaliformis****Life form* : Aquatic.*Habitat* : Epiphytic.*Distribution* : Birbhum, Barddhaman and Kolkata.**859. *Ulothrix ariablis****Life form* : Aquatic.*Habitat* : Epiphytic.*Distribution* : Darjiling (Mirik lake) and Murshidabad (Baharampur).**860. *Ulothrix orida****Life form* : Aquatic.*Habitat* : Epiphytic.*Distribution* : Darjiling (Mirik lake).**861. *Ulothrix zonata****Life form* : Aquatic.*Habitat* : Epiphytic.*Distribution* : Birbhum and Kolkata**862. *Ulva lobata****Life form* : Aquatic.*Habitat* : Benthic.*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).**863. *Ulva* sp.***Life form* : Aquatic.*Habitat* : Benthic.*Distribution* : North 24 Pgs. and South 24 Pgs.**864. *Uronema gigas****Life form* : Aquatic.



*Habitat* : Benthic.

*Distribution* : Birbhum (Tatipara), Barddhaman and Kolkata.

**865. *Vaucheria sessilis***

*Life form* : Aquatic.

*Habitat* : Benthic.

*Distribution* : Kolkata and Murshidabad.

**866. *Volvox aureus***

*Life form* : Aquatic.

*Habitat* : Benthic.

*Distribution* : Kolkata, Koch Bihar and Dinajpur.

**867. *Vaucherier sessilis***

*Life form* : Aquatic.

*Habitat* : Benthic.

*Distribution* : Murshidabad.

**868. *Zygnema kiangsiense***

*Life form* : Aquatic.

*Habitat* : Benthic.

*Distribution* : Kolkata and Koch Bihar.

**869. *Zygnema majus***

*Life form* : Aquatic.

*Habitat* : Benthic.

*Distribution* : Kolkata and Koch Bihar.

**870. *Zygnema pectinatum***

*Life form* : Aquatic.

*Habitat* : Benthic.

*Distribution* : Kolkata and Koch Bihar.

**871. *Zygnemorpsis benghalensis***

*Life form* : Aquatic.

*Habitat* : Benthic.

*Distribution* : Birbhum (Rajnagar) and Barddhaman.

**872. *Zygnemorpsis pseudolahaulensis***

*Life form* : Aquatic.

*Habitat* : Benthic.

*Distribution* : Birbhum (Bakreswar) and Barddhaman.

**873. *Zygnemorpsis scrobiculata***

*Life form* : Aquatic.

*Habitat* : Benthic.

*Distribution* : Murshidabad (Bazarsau) and Puruliya.

**874. *Zygnemorpsis* sp.**

*Life form* : Aquatic.

*Habitat* : Benthic.

*Distribution* : Birbhum and Barddhaman.

## FUNGI

- Kingdom PLANTAE  
 Sub kingdom CRYPTOGAMA  
 Division THALLOPHYTA  
 Sub Division FUNGI
1. ***Absidia blakesleeana*** Lender  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Moist soil/decomposed litters/leaves.  
*Distribution* : Kolkata.
  2. ***Acanlopage pectospora*** Drechs  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Moist soil/decomposed litters/leaves.  
*Distribution* : Nadia.
  3. ***Mucor janseni*** Lander  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : South 24 Pgs.
  4. ***Mucor lamprosporus*** Lender  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Kolkata.
  5. ***Mucor mucedo*** L. : Fr.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Kolkata.
  6. ***Rhizopus cambodja*** (Chrasziz) Vuill.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
  7. ***Rhizopus nigricans*** Ehrenb.  
*Life form* : Saprophyte.  
*Habitat* : On soil.  
*Distribution* : Kolkata , Haora.
  8. ***Rhizopus rhizopodiformes*** (Cohn)  
 Zopf.  
*Life form* : Saprophyte.  
*Habitat* : On soil.  
*Distribution* : Kolkata and Haorah.
  9. ***Rhizopus stolonifer*** (Ehrenb : F) Linb  
*Life form* : Saprophyte.  
*Habitat* : On soil.  
*Distribution* : Kolkata.  
 Family CAPNODIACEAE
  10. ***Acanthostoma wattii*** (Syd. & Bntl.)  
 Theiss.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Moist soil/decomposed litters/leaves.  
*Distribution* : Darjiling.  
 Family DOTHIDEACEAE
  11. ***Achorella indicum*** Cast.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Moist soil/decomposed litters/leaves.  
*Distribution* : Kolkata.
  12. ***Achlya klebsiana*** Pieters  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Pond water.  
*Distribution* : Kolkata.
  13. ***Aulographum maculare*** Berk. & Br.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Moist soil/decomposed litter/leaves.  
*Distribution* : Darjiling.
  14. ***Appendiculella colostroma*** (Desm.)  
 Hohn.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Moist soil/decomposed litters/leaves.  
*Distribution* : Darjiling.
  15. ***Armatella cinnamoni*** Hansf. & Thirum.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Moist soil/decomposed litters/leaves.  
*Distribution* : Darjiling.

16. ***Asteromassaria macrocarpa*** (Desm)  
Hohnel.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Moist soil/decomposed litters/  
leaves.  
*Distribution* : South 24 Pgs.
17. ***Botryosphaeria ingae*** Kar & Maity  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Kolkata and Nadia.
18. ***Ceuthospora diospyri***  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Nadia.
19. ***Chaetothyrium javanicum*** (Zimm.)  
Boedijn.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Darjiling.
20. ***Endodothella bambusae*** (Raben)  
Theiss. & Syd.  
*Life form* : Mycelial Colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Kolkata.
- Family MONILIACEAE
21. ***Acremonium argemonis***  
Purk & Malik  
*Life form* : Parasites.  
*Habitat* : Leaf surface.  
*Distribution* : North 24 Pags.
22. ***Acrophialophora fusispora*** (Sak.)  
Samson  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Moist soil/decomposed litters/  
leaves.  
*Distribution* : Nadia.
23. ***Aspergillus argentum*** Rai &  
Chowdhury  
*Life form* : Mycelial colourless thallophytes.
- Habitat* : On soil/Leaves.  
*Distribution* : South 24 Pgs.
24. ***Aspergillus atropurpureus*** Zimm.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/Leaves.  
*Distribution* : Kolkata.
25. ***Aspergillus glaucus*** Link.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/Leaves.  
*Distribution* : All districts.
26. ***Aspergillus porosities*** Speore  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/Leaves.  
*Distribution* : All districts.
27. ***Aspergillus ruber*** (Bremer) Thom &  
Raper  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/Leaves.  
*Distribution* : All districts.
28. ***Aspergillus rugulosus*** Thom & Raper  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/Leaves.  
*Distribution* : All districts.
29. ***Aspergillus tamaritii*** Kita  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/Leaves.  
*Distribution* : All districts.
30. ***Aspergillus terreus*** Thom.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/Leaves.  
*Distribution* : All districts.
31. ***Aspergillus aculeatus*** Lizuka  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Moist soil/decomposed litters/  
leaves.  
*Distribution* : Darjiling.
32. ***Aspergillus candidus*** Link  
*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Kolkata.

**33. *Aspergillus clariflori***

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Jalpaiguri.

**34. *Aspergillus drimycorpi***

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Darjiling.

**35. *Aspergillus flavipes*** (Bain. & Start.)

Thom. & Churt

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Hugli.

**36. *Aspergillus aculeatus*** Lizuka

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Darjiling.

**37. *Aspergillus candidus*** Link

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Kolkata.

**38. *Aspergillus clariflori***

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Jalpaiguri.

**39. *Aspergillus drimycorpi***

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Darjiling.

**40. *Aspergillus flavipes*** (Bain. & Start.)

Thom. & Churt

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Hugli.

**41. *Aspergillus flavus*** Link

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Kolkata.

**42. *Aspergillus fumigatus*** Fees

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Kolkata.

**43. *Aspergillus luchuensis*** Cnui

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Hugli.

**44. *Aspergillus nanus*** Mont.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Kolkata.

**45. *Aspergillus ochraceus*** Withelm.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Kolkata and Darjiling.

**46. *Aspergillus pseudonidulans*** Vuill.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Kolkata.

**47. *Aspergillus raianum*** Chowdhury

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : South 24 Pgs.

48. ***Aspergillus striatus*** Rai

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : South 24 Pgs.

49. ***Aspergillus violaceo fuscus*** Casp

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Hugli.

50. ***Aspergillus flavus*** Link

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Kolkata.

51. ***Atractium indicum*** Chona & Munjal

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Darjiling.

52. ***Bipolaris halodes*** (Drechs) Shoem.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Hugli.

53. ***Bispora antennata*** (Pers : Pers)  
Mason

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : South 24 Pgs.

54. ***Botrytis cinerea*** Pers.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : South 24 Pgs.

55. ***Candida ghosi*** Mitra

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Leaves.

*Distribution* : Kolkata.

56. ***Castellania pasutropicales***  
(Schw.) de not

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Leaves.

•*Distribution* : Kolkata.

57. ***Cephalosporium curtipes*** Sacc.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Leaves.

*Distribution* : Haora.

58. ***Cephalosporium eichhorniae***  
Padwick

*Life form* : Parasite.

*Habitat* : Leaves.

*Distribution* : Kolkata.

59. ***Ceratophorum hypodermum*** Naissl.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Leaves.

*Distribution* : Haora.

60. ***Cercosporidium tinosporae***  
Kar & Ray

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Leaves.

*Distribution* : Nadia.

61. ***Cladosporium fulvum*** Cke.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Leaves.

*Distribution* : Kolkata.

62. ***Cladosporium herbarum*** (Pers.) Link.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Leaves.

*Distribution* : North 24 Pgs. and South 24 Pgs.

63. ***Cladosporium indicum***  
Rai, Tewari & Mukherjee

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Leaves.

*Distribution* : Birbhum.

64. ***Cladosporium macrocarpum*** Preuss.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : North 24 Pgs. and South 24 Pgs.
65. ***Cladosporium sphaerospermum***  
 Penz  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Kolkata.
66. ***Cylindrocladium camelliae*** Venkat  
 Vank. Ram  
*Life form* : Parasite.  
*Habitat* : On leaves.  
*Distribution* : Darjiling.
67. ***Cladotrichum foliecola*** (Niess) Ferr.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Kolkata.
68. ***Coniosporium donacis*** (Niessl.) Sacc.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Kolkata.
69. ***Coniothyrium phragmites***  
 Purakayastha & Malik  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : North 24 Pgs. and South 24 Pgs.
70. ***Corynespora caliciodea*** (Berk. & Br.)  
 Ellis  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : North 24 Pgs. and South 24 Pgs.
71. ***Dactylaria dasguptii*** Shome & Shome  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Nadia.
72. ***Dactylaria endermata*** Drechs  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Nadia.
73. ***Drechslera chattopadhyagi*** Mandal  
 & Dasgupta  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Birbhum.
74. ***Drechslera spicifera*** (Bain) Nicot.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Kolkata.
75. ***Endocalyx melanoxanthus***  
 (Berk. & Br.) Petch  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Darjiling.
76. ***Favotrichophyton discoides*** (Sabour)  
 Lemaire  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Kolkata.
77. ***Trichophyton crateriforme*** Sabour.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
78. ***Trichophyton ferrufineum*** (Ota) Lang.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
79. ***Trichophyton niveum*** Sabour.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
80. ***Trichophyton tonsurans*** Malm.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.

81. **Trichophyton rubrum** (Cast.) Sabour  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
82. **Trichophyton violaceum** Sabour.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
83. **Trichurus gragonifer** Bain.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
84. **Trichurus spiralis** Hess.  
*Life form* : Saprophyte.  
*Habitat* : On soil.  
*Distribution* : Darjiling and Kolkata.
85. **Ulocaladium botrytis** (Preuss.) Simn.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
86. **Verticillium cinnabarium** (Corda)  
 Reink.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
87. **Volutella indica** (Niesel) Sacc.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
88. **Xenosporium indicum** Panwar  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.  
 Family PUCCINIACEAE
89. **Aecidium mori** Barclay  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Moist soil/decomposed litters/  
 leaves.  
*Distribution* : Darjiling.
90. **Aecidium pygei** Syd.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Moist soil/decomposed litters/  
 leaves.  
*Distribution* : Darjiling.
91. **Chnoospora butleri** Diet. & Syd.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Darjiling.
92. **Uredo discorenae** P. Henn.  
*Life form* : Saprophyte.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.
93. **Uromyces setarie italicae** (Diet.)  
 Yashino  
*Life form* : Parasite.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.  
 Family AGARICACEAE
94. **Agaricus burkillii** Moss  
*Life form* : Saprophyte.  
*Habitat* : On soil/litter.  
*Distribution* : Kolkata.
95. **Agaricus campestris** L.  
*Life form* : Saprophytes.  
*Habitat* : On soil/litter.  
*Distribution* : All districts.
96. **Agaricus exalatus** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Moist soil/decomposed litters/  
 leaves.  
*Distribution* : Darjiling.
97. **Agaricus silvaticus** Schaelf  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Moist soil/decomposed litters/  
 leaves.  
*Distribution* : Darjiling.
98. **Agaricus squalidus** Mass  
*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/  
leaves.

*Distribution* : Kolkata.

99. ***Chnoospora butleri*** Diet. & Syd.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Leaves.

*Distribution* : Darjiling.

100. ***Pholiotoa examinans*** Berk

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

101. ***Lepiota delicolum*** Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Darjiling.

102. ***Lepiota cepaestipes*** Sow.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Kolkata.

103. ***Lepiota erminea*** Fr.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Kolkata.

104. ***Lepiota flavophylla*** Mass.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Kolkata.

105. ***Lepiota mimica*** Mass.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Kolkata.

106. ***Lepiota sericea*** Mass.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Kolkata.

107. ***Thielavia angulata*** Das

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

Family CAPRINACEAE

108. ***Agrocybe preceox*** (Pers : Fr.) S. F.

Gray

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/  
leaves.

*Distribution* : Kolkata.

109. ***Annularia burkillae***(Schultz.) Gill.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/  
leaves.

*Distribution* : Kolkata.

110. ***Coprinus comatus*** Fr.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

111. ***Coprinus disseminatus*** (pers.: Fr.) S.

F. Gray

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

112. ***Coprinus hookeri*** Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

113. ***Coprinus micaceus*** (Bull.)Fr.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

114. ***Coprinus niveus*** (Pers.) Fr.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Birbhum , Kolkata and Nadia.

115. ***Coprinus vellereus*** Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.



Family ALBUGINACEAE

116. *Albugo bliti* (Biv.) Kuntze

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Maldah.

117. *Albugo platenis* (Speg.) Swingle

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Kolkata, Dinajpur and Haora.

Family HUMARIACEAE

118. *Aleuria aurantia* (Pers.: Fr.) Fuckel

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Bardhaman and Darjiling.

119. *Aleuria balfour-browneae* Waraitch

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Darjiling.

120. *Cheilymenia coprinaria* (Cki) Boud

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Leaves.

*Distribution* : Darjiling.

121. *Cheilymenia stercorea* (Pers.: Fr.)  
Boud.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Leaves.

*Distribution* : Darjiling.

122. *Cheilymenia theleboloides* (Alb. &  
Schw.: Fr.) Boud.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Leaves.

*Distribution* : Darjiling.

123. *Lachnellula himalyensis* Kar & Pal

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

124. *Lamprospora lobata* (Berk. & Curt)  
Seaver.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

125. *Neottiella vivida* (Nylander) Dennis

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

126. *Scutellinia badioberis* Berk: Cke

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : North 24 Pgs. and South 24  
Pgs.

127. *Scutellinia kergulensis* (Berk.)  
Kunze

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

128. *Scutellinia supsba*

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

129. *Tricharia creta* (Cki) Boud

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

130. *Tricharia gilva* Boud.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

131. *Tricharia opculata* Bruhal & Sen

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

Family DEMATIACEAE

132. *Alternaria alternata* (Fr.) Keissler.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Dinajpur and Nadia.

133. *Alternaria brassicola* (Schw.) Willshire

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Darjiling and Jalpaiguri.

134. *Alternaria chartarum* Preuss.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Kolkata.

135. *Alternaria citri* Ellis & Pierce

*Life form* : Parasite.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Kalimpong (Darjiling).

136. *Alternaria crassa* (Sacc.) Rsn. ds.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : North 24 Pgs., South 24 Pgs., Bardhaman, Kolkata and Jalpaiguri.

137. *Alternaria dianthi* Stev. & Hall

*Life form* : Parasite.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Nadia (Kalyani).

138. *Alternaria gomphurenarum* Togashi.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Kolkata.

139. *Alternaria solani* (Ell. & Mart.) Jones & Grant.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Darjiling.

140. *Alternaria triticina* Prashad & Prabhu

*Life form* : Parasite.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Nadia (Kalyani).

141. *Alternaria violae* Gall. & Dorsett.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Kolkata.

142. *Alternaria zinniae* Pape

*Life form* : Parasite.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Nadia (Kalyani).

143. *Annellophora mussaendae*

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Leaves.

*Distribution* : Dinajpur.

144. *Cercospora adinicola* (Kar & Mandal)

*Life form* : Parasite.

*Habitat* : Leaves.

*Distribution* : Medinipur.

145. *Cercospora albizziae* Kar & Mandal

*Life form* : Parasite.

*Habitat* : Leaves.

*Distribution* : Medinipur.

146. *Cercospora allophylorum* Kar & Mandal

*Life form* : Parasite.

*Habitat* : Leaves.

*Distribution* : Medinipur.

147. *Cercospora amomi* Kar & Mandal

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Leaves.

*Distribution* : Darjiling.

148. *Cercospora antidesmatis* Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Darjiling.
149. *Cereospora angulo-maculae*  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Medinipur.
150. *Cercospora bagdorensis* Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Darjiling.
151. *Cercospora brassicicola* P. Henn.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Darjiling.
152. *Cercospora cannabina* Wakef.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Darjiling.
153. *Cercospora cannae* Kar & Ray  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : South 24 Pgs.
154. *Cercospora celosiarum* Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Kolkata.
155. *Cercospora chenopodii* Fr.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Darjiling.
156. *Cercospora commelinae* Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Medinipur.
157. *Cercospora cosmicola* Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Koch Bihar.
158. *Cercospora daemiae* Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Barddhaman.
159. *Cercospora daemiicola* Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Medinipur.
160. *Cercospora daspurensis* Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Medinipur.
161. *Cercospora davaliae* Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Darjiling and Medinipur.
162. *Cercospora diclipterae* Kar & Maity  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Darjiling.
163. *Cercospora ecbolii* Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : South 24 Pgs.
164. *Cercospora eupatoricola* Govindu & Thiryam.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Haora.
165. *Cercospora fici* Heald & Wolf.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Kolkata.

166. ***Cercospora gangetica*** Purkayastha & Malik  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : South 24 Pgs.
167. ***Cercospora haematoxylonis*** Chupp.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Kolkata.
168. ***Cercospora hemidesmi*** Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Murshidabad.
169. ***Cercospora ichnocarpi***  
 Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Jalpaiguri.
170. ***Cercospora launaeae asplenifoliae***  
 Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Murshidabad.
171. ***Cercospora leae macrophyllae***  
 Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Medinipur.
172. ***Cercospora marsdeniicola***  
 Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Medinipur.
173. ***Cercospora oroxyli*** Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Nadia.
174. ***Cercospora oxyphyli*** Pavgi & Singh  
*Life form* : Parasite.  
*Habitat* : Leaves.  
*Distribution* : Medinipur.
175. ***Cercospora oxysporae*** Kar & Mandal  
*Life form* : Parasite.  
*Habitat* : Leaves.  
*Distribution* : Darjiling.
176. ***Cercospora phyllitidis*** Hume  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Medinipur.
177. ***Cercospora polygomiae***  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Jalpaiguri.
178. ***Cercospora polygonicola*** Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Jalpaiguri.
179. ***Cercospora pongamiae*** Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Haora.
180. ***Cercospora pulchella*** Ramakr.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Darjiling.
181. ***Cercospora roxburghii*** Purkayastha & Mallick  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Birbhum, Kolkata and Nadia.
182. ***Cercospora stachytarphetae***  
 (En & Ev)  
*Life form* : Parasite.  
*Habitat* : Leaves.

- Distribution* : Darjiling.
183. ***Cercospora subsessilis*** Syd.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Birbhum, Haora and Nadia.
184. ***Cercospora tagetis*** Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Murshidabad.
185. ***Cercospora trewiae*** Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : North 24 Pgs. and South 24 Pgs.
186. ***Cercospora tragiaefolii*** Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Murshidabad.
187. ***Cercospora typhonii*** Munjal. Lall & Chona  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Kolkata.
188. ***Cercospora urarium*** Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Murshidabad.
189. ***Cercospora withaniae*** H. & P. Syd.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Darjiling.
190. ***Cercospora wedeliae*** Kar & Mandal  
*Life form* : Parasite.  
*Habitat* : Leaves.  
*Distribution* : Darjiling.
191. ***Cercospora zehneriae*** Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.
- Distribution* : Darjiling.
192. ***Cercospora zingibericola*** Kar & Mondal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Murshidabad.
193. ***Dwendsyphion vinosum*** (Berk.& Curt.) Hughes  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
194. ***Epicoccum oryzae*** Ito & Iwad  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Nadia.
195. ***Helminthosporium atro-olivaceum*** Cke. & Markn.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Kolkata.
196. ***Helminthosporium hawaiiensis*** Boug.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.
197. ***Heterosporium interseminatum*** (Berk. & Rav.) Atk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Kolkata.
198. ***Jhonstonia colocasiae*** M. B. Ellis  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Murshidabad.
199. ***Nigrospora oryzae*** (Berk. & Br.) Petch  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Kolkata.

200. *Paecilomyces varioti* Bain  
*Life form* : Parasite.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
201. *Stemphyliomma sarciniformae*  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
202. *Stilbum erythrocephalum* Ditm.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
203. *Trichoderma Karminii*  
*Life form* : Parasite.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
204. *Trichoderma lignorum*  
*Life form* : Parasite.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
205. *Trichoderma viride* Pers. : Fr.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
- Family AMANITACEAE
206. *Amanitopsis regalis* (Berk.) Sacc.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Moist soil/decomposed litters/  
leaves.  
*Distribution* : Darjiling.
207. *Termitomyces eurhizus* (Berk.) Heim  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
208. *Termitomyces microcarpus* (Berk.  
& Br.) Heim  
*Life form* : Saprophyte.  
*Habitat* : On soil.  
*Distribution* : Nadia.
209. *Volvariella delicatula* Mass  
*Life form* : Saprophyte.  
*Habitat* : On soil.  
*Distribution* : Kolkata and Haora.
210. *Volvariella diplasia* Berk. & Br.  
*Life form* : Saprophyte.  
*Habitat* : On soil.  
*Distribution* : Kolkata and Haora.
211. *Volvariella terasteria* (Berk. & Br.) Sing  
*Life form* : Saprophyte.  
*Habitat* : On soil.  
*Distribution* : Kolkata and Haora.
- Family XYLARIACEAE
212. *Anthostomella pandani* (Rab.) Sacc.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Moist soil/decomposed litters/  
leaves.  
*Distribution* : Kolkata.
213. *Anthostoma ingae* Monohar & Rama  
Rao  
*Life form* : Saprophyte.  
*Habitat* : On soil.  
*Distribution* : South 24 Pgs.
214. *Dalelinia vermicosa* (Schro) Ces.  
DeNet  
*Distribution* : Darjiling.
215. *Hypoxylon bovei var microspora*  
Miller  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.
216. *Hypoxylon fragariae* Ces.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.
217. *Hypoxylon papillatum* Ell. & Ev.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Jalpaiguri.

218. **Hypoxylon rutilum** Tul.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.
219. **Nummularia suborbicularis** (Welw. & Currey) Sacc.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Kolkata.
220. **Xylaria brasiliensis** (Theiss.) Lloyd.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
221. **Xylaria dealbata** Berk. & Curt.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
222. **Xylaria digitatae** (L.) Cuv.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
223. **Xylaria englossa** Fr.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
224. **Xylaria filiformis** (Alb. Escho) Fr.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
225. **Xylaria graminicola** Gerald.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
226. **Xylaria grammica** (Mont.) Fr.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
227. **Xylaria mellisii** (Berk.) Ckoi  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
228. **Xylaria regalis** Ckei.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
229. **Xylaria tabacina** (Kick.) Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
230. **Xylaria ustorum** (Pat.) Dennis  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
231. **Xylaria apiculata** Cke.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
232. **Xylaria hypoxylan** (L.) Grev.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
233. **Xylaria fulvella**  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : North 24 Pgs. and South 24 Pgs.
234. **Xylaria multiplex** (Kunz.). Dennis.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : North 24 Pgs. and South 24 Pgs.
235. **Xylaria nigripes** (Kl.) Sacc.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.

236. *Xylaria polymorpha* (Pers.) Grev.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
237. *Xylaria pyramidata* Berk. & Br.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
238. *Xylaria tricolor*  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
- Family DIAPORTHACEAE
239. *Apiospora montagnei* Sacc.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Moist soil/decomposed litters/  
leaves.  
*Distribution* : Darjiling.
240. *Ceratosphaeria ervatamiicola*  
Kar & Maity  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Murshidabad.
241. *Diaporthe taxicola* Sacc. & Syd.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
- Family EUROTACEAE
242. *Arachriotus indicus* var *major*  
Chattop.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Moist soil/decomposed litters/  
leaves.  
*Distribution* : Hugli.
243. *Eidamella actoni* Datta  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Kolkata.
244. *Eurotium herbariorum* Link  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Birbhum, Bardhaman,  
Kolkata, Medinipur and Nadia.
245. *Eurotium repens* de Bary  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : North 24 Pgs., South 24 Pgs.,  
Birbhum, Kolkata, Medinipur and Nadia.
246. *Penicillium chrysogenum* Thom.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.
247. *Penicillium cyaneum* (Bain & Sart.)  
Biourage  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Kolkata.
248. *Penicillium decumbens* Thom.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Kolkata, Haora and Hugli.
249. *Penicillium digitatum* Sacc.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Kolkata, Haora and Hugli.
250. *Penicillium frequentans* Thom.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.
251. *Penicillium notatum* Westling.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.
252. *Penicillium oxalicum*  
Currie & Thom.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.



*Distribution* : Kolkata.

253. ***Penicillium pinophilum*** Hedgcock.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata.

254. ***Penicillium rubrum*** Stoll.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata.

255. ***Penicillium simplicissimum***

(Oudem.) Thom.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata.

256. ***Penicillium luteum*** Zukal

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata, Haora and Hugli.

257. ***Penicillium nigricans*** (Bain). Thom

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata, Haora and Hugli.

258. ***Penicillium ochrochoron*** Bionrge

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata, Haora and Hugli.

259. ***Penicillium spiculosporum*** Thom.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata, Haora and Hugli.

260. ***Penicillium stipitatum*** Thom.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata, Haora and Hugli.

261. ***Penicillium tenellum*** Cke

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata, Haora and Hugli.

262. ***Penicillium variabile*** Scopp

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata, Haora and Hugli.

263. ***Penicillium wartmanii*** Kloeck

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata, Haora and Hugli.

264. ***Thielavia angulata*** Das

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

265. ***Thielavia terricola*** (Grif. & Abbot.)

Emm.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : South 24 Pgs.

Family ARCYRIACEAE

266. ***Arcyria cinerea*** (Bull.) Pers.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Kolkata.

267. ***Arcyria denudata*** (L.) Wettst.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Kolkata.

268. ***Arcyria ferruginea*** Santer

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Kolkata.

269. ***Arcyria globosa*** Schw.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Darjiling.

270. ***Oligonema flavidum*** (Peck) Peck  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/Leaves.  
*Distribution* : Darjiling.
271. ***Perichaena quadrata*** Macbr.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.
- Family TRICHOLOMATACEAE
272. ***Armillaria dicupella*** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.
273. ***Armillaria duplicata*** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.
274. ***Armillaria horrens*** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Moist soil/decomposed litters/  
leaves.  
*Distribution* : Darjiling.
275. ***Armillaria mallea*** (Vahl.) Qual.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling (Kalimpong).
276. ***Armillaria multicolor*** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Moist soil/decomposed litters/  
leaves.  
*Distribution* : Darjiling.
277. ***Armillaria omnitenus*** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Moist soil/decomposed litters/  
leaves.  
*Distribution* : Darjiling.
278. ***Calocybe indica*** Park & Chand  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Soil.  
*Distribution* : Kolkata.
279. ***Clitocybe incongrua*** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Soil.  
*Distribution* : Darjiling and Jalpaiguri.
280. ***Clitocybe pumila*** Mass.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Soil.  
*Distribution* : Kolkata.
281. ***Collybia albuminosa*** (Berk.) Petch  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Kolkata.
282. ***Collybia ambusta*** Fr.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Kolkata.
283. ***Collybia blandula*** Berk  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Soil.  
*Distribution* : Darjiling and Jalpaiguri.
284. ***Collybia camptoproda*** Berk  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Soil.  
*Distribution* : Darjiling and Jalpaiguri.
285. ***Collybia lutea*** Mass.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Kolkata.
286. ***Collybia mimica*** W. G. Smith  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Kolkata.
287. ***Collybia napipes*** Hook.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Darjiling.

288. **Collybia papaveracea** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Darjiling.

289. **Collybia raphanipes** Berk  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Darjiling and Jalpaiguri.

290. **Collybia rhodella** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Darjiling.

291. **Collybia stillaticia** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Darjiling.

292. **Collybia undabunda** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Darjiling.

293. **Collybia ustipes** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Darjiling.

294. **Collybia velutipes** (Curt.) Fr.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Darjiling.

295. **Marasmius erythropus** Fr.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling

296. **Marasmius campanella** Holt.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Kolkata.

297. **Marasmius haematocephalius**  
 (Mont.) Fr.  
*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata.

298. **Mycena bicrenata** Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

299. **Mycena broomiana** Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

300. **Mycena myriadea** Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

301. **Mycena rubiaetincta** Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

302. **Mycena rufata** Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

303. **Mycena rufopicta** Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

304. **Mycena russulina** Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

305. **Nothopanus hygropanus** (Mont.)

Singer : Peg.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Haora.

306. **Omphalia fuliginosa** Mass.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata.

307. *Omphalia oedipus* Mass.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata.

308. *Omphalotus clerious* (Dc : Fr.) Singer

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : North 24 Pgs. and South 24 Pgs.

309. *Tricholoma cremoriceps* Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

310. *Tricholoma giganteum* Mass.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

311. *Tricholoma lobayense* Heim

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

Family SPHAEROPSIDACEAE

312. *Aschersonia coffeae* P. Henn.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Darjiling.

313. *Ascochyta rhej*

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Darjiling.

314. *Diplodia cacaoicola* P. Henn.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On leaves.

*Distribution* : Kolkata, Maldah, Medinipur and Nadia.

315. *Diplodia calecutriana* Tassi

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On leaves.

*Distribution* : Kolkata.

316. *Diplodia embryoperidis* Cke

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On leaves.

*Distribution* : Birbhum, Barddhaman, Haora and Maldah.

317. *Discosia tenzingii* Tilak

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On leaves.

*Distribution* : Darjiling.

318. *Lasmeniella globulifera* (Rabenh.)

Petrak & Syd

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Kolkata.

319. *Macrophomina phaseolina*

(Maubl.) Ashby

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Birbhum.

320. *Phoma canscorae* Rabenth.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

321. *Phoma casuasinae* Tassi

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

322. *Phoma pipsis bette* Maity & Khatna

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Nadia.

323. *Phoma desmonchi* Rabenth

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata and Haora.

324. *Phoma oryzae* Cke & Mass

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata and Haora.

325. ***Phoma putaminum*** Speg.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata and Haora.

326. ***Phyllosticta bucklandii*** Shrr.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

327. ***Septoria cestri*** (Mont.) Sacc.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

328. ***Septoria rosae*** Desm.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

329. ***Septoria tabacina*** Died

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

330. ***Urohendersonia indica*** Syd.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

Family ASCOBOLACEAE

331. ***Ascobolus carbonianus*** Karst.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Darjiling.

332. ***Ascobolus lignatilis*** A. & S. Cow

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Darjiling.

333. ***Ascophanus striatus*** Thind,  
Cash & Singh

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Darjiling.

334. ***Pyronema omphalodes*** (Bull.) Fuck.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

335. ***Thecotheus pelletieri*** (Cr. & Cr.)  
Boud.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

Family HELOTIACEAE

336. ***Ascocoryne javanica*** (Penz. & Sacc.)  
Thind & Singh

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Moist soil/decomposed litters/leaves.

*Distribution* : Darjiling.

337. ***Bulgaria chalybea*** (Berk.)  
Ck. & Mass.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Leaves.

*Distribution* : Darjiling.

338. ***Bulgaria inquinaus*** (Pers.: Hook.) Fr.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Leaves.

*Distribution* : Darjiling.

339. ***Chlorosplenium aerugineum***  
(Berk.) Sacc.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Leaves.

*Distribution* : Darjiling.

340. ***Hymenoscyphus subcomplicatum*** Thind & Singh

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

341. ***Hymenoscyphus subcortinus***  
(P. Henn. & Nym) Dennis

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

342. ***Hymenoscyphus crocatus*** (Mont)  
Thind & Singh

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

343. ***Hymenoscyphus javanicus***  
(P. Henn) & Dennis

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

344. ***Hymenoscyphus miniatus*** (Pat.)  
Dennis

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

345. ***Hymenoscyphus subcortinus***  
(P. Henn. & Nymm) Dennis

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

346. ***Lanzia luteovirescens***  
(Robem. & Desm.) Dumont. & Korf.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

347. ***Lanzia rufocornea*** (Berk. & Br.)  
Dumont

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

348. ***Lanzia velutinosa*** Tewari & Singh

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

Family DIATRYPACEAE

349. ***Astrocystis capparidis*** Kar. & Maity

*Life form* : Mycelial colourless thallophytes.

*Habitat* : Leaves.

*Distribution* : South 24 Pgs.

350. ***Cochliobolus heterotrophous***  
Drechs.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : soil.

*Distribution* : Maldah.

351. ***Diatrype disciformis*** (Hoffm.) Fr.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Nadia.

352. ***Diatrypella citricola*** Ell. & Ev.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : South 24 Pgs.

353. ***Diatrypella quercina*** (Pees.) Nits

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Murshidabad.

354. ***Eutypa ludibunda*** Sacc.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On leaves.

*Distribution* : North 24 Pgs. and South 24 Pgs.

355. ***Eutypa murrayae*** Kar & Maity

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On leaves.

*Distribution* : North 24 Pgs. and South 24 Pgs.

356. ***Eutypella citricola*** Speg.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On leaves.

*Distribution* : North 24 Pgs. and South 24 Pgs.

357. ***Eutypella erythrinae*** Kar & Maity

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On leaves.

*Distribution* : Nadia.

358. *Eutypella nabagramensis*

Kar &amp; Maity

*Life form* : Mycelial colourless thallophytes.*Habitat* : On leaves.*Distribution* : Murshidabad.359. *Eutypella russodes* (Lassch.) Nits*Life form* : Mycelial colourless thallophytes.*Habitat* : On leaves.*Distribution* : Bardhaman.360. *Gelasinospora* sp.*Life form* : Mycelial colourless thallophytes.*Habitat* : On decayed bark.*Distribution* : Darjiling.361. *Metasphaeria boehmeriae*

(Rabenth.) Sacc.

*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil/leaves.*Distribution* : Kolkata.362. *Penizigia orientalis* Rawla & Narula*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil/leaves.*Distribution* : Darjiling.

Family AURICULARIACEAE

363. *Auricularia auriculajude* (L.)

Schroet

*Life form* : Mycelial colourless thallophytes.*Habitat* : Moist soil/decomposed litters/  
leaves.*Distribution* : Kolkata and Darjiling.364. *Auricularia fuscosuccinea* (Mont.)

Farl.

*Life form* : Mycelial colourless thallophytes.*Habitat* : Moist soil/decomposed litters/  
leaves.*Distribution* : Kolkata.365. *Auricularia tenuis* ((Lev.) Farl.*Life form* : Mycelial colourless thallophytes.*Habitat* : Moist soil/decomposed litters/  
leaves.*Distribution* : Kolkata.366. *Hirneola delicata* (Fr.) Bros.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil/leaves.*Distribution* : Darjiling.367. *Laschia intestinalis**Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.368. *Laschia lamellose**Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.369. *Laschia subvelutinosa**Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.

Family PHYSARACEAE

370. *Badhania capsulifera* (Bull.) Berk.*Life form* : Mycelial colourless thallophytes.*Habitat* : Moist soil/decomposed litters/  
leaves.*Distribution* : Darjiling.371. *Craterium concinnum* Rex.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.372. *Craterium leucocephalum* (Pers.)

Ditm.

*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.373. *Craterium minutum* (Leers.) Fr.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.374. *Craterium rubronodum* G. List.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata.

375. ***Physarum contextum*** (Pers.) Pers.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
376. ***Physarum durjoylingam*** Lister  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
377. ***Physarum echinosporum*** Lister.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
378. ***Physarum leucopus*** Link.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
379. ***Physarum melleum*** (Berk & Br.)  
 Mass.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
380. ***Physarum nutans*** Pers.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
381. ***Physarum sessilis*** Brand.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
382. ***Physarum spinulosum*** Thind &  
 Sehgal  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
383. ***Physarum sulphureum*** Alb. & Schw.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
384. ***Physarum superbum*** Hage.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
385. ***Physarum variegatum***  
 Thind & Oh.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
- Family DERMATEACEAE
386. ***Belanopsis bambusae***  
 Thind & Singh  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Moist soil/decomposed litters/  
 leaves.  
*Distribution* : Darjiling.
387. ***Mollisia subglobosa*** Rodw.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.
388. ***Pezicula rubi*** (Lib.) Niessl.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
- Family ENTOMOPHTHORACEAE
389. ***Blastocystis hominis*** Brompt.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Kolkata.
- Family BOLETACEAE
390. ***Boletus delphinus*** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Darjiling.
391. ***Boletus ustalis*** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Darjiling.



392. **Mollisia subglobosa** Rodw.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.
393. **Pezicula rubi** (Lib.) Niessl.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
- Family TREMELLACEAE
394. **Calocera viscosa** (Pers.) Fr.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Haora.
395. **Cunthospora diospyri** Wint  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Kolkata.
396. **Dacryomitra glossoides** (Pers.)  
 Bref.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
397. **Tremella protensa** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
398. **Tremella fusiformis** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
399. **Tremellodon gelatinosum** (Scop.)  
 Pers.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
- Family CHAETOMIACEAE
400. **Chaetomium brasiliense**  
 Batista & Pontual  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Kolkata.
401. **Chaetomium chartarum** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Kolkata.
402. **Chaetomium nigricolor** Ames.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : North 24 Pgs. and South 24 Pgs.
- Family PHYLLACHORACEAE
403. **Chaetosphaeria indica** Niessl.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Kolkata.
404. **Chaetosphaeria pulviusula** (Clint.)  
 Booth.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : North 24 Pgs. and South 24 Pgs.
405. **Gnomonia appendiculata**  
 Kar & Maity  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On decayed bark.  
*Distribution* : Darjiling.
406. **Kretzchmaria clavus** (Fr.) Sacc.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.
407. **Kretzchmaria microspora** P. Henn.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Jalpaiguri.
408. **Trabutia ficum** Sacc. & Ronm.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Leaves.  
*Distribution* : Kolkata.

## Family CHOANEPHORACEAE

409. *Chaonephora circinens*

(Nayan &amp; Howak) Hessel

*Life form* : Mycelial colourless thallophytes.*Habitat* : Leaves.*Distribution* : Kolkata.410. *Choanephora cucurbitarum*

(Berk. &amp; Rav.) Thaxt

*Life form* : Mycelial colourless thallophytes.*Habitat* : Leaves.*Distribution* : Nadia.411. *Choanephora infundibulifera*

(Currey) Cunn.

*Life form* : Mycelial colourless thallophytes.*Habitat* : Leaves.*Distribution* : Kolkata.412. *Choanephora simpsoni* Cunn*Life form* : Mycelial colourless thallophytes.*Habitat* : Leaves.*Distribution* : Kolkata.

## Family SCLEROTINIACEAE

413. *Ciboriopsis brunii* Kar & Pal*Life form* : Mycelial colourless thallophytes.*Habitat* : Leaves.*Distribution* : Darjiling.414. *Rustroemia symingtoniae*

Thind &amp; Singh

*Life form* : Mycelial colourless thallophytes.*Habitat* : Leaves.*Distribution* : Darjiling.415. *Spathularia flavida* Main*Life form* : Mycelial colourless thallophytes.*Habitat* : Leaves.*Distribution* : Darjiling.

## Family CLATHURACEAE

416. *Clathrus delicatus* Berk. & Br.*Life form* : Mycelial colourless thallophytes.*Habitat* : Leaves.*Distribution* : Kolkata.417. *Clathrus pusillus* Berk.*Life form* : Mycelial colourless thallophytes.*Habitat* : Leaves.*Distribution* : Kolkata.

## Family CLAVARIACEAE

418. *Clavaria anguilospora* Pat.*Life form* : Mycelial colourless thallophytes.*Habitat* : Leaves.*Distribution* : Kolkata.419. *Clavaria asterella* Atk.*Life form* : Mycelial colourless thallophytes.*Habitat* : Leaves.*Distribution* : Haora.420. *Clavaria incarnata* Weinn.*Life form* : Mycelial colourless thallophytes.*Habitat* : Leaves.*Distribution* : Darjiling.421. *Clavaria lacticolor* Berk. & Curt.*Life form* : Mycelial colourless thallophytes.*Habitat* : Leaves.*Distribution* : Kolkata.422. *Clavaria pulchra* Peck*Life form* : Mycelial colourless thallophytes.*Habitat* : Leaves.*Distribution* : Darjiling.423. *Clamlina limosa* Thind E Sharda*Life form* : Mycelial colourless thallophytes.*Habitat* : Leaves.*Distribution* : Darjiling.424. *Clamlina ornatapes* (Peck) Corner*Life form* : Mycelial colourless thallophytes.*Habitat* : Leaves.*Distribution* : Darjiling.425. *Clavulinopsis minuta* (Berk.)

Conol.

*Life form* : Mycelial colourless thallophytes.*Habitat* : Leaves.*Distribution* : Darjiling.

426. *Deflexula subsimplex* (P. Henn.)  
Corner  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.  
Family PLEOSPORACEAE
427. *Coccoidea quercicola* P. Henn &  
Shirai  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : soil.  
*Distribution* : Darjiling.
428. *Sporomiella longisporosis*  
Ahmed & Cair  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Soil.  
*Distribution* : Darjiling.  
Family COLEOSPORACEAE
429. *Coleosporium bletiae* Diet  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : Soil.  
*Distribution* : Darjiling.
430. *Coleosporium xanthoxyli* Diet.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : soil.  
*Distribution* : Darjiling.  
Family MELANCONIACEAE
431. *Colletotrichum anonicola* Speg.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Medinipur.
432. *Colletotrichum capsici* (syd.)  
Butl. & Bisby  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Birbhum, Barddhaman and Medinipur.
433. *Colletotrichum clerodendri* Died.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Maldah.
434. *Colletotrichum corchorum*  
Ikata & Tanaka  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Birbhum, Kolkata, Medinipur and Nadia.
435. *Colletotrichum hibisci* Poll.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Kolkata.
436. *Colletotrichum curcumae*  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Hugli.
437. *Colletotrichum jatrophae* (Speg.)  
Butl. & Bisby  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Kolkata.
438. *Colletotrichum longa* Peck  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Murshidabad.
439. *Colletotrichum punctiforme*  
(Niesl.) Butl. & Bisby  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Kolkata.
440. *Cryptosporium calami* Niessl.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
441. *Cylindrosporium leucosceptri*  
Keissler  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
442. *Ellisiella caudata* (Peck) Sacc.  
*Life form* : Mycelial colourless thallophytes.

*Habitat* : On leaves.

*Distribution* : Birbhum and Kolkata.

443. ***Gloeosporium kurzianum*** Niessl.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed bark.

*Distribution* : Kolkata.

444. ***Pestalotia acaciae*** De Not

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata.

445. ***Pestalotia calophylli*** P. Henn.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata.

446. ***Pestalotia macospera*** Kleb.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

447. ***Pestalotia theae*** Swada

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On leaves.

*Distribution* : Darjiling.

448. ***Pestalotiopsis ventricosa***

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On leaves.

*Distribution* : Kolkata.

Family CLAVICIPITACEAE

449. ***Cordyceps capitata*** (Hol. : Fr.) Link

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

450. ***Cordyceps ophioglossoides***

(Ehren. : Fr.) Link

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

451. ***Cordyceps sphecocephala*** (Kl.) Sacc.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

Family TRICHIACEAE

452. ***Cornuvia serpula*** (Wigand) Rostaf.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

453. ***Hemitrichia karstenii***

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata.

454. ***Tricharia opculata*** Bruhal & Sen

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

Family CORTICIACEAE

455. ***Corticium sasakii*** (Shirai)

Matsumoto

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Haora.

456. ***Craterellm comucopioides***

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Birbhum, Barddhaman, Kolkata and Nadia.

457. ***Merulius lignosus*** Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

458. ***Merulius similis*** Berk & Br.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Hugli.

459. ***Metasphaeria boehmeriae***

(Rabenth.) Sacc.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata.

460. *Pellicularia koleroga* Cke*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil/leaves.*Distribution* : Kolkata.

Family CRIBARIACEAE

461. *Cribaria vulgaris* Schrad.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.

Family GEOGLOSSACEAE

462. *Corynetes atropurpurascens*

(Bats : Fr) Dur.

*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.463. *Cudonia lutea* (Peck) Sacc.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.464. *Cyanthus camelliae**Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.465. *Geoglossum affine* (Durr.)

Sacc. &amp; Trav.

*Life form* : Mycelial colourless thallophytes.*Habitat* : On decayed bark.*Distribution* : Darjiling.466. *Geoglossum fallax* Durr.*Life form* : Mycelial colourless thallophytes.*Habitat* : On decayed bark.*Distribution* : Darjiling.467. *Geoglossum sphagnophilum*

Ehrenb. &amp; Schw. : Fr.

*Life form* : Mycelial colourless thallophytes.*Habitat* : On decayed bark.*Distribution* : Darjiling.

Family NIDULARIACEAE

468. *Cyathus limbatus* Tul.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata.469. *Cyanthus striatus* (Willd.) Pers.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata.470. *Cyathus intermedius* (mont.)Tul.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata.

Family DACRYMYCETACEAE

471. *Dacryopinax spathularia* (Schw.)

Martin

*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Hugli.

Family POLYPORACEAE

472. *Daedalea bosei* Lloyd*Life form* : Mycelial colourless thallophytes.*Habitat* : On decayed wood.*Distribution* : Kolkata, Haora and Medinipur.473. *Daedalea emodensis* Berk.*Life form* : Mycelial colourless thallophytes.*Habitat* : On decayed wood.*Distribution* : Darjiling.474. *Daedalea quercina* (L.) Pers.*Life form* : Mycelial colourless thallophytes.*Habitat* : On decayed wood.*Distribution* : Kolkata.475. *Daedalea stereoides* Fr.*Life form* : Mycelial colourless thallophytes.*Habitat* : On decayed wood.*Distribution* : Darjiling.476. *Daedalea subsulcata* Berk. & Br.*Life form* : Mycelial colourless thallophytes.

- Habitat* : On decayed wood.  
*Distribution* : Darjiling.
477. ***Favolus brasiliensis*** Fr.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On leaves.  
*Distribution* : Kolkata.
478. ***Fomes adamantinus*** (Berk.) Sacc.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
479. ***Fomes albomarginatus*** (Lev.) Cke.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Jalpaiguri.
480. ***Fomes durissimus*** Lloyd.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
481. ***Fomes durus*** (Jungh.) Cunn.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
482. ***Fomes fastuosus*** Lev.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
483. ***Fomes fomentarius*** (L.) Fr.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
484. ***Fomes hypoplastus*** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
485. ***Fomes igniarius*** (L.) Fr.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
486. ***Fomes lamaenris*** (Muer.) Sacc.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
487. ***Fomes leucophaeus*** (Mont.) Pat  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
488. ***Fomes ligmosus*** (Kr.) Bros.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
489. ***Fomes merrillii*** (Murrill) Sacc.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
490. ***Fomes mimosus*** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
491. ***Fomes pachyphloeus*** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
492. ***Fomes pectinatus*** Kl.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
493. ***Fomes pinicola*** Fr.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Darjiling.
494. ***Fomes senex*** Nees & Mont.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
495. ***Fomitopsis ochroleuca*** (Berk.)  
Cunn.  
*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

496. ***Grammothele cineracea*** Bres.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed bark.

*Distribution* : Kolkata.

497. ***Grammothele effuso-reflexa***  
Banerjee

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed bark.

*Distribution* : Kolkata

498. ***Hexagonia kurzii*** Curry

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Jalpaiguri.

499. ***Hexagonia pulchella*** Lov.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata.

500. ***Irpex maximus*** (Brot.) Fr.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata.

501. ***Lentinus blepharodes*** Berk

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Kolkata.

502. ***Lentius cornatus*** Berk

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Haora.

503. ***Lentinus decaisneanus*** Lev.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Haora.

504. ***Lentinus hepaticus*** Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Kolkata.

505. ***Lentinus hookerianus*** Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Darjiling.

506. ***Lentinus subdulcis*** Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Darjiling.

507. ***Lentinus subnudus*** Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Kolkata and Darjiling.

508. ***Lentinus velutinus*** Fr.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Kolkata.

509. ***Lenzites eximia*** Berk. & Curt.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Darjiling.

510. ***Lenzites imbricata*** Fr.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Darjiling.

511. ***Lenzites malaccensis*** Sacc. & Cub.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Darjiling.

512. ***Lenzites repanda*** (Mont.) Fr.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Kolkata.

513. ***Lenzites tricolor*** (Bull.) Fr.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Darjiling.

514. ***Lenzites unicolor*** (Fr.) Cunn.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Darjiling.

515. ***Lloydella bicolor*** (Pers.)

Hohn. & Lit.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Darjiling.

516. ***Pleurotus verrucarius*** Berk

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata.

517. ***Polyporus agariceus*** Berk

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Darjiling.

518. ***Polyporus anthelminticus*** Berk

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata.

519. ***Polyporus bicipes*** Fr.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata, Haora, Hugli and Darjiling.

520. ***Polyporus bosci*** Bres

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata.

521. ***Polyporus brumalis*** (Perr.) Fr.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata.

522. ***Polyporus calcuttaensis*** Bose

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata.

523. ***Polyporus dictyopus*** Berk

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata.

524. ***Polyporus digitalis*** Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Darjiling.

525. ***Polyporus dissitus*** Berk. & Br.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata.

526. ***Polyporus fumosa olivaceous***

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata.

527. ***Polyporus fumosus***

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata.

528. ***Polyporus gilvus*** Schw

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata.

529. ***Polyporus guhae*** Bose

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata.

530. ***Polyporus hookeri*** Lloyd

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata.

531. ***Polyporus intybaceus*** Fr.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata.

532. ***Polyporus luzonensis*** Mur.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata.



533. ***Polyporus personatus*** Berk. & Br.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On decayed woods.  
*Distribution* : Kolkata, Haora, Hugli and Darjiling.
534. ***Polyporus platyporus*** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On decayed woods.  
*Distribution* : Kolkata, Haora, Hugli and Darjiling.
535. ***Polyporus radiatus*** Sow.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On decayed woods.  
*Distribution* : Kolkata, Haora, Hugli and Darjiling.
536. ***Polyporus rhodophaeus*** Lev.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On decayed woods.  
*Distribution* : North 24 Pgs. and South 24 Pgs.
537. ***Polyporus rigidus*** Lev.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On decayed woods.  
*Distribution* : Kolkata, Haora, Hugli and Darjiling.
538. ***Polyporus rubidus*** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On decayed woods.  
*Distribution* : Kolkata, Haora, Hugli and Darjiling.
539. ***Polyporus rufescens*** Fr.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On decayed woods.  
*Distribution* : Kolkata, Haora, Hugli and Darjiling.
540. ***Polyporus semilaccatus*** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On decayed woods.  
*Distribution* : Kolkata, Haora, Hugli and Darjiling.
541. ***Polyporus semiplicatus*** Peck  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On decayed woods.  
*Distribution* : Kolkata, Haora, Hugli and Darjiling.
542. ***Polyporus squamosus*** (Huds.) Fr.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On decayed woods.  
*Distribution* : Kolkata, Haora, Hugli and Darjiling.
543. ***Polyporus sanguineus*** Kl.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On decayed woods.  
*Distribution* : North 24 Pgs. and South 24 Pgs.
544. ***Polyporus shoreae*** Wakef.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On decayed woods.  
*Distribution* : North 24 Pgs., South 24 Pgs., Bardhaman, Medinipur and Nadia.
545. ***Polyporus tabulaeformis*** Berk  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On decayed woods.  
*Distribution* : Kolkata, Haora, Hugli and Darjiling.
546. ***Polyporus thawaitesii*** Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On decayed woods.  
*Distribution* : Kolkata, Haora, Hugli and Darjiling.
547. ***Polyporus tricholoma*** Mont.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On decayed woods.  
*Distribution* : Kolkata, Haora, Hugli and Darjiling.
548. ***Polyporus violaceo cinerascens***  
Petch  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On decayed woods.

*Distribution* : Kolkata, Haora, Hugli and Darjiling.

549. ***Polyporus zonalis*** Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : North 24 Pgs., South 24 Pgs., Darjiling, Haora and Hugli.

550. ***Polystictus affinis*** Nees

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : North 24 Pgs., South 24 Pgs., Barddhaman, Kolkata, Haora, Hugli and Medinipur.

551. ***Polystictus asper*** Jungh

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata.

552. ***Polystictus caperatus*** Perk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata, Haora, Hugli, Darjiling and Jalpaiguri.

553. ***Polystictus cichoriaceus*** Berk

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata, Haora, Hugli, Darjiling and Jalpaiguri.

554. ***Polystictus cinnabarinus*** (Jacq.)  
Mont.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata, Haora, Hugli, Darjiling and Jalpaiguri.

555. ***Polystictus elongatus*** Berk

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata, Haora, Hugli, Darjiling and Jalpaiguri.

556. ***Polystictus fibula*** Fr.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata, Haora, Hugli, Darjiling and Jalpaiguri.

557. ***Polystictus flabelliformes*** Kl.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata, Haora, Hugli, Darjiling and Jalpaiguri.

558. ***Polystictus gallopavorus***  
Berk & Br.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata, Haora, Hugli, Darjiling and Jalpaiguri.

559. ***Polystictus grammocephalus***  
Berk

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata, Haora, Hugli, Darjiling and Jalpaiguri.

560. ***Polystictus hutchingri*** Lloyd.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata, Haora, Hugli, Darjiling and Jalpaiguri.

561. ***Polystictus leoninus*** Kl.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata, Haora, Hugli, Darjiling and Jalpaiguri.

562. ***Polystictus lichnoides*** Mont.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Darjiling.

563. ***Polystictus menzissi*** Berk

*Distribution* : Kolkata, Haora, Hugli, Darjiling and Jalpaiguri.

564. ***Polystictus nilgheriensis*** Mont.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata, Haora, Hugli, Darjiling and Jalpaiguri.

565. ***Polystictus occidentalis*** Kl.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata, Haora, Hugli, Darjiling and Jalpaiguri.

566. ***Polystictus ozonioides*** Berk

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata, Haora, Hugli, Darjiling and Jalpaiguri.

567. ***Polystictus personatus*** Berk. & Br.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata, Haora, Hugli, Darjiling and Jalpaiguri.

568. ***Polystictus persoonii*** Fr.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata, Haora, Hugli, Darjiling and Jalpaiguri.

569. ***Polystictus proteus*** Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata, Haora, Hugli, Darjiling and Jalpaiguri.

570. ***Polystictus sanguineus*** L. Fr.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata, Haora, Hugli, Darjiling and Jalpaiguri.

571. ***Polystictus sarbadhi*** Kari Bose

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata, Haora, Hugli, Darjiling and Jalpaiguri.

572. ***Polystictus steinheilionus***

Berk & Lev.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata, Haora, Hugli, Darjiling and Jalpaiguri.

573. ***Polystictus velutinus*** Fr.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata, Haora, Hugli, Darjiling and Jalpaiguri.

574. ***Polystictus tabacinum*** Mont.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed woods.

*Distribution* : Kolkata and Darjiling.

575. ***Polystictus xanthopus*** Fr.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata, Haora, Hugli, Darjiling and Jalpaiguri.

576. ***Trametes cincia*** Bose

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

577. ***Trametes cingulata*** Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

578. ***Trametes colliculosa*** Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata and Darjiling.

579. ***Trametes crenulata*** Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata and Darjiling.

580. ***Trametes floccose*** Bres.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

581. ***Trametes hololeuca*** (Kal.) Lloyd.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata and Darjiling.

582. *Trametes hookeri* Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

583. *Trametes kari* Bose

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata and Darjiling.

584. *Trametes lactinea* Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata and Darjiling.

585. *Trametes meyeri* Kl.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata and Darjiling.

586. *Trametes muelleri* Berk

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata and Darjiling.

587. *Trametes picta* Berk & Br.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata and Darjiling.

588. *Trametes serpens* Fr.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata and Darjiling.

589. *Trametes versatilis* Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

590. *Truncospora ochroleuca* (Berk.)

Pilot

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

Family HYALOSCYPHACEAE

591. *Dasyscyphus fuscescens*

(Pers. : Fr.) Rehm.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Darjiling.

592. *Dasyscyphus nudipes* var. *minor*

Dennis

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Darjiling.

593. *Dasyscyphus oblongus allipticus*

Kar. & Pal

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Darjiling.

594. *Dasyscyphus papyraceus* (Karst.)

Sacc.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Darjiling.

595. *Dasyscyphus varians* Rehm.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Darjiling.

Family DIDYMIACEAE

596. *Diderma chondrioderma*

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

597. *Diderma Darjilingense*

Thind & Sehgal

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

598. *Didymium clavus* (Alb. & Schw.)

Rab:

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

599. ***Didymium discoideum*** Thind & Sehgal

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

600. ***Didymium nigripes*** (Link) Fr.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata and Darjiling.

601. ***Didymium ochroideum*** G. List

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

Family ONYGENACEAE

602. ***Elaphomyces Darjilingensis***

Thind & Sharma

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On leaves.

*Distribution* : Darjiling.

Family ENTOLOMATACEAE

603. ***Entoloma cystopodum*** Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On leaves.

*Distribution* : Darjiling.

604. ***Entoloma goliath*** Hook.f.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On leaves.

*Distribution* : Darjiling.

605. ***Nolaena nana*** mass.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata.

606. ***Rhodocybe subgilva***

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

Family OLPIDIOCEAE

607. ***Entophlyctis lobata*** Will. & Town.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On leaves.

*Distribution* : Dinajpur.

Family USTILAGINACEAE

608. ***Entyloma crastophilum*** Sacc.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On leaves.

*Distribution* : Bardhaman, Kolkata and Nadia.

609. ***Ustilago maydis*** (DC) Corda

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

610. ***Ustilago rebenhorstiana*** Kuen

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata and Haora.

611. ***Ustilago repalensis*** Liro

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

Family ERYSIPTACEAE

612. ***Erysiphae cichoracearum*** DC

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On leaves.

*Distribution* : Nadia.

Family EXOBASIDIACEAE

613. ***Exobasidium indicum*** Syd. & Butl.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On leaves.

*Distribution* : Darjiling.

614. ***Exobasidium pieridis*** P. Henn.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On leaves.

*Distribution* : Darjiling.

615. *Exobasidium vexans* Mass.*Life form* : Mycelial colourless thallophytes.*Habitat* : On leaves.*Distribution* : Darjiling.

Family FISTULINACEAE

616. *Fistulina hepatica* Fr.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.

Family TUBERCULARIACEAE

617. *Fusarium acuminatum* Ell. & Ev.*Life form* : Mycelial colourless thallophytes.*Habitat* : On leaves/soil.*Distribution* : North 24 Pgs., South 24 Pgs., Birbhum, Kolkata, Haora, Hugli, Jalpaiguri, Maldah, Murshidabad, Nadia and Puruliya.618. *Fusarium avenaceum* (Fr.) Sacc*Life form* : Mycelial colourless thallophytes.*Habitat* : On leaves/soil.*Distribution* : North 24 Pgs., South 24 Pgs. and Darjiling.619. *Fusarium moniliforme* Sheld.*Life form* : Mycelial colourless thallophytes.*Habitat* : On leaves/soil.*Distribution* : North 24 Pgs., South 24 Pgs., Birbhum, Kolkata, Darjiling, Medinipur, Murshidabad and Puruliya.620. *Fusarium oxysporum* Schlecht*Life form* : Mycelial colourless thallophytes.*Habitat* : On leaves/soil.*Distribution* : North 24 Pgs., South 24 Pgs., Barddhaman, Koch Bihar, Darjiling, Haora, Jalpaiguri, Maldah, Medinipur and Murshidabad.621. *Fusarium semitectum* Berk.*Life form* : Mycelial colourless thallophytes.*Habitat* : On leaves/soil.*Distribution* : Birbhum, Kolkata, Haora and Nadia.622. *Fusarium solani* (Mart.) App. & Woll.*Life form* : Mycelial colourless thallophytes.*Habitat* : On leaves/soil.*Distribution* : North 24 Pgs., South 24 Pgs., Barddhaman, Kolkata, Hugli, Maldah and Nadia.

Family CORTINARIACEAE

623. *Galera burkilli* Mass*Life form* : Mycelial colourless thallophytes.*Habitat* : On decayed bark.*Distribution* : Darjiling.624. *Galera tenera* (Schaeft) Fr.*Life form* : Mycelial colourless thallophytes.*Habitat* : On decayed bark.*Distribution* : Darjiling.625. *Galera zyelanica* Petch*Life form* : Mycelial colourless thallophytes.*Habitat* : On decayed bark.*Distribution* : Haora.

Family GANODERMATACEAE

626. *Ganoderma annulare* Llod*Life form* : Mycelial colourless thallophytes.*Habitat* : On decayed bark.*Distribution* : Darjiling.627. *Ganoderma applanatum* (Pers.) Pet.*Life form* : Mycelial colourless thallophytes.*Habitat* : On decayed bark.*Distribution* : North 24 Pgs., South 24 Pgs., Birbhum, Barddhaman, Kolkata, Haora, Hugli and Malda.628. *Ganoderma clossus* (Fr.) Bres.*Life form* : Mycelial colourless thallophytes.*Habitat* : On decayed bark.*Distribution* : Kolkata.629. *Ganoderma lucidum* (Leyss.) Karst.*Life form* : Mycelial colourless thallophytes.*Habitat* : On decayed bark.*Distribution* : North 24 Pgs., South 24 Pgs., Birbhum, Kolkata, Hugli and Nadia.

630. *Gelasinospora retispora* Cain  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On decayed bark.  
*Distribution* : Darjiling.  
 Family TILLETIACEAE
631. *Graphiola borrassi* Syd. & Butl.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On decayed bark.  
*Distribution* : Birbhum.
632. *Sphacelotheca dinebrae* Mund K.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Jalpaiguri.  
 Family DACYMETACEAE
633. *Guepinia ramosa* Currey  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On decayed bark.  
*Distribution* : Kolkata.  
 Family HELVELLACEAE
634. *Helvella elastica* Bull. : St. Amans  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.
635. *Helvella ephippium* Lev.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.  
 Family HYDNACEAE
636. *Hydnum coralloides* Scop  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.
637. *Hydnum gilvum* Berk  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.
638. *Hydnum undum* Fr.  
*Life form* : Mycelial colourless thallophytes.
- Habitat* : On soil/leaves.  
*Distribution* : Kolkata.
639. *Hymenochaete aspera* Berk. & Curt.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Kolkata.
640. *Hymenochaete nigricans* (Lev.) Pat.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Kolkata.  
 Family STROPHARIACEAE
641. *Flammula dilepis* Berk. & Br.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil.  
*Distribution* : Kolkata.
642. *Flammula macrophala* (Berk.) Sacc.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.
643. *Hypholoma artichum* Berk  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.
644. *Hypholoma castanophyllum* Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.
645. *Hypholoma condensum* Berk.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.
646. *Hypholoma fasciculare* (Huds.) Fr.  
*Life form* : Mycelial colourless thallophytes.  
*Habitat* : On soil/leaves.  
*Distribution* : Darjiling.

647. *Hypholoma hemisodes* Berk.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil/leaves.*Distribution* : Darjiling.648. *Hypholoma sublateritium*

(Schaeff.) Fr.

*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil/leaves.*Distribution* : Darjiling.649. *Hypholoma velutinum* (Pers.) Fr.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil/leaves.*Distribution* : Darjiling.

Family HYPOCREACEAE

650. *Hypocrella javanica* (Penzing & Sacc.) Petch.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil/leaves.*Distribution* : Darjiling.651. *Hypocrella semiamplexa* (Berk.) Sacc.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil/leaves.*Distribution* : Darjiling.

Family LABOULBENIACEAE

652. *Laboulbenia pherosophi* Thaxt.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata.

Family LACHNOCLADIACEAE

653. *Lachnocladium brasiliensis* Lav.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata.654. *Lachnocladium ornatipes* (Peck) Burt*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata.

Family SCLEROTINIACEAE

655. *Lambertella bonachawensis* Dumont*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.656. *Lambertella cryptomeriae* Thind & Singh*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.657. *Lamprospora lobata* (Berk. & Curt) Seaver.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.

Family STEMONITACEAE

658. *Lamproderma scintillanus* (Berk. & Br.) Morgan*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.

Family THELEPHORACEAE

659. *Limacella guttata* (Pers. : Fr.) Konr.*Life form* : Mycelial colourless thallophytes.*Habitat* : On decayed wood.*Distribution* : Kolkata.

Family HYPODERMATACEAE

660. *Lophoderminum pini-excelsae* Ahmad*Life form* : Mycelial colourless thallophytes.*Habitat* : On decayed wood.*Distribution* : Darjiling.

Family LYCOPERDONACEAE

661. *Lycoperdon hyemale* (Bull. : Fr.) Vitt.*Life form* : Mycelial colourless thallophytes.*Habitat* : On decayed wood.*Distribution* : Darjiling.



662. *Lycoperdon microspermum* Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Darjiling.

663. *Lycoperdon perlatum* Pers.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Darjiling.

664. *Lycoperdon sericellum* Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Darjiling.

665. *Lycoperdon xanthospermum* Berk

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On decayed wood.

*Distribution* : Darjiling.

Family PLEOSPRACEAE

666. *Massarina capparicola*

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Puruliya.

Family MELAMSPORACEAE

667. *Melampsorium inerme* Singh &

Pande

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

668. *Melampsora eucalypti* Rabenh.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata.

Family HYMENOGASTERACEAE

669. *Melanogaster trappei* Thind

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

Family MYCELIASTERILIA

670. *Melanogramma senchalii*

Kar & Maity

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

671. *Rhizoctonia solani* Koehn.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Bardhaman, Kolkata and Darjiling.

672. *Sclerotiella megalospora* Woronin

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

Family MELIOLACEAE

673. *Irenopsis crotonis* (Stev. & Tehon)

Stev.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Jalpaiguri.

674. *Irenopsis tenuissima* Kar & Maity

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Jalpaiguri.

675. *Meliola bucklandiae* Kar & Maity

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

676. *Meliola capensis* (K. & C.) Theiss.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : North 24 Pgs. and South 24 Pgs.

677. *Meliola eugeniae jambolioides*

Kar & Maity

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Jalpaiguri.

678. *Meliola glycosmidis* Kapoor

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata.

679. *Meliola jasmincola* P. Henn.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata.

680. *Meliola motatanensis* Hansf.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Jalpaiguri.

681. *Meliola palmicola* Wint.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata.

682. *Meliola tawoensis* Hansf.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Haora.

683. *Meliola torricelliae* Kar & Maity

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Jalpaiguri.

684. *Meliola tabernaemontanicola*

Hansf. & Thiru.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : North 24 Pgs. and South 24 Pgs.

Family MYCOSPHAERELLACEAE

685. *Mycosphaerella malinverniana*

(Catt.) Miyake.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Murshidabad.

686. *Sphaerella bhauria* Cke

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

687. *Sphaerella rosigneae* Ell. & Ev.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

Family MYRIANGIACEAE

688. *Myriangium duriaei* Mont. & Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

Family NECTRIACEAE

689. *Nectria flavo-lanata* Berk. & Br.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

690. *Nectria jungneri* P. Henn.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

691. *Nectria mammoidea* Phil. & Plour.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

692. *Nectria musae* Pat.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : North 24 Pgs. and South 24 Pgs.

693. *Nectria ochroleuca* (Schw.) Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

694. *Nectria quisquiliaris* Cke.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

695. *Nectria viridescens* Booth.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : North 24 Pgs. and South 24 Pgs.

Family OLPIDIACEAE

696. *Olpidiopsis pythiae* (But.) Karling

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata.

697. *Rozellopsis inflata* (Butler) Karling

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

Family ORBILIACEAE

698. *Orbrlia obscura* Ghosh

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : North 24 Pgs. and South 24 Pgs.

Family MICROTHYRIACEAE

699. *Palawania grandis* (Niessl.) Syd.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata.

700. *Parasterina pemphiclioides* (Cke.)  
Theiss

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Kolkata.

701. *Vizella conferta* (Ckr.) Sacc.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Dinajpur.

Family PAXILLACEAE

702. *Paxillus chrysites* Berk

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

703. *Paxillus pinguis* Hook. F.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

704. *Paxillus sulphureus* Berk

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil/leaves.

*Distribution* : Darjiling.

Family PEZIZACEAE

705. *Peziza aurantia* Pers.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

706. *Peziza cerea* Swirby : Mitra

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

707. *Peziza lividula* Phil.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : North 24 Pgs. and South 24 Pgs.

708. *Peziza multiguttulata* Kar & Pal

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

709. *Peziza repanda* Pers

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

Family POLYSTIGMATACEAE

710. *Phyllochora bauhiniae* (Wint.)

Theiss

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata.

711. *Phyllachora leea-elatae*

Kar & Maity

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Jalpaiguri.

712. ***Phyllochora quercæ*** (Kar & Gupta)*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata.713. ***Phyllochorella michelioe*** Syd.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.714. ***Phyllosticta glomorum*** Ell. &  
Tracy*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata.715. ***Phyllosticta indicii*** Shre*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata.716. ***Phyllosticta pirina*** sacc.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata.717. ***Phyllosticta sterculiae*** Trav*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.

Family CRIPTOCOCCACEAE

718. ***Pityrosporium ovale*** Bizz.*Life form* : Mycelial colourless thallophytes.*Habitat* : On decayed woods.*Distribution* : Kolkata.

Family PLEUSPORACEAE

719. ***Preussia aurantiaca*** Rai & Tewari*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata.720. ***Preussia dispersa*** (clum) Cain.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata.721. ***Preussia multispora*** (Saito & Min.)  
Coir*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : South 24 Pgs.722. ***Pterula inayati*** Syd.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.

Family PYTHIACEAE

723. ***Pythium cucurbitarum*** Takimoto*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Nadia.

Family ENDOMYCETACEAE

724. ***Rhinosporidium seeberi*** (Liermicke)  
Seeber*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata.

Family RHIZIDIACEAE

725. ***Rhizidium verrucosum*** Karling*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.

Family HELVELLACEAE

726. ***Rhizina zonata*** Berk.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.

Family HYSTERIACEAE

727. ***Rhytidhysterium rufilum*** (Spreng.)  
Speg.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.

## Family RUSSULACEAE

728. *Russula emetica* Fr.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.729. *Russula grossa* Berk.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.

## Family SCLERODERMATACEAE

730. *Scleroderma nitidum* Berk.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.

## Family PERONOSPORACEAE

731. *Sclerophthora macro-spora*

Thireum. &amp; Narasitim

*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Birbhum.

## Family STEMMITACEAE

732. *Stemonitis flavogenitia* John*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.733. *Stemonitis oxifera* (Bull.) Macbr.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.734. *Stemonites smithii**Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.

## Family STERACEAE

735. *Stereum bicolor* (Pers:Fr.) Fr.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata and Darjiling.736. *Stereum crenatum* Hav.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata and Darjiling.737. *Stereum ferreum**Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata.738. *Stereum fuscum* (Schrad.) Quel*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata and Darjiling.739. *Stereum glabrescens* Berk & Curt*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata and Darjiling.740. *Stereum hirsutum* (W.) Fr.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata and Darjiling.741. *Stereum limbrinum* Berk. & Curt*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata and Darjiling.742. *Stereum nitidulum* Berk.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata and Darjiling.743. *Stereum papyrinum* Mont.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata and Darjiling.744. *Stereum percome**Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata.745. *Stereum petaloides* Berk*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata and Darjiling.

746. ***Stereum purpureum*** Pers.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata and Darjiling.

747. ***Stereum schomburghii*** Berk

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata and Darjiling.

748. ***Stereum scytale*** Berk

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Kolkata and Darjiling.

Family OSTROPACEAE

749. ***Stictis bengalensis***

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

750. ***Synchytrium macrosporum***

Karling

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

751. ***Synchytrium sisymbriifolium*** Cke.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

752. ***Synchytrium solani*** Mass.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

Family RHYTISMATACEAE

753. ***Tryblidiopsis arendholzii*** Sharma

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

Family OTIDEACEAE

754. ***Wynnea gigantea*** Berk. Curt

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

755. ***Wynnea intermedia*** Waraitch.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

756. ***Wynnea macrotis*** (Berk.) Berk.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

Family VALSARIACEAE

757. ***Valsaria cryptomeriae***

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

758. ***Valsaria reticulata*** Kar & Maity

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Medinipur.

759. ***Xenosporium indicum*** Panwar

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

Family USTULINACEAE

760. ***Ustulina zonata*** (Lev.) Sacc.

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

Family DOTHIDIACEAE

761. ***Xylophaeria maltlandi*** Dennis

*Life form* : Mycelial colourless thallophytes.

*Habitat* : On soil.

*Distribution* : Darjiling.

## Family TRICHOSPHAERIACEAE

762. *Zignoella prorumpens* (Rehm.)  
Sacc.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : North 24 Pgs. and South 24 Pgs.

## Family ASTERIDIELLOCEAE

763. *Asteridiella maliosmae* Kar & Maity*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Jalpaiguri.764. *Asteridiella ochiana* Kar & Maity*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Jalpaiguri.765. *Asteridiella pentapterygi*  
Kar & Maity*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling.766. *Asterinia claviflori* Kar & Maity*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling and Jalpaiguri.767. *Asterinia delicatula* Syd.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling and Jalpaiguri.768. *Asterinia jambolanae* Kar & Maity*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling and Jalpaiguri.769. *Asterinia myrsines* Kar & Maity*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling and Jalpaiguri.770. *Asterinia natsiata* Kar & Maity*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling and Jalpaiguri.771. *Asterinia zanthoxyli* Yamaro*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Darjiling and Jalpaiguri.

## Family CANTHARELLACEAE

772. *Craterellus comucopioides* (L.) Fr.*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata.773. *Physoderma corchori* Ling*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Nadia.

## Family CHYTRIDIACEAE

774. *Rhizophlyctis fuscis* Karling*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Nadia.

## Family BERONOSPORACEAE

775. *Sclerospora andropogonis* Gorghii*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Barddhaman.

## Family LASIOSPHAERIACEAE

776. *Sordaria bosensis* Das*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata.777. *Sordaria papillosa* Bayes*Life form* : Mycelial colourless thallophytes.*Habitat* : On soil.*Distribution* : Kolkata.

## LICHEN

Kingdom PLANT KINGDOM

Sub kingdom CRYPTOGAMA

Division THALLOPHYTA

Class LICHENS

Family ARTHONIACEAE

1. ***Arthonia antillarum*** (Fee) Nyl.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs., Kolkata, Haora (Botanical Garden) and Medinipur (Haldia).

2. ***Arthonia caribaea*** (Ach.) Massal.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs.

3. ***Arthonia cytisi*** Massal.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs.

4. ***Arthonia impolitella*** Nyl.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs. and Haora (Botanical Garden).

5. ***Arthonia platygraphidea*** Nyl.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs.

6. ***Arthonia quintaria*** Nyl.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs.

7. ***Arthonia radiata*** (Pers.) Ach.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs., South 24 Pgs., Kolkata and Darjiling.

8. ***Arthonia subgyrosa*** Nyl.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs. and Haora (Botanical Garden).

9. ***Arthonia subvelata*** Nyl.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs. and Darjiling (Oodlabari).

10. ***Arthonia tumidula*** (Ach.) Ach.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs., Kolkata, Haora (Botanical Garden) and Hugli.

11. ***Arthothelium abnorme*** (Ach.)

Mull.Arg

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs., South 24 Pgs. and Haora (Botanical Garden).

12. ***Arthothelium anastomosans*** (Ach.)

Arn.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Oodlabari).

13. ***Arthothelium chiodectoides*** (Nyl.)

Zahlbr.

*Life form* : Crustose.

*Distribution* : Haora (Botanical Garden).

14. ***Arthothelium confertum***

(A.L.Smith) Makh.& Patw.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Chunabati).

15. ***Arthothelium distentum*** (Vainio)

Zahlbr.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs. and Kolkata.



16. **Arthothelium macrothecium** (Fee)  
Mull. Arg  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : North 24 Pgs.
17. **Arthothelium subcyrtodes** (Ulilley)  
Hasse.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : North 24 Pgs.
18. **Cryptothecia** sp.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Rangit river valley).
19. **Cryptothecia candida** (Krempelh.)  
R. Sant.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Rangit River valley).
20. **Cryptothecia effusa** (Müll.Arg.)  
R. Sant.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Mumsong).
21. **Cryptothecia subnidulans**  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Rangit river valley).
22. **Cryptothecia subtectata** Stirton  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kalimpong-Mumsong road).
- Family ARTHOPYRENIACEAE
23. **Arthopyrenia alboatra** (Kremelh.)  
Müll.Arg.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Haora (Botanical Garden) Puruliya, South 24 Pgs. (Sunderban) and Kolkata.
24. **Arthopyrenia planorbella** (Nyl.)  
Zahlbr.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Haora, Puruliya, North 24 Pgs. and South 24 Pgs.
- Family TRYPETHELIACEAE
25. **Laurera madreporiformis** (Eschw.)  
Riddle  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : North 24 Pgs., South 24 Pgs. and Darjiling (Chunabhati).
26. **Pyrenula leucotrypa** (Nyl.) Upreti  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Haora (Botanical Garden).
27. **Pyrenula suliindica** Upreti  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : North 24 Pgs., South 24 Pgs., Darjiling (Oodlabari) and Haora (Botanical Garden).
28. **Trypethelium assimile** Stirton  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : North 24 Pgs., South 24 Pgs., Darjiling (Oodlabari), Haora (Botanical Garden) and Medinipur.
29. **Trypethelium catervarium** (Fee)  
Tuck.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : North 24 Pgs., South 24 Pgs., Haora (Botanical Garden) and Medinipur.
30. **Trypethelium eluteriae** Sprengel  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : North 24 Pgs., South 24 Pgs., Haora (Botanical Garden) and Medinipur.

31. *Trypethelium luteum* Taylor*Life form* : Crustose.*Habitat* : Corticolous.*Distribution* : North 24 Pgs., South 24 Pgs., Haora (Botanical Garden) and Medinipur.32. *Trypethelium tropicum* (Ach.)

Mull. Arg.

*Life form* : Crustose.*Habitat* : Corticolous.*Distribution* : North 24 Pgs., South 24 Pgs., Haora (Botanical Garden) and Medinipur (Haldia).

Family ARTHPYRENIACEAE

33. *Anthrocothecium libricolum**Life form* : Crustose.*Habitat* : Corticolous.*Distribution* : Haora (Botanical Garden).

Family BUELLIACEAE

34. *Buella aggreddians* (Stirton) Zahlbr.*Life form* : Crustose.*Habitat* : Corticolous.*Distribution* : South 24 Pgs., Kolkata, Darjiling and Haora (Botanical Garden).35. *Buella disciformis* (Fr.) Mudd.*Life form* : Crustose.*Distribution* : South 24 Pgs. (Sunderban, Birdti) and Haora (Botanical Garden).36. *Buella inornata* Nyl.*Life form* : Crustose.*Habitat* : Corticolous.*Distribution* : Darjiling (Oodlabar).37. *Diplotomma alboatrior* (Nyl.)

Szat.ex Awasthi.

*Life form* : Crustose.*Habitat* : Corticolous.*Distribution* : Darjiling (Chunabadi).38. *Diplotomma lauricassiae* (Fée) Scat.*Life form* : Crustose.*Distribution* : North 24 Pgs., South 24 Pgs. and Haora (Botanical Garden).39. *Rinodina colobina* (Ach.) Th. Fr.*Life form* : Crustose.*Habitat* : Corticolous.*Distribution* : North 24 Pgs., South 24 Pgs., Kolkata and Puruliya.40. *Rinodina conradi* Korb.v. *megaspora*

(Awasthi &amp; Agarwal) Awasthi

*Life form* : Crustose.*Habitat* : Lignicolous.*Distribution* : Darjiling (Kurseong).41. *Rinodina intrusa* (Krempelh. in Nyl.)

Malme

*Life form* : Crustose.*Habitat* : Corticolous.*Distribution* : South 24 Pgs. (Sunderban) and Puruliya.42. *Rinodina sophodes* (Ach.) Massal.*Life form* : Crustose.*Habitat* : Corticolous on Mango Tree.*Distribution* : Darjiling.

Family CONIOCYLIACEAE

43. *Chaenotheca brunneola* (Ach.)

Mull.Arg.

*Life form* : Crustose.*Habitat* : Corticolous.*Distribution* : Darjiling (Kurseong).

Family LETROUITIACEAE

44. *Letrouitia leprolyta* (Nyl.) Haf.*Life form* : Crustose.*Habitat* : Corticolous.*Distribution* : South 24 Pgs. (Sunderban) and Haora (Botanical Garden).45. *Letrouitia domingensis* (Pers.)

Haf.&amp; Bellem.

*Life form* : Crustose.*Habitat* : Corticolous.*Distribution* : Darjiling (Oodalbari).

Family OPEGRAPHACEAE

46. *Chiodecton intermissum**Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs.

47. ***Chiodecton punctalatum***

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs.

48. ***Enterodictyon indicum*** Mull. Arg.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Oodalbari).

49. ***Enterodictyon oblongellum***

Mull. Arg.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs. and South 24 Pgs.

Family GRAPHIDIACEAE

50. ***Gyphis duriuscula*** Stirton

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs.

51. ***Gyphis cicatriosa*** Ach.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs., Kolkata and Haora (Botanical Garden).

Family OPEGRAPHACEAE

52. ***Lecanactis premnea*** (Ach.) Arnold

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs., Kolkata, Haora (Botanical Garden) and Medinipur (Haldia).

53. ***Lecanactis salicina***

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs.

Family GRAPHIDIACEAE

54. ***Sarcographa labyrinthica*** (Ach.)

Mull. Arg.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs. (Sunderban).

55. ***Sarcographa tricola*** (Ach.)

Müll. Arg.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs.

56. ***Schismatomma abietinum*** (Ehrh.)

Massal.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs.

57. ***Schismatomma glaucoides*** (Nyl.)

Zahlbr.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs., Kolkata and Haora (Botanical Garden).

58. ***Schismatomma kurzii***

(Krempelh. in nyl.) Zahlbr.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs. and Haora (Botanical Garden).

Family CLADONIACEAE

59. ***Cladonia chlorophaea***

(Flörke in Sommerf.) Sprengel

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Kalimpong-Munsong road).

60. ***Cladonia furcata v. pinnata*** (Huds.)

Schrader

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Kurseong).

Family COLLEMATACEAE

61. ***Collema pulcellum*** Ach.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs. (Sunderban), Kolkata and Haora.

62. ***Collema nigrescens*** (Huds.) DC.

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Oodalbari, Sukna).

63. ***Collema subfurvum***

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Kurseong).

64. ***Collema subnigrescens*** Degel.

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Rangit river valley).

65. ***Leptogium azureum*** (Swartz) Mont.

*Life form* : Foliose.

*Habitat* : Terricolous.

*Distribution* : Darjiling (Mahanadi).

66. ***Leptogium cyanescens*** (Rabenh.)  
Körb.

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Mahanadi, Kurseong, Oodlabari, Sukna).

67. ***Leptogium javanicum*** Mont.

*Life form* : Foliose.

*Habitat* : Corticolous or saxicolous.

*Distribution* : Darjiling (Kurseong).

68. ***Leptogium moluccanum*** (Pers.)  
Vainio

*Life form* : Foliose.

*Habitat* : Corticolous or terricolous.

*Distribution* : Darjiling (Oodalbari, Sukna).

69. ***Leptogium trichophorum*** Müll. Arg.

*Life form* : Foliose.

*Habitat*: Supra-saxa.

*Distribution* : Darjiling (Mahanadi, Kurseong).

Family CYPHELIACEAE

70. ***Tylophoron moderatum*** Nyl.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Sukna, Rangit river valley).

71. ***Tylophoron pulchellum***

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Kurseong, Rangit river valley).

Family THELOTREMATACEAE

72. ***Diploschistes bryophilus***

*Life form*: Crustose.

*Habitat* : Terricolous.

*Distribution* : Darjiling (Mahanadi).

73. ***Diploschistes scruposus*** (Schreb.)  
Norman

*Life form* : Crustose.

*Habitat*: Saxicolous.

*Distribution* : Darjiling (Mahanadi).

Family GRAPHIDACEAE

74. ***Graphina adscibens***

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs.

75. ***Graphina aeola*** (Stirton) Zahlbr.

*Life form* : Crustose.

*Habitat*: Saxicolous.

*Distribution* : Darjiling (Mahananda).

76. ***Graphina canaliculata*** (Fee)  
Müll. Arg.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Rangit river valley).

77. ***Graphina gracilis*** (Fr.) Müll. Arg.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Oodlabari).

78. ***Graphina leucocarpoides*** (Nyl.) Zahlbr.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs.
79. ***Graphina leuconephala*** (Nyl.) Zahlbr.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs. and Haora (Botanical Garden).
80. ***Graphina obtecta*** (Nyl.) Mull. Arg.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs. (Sunderban), Darjiling (Oodlabari, Sukna) and Haora (Botanical Garden).
81. ***Graphina perstriatula*** (Nyl.) Zahlbr.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs.
82. ***Graphina platycarpa*** (Eschw.) Zahlbr.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Oodlabari).
83. ***Graphina spilota*** (Stirton) Zahlbr.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Oodlabari).
84. ***Graphina tuberculosa*** (Stirton) Zahlbr.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Sukna).
85. ***Graphis capillacea*** Stirton  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs.
86. ***Graphis ceylanica*** Zahlbr.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs.
87. ***Graphis duplicata*** Ach.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kurseong).
88. ***Graphis elegans*** (Borrer ex Sm.) Ach.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling.
89. ***Graphis illinata*** Eschw. In Martius  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Rangit river valley).
90. ***Graphis implexula*** Stirton  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Chunabati).
91. ***Graphis inetrmediella*** Stirton  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs.
92. ***Graphis lineola*** Ach.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Sukna).
93. ***Graphis longiramea*** Müll.Arg.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Lebong).
94. ***Graphis scripta*** (L.) Ach.  
*Life form* : Crustose.  
*Habitat* : Corticolous on Mango tree.  
*Distribution* : South 24 Pgs. (Sunderban), Darjiling (Oodlabari, Kalimpong -Monsong Rd.), Haora (Botanical Garden) and Medinipur (Haldia).

95. ***Graphis verminosa*** Müll.Arg.  
*Life form* : Corticose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Tindharia, Lebong).
96. ***Melaspilia insitiva*** Stirton  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs.
97. ***Melaspilia octomera*** Müll.Arg.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs.
- Family OPEGRAPHACEAE
98. ***Opegrapha bonplandii*** Fée  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs.
99. ***Opegrapha herpetica*** Ach.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs, Darjiling (Rangit river valley).
100. ***Opegrapha laeta*** Stirton  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs. (Sunderban).
101. ***Opegrapha leptoterodes*** Nyl.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs.
102. ***Opegrapha martii*** Krempelh. in Nyl.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs. (Sunderban), Kolkata and Haora (Botanical Garden).
103. ***Opegrapha stirtonii*** Zahlbr.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs. (Sunderban).
104. ***Opegrapha subsulcata*** Mull. Arg.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs. and Darjiling (Rangit river valley).
105. ***Opegrapha vividis*** (Pers. in Ach.) Nyl.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs.
- Family GRAPHIDIACEAE
106. ***Phaeographina caesiopruinosa*** (Fée) Müll.Arg.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Oodlabari).
107. ***Phaeographina cirrhata***  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs.
108. ***Phaeographina colligata***  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs.
109. ***Phaeographis divaricoides*** Räsänen  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Haora (Botanical Garden).
110. ***Phaeographina exertissima***  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs.
111. ***Phaeographina exserta***  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kurseong).
112. ***Phaeographina grisea***  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs. (Sunderban).

113. *Phaeographis insusta* (Ach.) Müll.Arg.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs.
114. *Phaeographis leprosulans* Müll.Arg.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs. (Sunderban), Haora (Sibpur) and Medinipur (Haldia).
115. *Phaeographis medusiformis* (Krempelh.) Müll.Arg.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs.
116. *Phaeographis megistocarpa* (Leighton) Müll.Arg.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kurseong).
117. *Phaeographina nepalensis* Awasthi & K. Singh  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs.
118. *Phaeographina pyrrochroa* (Mont. v.d. Bosch) Zahlbr.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs.
119. *Phaeographina scalpturata* (Ach.) Müll.Arg.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs.
120. *Phaeographis submarcescens* (Leighton) Zahlbr.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Oodlabari).
121. *Phaeographina wattiana* Müll.Arg.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs.  
Family OPEGRAPHACEAE
122. *Lecanactis* sp.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs. (Sunderban).  
Family  
HAEMATOMMATACEAE
123. *Haematomma leprarioides* (Vainio) Vainio  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kalimpong).
124. *Haematomma puniceum* (Sm.in Ach.) Massal.  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs. and Darjiling (Kalimpong-Munseong Road).
125. *Haematomma wattii* (Stirton) Zahlbr.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kurseong).  
Family BAEOMYCETACEAE
126. *Icmadophila coronata*  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs.
127. *Icmadophila ericatorum* (L.) Zahlbr.  
*Life form* : Crustose/ Fruticose (Stipitate).  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs.
128. *Lecania pertenera*  
*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs. (Sunderban).

129. ***Lecanora achroella*** Nyl.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs.

130. ***Lecanora allophana*** Nyl.

*Life form* : Foliose.

*Habitat* : Corticolous on mango tree.

*Distribution* : Darjiling (Oodalabari, Sukna).

131. ***Lecanora chlarona***

*Life form* : Crustose.

*Habitat* : Corticolous on mango tree.

*Distribution* : South 24 Pgs.

132. ***Lecanora distans***

*Life form* : Crustose.

*Habitat* : Corticolous on mango tree.

*Distribution* : South 24 Pgs. (Sunderban),  
Kolkata and Haora (Botanical Garden).

133. ***Lecanora leprosa*** Fée

*Life form* : Crustose.

*Habitat* : Corticolous on mango tree.

*Distribution* : South 24 Pgs.

134. ***Lecanora subfusca*** (L.) Ach.

*Life form* : Crustose.

*Habitat* : Corticolous on mango tree.

*Distribution* : South 24 Pgs. and Haora  
(Botanical Garden).

Family PERTUSARIACEAE

135. ***Ochrolechia pallescens*** (L.) Massal.

*Life form* : Foliose.

*Habitat* : Corticolous on mango tree.

*Distribution* : South 24 Pgs.

Family OPEGRAPHACEAE

136. ***Graphidastra byssiseda*** (Müll.Arg.)

Thor

*Life form* : Crustose.

*Habitat* : Corticolous on mango tree.

*Distribution* : Darjiling (Kurseong, Lebong).

Family BACIDIACEAE

137. ***Bacidia phacodes*** Körber

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Oodlabari).

138. ***Bacidia convexula*** (Müll.Arg.) Zahlbr.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs. (Sunderban)  
and Medinipur (Haldia).

139. ***Bacidia fuscorubella***

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs., South 24 Pgs.  
and Darjiling (Oodlabari, Munsong).

140. ***Bacidia luteola***

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Munsong).

141. ***Bacidia medialis*** (Tuck.in Nyl.) Zahlbr.

*Life form* : Crustose.

*Distribution* : South 24 Pgs. (Sunderban) and  
Haora (Botanical Garden).

142. ***Bacidia phaeolomoides*** (Müll.Arg.)  
Zahlbr.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Kalimpong-  
Munsong road).

143. ***Bacidia rubellovirens***

*Life form* : Foliose.

*Habitat*: Corticolous on Mango tree.

*Distribution* : North 24 Pgs. and South 24  
Pgs.

144. ***Bacidia subannexa*** (Nyl.) Zahlbr.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs. and South 24  
Pgs.



145. **Bacidia submedialis** (Nyl.) Zahlbr  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : North 24 Pgs., South 24 Pgs.  
 and Haora (Botanical Garden).

Family MYCOBILIMBLACEAE

146. **Mycobilimbia hunana** (Zahlbr.)  
 Awasthi

*Life form* : Foliose.  
*Habitat* : Terricolous.  
*Distribution* : Darjiling (Munsong).

Family CATILLARIACEAE

147. **Catillaria endochroma** Fée) Zahlbr.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : North 24 Pgs. and South 24  
 Pgs.

148. **Catillaria indica**

*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Medinipur (Haldia).

149. **Catillaria leptocheloides**  
 (Nyl. in Crombie) Zahlbr.

*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : North 24 Pgs. and South 24  
 Pgs.

150. **Catillaria leptochelia** (Tuck.) Riddle  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : North 24 Pgs., South 24 Pgs.  
 and Darjiling (Kalimpong- Munsong road).

151. **Catillaria terrena**

*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : North 24 Pgs. and South 24  
 Pgs.

152. **Lecidea caliginosa** Stirton  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : North 24 Pgs. and South 24  
 Pgs.

153. **Lecidea fuscorubida** Nyl.

*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs. (Sunderban).  
 154. **Lecidea granifera** (Ach.) Vainio  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : North 24 Pgs., South 24 Pgs.  
 and Darjiling (Rangit river valley).

Family PSORACEAE

155. **Protoblastenia russula** (Ach.)  
 Räsänen  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Munsong).  
 156. **Lecidea russula var. leprosa**  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : North 24 Pgs., South 24 Pgs.  
 and Medinipur (Haldia).

157. **Lopadium pezizoideum**

*Life form* : Foliose.  
*Habitat* : Supramuscos.  
*Distribution* : Darjiling (Kurseong).

Family MYCOBLESTACEAE

158. **Mycoblastus indicus**

awasthi & Agarwal  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kurseong).

Family PERTUSARIACEAE

159. **Pertusaria multipuncta** (Turn.) Nyl.  
*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs. and South 24 Pgs.

160. ***Pertusaria velata*** (Turn.) Nyl.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs. and South 24 Pgs.

Family OPEGRAPHACEAE

161. ***Chiodecton micrographum***

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs. (Sunderban), Kolkata and Haora (Botanical Garden).

162. ***Enterographa pallidella*** (Nyl.)

Redinger

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : Haora (Botanical Garden).

163. ***Opegrapha prosodea*** Ach.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Rangit river valley).

164. ***Opegrapha subvulgata*** Nyl.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs., South 24 Pgs. and Darjiling (Rangit river valley).

165. ***Opegrapha vulgata*** Ach.

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : Haora (Botanical Garden), South 24 pgs.

Family COCCOCARPIACEAE

166. ***Coccocarpia palmicola*** (Sprengel)

L. Arvidsson

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Oodlabari).

167. ***Coccocarpia erythroxyli*** (Sprengel)  
Swinscow & Krog

*Life form* : Foliose.

*Habitat* : Terricolous.

*Distribution* : Darjiling (Mahanadi, Sukna).

168. ***Coccocarpia cornia*** var.  
***isidiophylla***

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Chunabati).

169. ***Coccocarpia cornia*** var.  
***smaragdina***

*Life form* : Foliose.

*Habitat* : Saxicolous.

*Distribution* : Darjiling (Kurseong).

Family PARMELIACEAE

170. ***Hypotrachyna adducta*** (Nyl.) Hale

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Kalimpong-Munsong Road).

171. ***Hypotrachyna bostrychodes***  
(Zahlbr.)

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Kurseong).

172. ***Flavoparmelia caperata*** (L.) Hale

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : Medinipur (Haldia).

173. ***Everniastrum cirrhatum*** (Fr.) Hale

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Kursong).

174. ***Parmotrema cristiferum*** (Taylor)  
Hale

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Rangit river valley).

175. *Hypotrachyna flexilis* (Kurok.in Hara) Hale  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Munsong).
176. *Hypotrachyna osseoalba* (Vainio) Park.& Hale  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution*: Darjiling (Kurseong).
177. *Parmotrema hababianum* (Gyelnk.) Hale  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kurseong).
178. *Myelochroa irrugens* (Nyl.) Elix & Hale  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kurseong).
179. *Hypotrachyna infirma* (Kurok.in Hale & Kurok.) Hale  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kurseong, Munsong).
180. *Bulbothrix isidiza* (Nyl.) Hale  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kurseong, Oodlabari).
181. *Hypotrachyna koyaensis* (Asahina) Hale  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Mahanadi).
182. *Bulbothrix meizospora* (Nyl.) Hale  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Tindharia, Kurseong).
183. *Everniastrum nepalense* (Taylor) Hale  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kurseong).
184. *Parmotrema praesorediosum* (Nyl.) Hale  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Oodlabari).
185. *Parmotrema pseudonilgherrense* (Asahina) Hale  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Tindharia, Kurseong).
186. *Rimelia reticulata* (Taylor) Hale & Fletcher  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kurseong, Munsong).
187. *Parmelia subcrinita*  
*Life form* : Foliose.  
*Habitat* : Supra saxa.  
*Distribution* : Darjiling (Kurseong, Kalimpong).
188. *Parmotrema sanctae-angelii* (Lynge) Hale  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kalimpong-Munsong Road).
189. *Parmelia subaurulenta*  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kalimpong-Munsong Road).
190. *Parmelaria thomsonii* (Stirton) Awasthi  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Tindharia, Mahanadi).

191. ***Parmotrema tinctorum*** (Nyl.) Hale  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Oodlabari, Sukna, Munsong, Kurseong).
192. ***Everniastrum vexans*** (Zahlbr.) Hale  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kalimpong-Munsong Road).
193. ***Parmelinella wallichiana*** (Taylor) Elix & Hale  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Manhanadi, Lebong, Kurseong).
194. ***Myelochroa xantholepis*** (Mont. & v.d. Bosch) Elix & Hale  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kurseong).
- Family PELTIGERACEAE
195. ***Peltigera dolichorrhiza*** (Nyl.) Nyl.  
*Life form* : Foliose.  
*Habitat* : Terricolous.  
*Distribution* : Darjiling (Kurseong).
196. ***Peltigera polydactyla*** (Neck.) Hoffm.  
*Life form* : Foliose.  
*Habitat* : Terricolous.  
*Distribution* : Darjiling (Kurseong).
197. ***Peltigera polydactyla*** var ***pruinosa*** Gyeln  
*Life form* : Foliose.  
*Habitat* : Terricolous , muscicolous.  
*Distribution* : Darjiling (Mahanadi, Kurseong).
- Family PERTUSARIACEAE
198. ***Pertusaria pertusa*** (Weig.) Tuck.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Chunabati).
- Family PHYSCIACEAE
199. ***Heterodermia awasthii*** (Kurok.) Awasthi  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Munsong).
200. ***Heterodermia coronata*** (Kurok.) Awasthi  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kurseong).
201. ***Heterodermia diademata*** (Taylor) Awasthi  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Oodlabari, Mahanadi, Kurseong).
202. ***Heterodermia dissecta*** (Kurok.) Awasthi  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Tindharia).
203. ***Heterodermia firmula*** (Nyl.) Trevisan  
*Life form* : Foliose.  
*Habitat* : Saxicolous.  
*Distribution* : Darjiling (Kurseong).
204. ***Heterodermia flabellata*** (Fée) Awasthi  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kalimpong).
205. ***Heterodermia himalayensis*** (Awasthi) Awasthi  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Chunabati).

206. ***Heterodermia incana*** (Stirton) Awasthi  
*Life form* : Foliose.  
*Habitat* : Corticolous & Saxicolous.  
*Distribution* : Darjiling (Munsong, Kalimpong).
207. ***Anaptychia isidiophora*** (Vainio) Awasthi  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kurseong).
208. ***Heterodermia japonica*** (Sato) Swinsc. & Krog  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kurseong, Munsong).
209. ***Heterodermia leucomela*** (L.) Poelt  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kurseong).
210. ***Heterodermia obscurata*** (Nyl.) Trevisan  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kalimpong-Munsong Road).
211. ***Heterodermia pseudospeciosa*** (Kurok.) W. Culb.  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Rangit river valley).
212. ***Heterodermia punctifera*** (Kurok.) Awasthi  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Munsong).
213. ***Heterodermia rubescens*** (Räsänen) Awasthi  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kalimpong).
214. ***Heterodermia speciosa*** (Wulfen) Trevisan  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kurseong).
215. ***Dirinaria applanata*** (Fée) Awasthi  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Oodlabari).
216. ***Dirinaria applanata* var. *endochroma***  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Oodlabari).
217. ***Dirinaria confluens*** (Fr.) Awasthi  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs. (Sunderban) and Haora (Botanical Garden).
218. ***Dirinaria confluens* var. *coccinea***  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs. (Sunderban) and Haora (Botanical Garden).
219. ***Dirinaria consimilis*** (Stirton) Awasthi  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : North 24 Pgs., South 24 Pgs., Darjiling (Chunabati) and Haora (Botanical Garden).
220. ***Dirinaria picta*** (Swartz) Clem. & Shear  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Oodlabari).
221. ***Dirinaria aegialita*** (Afz.in Ach.) Moore  
*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs. (Sunderban) and Kolkata.

222. *Phaeophyscia endococcinia* (Körli.) Moberg

*Life form* : Foliose.

*Habitat* : Saxicolous.

*Distribution* : Darjiling (Mahanadi).

223. *Physcia obscura* (Ehrh.) Hame

*Life form* : Foliose.

*Habitat* : Saxicolous.

*Distribution* : North 24 Pgs. and South 24 Pgs.

224. *Pyxine cocoes* (Swartz) Nyl.

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs. (Sunderban), Kolkata, Darjiling (Sukna) and Haora (Botanical Garden).

225. *Pyxine meissnerina* Nyl.

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs., South 24 Pgs., Kolkata and Haora (Botanical Garden).

226. *Pyxine phillippina* Vainio

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Chunabati, Kurseong).

227. *Pyxine retirugella* var. *macrotheca*

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Chunabati, Mahanadi).

228. *Pyxine soredata* (Ach.) Mont. in Sagra

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Sukna, Manabari).

Family PYRENULACEAE

229. *Anthracothecium dimorphum* (Vainio) Zahlbr.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs. and South 24 Pgs.

230. *Anthracothecium fulvum* Müll. Arg

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs. and South 24 Pgs.

231. *Anthracothecium himalayense* (Räsänen) Awasthi

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Kurseong, Kalimpong).

232. *Anthracothecium manipureense* Müll.Arg

*Life form* : Foliose.

*Distribution* : Darjiling (Kurseong).

233. *Anthracothecium papilliferum* (Nyl.)Mull.Arg.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs. and South 24 Pgs.

234. *Anthracothecium parvinucleum* (G. Meyer & Flotow) Zahlbr.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs. and South 24 Pgs.

235. *Arthopyrenia analepta*

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs. and South 24 Pgs.

236. *Arthopyrenia biformis**Life form* : Foliose.*Habitat* : Corticolous.*Distribution* : North 24 Pgs. and South 24 Pgs.237. *Arthopyrenia cinefaciens* (Nyl.)  
Zahlbr.*Life form* : Foliose.*Habitat* : Corticolous.*Distribution* : South 24 Pgs. (Sunderban).238. *Arthopyrenia conformis* (Nyl.) Herr.*Life form* : Foliose.*Habitat* : Corticolous.*Distribution* : North 24 Pgs. and South 24 Pgs.239. *Arthopyrenia majuscula* (Nyl.)  
Zahlbr.*Life form* : Crustose.*Habitat* : Corticolous.*Distribution* : North 24 Pgs. and South 24 Pgs.

Family TRICHOTHELIACEAE

240. *Clathroporina anoptella* (Stirton)  
Zahlbr.*Life form* : Crustose.*Habitat* : Corticolous.*Distribution* : North 24 Pgs. and South 24 Pgs.

Family ARTHOPYRENIACEAE

241. *Microthelia conothelena* (Nyl.)  
D. Hawksw.*Life form* : Crustose.*Habitat* : Corticolous.*Distribution* : North 24 Pgs., South 24 Pgs., Darjiling (Oodlabari), Haora (Botanical Garden).242. *Microthelia dissepta* A. L. Smith*Life form* : Crustose.*Habitat* : Corticolous.*Distribution* : North 24 Pgs. and South 24 Pgs.243. *Microthelia micula* Körber*Life form* : Crustose.*Habitat* : Corticolous.*Distribution* : North 24 Pgs. and South 24 Pgs.244. *Mycomicrothelia nonensis* (Stirton)  
D. Hawksw.*Life form* : Crustose.*Habitat* : Corticolous.*Distribution* : North 24 Pgs. and South 24 Pgs.245. *Polyblastiopsis floridana* Fink*Life form* : Crustose.*Habitat* : Corticolous.*Distribution* : North 24 Pgs., South 24 Pgs. and Darjiling (Rangit river valley).

Family TRICHOTHELIACEAE

246. *Pronia internigrans* (Nyl.)  
Mull.Arg*Life form* : Crustose.*Habitat* : Corticolous.*Distribution* : North 24 Pgs. and South 24 Pgs.247. *Pronia interspersa* (Nyl.) Zahlbr.*Life form* : Crustose.*Habitat* : Corticolous.*Distribution* : North 24 Pgs. and South 24 Pgs.248. *Pronia interstes* (Nyl.) Harm.*Life form* : Crustose.*Habitat* : Corticolous.*Distribution* : Darjiling (Chunabhati).249. *Pronia luteopallens* (Nyl.) Zahlbr.*Life form* : Crustose.*Habitat* : Corticolous.*Distribution* : North 24 Pgs. and South 24 Pgs.

## Family PYRENULACEAE

250. *Pseudopyrenula pupula* (Ach.) Mull.  
Arg.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs., South 24 Pgs.  
and Darjiling (Kurseong).

251. *Pyrenula interducta* (Nyl.) Zahlbr.

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Mahanadi, Kurseong,  
Munsong).

252. *Pyrenula aspistea* (Abz.ex Ach.)  
Ach.

*Life form* : Crustose.

*Distribution* : North 24 Pgs. and South 24  
Pgs.

253. *Pyrenula herrei* Fink

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs. and South 24  
Pgs.

254. *Pyrenula mamillana* (Ach.)  
Trevisan

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs. and South 24  
Pgs.

255. *Pyrenula nitida* (Weig.) Ach.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs. (Sunderban),  
Haora (Botanical Garden) and Medinipur  
(Haldia).

256. *Pyrenula nitidella* (Flörke)  
Mull. Arg

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs. (Sunderban).

257. *Pyrenula nodulata* (Stirton)  
Zahlbr.

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Oodlabari).

258. *Pyrenula scutata* (Stirton) Zahlbr.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs., South 24 Pgs.  
and Darjiling (Oodlabari, Sukna, Rangit river  
valley).

259. *Pyrenula subducta* (Nyl.) Mull.Arg.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Munsong).

260. *Pyrenula subnitidella* (Nyl.)  
Mull.Arg.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs., South 24 Pgs.  
and Haora (Botanical Garden).

## Family STEREOCAULACEAE

261. *Stereocaulon foliolosum* (Nyl.)

*Life form* : Fruticose.

*Habitat* : Saxicolous.

*Distribution* : Darjiling (Kurseong).

262. *Stereocaulon massartianum* Hue

*Life form* : Fruticose.

*Habitat* : Saxicolous.

*Distribution* : Darjiling (Kurseong).

263. *Stereocaulon piluliferum* Th. Fr.

*Life form* : Fruticose.

*Habitat* : Saxicolous.

*Distribution* : Darjiling (Kurseong).

## Family LOBARIACEAE

264. *Labaria isidiosa* Müll.Arg.) Vainio

*Life form* : Foliose.

*Habitat* : Terricolous & Musicolous.

*Distribution* : Darjiling (Kurseong).



265. ***Sticta weigeli*** (Ach.) Vainio  
*Life form* : Foliose.  
*Habitat* : Supra-Saxa.  
*Distribution* : Darjiling (Kurseong).  
 Family STRIGULACEAE
266. ***Ponia mastoidea*** (ach.) Mull. Arg  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Haora (Botanical Garden).
267. ***Strigula elegans*** (Fée) Mull. Arg  
*Life form* : Crustose.  
*Habitat* : Folicolous.  
*Distribution* : North 24 Pgs. and South 24 Pgs.
268. ***Strigula subtilissima*** (Fée)  
 Mull. Arg  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : North 24 Pgs. and South 24 Pgs.  
 Family TELOSCHISTACEAE
269. ***Caloplaca aurantia*** (Pers.) Hellb.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Haora (Botanical Garden).
270. ***Caloplaca encephalarti***  
 (Krempelh. In Nyl.) Zahlbr.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : Haora (Botanical Garden).  
 Family GRAPHIDIACEAE
271. ***Gyrostomum syphiliferum***  
 (Ach.) Nyl.  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs., Haora (Botanical Garden) and Medinipur (Haldia).
272. ***Leptotrema bahianum***  
*Life form* : Foliose.  
*Habitat* : Saxicolous.  
*Distribution* : North 24 Pgs. and South 24 Pgs.
273. ***Leptotrema oxysporum***  
*Life form* : Foliose.  
*Habitat* : Saxicolous.  
*Distribution* : North 24 Pgs. and South 24 Pgs.
274. ***Leptotrema phaeosporum***  
*Life form* : Foliose.  
*Habitat* : Saxicolous.  
*Distribution* : North 24 Pgs. and South 24 Pgs.
275. ***Leptotrema ravenelii***  
*Life form* : Foliose.  
*Habitat* : Saxicolous.  
*Distribution* : North 24 Pgs. and South 24 Pgs.
276. ***Myriotrema wightii*** (Taylor) Hale  
*Life form* : Crustose.  
*Habitat* : Saxicolous.  
*Distribution* : North 24 Pgs. and South 24 Pgs.
277. ***Ocellularia amplior*** (Nyl.) Redinger  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : North 24 Pgs. and South 24 Pgs.
278. ***Ocellularia leptosporum***  
*Life form* : Crustose.  
*Habitat* : Corticolous.  
*Distribution* : North 24 Pgs. and South 24 Pgs.
279. ***Phaeotrema discissa***  
*Life form* : Crustose.  
*Habitat* : Saxicolous.  
*Distribution* : North 24 Pgs. and South 24 Pgs.
280. ***Thelotrema albidopallens*** Nyl.  
*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs. and South 24 Pgs.

281. ***Thelotrema dehiscens*** (Stirton)  
Zahlbr.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Sukna).

282. ***Thelotrema tetrasporum*** (Stirton)  
Awasthi

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs. and South 24 Pgs.

Family TRYPETHELICEAE

283. ***Laurera madreporiformis*** (Eschw.)  
Riddle

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs., South 24 Pgs. and Darjiling (Chunabhati).

284. ***Melanotheca aggregata*** (Fée)  
Mull. Arg.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs., South 24 Pgs. and Darjiling (Oodlabari).

285. ***Melanotheca indica*** Nyl.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs., South 24 Pgs., Darjiling (Oodlabari) and Haora (Botanical Garden).

286. ***Melanotheca leucotrypa*** Nyl.  
Mull. Arg

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs., South 24 Pgs. and Darjiling (Oodlabari).

287. ***Melanotheca subincruenta***

*Life form* : Foliose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs. and South 24 Pgs.

288. ***Tomsasellia cinchinarum***

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Kurseong).

289. ***Tomsasellia himalayensis***

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Kurseong, Kalimpong-Munsong Road, Lebong).

290. ***Trypethelium inamoenum***  
Mull. Arg.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs.

291. ***Trypethelium indutum*** Stirton

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : Darjiling (Oodlabari).

292. ***Trypethelium straminicolor***

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : North 24 Pgs., South 24 Pgs. and Haora (Botanical Garden).

293. ***Trypethelium virens*** Tuck.  
In Darlingt.

*Life form* : Crustose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs.

Family RAMALINACEAE

294. ***Ramalina calicaris***

*Life form* : Fruticose.

*Habitat* : Corticolous.

*Distribution* : South 24 Pgs. (Sunderban), Kolkata, Haora (Botanical Garden) and Medinipur (Haldia).

295. **Ramalina conduplicans** Vainio  
*Life form* : Fruticose.  
*Habitat* : Corticolous, temperate.  
*Distribution* : Darjiling and Jalpaiguri.
296. **Ramalina farinacea**  
*Life form* : Foliose.  
*Distribution* : North 24 Pgs., South 24 Pgs. and Darjiling.
297. **Ramalina gracilis** (Pers.) Nyl.  
*Life Form* : Fruticose.  
*Habitat* : corticolous.  
*Distribution* : Darjiling.
298. **Ramalina himalayensis** Räsänen  
*Life Form* : Fruticose.  
*Habitat* : Corticolous & saxicolous.  
*Distribution* : Darjiling hills.
299. **Ramalina angulosa**  
 Laur. In th. Fr.  
*Life form* : Fruticose.  
*Habitat* : Corticolous.  
*Distribution* : Kolkata.
300. **Ramalina leiodea** (Nyl.) Nyl.  
*Life Form* : Fruticose.  
*Habitat* : Corticolous.  
*Distribution* : South 24 Pgs. (Sunderban).
301. **Ramalina subcomplanata** (Nyl.)  
 Kashiwadani  
*Life form* : Fruticose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kurseong, Munsong).
- Family Usneaceae
302. **Usnea aciculifera** Vainio  
*Life Form* : Fruticose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling.
303. **Usnea baileyi** (Stirton) Zahlbr.  
*Life Form* : Fruticose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling
304. **Usnea bismolliuscula** Zahlbr.  
*Life Form* : Fruticose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling.
305. **Usnea cineraria** Mot.  
*Life Form* : Fruticose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling.
306. **Usnea cornea**  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Kurseong).
307. **Usnea dendritica** Stirton  
*Life Form* : Fruticose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling.
308. **Usnea diademensis**  
*Life form* : Foliose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Munsong).
309. **Usnea eumitrioides** Mot.  
*Life form* : Fruticose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling (Munsong).
310. **Usnea fragilis** Stirton  
*Life Form* : Fruticose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling.
311. **Usnea himalayana** Bab.  
*Life Form* : Fruticose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling.
312. **Usnea longissima** Ach.  
*Life Form* : Fruticose.  
*Habitat* : Corticolous.  
*Distribution* : Darjiling.

313. *Usnea montis fuji* Mot*Life Form* : Fruticose.*Habitat* : Corticolous.*Distribution* : Darjiling.314. *Usnea pangiana* Stirton*Life Form* : Fruticose.*Habitat* : Corticolous.*Distribution* : Darjiling.315. *Usnea pseudosinensis*

Asahina in Hara

*Life Form* : Fruticose.*Habitat* : Corticolous.*Distribution* : Darjiling.316. *Usnea robusta* Stirton*Life Form* : Fruticose.*Habitat* : Corticolous.*Distribution* : Darjiling.317. *Usnea rubicunda* Stirton*Life form* : Fruticose.*Habitat* : Corticolous.*Distribution* : Darjiling (Rangit river valley).318. *Usnea sordida* Mot.*Life Form* : Fruticose.*Habitat* : Corticolous.*Distribution* : Darjiling.319. *Usnea splendens* Stirton*Life Form* : Fruticose.*Habitat* : Corticolous.*Distribution* : Darjiling.320. *Usnea subsordida* Stirton*Life form* : Fruticose.*Habitat* : Corticolous.*Distribution* : Darjiling (Kurseong).321. *Usnea thomsonii* Stirton*Life Form* : Fruticose.*Habitat* : Corticolous.*Distribution* : Darjiling322. *Usnea undulata* Stirton*Life Form* : Fruticose.*Habitat* : Corticolous.*Distribution* : Darjiling.

Family Verrucariaceae

323. *Polyblastia intercodens**Life form* : Foliose.*Habitat* : Corticolous.*Distribution* : Darjiling (Chunabhati).

## BRYOPHYTA

The list of Bryophyta of West Bengal is incomplete due to non-availability of literature. The forthcoming publication on Bryophytes of West Bengal by Botanical Survey of India will help to complete the list.

Kingdom PLANT KINGDOM  
 Sub kingdom CRYPTOGAMA  
 Division BRYOPHYTA  
 Family ANTHOCEROTAE

### 1. *Anthoceros himalayensis*

*Life Form* : Thalloid.  
*Habitat* : Moist & Shady.  
*Distribution* : Darjiling.

### 2. *Anthoceros erectus*

*Life Form* : Thalloid.  
*Habitat* : Moist & Shady.  
*Distribution* : Darjiling.

### 3. *Notothylius indicus*

*Life Form* : Thalloid.  
*Habitat* : Moist & Shady.  
*Distribution* : Darjiling.

### 4. *Notothylius levieri*

*Life Form* : Thalloid.  
*Habitat* : Moist & Shady.  
*Distribution* : Darjiling.

Family HEPATICAE

### 5. *Asterella* sp.

*Life Form* : Thalloid.  
*Habitat* : Moist & Shady.  
*Distribution* : Darjiling.

### 6. *Calobryum indicum*

*Life Form* : Thalloid.  
*Habitat* : Moist & Shady.  
*Distribution* : Darjiling.

### 7. *Conocephalum* sp.

*Life Form* : Thalloid.  
*Habitat* : Moist & Shady.  
*Distribution* : Darjiling.

### 8. *Cyathodium* sp.

*Life Form* : Thalloid.  
*Habitat* : Moist & Shady.

*Distribution* : 24 Pgs (N), 24 Pgs (S),  
 Bankura, Birbhum, Burdwan, Coch Bihar,  
 Darjiling, Dinajpore (N), Dinajpore (S), Hugli,  
 Hoara, Jalpaiguri, Maldah, Midnapore,  
 Murshidabad, Nadia and Puruliya.

### 9. *Dumorti* sp.

*Life Form* : Thalloid.  
*Habitat* : Moist & Shady.  
*Distribution* : Darjiling.

### 10. *Fossombronia himalayensis*

*Life Form* : Thalloid.  
*Habitat* : Moist & Shady.  
*Distribution* : Darjiling.

### 11. *Frullania* sp.

*Life Form* : Leafy thalloid.  
*Habitat* : Moist & Shady.  
*Distribution* : Darjiling.

### 12. *Lejeunea flexuosa*

*Life Form* : Leafy thalloid.  
*Habitat* : Moist & Shady.  
*Distribution* : Darjiling.

### 13. *Loplozia* sp.

*Life Form* : Leafy thalloid.  
*Habitat* : Moist & Shady.  
*Distribution* : Darjiling.

### 14. *Lunularia* sp.

*Life Form* : Thalloid.  
*Habitat* : Moist & Shady.  
*Distribution* : Darjiling.

15. ***Marchantia*** sp.*Life Form* : Thalloid.*Habitat* : Moist & Shady.*Distribution* : Coch Bihar, Darjiling and Jalpaiguri.16. ***Marchantia polymorpha****Life Form* : Thalloid.*Habitat* : Moist & Shady.*Distribution* : Coch Bihar, Darjiling and Jalpaiguri.17. ***Metzgeria*** sp.*Life Form* : Leafy thalloid.*Habitat* : Moist & Shady.*Distribution* : Darjiling.18. ***Pellia epiphylla****Life Form* : Thalloid.*Habitat* : Moist & Shady.*Distribution* : Darjiling.19. ***Plagiochasma*** sp.*Life Form* : Thalloid.*Habitat* : Moist & Shady.*Distribution* : Darjiling.20. ***Porella campylophylla****Life Form* : Leafy thalloid.*Habitat* : Moist & Shady.*Distribution* : Darjiling.21. ***Reboulia*** sp.*Life Form* : Thalloid.*Habitat* : Moist & Shady.*Distribution* : Darjiling.22. ***Riccia discolor****Life Form* : Thalloid.*Habitat* : Moist & Shady*Distribution* : Darjeeling, Jalpaiguri23. ***Riccia gangetica****Life Form* : Thalloid.*Habitat* : Moist & Shady.*Distribution* : 24 Pgs (N), 24 Pgs (S), Bankura, Birbhum, Burdwan, Cooch Bihar,

Darjiling, Dinajpore (N), Dinajpore (S), Hugli, Hoara, Jalpaiguri, Maldah, Midnapore, Murshidabad, Nadia and Puruliya.

24. ***Takakia ceratophylla****Life Form* : Thalloid.*Habitat* : Moist & Shady.*Distribution* : Darjiling.25. ***Targionia*** sp.*Life Form* : Thalloid.*Habitat* : Moist & Shady.*Distribution* : Darjiling.

Family MUSCI

26. ***Andreaea rupestris****Life Form* : Erect leafy.*Habitat* : Moist exposed.*Distribution* : Darjiling.27. ***Archidium birmannicum****Life Form* : Erect leafy.*Habitat* : On bark.*Distribution* : Darjiling.28. ***Barbula constricta****Life Form* : Erect leafy*Habitat* : On bark*Distribution* : Darjiling.29. ***Bryum coronatum****Life Form* : Erect leafy.*Habitat* : On bark.*Distribution*: Darjiling.30. ***Fissidens ceylonensis****Life Form* : Erect leafy.*Habitat* : Moist shady.*Distribution* : Darjiling.31. ***Funaria hygrometrica****Distribution* : Darjiling.32. ***Hydrogonium arcuatum****Life Form* : Erect leafy.*Habitat* : On bark.*Distribution* : Darjiling.

33. ***Philonotis* sp.**

*Life Form* : Moist exposed.

*Habitat* : On bark.

*Distribution* : Darjiling.

34. ***Polytrichum densifolium***

*Life Form* : Erect leafy.

*Habitat* : Moist exposed.

*Distribution* : Darjiling.

35. ***Polytrichum formosum***

*Life Form* : Erect leafy.

*Habitat* : Moist exposed.

*Distribution*: Darjiling.

36. ***Polytrichum juniperinum***

*Life Form* : Erect leafy.

*Habitat* : Moist exposed.

*Distribution*: Darjiling.

37. ***Polytrichum xanthopilum***

*Life Form* : Erect leafy.

*Habitat* : Moist exposed.

*Distribution* : Darjiling.

38. ***Polytrichum alpinum***

*Life Form* : Erect leafy.

*Habitat* : Moist exposed.

*Distribution*: Darjiling.

39. ***Pogonatum microstomum***

*Life Form* : Erect leafy.

*Habitat* : Moist exposed.

*Distribution*: Darjiling.

40. ***Sphagnum khasianum***

*Life Form* : Erect leafy.

*Habitat* : Moist & Shady.

*Distribution*: Darjiling.

41. ***Sphagnum ovatum***

*Life Form* : Erect leafy.

*Habitat* : Moist & Shady.

*Distribution* : Darjiling.

42. ***Sphagnum palustre***

*Life Form* : Erect leafy.

*Habitat* : Moist & Shady.

*Distribution*: Darjiling.

43. ***Sphagnum squamosum***

*Life Form* : Erect leafy.

*Habitat* : Moist & Shady.

*Distribution*: Darjiling.

44. ***Semibarbula orientalis***

*Life Form* : Erect leafy.

*Habitat* : On bark.

*Distribution*: Darjiling.

45. ***Taxithalium nepalense***

*Life Form* : Erect leafy.

*Habitat* : On bark.

*Distribution* : Darjiling.

## PTERIDOPHYTA

Kingdom PLANTAE  
 Subkingdom CRYPTOGAMA  
 Division PTERIDOPHYTA  
 Family HUPERZIACEAE

### 1. *Huperzia squarrosa*

*Life Form* : Fern allies.  
*Habitat* : Epiphytic.  
*Distribution* : Darjiling.

### 2. *Huperzia subulifolia*

*Life Form* : Fern allies.  
*Habitat* : Terrestrial, epiphytic.  
*Distribution* : Darjiling.

### 3. *Huperzia herteriana*

*Life Form* : Fern allies.  
*Habitat* : Terrestrial, epiphytic.  
*Distribution* : Darjiling.

### 4. *Huperzia serrata*

*Life Form* : Fern allies.  
*Habitat* : Terrestrial, epiphytic.  
*Distribution* : Darjiling.

### 5. *Huperzia selago*

*Life Form* : Fern allies.  
*Habitat* : Terrestrial, epiphytic.  
*Distribution* : Darjiling.

### 6. *Huperzia pulcherriana*

*Life Form* : Fern allies.  
*Habitat* : Epiphytic.  
*Distribution* : Darjiling.

### 7. *Huperzia hamiltonii*

*Life Form* : Fern allies.  
*Habitat* : Epiphytic.  
*Distribution* : Darjiling.

### 8. *Phlegmariurus phlegmaria*

*Life Form* : Fern allies.  
*Habitat* : Lithophyte.  
*Distribution* : Darjiling.

Family LYCOPODIACEAE

### 9. *Lycopodium japonicum*

*Life Form* : Fern allies.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.

### 10. *Lycopodium casuarinoides*

*Life Form* : Fern allies.  
*Habitat* : Lithophyte.  
*Distribution* : Darjiling.

### 11. *Palhinhaea cernua*

*Life Form* : Fern allies.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.

### 12. *Diphasiastrum complanatum*

*Life Form* : Fern allies.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.

### 13. *Diphasiastrum alpinum*

*Life Form* : Fern allies.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.

Family SELAGINELLACEAE

### 14. *Selaginella chrysocaulos*

*Life Form* : Fern allies.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.

### 15. *Selaginella bisculcata*

*Life Form* : Fern allies.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.

### 16. *Selaginella involvens*

*Life Form* : Fern allies.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.

### 17. *Selaginella indica*

*Life Form* : Fern allies.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.



18. *Selaginella pennata*

Life Form : Fern allies.

Habitat : Terrestrial.

Distribution : Darjiling.

19. *Selaginella monospora*

Life Form : Fern allies.

Habitat : Terrestrial.

Distribution : Darjiling.

20. *Selaginella nepalensis*

Life Form : Fern allies.

Habitat : Terrestrial.

Distribution : Darjiling.

21. *Selaginella bryopteris*

Life Form : Fern allies.

Habitat : Xerophytic.

Distribution : Darjiling.

22. *Selaginella subdiaphana*

Life Form : Fern allies.

Habitat : Terrestrial.

Distribution : Darjiling.

23. *Selaginella pentagona*

Life Form : Fern allies.

Habitat : Terrestrial.

Distribution : Darjiling.

Family ISOETACEAE

24. *Isoetes coromandelina* ssp.  
*coromandelina*

Life Form : Fern allies.

Habitat : Aquatic.

Distribution : Precise locality not available.

25. *Isoetes coromandelina* ssp.  
*brachyglossa*

Life Form : Fern allies.

Habitat : Aquatic.

Distribution : Precise locality not available.

26. *Isoetes indica*

Life Form : Fern allies.

Habitat : Aquatic.

Distribution : Precise locality not available.

Family EQUISETACEAE

27. *Equisetum arvense*

Life Form : Fern allies.

Habitat : Terrestrial.

Distribution : Precise locality not available.

28. *Equisetum diffusum*

Life Form : Fern allies.

Habitat : Terrestrial.

Distribution : Darjiling.

29. *Equisetum ramosissimum* ssp.  
*debile*

Life Form : Fern allies.

Habitat : Terrestrial.

Distribution : Precise locality not available.

Family HELMINTHOSTACHYACEAE

30. *Helminthostachys zeylanica*

Life Form : Fern allies.

Habitat : Terrestrial.

Distribution : Haora, Hugli, South 24 Pgs., North 24 Pgs., Nadia, Murshidabad and Bardhaman.

Family BOTRYCHIACEAE

31. *Botrychium daucifolium*

Life Form : Herbaceous fern.

Habitat : Terrestrial.

Distribution : Darjiling.

32. *Botrychium lunaria*

Life Form : Herbaceous fern.

Habitat : Terrestrial.

Distribution : Darjiling.

33. *Botrychium ternatum*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

34. *Botrypus lanuginosum*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

## Family OPHIOGLOSSACEAE

35. *Ophioglossum costatum**Life Form* : Small fern.*Habitat* : Terrestrial.*Distribution* : No precise locality mentioned.36. *Ophioglossum gramineum**Life Form* : Small fern.*Habitat* : Terrestrial.*Distribution* : No precise locality mentioned.37. *Ophioglossum nudicaule* var.  
*macrorrhizum**Life Form* : Small fern.*Habitat* : Terrestrial.*Distribution* : No precise locality mentioned.38. *Ophioglossum petiolatum**Life Form* : Herbaceous fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.39. *Ophioglossum pendulum**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Koch Bihar, Malda, Darjiling.40. *Ophioglossum reticulatum**Life Form* : Herbaceous fern.*Habitat* : Terrestrial.*Distribution* : No precise locality mentioned.

## Family ANGIOPTERIDACEAE

41. *Angiopteris evecta**Life Form* : Large fern.*Habitat* : Swampy forest.*Distribution* : Darjiling and Jalpaiguri.

## Family OSMUNDACEAE

42. *Osmunda cinnamomea**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.43. *Osmunda clatoniana**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.44. *Osmunda regalis**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.

## Family PLAGIOGYRIACEAE

45. *Plagiogyrea coeruleascens**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : No precise locality mentioned.46. *Plagiogyrea euphlebica**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.47. *Plagiogyrea rankanensis**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.

## Family

## DICRANOPTERIDACEAE

48. *Dicranopteris linearis**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.49. *Dicranopteris taiwanensis**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.50. *Diplopterygium blotianum**Life Form* : Straggling and climbing fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.51. *Diplopterygium glaucum**Life Form* : Gregarious straggling fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.

## Family GRAMMITIDIACEAE

52. *Ctenopteris subfalcata**Life Form* : Small fern.

*Habitat* : Lithophyte.

*Distribution* : Darjiling.

53. ***Prosaptio khasyana***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

54. ***Sceroglossum sulcatum***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

55. ***Xiphopteris sikkimensis***

*Life Form* : Fern.

*Habitat* : Epiphytic.

*Distribution* : Dinajpur, Darjiling.

Family LOXOGRAMMACEAE

56. ***Loxogramme porcata***

*Life Form* : Fern.

*Habitat* : Epiphytic, Lithophyte.

*Distribution* : Darjiling.

Family POLYPODIACEAE

57. ***Arthromeris lehmanni***

*Life Form* : Fern.

*Habitat* : Epiphytic, Lithophyte.

*Distribution* : Darjiling.

58. ***Arthromeris wallichiana***

*Life Form* : Beautiful Fern.

*Habitat* : Epiphytic, Lithophyte.

*Distribution* : Darjiling.

59. ***Belvisia revoluta***

*Life Form* : Fern.

*Habitat* : Epiphytic.

*Distribution* : Darjiling.

60. ***Dendroglossa minutula***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

61. ***Drymoglossum heterophyllum***

*Life Form* : Fern.

*Habitat* : Epiphytic.

*Distribution* : Darjiling.

62. ***Lepidogrommitis rostrata***

*Life Form* : Fern.

*Habitat*: Epiphytic.

*Distribution* : Darjiling.

63. ***Phymatopteris crenatopinnata***

*Life Form* : Fern.

*Habitat* : Epiphytic.

*Distribution* : Darjiling.

64. ***Phymatopteris ebenipes***

*Life Form* : Fern.

*Habitat* : Epiphytic, Lithophyte.

*Distribution* : Darjiling.

65. ***Phymatopteris erythrocarpa***

*Life Form* : Fern.

*Habitat* : Epiphytic, Lithophyte.

*Distribution* : Darjiling.

66. ***Phymatopteris griffithiana***

*Life Form* : Epiphytic.

*Habitat* : Epiphytic.

*Distribution* : Darjiling.

67. ***Phymatopteris hastatus***

*Life Form* : Fern.

*Habitat* : Epiphytic.

*Distribution* : Darjiling.

68. ***Phymatopteris integerrima***

*Life Form* : Fern.

*Habitat* : Epiphytic.

*Distribution* : Darjiling.

69. ***Phymatopteris malacodon***

*Life Form* : Fern.

*Habitat* : Epiphytic.

*Distribution* : Darjiling.

70. ***Phymatopteris nigrovenia***

*Life Form* : Fern.

*Habitat* : Epiphytic.

*Distribution* : Darjiling.

71. ***Phymatopteris oxyloba****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.72. ***Phymatopteris quasidivarticatum****Life Form* : Fern.*Habitat* : Lithophyte.*Distribution* : Darjiling.73. ***Phymatopteris stewartii****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.74. ***Phymatopteris stracheyi****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.75. ***Phymatosorus cuspidatus****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.76. ***Phymatosorus longifolia****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.77. ***Phymatosorus longissimus****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.78. ***Leptochilus axillaris****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Koch Bihar and Darjiling.79. ***Leptochilus decurrens****Life Form* : Fern.*Habitat* : Lithophyte.*Distribution* : Darjiling.80. ***Lepisorus amaurolepidus****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.81. ***Lepisorus contortus****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.82. ***Lepisorus kuchensis****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.83. ***Lepisorus loriformis****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.84. ***Lepisorus morrisonensis****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.85. ***Lepisorus nudus****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.86. ***Lepisorus oligolepidus****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.87. ***Lepisorus sublinearis****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.88. ***Lepisorus thunbergianus****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.89. ***Lepisorus ussuriensis****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.

90. ***Goniophlebium amoenum****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.91. ***Goniophlebium argutum****Life Form* : Fern.*Habitat* : Epiphytic, Lithophyte.*Distribution* : Darjiling.92. ***Goniophlebium hendersonii****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.93. ***Goniophlebium manmeiense****Life Form* : Fern allies.*Habitat* : Epiphytic.*Distribution* : Darjiling.94. ***Goniophlebium microrhizama****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.95. ***Goniophlebium subamoenum****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.96. ***Goniophlebium subauriculatum****Life Form* : Giant Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.97. ***Christiopteris tricuspis****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.98. ***Colysis dilatata****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.99. ***Colysis elliptica****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.100. ***Colysis hemionitidea****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.101. ***Colysis pendunculata****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.102. ***Colysis pothifolia****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.103. ***Colysis pteropus****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.104. ***Drynaria mollis****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.105. ***Drynaria propinqua****Life Form* : Fern.*Habitat* : Epiphytic, terrestrial.*Distribution* : Darjiling.106. ***Drynaria quercifolia****Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.107. ***Microsorium membranaceum****Life Form* : Fern.*Habitat* : Epiphytic, terrestrial.*Distribution* : Darjiling.108. ***Microsorium ovatum****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.

109. ***Microsorium normale***  
*Life Form* : Fern.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.
110. ***Microsorium punctatum***  
*Life Form* : Fern.  
*Habitat*: Epiphytic.  
*Distribution*: Darjiling.
111. ***Microsorium zippelli***  
*Life Form* : Fern.  
*Habitat* : Epiphytic, Lithophytic.  
*Distribution* : Darjiling.
112. ***Lemmaphyllum carnosum***  
*Life Form* : Fern.  
*Habitat* : Epiphytic.  
*Distribution* : Darjiling.
113. ***Lepidogrammitis rostrata***  
*Life Form* : Fern.  
*Habitat* : Epiphytic.  
*Distribution* : Darjiling.
114. ***Marginaria polypodiodes***  
*Life Form* : Fern.  
*Habitat* : Epiphytic.  
*Distribution* : Darjiling.
115. ***Pseudodrynaria coronans***  
*Life Form* : Large fern.  
*Habitat* : Epiphytic.  
*Distribution* : Darjiling.
116. ***Pyrrosia lanceolata***  
*Life Form* : Fern.  
*Habitat* : Lithophytic.  
*Distribution* : Darjiling (Tonglu).
117. ***Pyrrosia lingua*** var. *heteracta*  
*Life Form* : Fern.  
*Habitat* : Lithophytic.  
*Distribution* : Darjiling (Lopchu).
118. ***Pyrrosia mannii***  
*Life Form* : Fern.

- Habitat* : Lithophytic.  
*Distribution* : Darjiling.
119. ***Pyrrosia nuda***  
*Life Form* : Fern.  
*Habitat* : Lithophytic.  
*Distribution* : Darjiling.
120. ***Pyrrosia porosa***  
*Life Form* : Fern.  
*Habitat* : Lithophytic.  
*Distribution* : Darjiling.
121. ***Pyrrosia subfurfuracea***  
*Life Form* : Fern.  
*Habitat* : Lithophytic.  
*Distribution* : Darjiling.
122. ***Tricholepidium normale***  
*Life Form* : Fern.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.
- Family DIPTERIDACEAE
123. ***Dipteris wallichii***  
*Life Form* : Fern.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.
- Family PLATYCERACEAE
124. ***Platynerium alaicorne***  
*Life Form* : Fern.  
*Habitat* : Epiphytic, lithophytic.  
*Distribution* : South 24 Pgs.
- Family LYGODIACEAE
125. ***Lygodium flexuosum***  
*Life Form* : Climbing fern.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.
126. ***Lygodium japonicum***  
*Life Form* : Climbing fern.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.
- Family SINOPTERIDACEAE
127. ***Cheilanthes anceps***  
*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

128. ***Cheilanthes bicolor***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

129. ***Cheilanthes chrysophylla***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

130. ***Cheilanthes doniana***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

131. ***Cheilanthes farinosa***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

132. ***Cheilanthes grisea***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

133. ***Cheilanthes rufa***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

134. ***Cheilanthes subvillosa***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

135. ***Cheilanthes tenuifolia***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling, Jalpaiguri and Koch Bihar.

136. ***Doryopteris concolor***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

137. ***Notholaena marantae***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

Family

CRYPTOGRAMMACEAE

138. ***Cryptogramma brunoniana***

*Life Form* : Small fern allies.

*Habitat* : Higher elevations, terrestrial.

*Distribution* : Darjiling.

139. ***Onychium cryptogrammoides***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

140. ***Onychium japonicum***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

141. ***Onychium lucidum***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

142. ***Onychium siliculosum***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

Family

ACTINIOPTERIDACEAE

143. ***Actiniopteris radiata***

*Life Form* : Fern.

*Habitat* : On dry rocks.

*Distribution* : North 24 Pgs.

Family PTERIDOACEAE

144. ***Pteris aspericaulis***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

145. ***Pteris barbiger***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

146. ***Pteris biaurita***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

147. ***Pteris cretica***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

148. ***Pteris dactylina***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

149. ***Pteris ensiformis***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

150. ***Pteris excelsa***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

151. ***Pteris linearis***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

152. ***Pteris longipes***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

153. ***Pteris puberula***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

154. ***Pteris quadriaurita***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

155. ***Pteris quadriaurita* var. *major***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

156. ***Pteris semipinnata***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

157. ***Pteris setuloso-costulata***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

158. ***Pteris stenophylla***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

159. ***Pteris subindivisa***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

160. ***Pteris vittata***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

161. ***Pteris wallichiana***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

Family ACROSTICHACEAE

162. ***Acrostichum aureum***

*Life Form* : Fern.

*Habitat* : Coastal region.

*Distribution* : Medinipur and South 24 Pgs

Family ADIANTACEAE

163. ***Adiantum caudatum***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.



164. *Adiantum capillus-veneris**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.165. *Adiantum incisum**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.166. *Adiantum lunulatum**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.167. *Adiantum radianum**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.168. *Adiantum venustum**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.

## Family HEMINOITIDACEAE

169. *Anogramma leptophylla**Life Form* : Small fern.*Habitat* : Lithophytic.*Distribution* : Darjiling.170. *Coniogramme caudata**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.171. *Coniogramme denticulato-serrata**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.172. *Coniogramme falcatum**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.173. *Coniogramme fraxinea**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.174. *Coniogramme indica**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.175. *Coniogramme intermedia**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.176. *Coniogramme procera**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.177. *Coniogramme purpurea**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.178. *Coniogramme subcordata**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.179. *Pityrogramma calomelanos**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Haora, Hugli, Nadia, South 24 Pgs., North 24 Pgs., Barddhaman and Medinipur.180. *Pityrogramma calomelanos* var. *aureoflava**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Haora, Hugli, Nadia, South 24 Pgs., North 24 Pgs., Barddhaman and Medinipur.181. *Syngamme vestita**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.

## Family ANTROLPHYACEAE

182. *Antrophyrum obovatum*

Life Form : Fern.

Habitat : Epiphytic.

Distribution : Darjiling.

183. *Antrophyrum parvulum*

Life Form : Fern.

Habitat : Epiphytic, terrestrial.

Distribution : Darjiling.

184. *Antrophyrum reticulatum*

Life Form : Fern.

Habitat : Terrestrial, epiphytic.

Distribution : Darjiling.

## Family VITTARIACEAE

185. *Vittaria caricina*

Life Form : Fern.

Habitat : Epiphytic.

Distribution : Darjiling.

186. *Vittaria elongata*

Life Form : Fern.

Habitat : Epiphytic.

Distribution : Darjiling.

187. *Vittaria flexuosa*

Life Form : Fern.

Habitat : Epiphytic.

Distribution : Darjiling.

188. *Vittaria himalayensis*

Life Form : Fern.

Habitat : Epiphytic.

Distribution : Darjiling.

189. *Vittaria ophiopogonoides*

Life Form : Fern.

Habitat : Epiphytic

Distribution : Darjiling.

190. *Vittaria sikkimensis*

Life Form : Fern.

Habitat : Epiphytic.

Distribution : Darjiling.

191. *Vittaria taeniophylla*

Life Form : Fern.

Habitat : Epiphytic.

Distribution : Darjiling.

192. *Vittaria wattii*

Life Form : Fern.

Habitat : Epiphytic.

Distribution : Darjiling.

## Family PARKERIACEAE

193. *Ceratopteris thalictroides*

Life Form : Herbaceous dimorphic fern.

Habitat : Aquatic.

Distribution : Darjiling.

## Family MARSILEACEAE

194. *Marsilea minuta*

Life Form : Heterosporous fern.

Habitat : Amphibious.

Distribution : South 24 Pgs. and North 24 Pgs.

## Family HYMENOPHYLLACEAE

195. *Hymenophyllum simonsianum*

Life Form : Filmy fern.

Habitat : Epiphytic.

Distribution : Darjiling.

196. *Mecodium badium*

Life Form : Filmy fern.

Habitat : Epiphytic, Lithophytic.

Distribution : Darjiling.

197. *Mecodium levingei*

Life Form : Filmy fern.

Habitat : Epiphytic, Lithophytic.

Distribution : Darjiling.

198. *Mecodium polyanthos*

Life Form : Filmy fern.

Habitat : Epiphytic, Lithophytic.

Distribution : Darjiling.

199. *Trichomanes auriculatum*

Life Form : Filmy fern.

*Habitat* : Epiphytic, Lithophytic.

*Distribution* : Darjiling.

200. ***Trichomanes radicans***

*Life Form* : Fern.

*Habitat* : Epiphytic.

*Distribution* : Darjiling.

201. ***Trichomanes proliferum***

*Life Form* : Fern.

*Habitat* : Epiphytic.

*Distribution* : Darjiling.

Family DICKSONIACEAE

202. ***Cibotium barometz***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

Family CYATHEACEAE

203. ***Cyathea andersonii***

*Life Form* : Tree fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

204. ***Cyathea chinensis***

*Life Form* : Tree fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

205. ***Cyathea gigantea***

*Life Form* : Tree fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

206. ***Cyathea khasyana***

*Life Form* : Tree fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

207. ***Cyathea spinulosa***

*Life Form* : Tree fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

Family DENNSTAEDTIACEAE

208. ***Dennstaedtia appendiculata***

*Life Form* : Fern.

*Habitat* : Swampy locality.

*Distribution* : Darjiling.

209. ***Dennstaedtia scabra***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

210. ***Microlepia dubia***

*Life Form* : Beautiful fern.

*Habitat* : Epiphytic.

*Distribution* : Darjiling.

211. ***Microlepia neostrigosa***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

212. ***Microlepia rhomboidea***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

213. ***Microlepia speluncaae***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

214. ***Microlepia strigosa***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

Family MONACHOSORACEAE

215. ***Monachosorum henryi***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

Family HYPOLEPIDACEAE

216. ***Histiopteris incisa***

*Life Form* : Fern allies.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

217. ***Hypolepis glandulifera***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

218. ***Hypolepis sikkimensis***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling

Family PERIDACEAE

219. ***Pteridium revolutum***

*Life Form* : Fern.

*Habitat* : Xerophytic.

*Distribution* : Darjiling.

Family LINDSAEACEAE

220. ***Lindsaea lobata***

*Life Form* : Fern.

*Habitat* : Epiphytic.

*Distribution* : Darjiling.

221. ***Lindsaea odorata***

*Life Form* : Fern.

*Habitat* : Epiphytic.

*Distribution* : Darjiling.

222. ***Lindsaea odorata* var.  
*darjeelingensis***

*Life Form* : Fern.

*Habitat* : Epiphytic.

*Distribution* : Darjiling.

223. ***Sphenomeris chinensis***

*Life Form* : Fern.

*Habitat* : Terrestrial calciferous soil.

*Distribution* : Darjiling.

Family THELYPTERIDACEAE

224. ***Ampelopteris prolifera***

*Life Form* : Creeping fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

225. ***Ampheneuron immersum***

*Life Form* : Creeping fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling and Jalpaiguri.

226. ***Christella appendiculata***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

227. ***Christella arida***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

228. ***Christella clarkei***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

229. ***Christella cylindrothrix***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

230. ***Christella dentata***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

231. ***Christella papilio***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

232. ***Christella papyracea***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

233. ***Christella semisagittata***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

234. ***Christella subpubescens***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

235. ***Coryphopteris hirsutipes***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

236. ***Cyclogramma auriculata***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

237. ***Cyclogramma squamaestipes***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

238. ***Cyclosorus interruptus***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

239. ***Dictyocline griffithii***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

240. ***Glaphyopteridopsis erubescens***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

241. ***Macrothelypteris ornata***

*Life Form* : Large spiny fern.

*Habitat* : Swampy locality.

*Distribution* : Darjiling.

242. ***Macrothelypteris torresiana***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling and Jalpaiguri.

243. ***Pronephrium nudatum***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

244. ***Pronephrium lakhimpurens***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

245. ***Pseudocyclosorus canus***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

246. ***Pseudocyclosorus falcilobus***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

247. ***Pseudocyclosorus folciloba*** var.  
***lalior***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

248. ***Pseudophegopteris aurita***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

249. ***Pseudophegopteris hirtirachis***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

250. ***Pseudophegopteris paludosa***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

251. ***Pseudophegopteris pyrrorhachis***  
var. ***glabrata***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

252. ***Stenogramma aspleniodes***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

253. ***Thelypteris khasiensis***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

254. ***Trigonospora ciliata***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

Family ASPLENIACEAE

255. ***Asplenium borneese***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

256. ***Asplenium bullatum***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

257. ***Asplenium cheilosorum***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

258. ***Asplenium delavayi***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

259. ***Asplenium dalhousiae***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

260. ***Asplenium ensiforme***

*Life Form* : Leathery fern.

*Habitat* : Terrestrial, Lithophytic.

*Distribution* : Darjiling.

261. ***Asplenium finalysonianum***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

262. ***Asplenium griffithianum***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

263. ***Asplenium gueinzianum***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

264. ***Asplenium laciniatum***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

265. ***Asplenium normale***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

266. ***Asplenium pellucidum***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

267. ***Asplenium phyllitidis***

*Life Form* : Fern

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

268. ***Asplenium pseudolaserpitiifolium***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

269. ***Asplenium tenuifolium***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

270. ***Asplenium nidus***

*Life Form* : Fern.

*Habitat* : Lithophytic.

*Distribution* : Darjiling.

271. ***Asplenium unilaterale***

*Life Form* : Fern.

*Habitat* : Lithophytic.

*Distribution* : Darjiling.

272. *Asplenium unilaterale* var.  
*delicatulum*

Life Form : Fern.

Habitat : Lithophytic.

Distribution : Darjiling.

273. *Asplenium unilaterale* var. *udum*

Life Form : Fern.

Habitat : Lithophytic.

Distribution : Darjiling.

274. *Asplenium varians*

Life Form : Fern.

Habitat : Lithophytic.

Distribution : Darjiling.

275. *Asplenium yoshinaga* var.  
*planicaule*

Life Form : Beautiful fern.

Habitat : Epiphytic , lithophytic.

Distribution : Darjiling.

Family WOODSIACEAE

276. *Cheilanthes straminea*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

277. *Woodsia elongata*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

Family ATHYRIACEAE

278. *Anisocampium cumingianum*

Life Form : Herbaceous fern.

Habitat : Terrestrial.

Distribution : Darjiling.

279. *Athyrium anisopterum*

Life Form : Herbaceous fern.

Habitat : Terrestrial.

Distribution : Darjiling.

280. *Athyrium clarkei*

Life Form : Beautiful basket shaped fern.

Habitat : Swampy locality.

Distribution : Darjiling.

281. *Athyrium cuspidatum*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

282. *Athyrium drepanopterum*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

283. *Athyrium fimbriatum*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

284. *Athyrium flabellulatum*

Life Form : Fern

Habitat : Terrestrial.

Distribution : Darjiling.

285. *Athyrium foliolosum*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

286. *Athyrium micropterum*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

287. *Athyrium nigripes*

Life Form : Fern.

Habitat: Terrestrial.

Distribution : Darjiling.

288. *Athyrium pectinatum*

Life Form : Fragile fern.

Habitat : Terrestrial.

Distribution : Darjiling.

289. *Athyrium praetermissum*

Life Form : Fragile fern.

Habitat : Terrestrial.

Distribution : Darjiling.

290. *Athyrium puncticaule*

Life Form : Fragile fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

291. ***Athyrium rupicola***

*Life Form* : Fragile fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

292. ***Athyrium schimperi***

*Life Form* : Fragile fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

293. ***Athyrium setiferum***

*Life Form* : Fragile fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

294. ***Athyrium sikkimense***

*Life Form* : Fragile fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling

295. ***Athyrium solenopteris***

*Life Form* : Fragile fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

296. ***Athyrium spinulosum***

*Life Form* : Fragile fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

297. ***Athyrium strigillosum***

*Life Form* : Fragile fern.

*Habitat* : Terrestrial.

*Distribution*: Darjiling.

298. ***Cystopteris fragilis***

*Life Form* : Delicate fern.

*Habitat* : Lithophytic.

*Distribution* : Darjiling.

299. ***Cystopteris tenuirecta***

*Life Form* : Fern.

*Habitat* : Lithophytic.

*Distribution* : Darjiling and Jalpaiguri.

300. ***Cornopteris opaca***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

301. ***Deparia acrostichoides***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

302. ***Deparia allantodiodes***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

303. ***Deparia boryana***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

304. ***Deparia japonica***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

305. ***Deparia lancea***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

306. ***Deplaziopsis javanica***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

307. ***Diaplazium esculentum***

*Life Form* : Large fern.

*Habitat* : Along water channels.

*Distribution*: Darjiling.

308. ***Diaplazium heterophlebium***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

309. ***Diaplazium himalalayense***

*Life Form* : Fern.



*Habitat* : Terrestrial.

*Distribution* : Darjiling.

310. ***Diaplazium maximum***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

311. ***Diaplazium maximum*** var.  
***sublatifolium***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

312. ***Diaplazium muricatum***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

313. ***Diaplazium polypodiodes***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

314. ***Diaplazium sikkimense***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

315. ***Diaplazium stenochlayms***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

316. ***Diaplazium stoliczkee***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

317. ***Diaplazium succulentum***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

318. ***Diaplazium viridissimum***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

319. ***Diaplazium frondosum***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

Family HYPODEMATACEAE

320. ***Hypodematum crenatum***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

Family TECTARIACEAE

321. ***Tectaria cicutaria***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

322. ***Tectaria coadunata***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

323. ***Tectaria coadunata*** var. ***hirsuta***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

324. ***Tectaria decurrens***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

325. ***Tectaria fuscipes***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

326. ***Tectaria ingens***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

327. ***Tectaria polymorpha***

*Life Form* : Fern.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

## Family PERANEMATACEAE

328. *Acrophorus nodosus**Life Form* : Beautiful Fern.*Habitat* : Terrestrial, higher elevations.*Distribution* : Darjiling.

## Family ASPIDIACEAE

329. *Acrorumorha diffracta**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.330. *Dryopsis apiciflora**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.331. *Dryopsis manipurensis**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.332. *Dryopsis nidus**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.333. *Pteridrys zeylanica**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.334. *Pteridrys syrmatica**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.335. *Pleocnemia winitii**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.336. *Cyrtomum hookerianum**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.337. *Cyrtomum caryotideum**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.338. *Didymochlaena truncata**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.

## Family DRYOPTERIDACEAE

339. *Arachniodes assamica**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.340. *Arachniodes nipponica**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.341. *Arachniodes spectabilis**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.342. *Dryopteris acuto-dentata**Life Form* : Delicate Fern.*Habitat* : Higher elevation.*Distribution* : Darjiling.343. *Dryopteris alpestris**Life Form* : Delicate Fern.*Habitat* : Higher elevation.*Distribution* : Darjiling.344. *Dryopteris atrata**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.345. *Dryopteris barbiger**Life Form* : Fern.*Habitat* : Higher elevation.*Distribution* : Darjiling.

346. *Dryopteris blandfordii*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

347. *Dryopteris chrysocoma*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

348. *Dryopteris costalisora*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

349. *Dryopteris gamblei*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

350. *Dryopteris juxtaposita*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

351. *Dryopteris lepidopoda*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

352. *Dryopteris marginata*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

353. *Dryopteris nigropaleacea*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

354. *Dryopteris adonotoloma*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

355. *Dryopteris panda*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

356. *Dryopteris pulvinulifera*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

357. *Dryopteris redactopinnata*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

358. *Dryopteris reflexosquamata*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

359. *Dryopteris scottii*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

360. *Dryopteris sparsa*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

361. *Dryopteris splendens*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

362. *Dryopteris stenolepis*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

363. *Dryopteris subimbressa*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

364. *Dryopteris wallichiana*

Life Form : Fern.

Habitat : Terrestrial.

Distribution : Darjiling.

**365. *Dryopteris wallichina* ssp. *himalaica****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.**366. *Dryopteris xanthomelas****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.**367. *Dryopteris sparsa****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling (Lebong).**368. *Dryopteris zygoparentalis****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.**369. *Nothoperanema squamisetum****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.**370. *Polystichum acutidens****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.**371. *Polystichum atkinsonii****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.**372. *Polystichum chunnii****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.**373. *Polystichum discretum****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.**374. *Polystichum harpophyllum****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.**375. *Polystichum lentum****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.**376. *Polystichum levingei****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.**377. *Polystichum longipaleatum****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.**378. *Polystichum manmeiense****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.**379. *Polystichum nepalense****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.**380. *Polystichum punctiferum****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.**381. *Polystichum scariosum****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.**382. *Polystichum semifertile****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.**383. *Polystichum squarrosom****Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.

384. ***Polystichum stimulans***  
*Life Form* : Fern.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.
385. ***Polystichum subapiciflorum***  
*Life Form* : Fern.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.
386. ***Polystichum thomsoni***  
*Life Form* : Fern.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.
- Family BOLBILIDACEAE
387. ***Bolbitis appendiculata***  
*Life Form* : Dimorphic fern.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.
388. ***Bolbitis heteroclita***  
*Life Form* : Dimorphic fern.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.
389. ***Bolbitis semicordata***  
*Life Form* : Dimorphic fern.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.
390. ***Bolbitis virens var. deltigera***  
*Life Form* : Dimorphic fern.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.
- Family ELAPHOGLOSSACEAE
391. ***Elaphoglossum marginatum***  
*Life Form* : Fern.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.
392. ***Elaphoglossum stigmatolepis***  
*Life Form* : Fern.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.

- Family NEPHROLEPIDACEAE
393. ***Nephrolepis auriculata***  
*Life Form* : Fern.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.
394. ***Nephrolepis cordifolia***  
*Life Form* : Fern.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.
395. ***Nephrolepis hirsutula***  
*Life Form* : Fern.  
*Habitat* : Terrestrial.  
*Distribution* : Darjiling.
- Family OLEANDRACEAE
396. ***Oleandra musaefolia***  
*Life Form* : Fern.  
*Habitat* : Epiphytic, Lithophytic.  
*Distribution* : Darjiling.
397. ***Oleandra pistillaris***  
*Life Form* : Fern.  
*Habitat* : Epiphytic, Lithophytic.  
*Distribution* : Darjiling.
398. ***Oleandra wallichii***  
*Life Form* : Fern.  
*Habitat* : Epiphytic, Lithophytic.  
*Distribution* : Darjiling.
- Family DAVALLIACEAE
399. ***Araiostegia hookeri***  
*Life Form* : Fern.  
*Habitat* : Epiphytic.  
*Distribution* : Darjiling.
400. ***Araiostegia membranulosa***  
*Life Form* : Fern.  
*Habitat* : Epiphytic.  
*Distribution* : Darjiling.
401. ***Araiostegia multidentata***  
*Life Form* : Fern.  
*Habitat* : Epiphytic.  
*Distribution* : Darjiling.

402. *Araiostegia pulchra**Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.403. *Davallia bullata**Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.404. *Davallia solida**Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.405. *Humata assamica**Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.406. *Humata griffithiana**Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.407. *Humata repens**Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.408. *Leucostegia immersa**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.

Family GYMNOGRAMMITIDACEAE

409. *Gymnogrammitis dareiformis**Life Form* : Fern.*Habitat* : Epiphytic.*Distribution* : Darjiling.

Family BLECHNACEAE

410. *Brainea insignis**Life Form* : Large fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.411. *Blechnum orientale**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Medinipur, Nadia, Haora, Hugli, North 24 Pgs., South 24 Pgs. and Bardhaman.412. *Woodwardia unigemmata**Life Form* : Fern.*Habitat* : Terrestrial.*Distribution* : Darjiling.

Family STENOCHLACEAE

413. *Stenochlaena palustris**Life Form* : Climbing fern.*Habitat* : Marshy locality.*Distribution* : Darjiling and Haora.

Family SALVINIACEAE

414. *Salvinia cucullata**Life Form* : Free floating fern.*Habitat* : Aquatic.*Distribution* : Dinajpur and Murshidabad.415. *Salvinia natans**Life Form* : Freefloating fern.*Habitat* : Aquatic.*Distribution* : North 24 Pgs. and South 24 Pgs.

Family AZOLLACEAE

416. *Azolla pinnata**Life Form* : Free floating forms.*Habitat* : Aquatic.*Distribution* : All over W. Bengal.

## GYMNOSPERM

Kingdom PLANT KINGDOM  
 Sub-kingdom PHANEROGRAMA  
 Division GYMNOSPERM  
 Order CONIFERALES

1. *Abies spectabilis*

*Life Form* : Tree.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

2. *Araucasia cookii*

*Life Form* : Tree.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

3. *Callistris* sp.

*Life Form* : Tree.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

4. *Cedrus deodara*

*Life Form* : Tree.

*Habitat* : Terrestrial.

*Distribution* : Darjiling and South Bengal  
(Planted).

5. *Cephalotaxus manii*

*Life Form* : Tree.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

6. *Cryptomeria japonica*

*Life Form* : Tree.

*Habitat* : Terrestrial.

*Distribution* : Darjiling (Planted).

7. *Cupressus torulosus*

*Life Form* : Tree.

*Habitat* : Terrestrial.

*Distribution* : Coch Bihar, Darjiling and  
Jalpaiguri.

8. *Juniperus communis*

*Life Form* : Tree.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

9. *Picea smithiana*

*Life Form* : Tree.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

10. *Pinus paetula*

*Life Form* : Tree.

*Habitat* : Terrestrial.

*Distribution* : Darjiling (exotic species,  
planted).

11. *Pinus roxburghii*

*Life Form* : Tree.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

12. *Pinus wallichiana*

*Life Form* : Tree.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

13. *Podocarpus nerifolius*

*Life Form* : Tree.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

14. *Pseudotsuga* sp.

*Life Form* : Tree.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

15. *Taxus baccata* ssp. *wallichiana*

*Life Form* : Shrubs.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

16. *Thuja orientalis*

*Life Form* : Tree.

*Habitat* : Terrestrial.

*Distribution* : Coch Bihar, Darjiling and  
Jalpaiguri (Planted).

17. *Tsuga dumosa*

*Life Form* : Tree.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

18. ***Tsuga brunoniana***

*Life Form* : Tree.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

Order CYCADALES

19. ***Cycas beddomei***

*Life Form* : Tree.

*Habitat* : Terrestrial.

*Distribution* : Darjiling.

20. ***Cycas pectinata***

*Life Form* : Tree.

*Habitat* : Terrestrial.

*Distribution* : North 24 Pgs., South 24 Pgs.,  
Darjiling, Medinipur and Nadia.

Order GINKGOALES

21. ***Ginkgo biloba***

*Life Form* : Tree.

*Habitat* : Terrestrial.

*Distribution* : Darjiling (Planted).



## MONOCOTYLEDON

Kingdom PLANTAE  
 Sub kingdom PHANEROGAMAE  
 Division ANGIOSPERMAE  
 Class MONOCOTYLEDONAE  
 Family CERATOPHYLLACEAE

### 1. *Ceratophyllum demersum* L. (1753)

*Common name* : Jhanji.

*Life form* : Submerged, Rootless, aquatic herb.

*Habitat* : Common in ponds, Ditches & pools, Associated with *Hydrilla*.

*Distribution* : Nadia, Medinipur, Koch Bihar, South 24 Pgs., Jalpaiguri, Birbhum, Hugli, North 24 Pgs, Barddhaman, North Dinajpur, South Dinajpur, Haora (Uluberia), Murshidabad (Baharampur, Farakka), Maldah (Manikchak) and Puruliya.

Family HYDROCHARITACEAE

### 2. *Blyxa japonica* (Miq.) Maxim. ex Aschers. & Gurke (1889)

*Life form* : Submerged herb.

*Habitat* : Ponds & ditches.

*Distribution* : North 24 Pgs, Medinipur, Hugli and Nadia (Birnagar).

### 3. *Blyxa octandra* (Roxb.) Planch. ex Thw. (1864)

*Common name* : Patasiala.

*Life form* : Submerged dioecious fresh water plant.

*Habitat* : Ponds, puddles.

### 4. *Hydrilla verticillata* (L. f.) Royle (1839)

*Life form* : Submerged fresh water plsnt.

*Habitat* : Jheels & Beels.

*Distribution* : Nadia, Puruliya, Maldah (Pakuya), Murshidabad (Jiagunge), South Dinajpur, North Dinajpur, Haora, Barddhaman, Hugli, Bankura, Birbhum, Jalpaiguri, North 24 Pgs., Koch Bihar, South 24 Pgs. and Medinipur.

### 5. *Nechamandra alternifolia* (Roxb. ex Wight) Thw. (1864)

*Life form* : Submerged or floating dioecious fresh water herb.

*Habitat* : Puddles, ponds & ditches.

*Distribution* : Birbhum, Koch Bihar, Maldah, Murshidabad (Bhagirathi, Baharampur, Baranagar), South Dinajpur, Haora (Moniktola.), Hugli, Jalpaiguri, Barddhaman, Puruliya, Medinipur, North 24 Pgs, Nadia, South 24 Pgs and North Dinajpur.

### 6. *Ottelia alismoides* (L.) Pers. (1805)

*Common name* : Panikalla.

*Life form* : Submerged herb.

*Habitat* : Ponds & shallow lakes.

*Distribution* : Koch Bihar, Murshidabad (Baranagar), Maldah (Ratuya), Medinipur, North Dinajpur, Haora, Jalpaiguri, Nadia, South 24 Pgs., Hugli and North 24 Pgs.

### 7. *Vallisneria spiralis* var.

*denseserrulata* Makino (1914)

*Common name* : Siala.

*Life form* : Glabrous herb.

*Habitat* : Ponds & ditches.

*Distribution* : North 24 Pgs., Jalpaiguri, Maldah (Ratuya), Medinipur, Birbhum, Koch Bihar, Barddhaman, South Dinajpur, Bankura, North Dinajpur, Haora, Murshidabad (Lalbagh, Chandpara beel), Hugli, South 24 Pgs., Nadia and Puruliya.

Family ORCHIDACEAE

### 8. *Acampe praemorsa* (Roxb.) Blatt. & McCann (1932)

*Life form* : Epiphytes.

*Habitat* : Occasional; epiphytic on *Mangifera indica*.

*Distribution* : North 24 Pgs., Murshidabad and Nadia.

9. ***Agrostophyllum breviceps*** King & Pantl.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
10. ***Agrostophyllum caulosum*** Reichenb. f.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
11. ***Anoectochilus lanceolatus*** Lindl.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
12. ***Anthogonium gracile*** Lindl.  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
13. ***Arundina graminifolia*** (D. Don) Hochr.  
*Life form* : Undershrub.  
*Distribution* : Darjiling.
14. ***Bulbophyllum odoratissimum*** (Sm.) Lindl.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
15. ***Bulbophyllum reptans*** Lindl.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
16. ***Calanthe brevicorau*** Lindl.  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
17. ***Calanthe plantaginea*** Lindl.  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
18. ***Calanthe puberula*** Lindl.  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
19. ***Calanthe tricarinata*** Lindl.  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
20. ***Calanthe trulliformis*** King & Pantl.  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
21. ***Chiloschita usneoides*** (D. Don) Lindl.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
22. ***Coelogyne corymbosa*** Lindl.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
23. ***Coelogyne cristata*** Lindl.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
24. ***Coelogyne ochracea*** Lindl.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
25. ***Coelogyne stricta*** (D. Don) Schl.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
26. ***Cremastra appendiculata*** (D. Don) Makino  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
27. ***Dendrobium amoenum*** Wall. ex Lindl.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
28. ***Dendrobium hookerianum*** Lindl.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
29. ***Dendrobium longicornu*** Lindl.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
30. ***Dendrobium nobile*** Lindl.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
31. ***Dendrobium porphyrochillum*** Lindl.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
32. ***Diplomeris hirsuta*** Lindl.  
*Life form* : Geophyte.  
*Distribution* : Darjiling.

33. **Epigenium amplum** (Lindl.)  
Summerh.  
*Life form* : Epiphytic undershrub.  
*Distribution* : Darjiling.
34. **Epigenium rotundatum** (Lindl.)  
Summerh.  
*Life form* : Epiphytic undershrub.  
*Distribution* : Darjiling.
35. **Eria convalarioides** Lindl.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
36. **Eria coronaria** (Lindl.) Reichenb.f.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
37. **Eria excavata** Lindl. ex Hk.f.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
38. **Eria graminifolia** Lindl.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
39. **Galeola lindleyana** (Hook.f. & Thoms.) Reichenb. f.  
*Habitat* : Root parasite.  
*Distribution* : Darjiling.
40. **Gastrochilus calceolaris** (Sm.) D. Don  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
41. **Goodyera hemsleyana** King & Pantl.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
42. **Habenaria arietina** Hook. f.  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
43. **Herminium lanceum** (Thunb.) Vajik  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
44. **Herpysma longicaulis** Lindl. ex Wall.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
45. **Ione bicolor** Lindl.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
46. **Kingidium taenialis** (Lindl.) Hunt  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
47. **Liparis deflexa** Hook.f. var. **deflexa**  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
48. **Liparis deflexa** Hook.f. var. **breviscapa** A.P. Das & Chanda  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
49. **Liparis resupinata** Ridley  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
50. **Liparis tigerhillensis** A.P. Das & Chanda  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
51. **Malaxis acuminata** D. Don  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
52. **Malaxis muscifra** (Lindl.) Kuntze  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
53. **Nervilia macroglossa** (Hook.f.) Schlecht.  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
54. **Nervilla discolor** (Blume) Schltr. (1911)  
*Life form* : Geophyte.  
*Distribution* : Nadia.
55. **Nervilla plicata** (Andr.) Schltr.  
*Life form* : Geophyte.  
*Distribution* : Haora.
56. **Oreorchis micrantha** Lindl.  
*Life form* : Geophyte.  
*Distribution* : Darjiling.

57. **Otochilus albus** Lindl.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
58. **Otochilus porrectus** Lindl.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
59. **Peristylus aristatus** Lindl.  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
60. **Peristylus goodyeroides** (D. Don) Lindl.  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
61. **Platenthera biermaniana** (King & Pantl.) Krüz  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
62. **Platenthera clavigera** Lindl.  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
63. **Platenthera latilabris** Lindl.  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
64. **Pleone humilis** (Sm.) D. Don  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
65. **Pleone praecox** (Sm.) D. Don  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
66. **Satyrium nepalense** D. Don  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
67. **Spiranthes sinensia** (Pers.) Ames  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
68. **Vandopsis undulata** (Lindl.) J.J. Smith  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
69. **Zeuxine affine** Benth. ex Hook. f.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
70. **Zeuxine goodyeroides** Lindl.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
71. **Zeuxine strateumatica** (L.) Schltr. (1911)  
*Common Name* : Swethuli/Sadahuli.  
*Life form* : Terrestrial herb.  
*Habitat* : Occasional on moist shady localities in bamboo grooves.  
*Distribution* : Murshidabad (Lalbagh), Bankura (Manikchak), Haora (Andul), Nadia, North 24 Pgs., Hugli and North Dinajpur.
72. **Geodorum densiflorum** (Lam.) Schltr. (1919)  
*Life form* : Terrestrial herb.  
*Habitat* : Occasional in bamboo grooves under shade.  
*Distribution* : Murshidabad (Katgolarbagan), North 24 Pgs., Haora (Damjoor, Jagatballavpur), Hugli and Nadia (Tehatta).
73. **Eulophia graminea** Lindl. (1833)  
*Life form* : Terrestrial herb.  
*Habitat* : Occasional in forest areas.  
*Distribution* : Murshidabad, Maldah, Nadia and Hugli.
74. **Habenaria plantaginea** Lindl. (1835)  
*Life form* : Terrestrial slender herb.  
*Habitat* : Shade loving scrub jungle plant.  
*Distribution* : Murshidabad (Kashimbazar), Maldah, Haora, Nadia, Hugli, North 24 Pgs. and Medinipur.
75. **Rhynchostylis retusa** (L.) Bl. (1825)  
*Common name* : Fox tail orchid.  
*Life form* : Epiphytic herb.  
*Habitat* : On Samanea saman tree.  
*Distribution* : Jalpaiguri, Hugli, Koch Bihar, Bardhaman, North 24 Pgs., Maldah, Medinipur and Murshidabad (Baharampur).

76. **Vanda tessellata** (Roxb.) Lodd ex G.

Don (1832)

*Common name* : Rashna.*Life form* : Epiphytic herb.*Habitat* : Usually on *Mangifera indica*.*Distribution* : Murshidabad (Bhagawangola, Baranagar), Maldah (Altor, Kharba), Haora (Bagnan), Nadia, Jalpaiguri, Birbhum, Medinipur, North 24 Pgs., South 24 Pgs., Hugli, Barddhaman, North Dinajpur, South Dinajpur and Puruliya.77. **Vanda roxburghii** R. Br. (1820)*Life form* : Epiphytic herb.*Habitat* : Usually on *Mangifera indica*.*Distribution* : Murshidabad (Bhagawangola, Baranagar), Maldah (Altor, Kharba), Haora (Bagnan), Nadia, Jalpaiguri, Birbhum, Medinipur, North 24 Pgs., South 24 Pgs., Hugli, Barddhaman, North Dinajpur, South Dinajpur and Puruliya.78. **Didymoplexis pallens** Griff. (1844)*Life form* : Terrestrial.*Habitat* : Under shade of dense bamboo clumps & thickets.*Distribution* : Haora (Damjoor), Murshidabad, Hugli and Puruliya.**Family : Musaceae**79. **Musa paradisiaca** L. (1753)*Common name* : Kala.*Life form* : Tree with pseudostem ca. 15 m. tall.*Habitat* : Commonly cultivated in the villages.*Distribution* : Puruliya, Hugli, Nadia, South 24 Pgs., Maldah (Makdampr), Darjiling, Murshidabad (Baharampur & other places throughout the district), Birbhum, South Dinajpur, Koch Bihar, Medinipur, Haora (different parts of district), Bankura, North 24 Pgs., Barddhaman, Jalpaiguri and North Dinajpor.80. **Musa balbisiana** Colla*Life form* : Perennial herb.*Distribution* : Darjiling.

Family ZINGIBERACEAE

81. **Ammomum subulatum** Roxb.*Life form* : Geophyte.*Distribution* : Darjiling.82. **Alpinia calcarata** Rosc. (1807)*Life form* : Herb.*Habitat* : Cultivated in garden.*Distribution* : Darjiling, Koch Bihar and Jalpaiguri.83. **Curcuma aromatica** Salisb. (1805)*Distribution* : Maldah, Barddhaman, North Dinajpur, Haora, Darjiling, South Dinajpur, Medinipur, Hugli, Birbhum, Nadia, Maldah (Nakail), Murshidabad, North 24 Pgs., Jalpaiguri, South 24 Pgs., Koch Bihar and Bankura.84. **Costus speciosus** (Koenig) Smith (1791)*Life form* : Herb.*Habitat* : Shrubberies & vill. surroundings under shade.*Distribution* : Murshidabad (Bhabta, Kuli), Maldah (Chanchal), Haora (Uluberia), Nadia, Darjiling, Jalpaiguri, Koch Bihar, Medinipur, North 24 Pgs., Hugli, Barddhaman, South Dinajpur and Puruliya.85. **Cautleya gracilis** (Sm.) Dandy var. **gracilis***Life form* : Geophyte.*Distribution* : Darjiling.*Note* : Typical variety occurs in West Bengal.86. **Globba bulbifera** Roxb. (1810)*Life form* : Herb.*Habitat* : Damp shady banks of streamlets in hilly areas.*Distribution* : Darjiling and Jalpaiguri.87. **Globba bersceolata** Wall. ex Baker (1890)*Life form* : Herb.

*Habitat* : Shady moist places.

*Distribution* : Murshidabad (Bhagwangola), Maldah (Chanchal), Haora (Damjor, Thanamakua), Nadia, Jalpaiguri and Koch Bihar.

88. ***Globba hookerii*** C.B. Clarke

*Life form* : Geophyte.

*Distribution* : Darjiling.

89. ***Globba marantina*** L. (1771)

*Life form* : Herb.

*Habitat* : Shady banks.

*Distribution* : North 24 Pgs., Maldah (Nanachuni), Haora, Hugli, Nadia and Murshidabad (Sabjikatra, Lalbagh).

90. ***Hedychium acuminatum*** Roscoe

*Life form* : Geophyte.

*Distribution* : Darjiling.

91. ***Curcuma amada*** Roxb. (1810)

*Common name* : Am-ada.

*Life form* : Herb.

*Habitat* : Mostly cultivated.

*Distribution* : Maldah, Koch Bihar, Medinipur, Darjiling, Haora, North 24 Pgs., Hugli, Nadia (Banpur, Kalyani), Jalpaiguri and Murshidabad.

92. ***Curcuma domestica***

*Life form* : Herb.

*Habitat* : Shady places.

*Distribution* : North Dinajpur, Koch Bihar, South Dinajpur, Haora, South 24 Pgs., Barddhaman, Medinipur, Hugli, Puruliya, Maldah, Nadia, Birbhum, Jalpaiguri, North 24 Pgs., Bankura, Murshidabad and Darjiling.

93. ***Curcuma ardmatica*** Salisb. (1805)

*Common name* : Halud.

*Life form* : Large herb.

*Habitat* : Shady places of the hills.

*Distribution* : Murshidabad, Bankura, Maldah, Haora, Nadia, Darjiling, Jalpaiguri, Koch Bihar, Birbhum, Medinipur, North 24 Pgs., South 24 Pgs., Hugli, Barddhaman, South Dinajpur and North Dinajpur.

94. ***Roscoeia purpurea*** J.E. Smith var. ***auriculata*** (Schum.) Hara

*Life form* : Geophyte.

*Distribution* : Darjiling.

95. ***Zingiber capitatum*** Roxb. (1810)

*Common name* : Jangli ada.

*Life form* : Aromatic herb.

*Habitat* : In forest as an undergrowth & also on grass lands.

*Distribution* : Jalpaiguri and Darjiling.

96. ***Zingiber zerumbet*** (L.) Smith (1806)

*Common name* : Ban ada.

*Life form* : Herb., Stout herb.

*Habitat* : Shady wet places, Damp shady hilly forests.

*Distribution* : Hugli, Darjiling, Maldah, Haora (Damjor), Murshidabad (Lalbagh, Sarupnagar), Nadia and Jalpaiguri.

97. ***Zingiber officinale*** Roxb.

*Life form* : Herb.

*Habitat* : Shady places.

*Distribution* : Darjiling, Maldah, Nadia, Murshidabad, Puruliya, Koch Bihar, Barddhaman, South Dinajpur, Jalpaiguri, Medinipur, Bankura, Hugli, Birbhum, Haora, South 24 Pgs., North Dinajpur and North 24 Pgs.

Family CANNACEAE

98. ***Canna indica*** L. (1753)

*Common name* : Sarbajaya.

*Life form* : Perennial rhizomatous herb.

*Habitat* : Common garden plant, waste marshy places.

*Distribution* : North Dinajpur, Koch Bihar, South Dinajpur, Haora (Andul), South 24 Pgs., Barddhaman, Medinipur, Hugli, Puruliya, Maldah (Adina), Nadia, Birbhum, Jalpaiguri, North 24 Pgs., Bankura and Murshidabad (Saragachi).

99. ***Canna edulis*** Ker-Gawler (1817)

*Life form* : Geophyte.

*Distribution* : Darjiling.

100. *Canna indica* L.

*Life form* : Geophyte.

*Distribution* : Darjiling.

Family AMARYLLIDACEAE

101. *Crinum asiaticum* L. (1753)

*Common name* : Barakansm.

*Life form* : Bulbose herb.

*Habitat* : Common on muddy bank of ponds, canals.

*Distribution* : Maldah (Milki), Hugli, Birbhum, Jalpaiguri, Koch Bihar, Murshidabad (Baharampur), Nadia, North 24 Pgs., Medinipur, South 24 Pgs. and Haora (Kona, Bally, Damjoor, Uluberia.).

102. *Crinum defixum* Ker-Gawler (1817)

*Common name* : Sukh-darsan.

*Life form* : Bulbose herb.

*Habitat* : Margins of ponds, cultivated.

*Distribution* : Hugli, Murshidabad (Baharampur, Baranagar.), North 24 Pgs., Maldah and Haora (Kona, Bally, Damjoor, Uluberia).

103. *Zephyranthes carinata* Herb.

*Life form* : Geophyte.

*Distribution* : Darjiling.

104. *Zephyranthes citrims*

*Life form* : Herb.

*Habitat* : Cultivated.

*Distribution* : Darjiling and Jalpaiguri.

105. *Zephyranthes carinata*

*Life form* : Herb.

*Habitat* : Cultivated.

*Distribution* : Jalpaiguri and Darjiling.

106. *Pancratium zeylanicum*

*Life form* : Herb.

*Habitat* : Cultivated.

*Distribution* : Darjiling and Jalpaiguri.

Family TACCACEAE

107. *Tacca leontopetaloides* (L.)

O. Kuntz (1893)

*Life form* : Perennial herb.

*Habitat* : Among rocky ground of hilly forests.

*Distribution* : Murshidabad {Raigarh hill (Ranibandh)}.

Family DIOSCOREACEAE

108. *Dioscorea bulbifera* L. (1753)

*Common name* : Rat-alu.

*Life form* : Climber with bulbils.

*Habitat* : Common in scrub jungles & thickets.

*Distribution* : North 24 Pgs., Hugli, Murshidabad (Baharampur, Baranagar), Darjiling, Jalpaiguri, Koch Bihar, Maldah (Pakuya), Nadia and Haora (Chengail, Andul, Uluberia.).

109. *Dioscorea deltoidea* Wall. ex Griseb.  
var. *sikkimensis*

*Life form* : Climber.

*Distribution* : Darjiling and Maldah (Chanchal).

110. *Dioscorea esculenta* (Lour.) Burkill  
(1917)

*Common name* : Susni Alu.

*Life form* : Climber.

*Habitat* : Thicket near village.

*Distribution* : Murshidabad (Beldanga), Bankura, Maldah (Milki), Haora (Kona), South Dinajpur, North Dinajpur, North 24 Pgs., South 24 Pgs., Maldah, Nadia, Barddhaman, Hugli, Jalpaiguri and Koch Bihar.

111. *Dioscorea glabra* Roxb. (1832)

*Common name* : Shora alu.

*Life form* : Climber.

*Habitat* : Scrub jungle.

*Distribution* : Jalpaiguri, Maldah (Amriti), Puruliya, Haora (Andul), Koch Bihar, Murshidabad (Sabjikatra, Lalbagh, Azimgunge) and Darjiling.

112. *Dioscorea hispida* Dennst. (1818)

*Life form* : Climber.

*Habitat* : Hedge.

*Distribution* : South Dinajpur, Jalpaiguri, Koch Bihar, Murshidabad (Sarupnagar, Farakka), North 24 Pgs., North Dinajpur, Maldah, Nadia, Barddhaman, Hugli and Haora (Andul.).

113. *Dioscorea oppositifolia* L. (1753)

*Life form* : Large climber.

*Habitat* : Hedge.

*Distribution* : North Dinajpur, South Dinajpur, Puruliya, Nadia and Maldah (Gour).

114. *Dioscorea pentaphylla* L. (1753)

*Common name* : Kanta Alu.

*Life form* : Large twiner.

*Habitat* : Hedge and Scrub jungle.

*Distribution* : Maldah (Gobindapur, Sadullapur, Altor), Haora (Jagatballavpur, Chengail) and Puruliya.

115. *Dioscorea pubera* Blume (1827)

*Common name* : Kukur Alu.

*Life form* : Unarmed climber.

*Habitat* : In midst of scrub jungle.

*Distribution* : Maldah, North 24 Pgs., Murshidabad (Sabjikatra), Hugli, Barddhaman, South 24 Pgs., North Dinajpur, Nadia and South Dinajpur.

116. *Dioscorea belophylla* (Prain) Voigt  
ex Haines

*Life form* : Geophyte.

*Distribution* : Darjiling.

117. *Dioscorea bulbifera* L.

*Life form* : Geophyte.

*Distribution* : Darjiling.

118. *Dioscorea deltoidea* Wall. ex Kunth

*Life form* : Geophyte.

*Distribution* : Darjiling.

119. *Dioscorea kamoonsia* Kunth

*Life form* : Geophyte.

*Distribution* : Darjiling.

120. *Dioscorea prazeri* Prain

*Life form* : Geophyte.

*Distribution* : Darjiling.

Family HYPOXIDACEAE

121. *Curculigo orchioides* Gaertn. (1788)

*Life form* : Herb.

*Habitat* : Common in shady areas & pastures with moisture.

*Distribution* : Haora (Common throughout the district.), Nadia and Hugli.

Family LILIACEAE

122. *Allium cepa* L.

*Common name* : Piyaj.

*Life form* : Bulbose.

*Habitat* : Cultivated.

*Distribution* : Medinipur, Nadia, Koch Bihar, Maldah, South Dinajpur, Jalpaiguri, Hugli, North 24 Pgs., North Dinajpur, Haora, Birbhum, Puruliya, Murshidabad, South 24 Pgs., Bankura and Barddhaman.

123. *Allium sativum* L.

*Common name* : Lasun

*Life form* : Bulbose.

*Habitat* : Cultivated.

*Distribution* : Medinipur, Nadia, Maldah and Bankura.

124. *Asperagus racemosa* Willd. var.  
*javanicus* (Kunth) Baker (1875)

*Common name* : Satamuli.

*Life form* : Under shrub.

*Habitat* : Common.

*Distribution* : Murshidabad (Sarulia), Bankura, Maldah, Haora, Nadia, Birbhum, Medinipur, North 24 Pgs., South 24 Pgs., Puruliya, Hugli, Barddhaman, North Dinajpur and South Dinajpur.

125. *Asparagus griffithii* Baker

*Life form* : Undershrub.

*Distribution* : Darjiling.

126. *Asphodelus tenuifolius* Caven (1801)

*Life form* : Annual herb.

*Habitat* : Common.

*Distribution* : Murshidabad (Beldanga, Jibanti.), Maldah (Aatgama) and Nadia.



127. *Campylandra aurantiaca* (Wall.)  
Baker  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
128. *Cordyline australis* Hook. f.  
*Life form* : Tree.  
*Distribution* : Darjiling.
129. *Disporum calcaratum* Wall. ex D. Don  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
130. *Gloriosa superba* L. (1753)  
*Common name* : Bishalangali.  
*Life form* : Climber.  
*Habitat* : Shrubberies & hedges, waste places.  
*Distribution* : Maldah (Adina), Puruliya, Murshidabad (Lalbagh), North 24 Pgs., South Dinajpur, Hugli, Nadia, Barddhaman, Jalpaiguri, North Dinajpur, Birbhum, South 24 Pgs., Haora (Deulti), Koch Bihar and Medinipur.
131. *Dianella ensifolia* (L.) DC. (1802)  
*Life form* : Climber.  
*Distribution* : Hugli, North 24 Pgs. and Maldah (Eklakshmi).
132. *Hemerocallis fulva* L.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
133. *Ophiopogon clarkei* Hook.f.  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
134. *Ophiopogon intermedius* D. Don  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
135. *Ophiopogon parviflorus* (Hook. f.)  
Hara  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
136. *Paris polyphylla* Sm.  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
137. *Polygonatum cirrhifolium* (Wall.)  
Royle  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
138. *Polygonatum oppositifolium*  
(Wall.) Royle  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
139. *Polygonatum punctatum* Royle ex  
Kunth  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
140. *Sansuvieria roxberghiana* Schultes  
(1829)  
*Common name* : Suchi-mukhi, Murga.  
*Life form* : Herb, rootstock creeping.  
*Habitat* : Mostly cultivated or naturalized inshrubberies and village surroundings.  
*Distribution* : Murshidabad (Majjampur, Jiagunge), Maldah (Gour), Haora (Ulberia), Nadia, Jalpaiguri, Koch Bihar, Medinipur, North 24 pgs., South 24 Pgs., Hugli, Barddhaman, North Dinajpur, South Dinajpur and Puruliya.
141. *Tupistra clarkei* Hook. f.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
142. *Aloe vera*  
*Common name* : Ghritakumari.  
*Life form* : Herb.  
*Habitat* : Succulent, cultivated.  
*Distribution* : Maldah, Haora, North Dinajpur, Jalpaiguri, Murshidabad, Barddhaman, Puruliya, Birbhum, North 24 Pgs., South Dinajpur, Medinipur, Hugli, Nadia and South 24 Pgs.
- Family AGAVACEAE
143. *Agave angustifolia* Haw. (1812)  
*Common name* : Koya.  
*Life form* : Trunk stout, procumbent.  
*Habitat* : Prefers laterite soil.

*Distribution* : Murshidabad (Dadpur), Medinipur, Birbhum, Barddhaman, Hugli, North 24 Pgs., South 24 Pgs., North Dinajpur, Maldah (Amriti), Nadia and Haora.

144. *Agave vera-cruz* Mill.

*Common name* : Kongy.

*Life form* : Herb.

*Habitat* : Soil binder.

*Distribution* : North Dinajpur, Bankura, Barddhaman, Haora, Murshidabad, North 24 Pgs. and Medinipur.

Family SMILACACEAE

145. *Smilax perfoliata* Lour. (1790)

*Common name* : Kumarika.

*Life form* : Climber.

*Habitat* : Shrubberies & thickets.

*Distribution* : Medinipur, Hugli, Murshidabad (Farakka), Barddhaman, Nadia, Jalpaiguri, South 24 Pgs., North 24 Pgs., Maldah (Makdampur), Koch Bihar and Haora (Panpur, Dulagori, Makardah).

Family PONTEDERIACEAE

146. *Eichhornia crassipes* (Mart.) Solms (1883)

*Common name* : Kachuripana.

*Life form* : Floating aquatic with spreading stolons.

*Habitat* : Common in ponds causes eutrophication.

*Distribution* : Birbhum, North 24 Pgs., Nadia, South Dinajpur, Koch Bihar, Jalpaiguri, Murshidabad (Motijil, Chandpara), Barddhaman, South 24 Pgs., Medinipur, Maldah (Horishchandrapur), North Dinajpur, Hugli, Puruliya and Haora (Damjoor).

147. *Monochoria vaginata* (Burm. f.) Presl ex Kunth (1843)

*Life form* : Aquatic herb.

*Habitat* : Wet lands.

*Distribution* : Birbhum, Nadia, Hugli, North Dinajpur, Barddhaman, South Dinajpur, Koch

Bihar, Maldah, Murshidabad, Bankura, South 24 Pgs., Medinipur, North 24 Pgs., Puruliya, Haora and Jalpaiguri.

148. *Monochoria hastata* (L.) Solms (1883)

*Life form* : Marsh plant.

*Habitat* : Sides of canal.

*Distribution* : Murshidabad (Motijil, Chandpara beel), Maldah (Horischandrapur), Haora (Panchpara) and North Dinajpur.

Family COMMELINACEAE

149. *Amischotolype hookeri* (Hassk.)

Hara

*Life form* : Perennial herb.

*Distribution* : Darjiling.

150. *Aneilema scabarrimum* (Blume)

Kunth

*Life form* : Annual herb.

*Distribution* : Darjiling.

151. *Commelina beghalensis* L. (1753)

*Common name* : Kanchira.

*Life form* : Herb.

*Habitat* : Shady damp places.

*Distribution* : South 24 Pgs., Hugli, Murshidabad (Jiagunge, Murshidabad), North Dinajpur, Maldah (Sagardighi), Birbhum, Bankura, Medinipur, Jalpaiguri, Barddhaman, Haora (Baluhati.), Koch Bihar, South Dinajpur, Darjiling, North 24 Pgs., Nadia and Puruliya.

152. *Commelina diffusa* Burm. f. (1768)

*Life form* : Creepin or diffuse herb.

*Habitat* : Moist places.

*Distribution* : Koch Bihar, Nadia, North 24 Pgs., Medinipur, Barddhaman, Murshidabad (Khosbagh), Jalpaiguri, Birbhum, Haora (Bhakultala, Amta.), Maldah (Singhabad), Hugli, North Dinajpur, South Dinajpur and South 24 Pgs.

153. *Commelina erecta* L. (1753)

*Common name* : Jata kanchira.

*Life form* : Erect or suberect Herb.

*Habitat* : Not very common.

*Distribution* : Maldah (Sagar Dighi) and Murshidabad (Kandi, Sarulia).

154. ***Commelina longifolia*** Lam. (1791)

*Common name* : Pani kanchira.

*Life form* : Diffuse spreading herb.

*Habitat* : Not very common in ditches & other moist places.

*Distribution* : Haora (Mourigram, Kulgachia, Amtha) and Murshidabad (Jadupur, Dadpur).

155. ***Commelina paludosa*** Blume (1827)

*Common name* : Jata kanchira.

*Life form* : Stout herb.

*Habitat* : Common.

*Distribution* : Hugli, Murshidabad (Baranagar, Dhulian.) and Nadia.

156. ***Commelina cristata*** (L.) D. Don (1825)

*Life form* : Herb, stem creeping.

*Habitat* : Moist shady places.

*Distribution* : Medinipur and Murshidabad (Jadupur, Jalangi).

157. ***Cyanotis cristata*** (L.) Schult. (1830)

*Life form* : Herb, stem creeping below.

*Habitat* : Moist ground, dilapidated walls.

*Distribution* : Nadia, Bardhaman, North Dinajpur, Maldah (Adina) and Haora (Amta.).

158. ***Cyanotis vaga*** (Lour.) J.R. & G. Forster

*Life form* : Perennial herb.

*Distribution* : Darjiling.

159. ***Amischophacelus axillaris*** (L.)

R. S. Rao & Kammathy (1966)

*Common name* : Baghanula.

*Life form* : Annual diffuse herb.

*Habitat* : Marshy, swampy places.

*Distribution* : Murshidabad (Kandi, Jalangi), Maldah (Goindapur, Adina, Chanpur), Haora (Baluhati, Horishpur) and Nadia.

160. ***Floscopa scandens*** Lour.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

161. ***Murdannia nudiflora*** (L.) Brenan (1952)

*Common name* : Kanduli.

*Life form* : Annual herb.

*Habitat* : Shady marshy places.

*Distribution* : Koch Bihar, Puruliya, Birbhum, South Dinajpur, Jalpaiguri, Bardhaman, Hugli, Nadia, Haora (Dakshinmaju, Ranihat), Murshidabad (Kandi, Sarupnagar), South 24 Pgs., North 24 Pgs., Medinipur, Darjiling, North Dinajpur and Maldah (Roypur, Golapgunge, Panchanandapur).

162. ***Murdannia spirata*** (L.) Bruckner (1930)

*Life form* : Profusely branched herb.

*Habitat* : Shady marshy places, paddy fields bunds with grasses.

*Distribution* : Nadia, Maldah (Eklakshmi), Haora (Baluhati, Horishpur) and Murshidabad (Baranagar, Bhabta).

163. ***Streptolirion volubile*** Edgw.

*Life form* : Climber-annual.

*Distribution* : Darjiling.

Family FLAGELLARIACEAE

164. ***Flagellaria indica*** L. (1753)

*Life form* : Herb.

*Habitat* : Sides of the swamps.

*Distribution* : Murshidabad (Beldanga.) and Haora (Chengail.).

Family XYRIDACEAE

165. ***Xyris pauciflora*** Willd. (1794)

*Life form* : Tufted annual.

*Habitat* : Occasional, marshy places; wet paddy fields.

*Distribution* : Murshidabad (Saragachi.).

Family PALMAE (ARECACEAE)

166. ***Borassus flabellifer*** L. (1753)

*Common name* : Tal.

*Life form* : Unbranched tree.

*Habitat* : Common.

*Distribution* : Medinipur, South 24 Pgs., Maldah (Pakur), North 24 Pgs., Bankura, Kolkata, Murshidabad (Chhiruti, Kuli), Birbhum, Haora (very often planted), Barddhaman and Hugli.

167. ***Calamus fasciculatus*** Roxb. (1832)

*Life form* : Stout tufted ratten, with climbing stem.

*Habitat* : Common in jungle.

*Distribution* : Maldah (Milki), Jalpaiguri, Koch Bihar, Murshidabad and Darjiling.

168. ***Phoenix sylvestris*** (L.) Roxb. (1832)

*Common name* : Khejur.

*Life form* : Unbranched tree.

*Habitat* : Common & planted.

*Distribution* : Murshidabad (Bhagwangola), Hugli, South 24 Pgs., Maldah (Pakur), Haora (Wild in drier parts of district), Medinipur, Bankura, Birbhum, Nadia, North 24 Pgs. and Barddhaman.

169. ***Plectocomia himalayana*** Griff.

*Life form* : Shrubby climber.

*Distribution* : Darjiling.

170. ***Trachycarpus martianus*** (Wall.)  
Wendl.

*Life form* : Tree.

*Distribution* : Darjiling.

171. ***Corypha umbraculifera***

*Common name* : Narikel, Dab.

*Life form* : Unbranched tree.

*Habitat* : Cultivated in garden.

*Distribution* : Jalpaiguri and Darjiling.

172. ***Corypha utans***

*Common name* : Narikel, Dab.

*Life form* : Unbranched tree.

*Habitat* : Cultivated in garden.

*Distribution* : Darjiling and Jalpaiguri.

173. ***Roystonea regia***

*Common name* : Narikel, Dab.

*Life form* : Unbranched tree.

*Habitat* : Cultivated in garden.

*Distribution* : Darjiling and Jalpaiguri.

174. ***Cocos nucifera***

*Common name* : Narikel, Dab.

*Life form* : Unbranched tree.

*Habitat* : Cultivated in garden.

*Distribution* : Darjiling, Jalpaiguri and Kolkata.

175. ***Caryota mitis***

*Common name* : Narikel, Dab.

*Life form* : Unbranched tree.

*Habitat* : Cultivated in garden.

*Distribution* : Jalpaiguri and Darjiling.

Family TYPHACEAE

176. ***Typha domingensis*** Pers. (1807)

*Common name* : Hogla.

*Life form* : Marshy aquatic herb.

*Habitat* : Common in marshes.

*Distribution* : Hugli, Haora (Andul), North 24 Pgs., Nadia, Murshidabad (Motijil, Chandpara beel), South 24 Pgs., Jalpaiguri, Maldah (Pakuya), Medinipur, Koch Bihar, North Dinajpur and Barddhaman.

Family ARACEAE

177. ***Arisaema condinum*** Schott

*Life form* : Geophyte.

*Distribution* : Darjiling.

178. ***Arisaema consanguinatum*** Schott

*Life form* : Geophyte.

*Distribution* : Darjiling.

179. ***Arisaema costatum*** (Wall.) Mart.

*Life form* : Geophyte.

*Distribution* : Darjiling.

180. ***Arisaema griffithii*** Schott

*Life form* : Geophyte.

*Distribution* : Darjiling.

181. ***Arisaema speciosum*** (Wall.) Mart  
var. ***speciosum***

*Life form* : Geophyte.

*Distribution* : Darjiling.

182. *Arisaema speciosum* (Wall.) Mart  
var. *mirabile* (Schott) Hara  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
183. *Arisaema tortuosum* (Wall.) Schott  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
184. *Gonatanthus ornatus* Schott  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
185. *Gonatanthus pumilus* (D. Don)  
Engler  
*Life form* : Geophyte.  
*Distribution* : Darjiling.
186. *Lasia spinosa* (L.) Thw. (1864)  
*Life form* : Aquatic herb.  
*Habitat* : Swampy areas.  
*Distribution* : Hugli, Nadia, Murshidabad,  
North 24 Pgs., Maldah and Haora (Dafarpur).
187. *Alocasia fornicata* (Roxb.) Schott  
(1854)  
*Common name* : Salukachu.  
*Life form* : Herb.  
*Habitat* : shady damp places.  
*Distribution* : Murshidabad (Baranagar,  
Krishnapur), Maldah (Makdampur), Hugli and  
Barddhaman.
188. *Alocasia macrorrhiza* (L.) G. Don  
(1839)  
*Common name* : Mankachu.  
*Life form* : Stout herb.  
*Habitat* : Common in dampy places.  
*Distribution* : Maldah (Makdampur), Nadia,  
North 24 Pgs. and Murshidabad (Kuli, Kandi).
189. *Amorphophallus bulbifer* (Roxb.)  
Blume (1837)  
*Common name* : Amlabela.  
*Life form* : Tuberous herb.  
*Habitat* : Common along railway tracts &  
shrubberies.
- Distribution* : Jalpaiguri, South 24 Pgs.,  
Medinipur, Barddhaman, North Dinajpur, Koch  
Bihar, Hugli, Haora (Damjoor, Andul), Nadia,  
Murshidabad (Bhagawangola), Maldah (Milki)  
and North 24 Pgs.
190. *Amorphophallus campanulatus*  
(Roxb.) Blume ex Decne. (1835)  
*Life form* : Tuberous herb.  
*Habitat* : Common along railway tracts &  
shrubberies.  
*Distribution* : Puruliya, Haora (Damjoor,  
Andul.) and Nadia.
191. *Amorphophallus paeoniifolius*  
(Dennst.) Nicolson (1977)  
*Common name* : Ol.  
*Life form* : Herb.  
*Habitat* : Escape in rural areas.  
*Distribution* : Murshidabad (Bhabta), Maldah  
(Makdampur), Hugli and Barddhaman.
192. *Colocasia esculenta* Schott (1832)  
*Common name* : Kachu.  
*Life form* : Stout herb.  
*Habitat* : Damp places.  
*Distribution* : Nadia, Murshidabad  
(Baharampur, Dadpur), South 24 Pgs. and  
Haora (Belgachia).
193. *Pistia stratiotes* L. (1753)  
*Common name* : Khudipana.  
*Life form* : Floating herb.  
*Habitat* : Common in ponds choking the  
waterbodies.  
*Distribution* : Birbhum, Hugli, Barddhaman,  
North Dinajpur, Murshidabad (Motijil, Jalangi),  
Haora (Abundant in the dist. Wetlands),  
Medinipur, Jalpaiguri, Maldah, North 24 Pgs.,  
South Dinajpur, Nadia, South 24 Pgs., Puruliya  
and Koch Bihar.
194. *Pothos cathcartii* Schott  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.

195. ***Scindapsus officinalis*** (Roxb.) Schott  
(1832)

*Common name* : Gajpipul.

*Life form* : Large epiphytic climber.

*Habitat* : Not very common.

*Distribution* : Koch Bihar, Haora, Nadia, Maldah (Adina), Medinipur, Puruliya, South 24 Pgs., Murshidabad (Baranagar, Sarulia), North 24 Pgs. and Hugli.

196. ***Typhonium flagelliforme*** (Lodd.)  
Blume (1835)

*Life form* : Stemless tuberous herb.

*Habitat* : Sides of ponds, water courses & shady places.

*Distribution* : Haora (Deulti, Amta, Bargachia), Murshidabad (Beldanga) and Maldah (Gour).

197. ***Typhonium cuspidatum*** Decaisne  
(1834)

*Life form* : Herb.

*Habitat* : Near water bodies.

*Distribution* : Nadia (Mohanpur).

198. ***Typhonium trilobatum*** (L.) Schott  
(1834)

*Common name* : Ghatkanchu.

*Life form* : Tuberous herb.

*Habitat* : Common in shady places in thickets near hedges.

*Distribution* : Murshidabad, Maldah (Makdampur), Haora (Damjoor, Panpur) and Nadia.

199. ***Typhonium trilobatum*** var.  
***schottii*** (Prain) Engler (1920)

*Life form* : Herb.

*Habitat* : Not very common.

*Distribution* : Nadia, Maldah (Gour), North 24 Pgs., Medinipur, Murshidabad (Jiagunge) and Haora (Belgachia).

200. ***Cryptocoryne ciliata*** (Roxb.) Fisch.  
ex Wydler (1830)

*Life form* : Herb.

*Habitat* : At the ponds, ditches, water courses.

*Distribution* : Nadia, Hugli and Haora (Panchpara, Chengail).

201. ***Cryptocoryne retrospiralis*** Fisch.  
ex Wydler (1830)

*Life form* : Herb.

*Habitat* : Plenty along the river banks.

*Distribution* : North 24 Pgs., Nadia (Kalikapur, abundant along river, near the railway bridge) and Murshidabad.

202. ***Remusatia hookeriana*** Schott

*Life form* : Geophyte.

*Distribution* : Darjiling.

203. ***Rhaphidophora glauca*** (Wall.)  
Schott

*Life form* : Shrubby climber.

*Distribution* : Darjiling.

204. ***Richardia africana*** Kunth

*Life form* : Geophyte.

*Distribution* : Darjiling.

Family LEMNACEAE

205. ***Lemna perpusilla*** Torrey (1843)

*Life form* : Aquatic herb.

*Habitat* : In ponds, lakes & rice fields.

*Distribution* : Medinipur, North Dinajpur, Puruliya, Koch Bihar, Maldah, Bardhaman, Murshidabad (Bhabta), Nadia, Haora (common as a mass in stagnant water in the dist. Wetlands), Birbhum, South 24 Pgs., South Dinajpur, North 24 Pgs., Hugli and Jalpaiguri.

206. ***Lemna trisulca*** L. (1753)

*Life form* : Aquatic herb.

*Habitat* : Wetlands.

*Distribution* : Nadia.

207. ***Spirodela polyrhiza*** (L.) Schleiden  
(1839)

*Life form* : Aquatic herb.

*Habitat* : Common in ponds.

*Distribution* : Maldah, Haora (Mourigram), Nadia, Medinipur, North 24 Pgs., South 24 Pgs. and Hugli.

208. ***Wolffia arrhiza*** (L.) Wimmer (1857)

*Life form* : Aquatic herb.

*Habitat* : Abundant in tanks & ditches as granular mass.

*Distribution* : Haora (Andul), Maldah, North 24 Pgs., Nadia, Puruliya and Hugli.

Family ALISMATACEAE

209. ***Caldesia parnassifolia*** (Bassi ex L.) Parl. (1856)

*Life form* : Aquatic herb.

*Habitat* : At the edge of ponds.

*Distribution* : Hugli, Nadia (Kalyani), Murshidabad (Bhagawangola) and North 24 Pgs.

210. ***Caldesia oligococca*** F. V. Mudl. Buch. (1882)

*Life form* : Aquatic herb.

*Habitat* : Pond margin.

*Distribution* : North 24 Pgs., Nadia, Haora and South 24 Pgs.

211. ***Sagittaria sagittifolia*** L. (1753)

*Life form* : Stoloniferous aquatic herb.

*Habitat* : In river, ponds and marshy places.

*Distribution* : Murshidabad (Jiaganj, Azimgange), Haora and Nadia.

212. ***Sagittaria guyanensis*** Kunth ssp. *lappula* (D. Don) Bogin (1955)

*Life form* : Aquatic herb, leaves floating.

*Habitat* : Common in ponds & marshy places.

*Distribution* : Murshidabad (Chandpara beel), Maldah (Eklakshmi) and Puruliya.

213. ***Sagittaria montevidensis*** Sam. & Schlecht.

*Life form* : Semiaquatic herb.

*Habitat* : River banks, shallow wet lands.

*Distribution* : Haora, Hugli, North 24 Pgs., North Dinajpur, South Dinajpur and Nadia.

214. ***Limnophyton obtusifolium*** (L.) Miq. (1855)

*Life form* : Aquatic herb.

*Habitat* : Wetlands.

*Distribution* : Haora and Nadia.

Family POTAMOGETONACEAE

215. ***Potamogeton crispus*** L. (1753)

*Life form* : Submerged herb.

*Habitat* : Common in ponds, lakes, rivulets.

*Distribution* : Haora, Murshidabad (Chandpara beel, Jiagunge), Hugli, Nadia, Medinipur, South 24 Pgs. and North 24 Pgs.

216. ***Potamogeton nodosus*** Poir. (1816)

*Life form* : Aquatic herb.

*Habitat* : Submerged with floating leaves.

*Distribution* : Murshidabad (Chandpara beel), Haora, South 24 Pgs. and North 24 Pgs.

217. ***Potamogeton octandrus*** Poir. (1816)

*Life form* : Slender herb.

*Habitat* : Common in ponds, ditches.

*Distribution* : Murshidabad (Lalbagh) and Haora.

218. ***Potamogeton pectinatus*** L. (1753)

*Life form* : Aquatic herb.

*Habitat* : Ponds, ditches.

*Distribution* : Maldah (Panchanandapur) and Nadia.

Family NAJADACEAE

219. ***Najas graminea*** Del. (1813)

*Life form* : Submerged herbs.

*Habitat* : Common in ponds, ditches.

*Distribution* : North Dinajpur, South Dinajpur, Maldah, North 24 Pgs., Haora (Uluberia), Nadia, Hugli, Puruliya and Murshidabad (Bhagawangola).

Family BUTOMACEAE

220. ***Butomopsis latifolia*** (D. Don) Kunth (1841)

*Life form* : Aquatic herb.

*Habitat* : Lakes & ponds.

*Distribution* : Maldah (Kayar beel), Haora, North 24 Pgs., South 24 Pgs. and Hugli.

Family APONOGETONACEAE

221. ***Aponogeton undulatus*** Roxb. (1832)

*Life form* : Submerged herb.

*Habitat* : Common in ponds, ditches.

*Distribution* : North 24 Pgs., Nadia, Maldah (Chanchal), Hugli, Barddhaman, South 24 Pgs., Medinipur, Haora, North Dinajpur and Murshidabad (Kandi).

222. ***Aponogeton appendiculatus***  
Bruggen (1968)

*Life form* : Submerged herb.

*Habitat* : Ponds & ditches.

*Distribution* : Nadia, Koch Bihar, Barddhaman, Haora, Hugli, Birbhum, North 24 Pgs., North Dinajpur and Medinipur.

223. ***Aponogeton natans*** (L.) Engler et  
Krause (1906)

*Life form* : Submerged herb.

*Habitat* : common in pond and ditches.

*Distribution* : Murshidabad (Lalbagh, Baranagar), Maldah, Haora (Jagatballavpur), Nadia, South 24 Pgs. and South Dinajpur.

Family ERIOCAULACEAE

224. ***Eriocaulon elenorae*** Fyson (1921)

*Life form* : Herb.

*Habitat* : Not common, in paddy fields, swampy areas.

*Distribution* : Hugli, Birbhum, Maldah (Nakail), Jalpaiguri, Barddhaman, North 24 Pgs., Haora (Horishpur), North Dinajpur, Puruliya, South 24 Pgs., Koch Bihar, Murshidabad (Lalgola), Nadia, Medinipur and South Dinajpur.

225. ***Eriocaulon gracile*** Mart. (1832)

*Life form* : Herb.

*Habitat* : Paddy fields or in marshy zones.

*Distribution* : Murshidabad, Koch Bihar, South 24 Pgs., North Dinajpur, Jalpaiguri, Haora (Kona), Nadia, Hugli, North 24 Pgs., Birbhum, Maldah, Barddhaman and Medinipur.

226. ***Eriocaulon odoratum*** Dalz. (1851)

*Life form* : Herb.

*Habitat* : Common in moist harvested paddy fields & swamps.

*Distribution* : Nadia, Haora (Horishpur) and Murshidabad (Baharampur, Lalgola).

227. ***Eriocaulon quinquangulare*** L. (1753)

*Life form* : Annual herb.

*Habitat* : Common in river beds, paddy fields.

*Distribution* : Murshidabad (Baranagar, Bhagawangola) and Haora.

228. ***Eriocaulon redactum*** Ruhland (1903)

*Life form* : Very small herb.

*Habitat* : Common in paddy fields.

*Distribution* : Koch Bihar, Jalpaiguri, Murshidabad (Khosbagh), Haora (Horishpur), Barddhaman, Puruliya and Nadia.

229. ***Eriocaulon sollyanum*** Royle (1830)

*Life form* : Herb.

*Habitat* : Common in swampy areas and paddy fields.

*Distribution* : Murshidabad (Bhagawangola) and Haora (Horishpur).

230. ***Eriocaulon truncatum*** Ham. (1832)

*Life form* : Annual herb.

*Habitat* : Common in wet ground under shade.

*Distribution* : Murshidabad (Jiagunge).

Family TYPHACEAE

231. ***Typha angustata*** Bory & Chaub. (1832)

*Life form* : Aquatic herb.

*Habitat* : Common in marshes, swamps.

*Distribution* : Puruliya, Haora (Andul) and Nadia.

Family PANDANACEAE

232. ***Pandanus foetidus*** Roxb. (1832)

*Life form* : Dense bushy shrubs.

*Habitat* : Planted or naturalized in hedges.

*Distribution* : Haora (Chengail, Abada, Uluberia).



## Family CYPERACEAE

233. ***Bolboschoenus maritimus*** (L.) Palla  
(1904)

*Life form* : Herb.

*Habitat* : Occasional.

*Distribution* : Koch Bihar, Haora, Jalpaiguri, Maldah (Altor), Medinipur and Birbhum.

234. ***Bulbostylis barbata*** (Rottb.) Kunth  
ex C.B. Clarke (1893)

*Life form* : Tufted annual, herb.

*Habitat* : Damp places.

*Distribution* : Haora, South 24 Pgs., Birbhum, Murshidabad (Kuli, Dhulian, Lalgola), Maldah, Koch Bihar, North 24 Pgs., Medinipur, Darjiling and Nadia.

235. ***Bulbostylis densa*** (Wall. ex Roxb.)  
Hand-maz. ex Kersi & Schenk

*Life form* : Annual herb.

*Distribution* : Darjiling.

236. ***Carex aristata*** D. Don ex Tilloch. &  
Taylor (1823)

*Life form* : Tall herb.

*Habitat* : Swamp places.

*Distribution* : Murshidabad, Maldah (Muchia), Haora, Nadia, Jalpaiguri, Koch Bihar, Medinipur, North 24 Pgs., South 24 Pgs., Hugli, Barddhaman and North Dinajpur.

237. ***Carex baccans*** Nees ex Wight.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

238. ***Carex cyperoides*** (L.) O. Kuntze

*Life form* : Perennial herb.

*Distribution* : Darjiling.

239. ***Carex filicina*** Nees ex Wight.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

240. ***Carex inanis*** Kunth

*Life form* : Perennial herb.

*Distribution* : Darjiling.

241. ***Carex insignis*** Boott

*Life form* : Perennial herb.

*Distribution* : Darjiling.

242. ***Carex japonica*** Thunb.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

243. ***Carex longipes*** D. Don

*Life form* : Perennial herb.

*Distribution* : Darjiling.

244. ***Carex nubigena*** D. Don

*Life form* : Perennial herb.

*Distribution* : Darjiling.

245. ***Carex recemosa*** Schk.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

246. ***Carex setigera*** D. Don

*Life form* : Perennial herb.

*Distribution* : Darjiling.

247. ***Carex spiculata*** var ***nobilis***

*Life form* : Perennial herb.

*Distribution* : Darjiling.

248. ***Carex tumida*** Boott

*Life form* : Perennial herb.

*Distribution* : Darjiling.

249. ***Carex vesiculosa*** Boott

*Life form* : Perennial herb.

*Distribution* : Darjiling.

250. ***Carex cyperoides*** (L.) Kuntze

*Life form* : Perennial herb.

*Distribution* : Darjiling.

251. ***Cyperus alopecuroides*** Rottb. (1773)

*Life form* : Robust perennial.

*Habitat* : Rarely found in same habitat as *C. exalatus*

*Distribution* : Nadia, Haora (Belgachia, Deulti), Puruliya, Maldah (Chandipur, Sadullapur), South Dinajpur, North Dinajpur and Murshidabad (Lalbagh, Bhagawangola).

252. ***Cyperus alternifolius*** L. (1771)

*Life form* : Herb.

*Distribution* : Nadia, Haora and Maldah (Chandipur).

253. ***Cyperus exaltatus*** Retz. (1789)

*Life form* : Robust herb.

*Habitat* : Along the margins of canals or ponds.

*Distribution* : Nadia, Medinipur, South 24 Pgs., North 24 Pgs. and Haora (Abada, Amta).

254. ***Cyperus castaneus*** Willd. (1797)

*Life form* : Tufted annual.

*Habitat* : Not very common.

*Distribution* : Murshidabad (Lalbagh, Jiagunge, Bhagawangola) and Nadia.

255. ***Cyperus compactus*** Retz. (1789)

*Life form* : Herb.

*Habitat* : Not very common.

*Distribution* : Nadia, Maldah (Sadullapur) and Haora.

256. ***Cyperus compressus*** L. (1753)

*Common name* : Chuncha.

*Life form* : Annual herb.

*Habitat* : Common in rainy season, in summer found near water.

*Distribution* : Nadia, Maldah (Altor, Goyalpara), Murshidabad (Jiagunge, Kuli), Puruliya and Haora (Dakshinmaju, Padmapukur, Andul).

257. ***Cyperus corymbosus*** Rottb. (1773)

*Common name* : Gotamethi.

*Life form* : Herb. Rhizome creeping.

*Habitat* : Very common in ditches.

*Distribution* : Hugli, Nadia, Barddhaman, Haora (Chengail), Murshidabad (Jadupur, Sarupnagar) and North Dinajpur.

258. ***Cyperus tenuispica*** Steud. (1855)

*Life form* : Annual.

*Habitat* : Marshy, as a weed of paddy fields.

*Distribution* : Haora (Jagatballavpur, Horishpur) and Hugli.

259. ***Cyperus difformis*** L. (1756)

*Common name* : Behua.

*Life form* : Annual tufted herb.

*Habitat* : Common in marshes, as a weed of paddy fields.

*Distribution* : Murshidabad (Lalbagh, Baranagar), Maldah (Muchia, Krishtapur), Haora (Uluberia, Panchla), Nadia, Medinipur, North 24 Pgs., North Dinajpur and South Dinajpur.

260. ***Cyperus digitatus*** Roxb. (1820)

*Life form* : Robust perennial.

*Habitat* : Sides of ponds.

*Distribution* : Haora (Amta, Andul) and Murshidabad (Farakka).

261. ***Cyperus distans*** L. (1781)

*Common name* : Paniinalanga.

*Life form* : Herb. Rhizome bulbous.

*Habitat* : Occasional on the sides of ponds or rivers.

*Distribution* : Murshidabad (Rejinagar), Haora (Dakshinmaju), North Dinajpur, South Dinajpur, Nadia, Hugli, Barddhaman, Birbhum, Koch Bihar, Jalpaiguri and Puruliya.

262. ***Cyperus dives*** Del. (1813)

*Life form* : Short perennial.

*Habitat* : Rarely found in same *Habitat* as that of *C. exaltatus*.

*Distribution* : Hugli, Haora (Andul, Dafarpur), South 24 Pgs., Murshidabad (Rejinagar) and North 24 Pgs.

263. ***Cyperus esculentus*** L. (1753)

*Life form* : Herb.

*Habitat* : Occasional on road sides.

*Distribution* : Hugli, North Dinajpur, Puruliya, South Dinajpur and Murshidabad (Jiagunge).

264. ***Cyperus imbricatus*** Retz. (1789)

*Common name* : Berethi.

*Life form* : Herb.

*Habitat* : Common in ponds, ditches.

*Distribution* : Haora (Kona, Panchpara, Belgachia), Murshidabad (Kuli, Majjampur, Sabjikatra, Kandi) and Nadia.

265. ***Cyperus iria*** L. (1753)

*Common name* : Barachuncha.

*Life form* : Annual.

*Habitat* : Common in ditches.

*Distribution* : Murshidabad (Majjampur, Bhabta), Hugli, South 24 Pgs., Haora (Bargachia, Dakshinmaju), Maldah (Pakuya, Bamangola), North 24 Pgs. and Nadia.

266. ***Cyperus leucocephalus*** Retz. (1789)

*Life form* : Herb.

*Distribution* : Haora, Maldah (Nakail), Nadia, North 24 Pgs., Hugli and Nadia.

267. ***Cyperus malccensis*** Lam. (1791)

*Life form* : Creeping herb.

*Habitat* : Occasional in marshy places.

*Distribution* : Murshidabad (Bhabta) and Haora (Amta, Mourigram).

268. ***Cyperus michelianus*** (L.) Link (1827)

*Common name* : Chhotagothuli.

*Life form* : Densely tufted herb.

*Habitat* : Common in paddy fields.

*Distribution* : Haora (Damjoor, Padmapukur) and Murshidabad (Jadupur, Motijil, Rejinagar).

269. ***Cyperus michelianus*** sp.  
***pygmaeus*** (Rottb.) Aschers. & Graebn.  
(1903)

*Life form* : Herb.

*Habitat* : Common in paddy fields.

*Distribution* : Haora (Panchpara), Murshidabad, Maldah, North 24 Pgs., Nadia and Medinipur.

270. ***Cyperus nutans*** Vahl (1836)

*Life form* : Herb.

*Habitat* : Less common by the sides of river, ponds, ditches or as a weed of paddy fields.

*Distribution* : Murshidabad (Farakha), Haora (Panchapara), Nadia and Puruliya.

271. ***Cyperus platystylis*** R. Br. (1771)

*Life form* : Herb.

*Distribution* : Murshidabad and Maldah (Muchia).

272. ***Cyperus pygmaeus*** Rottb. (1773)

*Common name* : Jalmuti.

*Life form* : Herb.

*Habitat* : Waste places.

*Distribution* : South 24 Pgs., Medinipur, Haora and Maldah (Nakail).

273. ***Cyperus rotundus*** L. (1753)

*Common name* : Motha.

*Life form* : Perennial herb. Stolon slender.

*Habitat* : Common. Highly adaptiv in any habitat. Dry soil to submarshy.

*Distribution* : Nadia, Murshidabad (Kuli, Beldanga, Baharampur), Maldah (Amriti, Muchia), Haora (Bakultala, Chengail, Salap, Dakshinmaju, Abada, Bargachia) and Bankura.

274. ***Cyperus triceps*** (Rottb.) Endl. (1842)

*Life form* : Tufted herb.

*Habitat* : Wastelands in grass.

*Distribution* : Nadia and Haora (Bakultala).

275. ***Cyperus brevifolius*** (Rottb.) Hassk.  
(1844)

*Life form* : Herb, stem multiple.

*Habitat* : Sides of water flows & on paddy fields.

*Distribution* : Haora (Padmapukur, Amta), Medinipur, Nadia, South 24 Pgs. and North 24 Pgs.

276. ***Cyperus kyllingia*** Endl. (1842)

*Life form* : Herb.

*Habitat* : Found everywhere, prefers damp soil.

*Distribution* : Murshidabad, Bankura, Maldah, Haora (Chengail), Nadia, Jalpaiguri, Koch Bihar, Birbhum, Medinipur, North 24

Pgs., South 24 Pgs., Hugli, Barddhaman, North Dinajpur, South Dinajpur and Puruliya.

277. ***Cyperus leucocephalus*** Retz. (1789)

*Life form* : Herb.

*Distribution* : Haora, Hugli, Maldah (Nakail), North 24 Pgs. and Nadia.

278. ***Cyperus tenuispica*** Steud. (1855)

*Life form* : Perennial herb.

*Habitat* : Common in marshy places.

*Distribution* : Murshidabad (Jadupur, Krishnapur), Bankura, Maldah (Gobindapur), Haora, Nadia, North Dinajpur, South Dinajpur and Puruliya.

279. ***Cyperus turgidulus*** C.B. Clarke (1884)

*Life form* : Herb.

*Habitat* : Rare.

*Distribution* : Hugli, Nadia and Maldah (Nakail).

280. ***Cyperus squarrosus*** L. (1756)

*Life form* : Tufted annual.

*Habitat* : Damp places along with grassy patches.

*Distribution* : Haora (Uluberia), Barddhaman, Hugli, Jalpaiguri, Birbhum, Koch Bihar and Nadia.

281. ***Cyperus javanicus*** Houtt. (1782)

*Life form* : Perennial herb.

*Habitat* : Margin of ponds & channels.

*Distribution* : Maldah, Haora (Uluberia) and Nadia.

282. ***Cyperus paniceus*** (Rottb.) Boeck.  
(1870)

*Life form* : Herb.

*Habitat* : Damp places under shade.

*Distribution* : Haora (Dafarpur) and Nadia.

283. ***Cyperus cyperinus*** (Retz.) Valck.-  
Sur. (1898)

*Life form* : Herb without stolon.

*Habitat* : Margin of ponds & channels.

*Distribution* : Haora (Bargachia), Nadia, Hugli and Barddhaman.

284. ***Cyperus sanguinolentus*** Vahl (1806)

*Life form* : Tufted herb.

*Habitat* : Dry situation.

*Distribution* : Haora (Horishpur), Medinipur and North 24 Pgs.

285. ***Cyperus pumilus*** L. (1756)

*Life form* : Caespitose annual.

*Habitat* : Paddy fields bunds, banks of ponds & water courses.

*Distribution* : Nadia, South 24 Pgs. and Haora (Panchpara, Jagadishpur).

286. ***Cyperus polystachyos*** Rottb. (1773)

*Life form* : Tufted herb.

*Habitat* : Along margins of ponds, sides of paddy fields.

*Distribution* : Haora (Deulti, Amta), North Dinajpur, South Dinajpur and Puruliya.

287. ***Eleocharis dulcis*** (Brurm. f.) Trin. ex  
Henschel (1833)

*Common name* : Chenchka.

*Life form* : Herb.

*Habitat* : Common in ditches.

*Distribution* : Haora (Amta), Nadia, Koch Bihar, South 24 Pgs., Hugli and Puruliya.

288. ***Eleocharis geniculata*** (L.) Roem. &  
Schult.

*Life form* : Herb.

*Habitat* : Common in dry paddy fields.

*Distribution* : Nadia, Murshidabad (Motijil, Rejinagar), Haora (Uluberia) and Maldah (Golapgunge).

289. ***Eleocharis palustris*** (L.) R. Br. (1810)

*Life form* : Herb.

*Habitat* : Shallow ponds.

*Distribution* : Haora, Nadia, Maldah (Muchia), Medinipur and Birbhum.

290. ***Eleocharis retroflexa*** (Poir.) Urb.  
(1900)

*Life form* : Densely tufted herb.

*Habitat* : Not very common.

*Distribution* : Medinipur, Hugli, South 24 Pgs., Murshidabad (Azimgunge), North Dinajpur, Haora (Horishpur, Syampur; very rare in rest of the district), North 24 Pgs., Barddhaman and Puruliya.

291. *Fimbristylis aestivalis* (Retz.) Vahl  
(1806)

*Life form* : Herb.

*Habitat* : Common on the bank of ponds.

*Distribution* : Hugli, Koch Bihar, North 24 Pgs., Nadia, Puruliya, Medinipur, Birbhum, Haora (Damjoor, Kulgachia, Bargachia) and Murshidabad (Kandi, Farakka, Dadpur, Krishnapur).

292. *Fimbristylis bisumbellata* (Forssk.)  
Bubani (1850)

*Life form* : Annual herb.

*Habitat* : Common in dry ditches or in paddy fields.

*Distribution* : South 24 Pgs., South Dinajpur, Murshidabad (Kuli, Farakka, Kandi), Birbhum, Maldah (Kayer beel, Amgamtala), Medinipur, Hugli, North Dinajpur, Haora (Damjoor, Panpur, Panchpara), Puruliya and Barddhaman.

293. *Fimbristylis complanata* (Retz.)  
Link (1827)

*Life form* : Herb.

*Habitat* : Common in paddy fields along streams.

*Distribution* : Murshidabad (Katgolarbagan, Jiagunge, Azimgunge) and Haora (Mourigram, Panchpara).

294. *Fimbristylis alboxiridis* C.B. Clarke  
(1893)

*Life form* : Herb.

*Habitat* : Along railway lines, in bushes & shrubberies.

*Distribution* : Nadia, Haora (Dakshinmaju, Padmapukur), South 24 Pgs., Puruliya, Barddhaman, Medinipur, Hugli and North 24 Pgs.

295. *Fimbristylis cymosa* R. Br. (1810)

*Life form* : Herb.

*Habitat* : Along water coarse margins.

*Distribution* : Haora (Deulti), Nadia, Medinipur, North 24 Pgs. and Barddhaman.

296. *Fimbristylis dichotoma* (L.) Vahl  
(1806)

*Common name* : Baranirbishi.

*Life form* : Perennial herb with short rootstock.

*Habitat* : Common near water coarses.

*Distribution* : Birbhum, Darjiling, Barddhaman, Nadia, Murshidabad (Jiagunge, Dadpur, Beldanga), Hugli, Koch Bihar, South 24 Pgs. and Maldah (Muchia beel, Kotuyali).

297. *Fimbristylis ferruginea* (L.) Vahl  
(1806)

*Life form* : Herb.

*Habitat* : Not very common. Sides of ponds.

*Distribution* : Maldah (Kaliachak) and Murshidabad (Baranagar, Kandi), Haora (Chengail, Alampur) and Nadia.

298. *Fimbristylis miliacea* (L.) Vahl  
(1806)

*Common name* : Bar Javani.

*Life form* : Annual herb.

*Habitat* : Common on side of ditches.

*Distribution* : Nadia, Maldah, Haora (Mourigram, Amta, Padmapukur), Murshidabad (Jadupur, Farakka), Haora and Nadia.

299. *Fimbristylis ovata* (Burm. f.) Kern  
(1967)

*Common name* : Marmari.

*Life form* : Densely tufted annual.

*Habitat* : Common in wet places.

*Distribution* : Haora (Deulti) and Murshidabad (Jiabanti).

300. *Fimbristylis polytrichoides* (Retz.)  
Vahl (1806)

*Common name* : Talnaru.

- Life form* : Densely tufted herb.  
*Distribution* : Murshidabad (Jalangi, Beldanga).
301. ***Fimbristylis polytrichoides*** (Retz.) R. Br. (1810)  
*Life form* : Densely tufted annual.  
*Habitat* : Common in wet places.  
*Distribution* : Maldah, Haora (Ranihati, Alampur) and Nadia.
302. ***Fimbristylis barbata*** (Rottb.) Benth. (1878)  
*Life form* : Tufted diffuse annual.  
*Habitat* : Damp places.  
*Distribution* : Haora (Mourigram, Padmapukur), Nadia, North 24 Pgs. and South 24 Pgs.
303. ***Lipocarpa shacelata*** (Vahl) Kunth (1837)  
*Life form* : Annual.  
*Habitat* : Found in clayey moist areas.  
*Distribution* : Nadia, Haora (Horishpur), Birbhum, Medinipur and North 24 Pgs.
304. ***Fuirena ciliaris*** (L.) Roxb. (1820)  
*Common name* : Bandkola.  
*Life form* : Hairy annual.  
*Habitat* : Occasional in moist fields.  
*Distribution* : Murshidabad (Farraka), Haora (Horishpur), Nadia, Koch Bihar, Birbhum, Medinipur, North 24 Pgs., South 24 Pgs., Hugli, Barddhaman, North Dinajpur, South Dinajpur and Puruliya.
305. ***Kyllinga brevifolia*** Rottb. (1773)  
*Life form* : Stoloniferous herb.  
*Habitat* : Common along the bunds of paddy fields.  
*Distribution* : Murshidabad (Baharampur, Khosbagh, Beldanga), Maldah, Nadia, Hugli, Puruliya, Haora and South 24 Pgs.
306. ***Kyllinga bulbosa*** Beauv. (1804)  
*Life form* : Herb  
*Distribution* : Maldah (Adina).
307. ***Kyllinga nemoralis*** (J. R. & G. Forster) Dandy ex Hutch. & Dalziel (1936)  
*Common name* : Swetgothubi.  
*Life form* : Annual herb.  
*Habitat* : Common in damp situation.  
*Distribution* : Haora, Nadia, North 24 Pgs., Darjiling, Hugli, South 24 Pgs., Maldah (Nakail) and Murshidabad (Kunjaghata, Krishnapur).
308. ***Kyllinga triceps*** Rottb. (1773)  
*Life form* : Stoloniferous tufted herb.  
*Habitat* : Common in waste lands.  
*Distribution* : Maldah, Nadia, Haora, Barddhaman, Jalpaiguri, Murshidabad (Lalbagh, Jiagunge, Azimgunge), Puruliya, North 24 Pgs., South 24 Pgs., Hugli, Koch Bihar, North Dinajpur and South Dinajpur.
309. ***Mariscus aristatus*** (Rottb.) Tang & Wang (1961)  
*Life form* : Small annual.  
*Habitat* : Common in moist places.  
*Distribution* : Haora, Koch Bihar, Murshidabad (Jiagunge), Nadia, Jalpaiguri, Medinipur, North 24 Pgs. and Maldah.
310. ***Mariscus cyperinus*** (Retz.) Vahl (1806)  
*Life form* : Herb.  
*Habitat* : Less common in damp places.  
*Distribution* : Nadia and Murshidabad (Jangipur, Jiagunge, Krishnapur).
311. ***Mariscus javanicus*** (Houttuyn) Merrill & Metcalfe (1945)  
*Common name* : Halaiya.  
*Life form* : Perennial herb.  
*Habitat* : Banks of ponds.  
*Distribution* : Murshidabad (Sargachi), Haora, North 24 Pgs., Hugli and Nadia.
312. ***Mariscus paniceus*** (Rottb.) Vahl (1806)  
*Life form* : Perennial.  
*Habitat* : Damp places.  
*Distribution* : Murshidabad (Beldanga).

313. ***Pycreus polystachyos*** (Rottb.)  
Beauv. (1807)  
*Life form* : Herb.  
*Habitat* : Common along sides of bunds of paddy fields.  
*Distribution* : Murshidabad (Kunjaghata, Samlia, Sargachi, Kandi), South 24 Pgs., Medinipur, Haora, Nadia, North 24 Pgs. and Puruliya.
314. ***Pycreus pumilis*** (L.) Nees ex C.  
B. Clarke (1893)  
*Life form* : Caespitose annual.  
*Habitat* : Less common in bunds of paddy fields.  
*Distribution* : South 24 Pgs., North 24 Pgs., Murshidabad (Jangipur, Majjampur, Jiagunge) and Maldah (Gobindapur).
315. ***Pycreus sanguinolentus*** (Vahl)  
Nees ex C.B. Clarke (1893)  
*Life form* : Creeping herb.  
*Habitat* : Not very common in damp places.  
*Distribution* : Murshidabad (Lalbagh, Sarupnagar).
316. ***Rikliella squarrosa*** (L.) J. Raynal (1973)  
*Common name* : Guri.  
*Life form* : Slender tufted annual.  
*Habitat* : Common in ponds.  
*Distribution* : Maldah (Nakail), Birbhum, Barddhaman, South Dinajpur, North Dinajpur, Hugli, Murshidabad (Kuli, Lalgola, Azimgunge, Bhabta), South 24 Pgs., Nadia, Puruliya and North 24 Pgs.
317. ***Schoenoplectus articulatus*** (L.)  
Palla (1889)  
*Common name* : Chatpati.  
*Life form* : Annual herb.  
*Habitat* : Common in ditches. Sarupnagar, Krishnapur.  
*Distribution* : Haora, Maldah (Eklakshmi, Makdampur), Medinipur, North 24 Pgs., Hugli, Nadia and South 24 Pgs.
318. ***Schoenoplectus grossus*** (L. f.) Palla  
(1911)  
*Common name* : Barakeshuria.  
*Life form* : Herb.  
*Habitat* : Common in marshes.  
*Distribution* : Murshidabad (Sarulia; Sarupnagar), Barddhaman, North 24 Pgs., South Dinajpur, Nadia, Medinipur, South 24 Pgs., Haora, North Dinajpur and Birbhum.
319. ***Schoenoplectus supinus*** (L.) Palla  
(1888)  
*Life form* : Tufted annual.  
*Habitat* : Common in ponds.  
*Distribution* : Murshidabad (Kunjaghata, Khosbagh).
320. ***Scirpus squarrosus*** L. (1771)  
*Life form* : Slender tufted annual.  
*Habitat* : Marshy lands.  
*Distribution* : South 24 Pgs., North 24 Pgs., Nadia and Haora (Horishpur).
321. ***Scirpus articulatus*** L. (1753)  
*Life form* : Densely tufted annual.  
*Habitat* : Aquatic/semi aquatic.  
*Distribution* : Haora (Deulti), Nadia and Maldah.
322. ***Scirpus quinquefarius*** Ham. ex C. B.  
Clarke (1893)  
*Life form* : Herb.  
*Habitat* : Rare.  
*Distribution* : Maldah (Eklakshmi) and Haora.
323. ***Scirpus supinus*** L. var. *lateriflorus*  
(Gmelin) Koyama (1958)  
*Life form* : Tufted annual.  
*Habitat* : Associated with *S. squarrosus*.  
*Distribution* : Haora (Uluberia), Nadia and Hugli.
324. ***Scirpus grossus*** L. f. (1781)  
*Life form* : Herb.

*Habitat* : Common in marshes; with *Typha* sp.

*Distribution* : Maldah, Haora (Abada), Jalpaiguri and Koch Bihar.

325. ***Schoenoplectus grossus*** (L. f.) Palla  
(1911)

*Common name* : Barakeshuria.

*Life form* : Herb, rootstock stout.

*Habitat* : Common in marshy area.

*Distribution* : Bardhaman, North 24 Pgs., South Dinajpur, Nadia, Medinipur, South 24 Pgs., Haora, North Dinajpur and Birbhum.

326. ***Schoenoplectus lateriflorus*** (J. Gmelin) Lye (1971)

*Life form* : Annual, stem tufted.

*Habitat* : Common in ponds.

*Distribution* : Bardhaman, North Dinajpur, South Dinajpur, Hugli, Murshidabad (Kunjaghata, Khosbagh), Maldah (Bamangola, Kaliachak), Puruliya and Darjiling.

327. ***Scleria biflora*** Roxb. (1832)

*Life form* : Herb.

*Habitat* : Rare.

*Distribution* : Hugli, Bardhaman, Koch Bihar, Puruliya, Haora, South 24 Pgs., North Dinajpur, Birbhum, Maldah (Retuya), Jalpaiguri and South Dinajpur.

Family GRAMINEAE (POACEAE)

328. ***Agrostis gigantia*** Roth

*Life form* : Annual herb.

*Distribution* : Darjiling.

329. ***Agrostis myriantha*** Hook. f.

*Life form* : Annual herb.

*Distribution* : Darjiling.

330. ***Agrostis odoratum*** L.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

331. ***Anthoxanthum hookerii*** (Griseb.)  
Rendle

*Life form* : Perennial herb.

*Distribution* : Darjiling.

332. ***Apluda mutica*** L. (1753)

*Common name* : Chunkarki.

*Life form* : Perennial.

*Habitat* : Common along river banks & shrubberies.

*Distribution* : Kolkata, South Dinajpur, Birbhum, Haora (Andul, Ranihat, Panchpara, Panchla), Hugli, Medinipur, Nadia, Bardhaman, Koch Bihar, North 24 Pgs., North Dinajpur, Murshidabad (Baranagar, Lalbagh, Khosbagh), Puruliya, Maldah (Manickchak), South 24 Pgs. and Jalpaiguri.

333. ***Arundinaria hookeriana*** Munro

*Life form* : Shrub.

*Distribution* : Darjiling.

334. ***Arundinaria intermedia*** Munro

*Life form* : Shrub.

*Distribution* : Darjiling.

335. ***Arundinaria maling*** Gamble

*Life form* : Shrub.

*Distribution* : Darjiling.

336. ***Arundinaria polystachya*** Kurz ex  
Gamble

*Life form* : Shrub.

*Distribution* : Darjiling.

337. ***Arundinella hookeri*** Munro ex Keng

*Life form* : Perennial herb.

*Distribution* : Darjiling.

338. ***Arundo donax*** L. (1753)

*Life form* : Herb.

*Habitat* : Along margin of ditches.

*Distribution* : Hugli, Kolkata, Nadia, South Dinajpur, North 24 Pgs., South 24 Pgs., Birbhum, Murshidabad, Maldah (Manickchak), Puruliya, Koch Bihar, North Dinajpur, Jalpaiguri, Medinipur and Haora (Dulagori).

339. ***Aristida adscensionis*** L. (1753)

*Life form* : Rare herb.

*Habitat* : Dilapidated walls, dry lands.



*Distribution* : Kolkata, Maldah, Haora (Andul, Abada, Uluberia), Nadia, Jalpaiguri, Koch Bihar, Medinipur, North 24 Pgs., South 24 Pgs. and Hugli.

340. ***Axonopus compressus*** (Sw.) P. Beauv.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

341. ***Bambusa arundinacea*** (Retz.)  
Willd. (1799)

*Life form* : Tree.

*Distribution* : Kolkata, Maldah (Bhutni), Haora, Nadia, Jalpaiguri, Koch Bihar, Medinipur, North 24 Pgs., South 24 Pgs. and Hugli.

342. ***Brachiaria ramosa*** (L.) Stapf (1919)

*Life form* : Annual.

*Distribution* : Kolkata, Maldah (Retuya), Haora (Mourigram, Bargachia), Medinipur, North 24 Pgs., South 24 Pgs. and Hugli.

343. ***Brachiaria mutica*** (Forssk.) Stapf  
(1919)

*Life form* : Aquatic/Marsh perennial.

*Habitat* : Marshes, ditches or in ponds.

*Distribution* : Jalpaiguri, South Dinajpur, Birbhum, North 24 Pgs., North Dinajpur, Hugli, Haora (Mourigram, Abada), Barddhaman, Medinipur, Koch Bihar and Nadia.

344. ***Brachiaria distachya*** (L.) Stapf (1919)

*Life form* : Herb.

*Habitat* : Waste lands & as weed. Damp, shady places.

*Distribution* : Haora (Andul).

345. ***Brachiaria reptans*** (L.) Stapf. &  
Hubb. (1938)

*Common name* : Chhotajalganti.

*Life form* : Slender annual.

*Habitat* : Common in cult. lands. Along paddy fields bunds, bank of canals, under shade.

*Distribution* : Haora (Dakshinmaju, Panchpara), Nadia and Darjiling.

346. ***Calamogrostis emodensis*** Griseb

*Life form* : Perennial herb.

*Distribution* : Darjiling.

347. ***Capillipedium assimile*** (Steud.) A.  
Camus

*Life form* : Undershrub.

*Distribution* : Darjiling.

348. ***Chloris barbata*** Sw. (1797)

*Life form* : Annual/Perennial. Mesophytic grass.

*Distribution* : Murshidabad (Bhagawangola, Kandi), Maldah (Adina) and Haora (Bally, Padmapukur).

349. ***Chrysopogan aciculatus*** (Retz.)  
Trin. (1820)

*Common name* : Chorakanta.

*Life form* : Mesophytic soil binding herb with creeping rhizome.

*Habitat* : Common along the meadows.

*Distribution* : Haora (Panchpara), Murshidabad (Sabjikatra, Jadupur, Bhagawangola, Sarulia) and Maldah (Sadullapur).

350. ***Coix gigantea*** Koenigex Roxb. (1832)

*Common name* : Dangagurgar/Sada-kunch.

*Life form* : Perennial.

*Habitat* : Common in marshy places along banks of watercoarces.

*Distribution* : Maldah (Bhutni, Gobindapur), Murshidabad (Sabjikatra, Baranagar, Jalangi) Nadia and Haora (Horishpur, Daferpur, Amta).

351. ***Coix lachryma-jobi*** L.

*Life form* : Annual herb.

*Distribution* : Darjiling.

352. ***Cymbopogon citratus*** (DC.) Stapf.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

353. ***Crypsis schoenoides*** (L.) Lam. (1791)

*Life form* : Perennial herb.

*Distribution* : Maldah (Aatgama).

354. ***Cynodon barberi*** Ranga. & Tadulingam (1916)

*Life form* : Perennial.

*Habitat* : Same Habitat as that of *C. dactylon*.

*Distribution* : Barddhaman, Kolkata, Hugli, Haora (Mourigram, Uluberia, Shyampur, Damjoor), South 24 Pgs., North 24 Pgs., Maldah, Nadia, South Dinajpur and Medinipur.

355. ***Cynodon dactylon*** (L.) Pers. (1805)

*Common name* : Durba.

*Life form* : Perennial with creeping rhizome.

*Distribution* : Birbhum, Bankura, Barddhaman, Kolkata, South 24 Pgs., North 24 Pgs., Haora, Hugli, Nadia, Puruliya, Murshidabad, Koch Bihar, Maldah, Darjiling, North Dinajpur, South Dinajpur and Jalpaiguri.

356. ***Cyrtococcum patens*** (L.) A. Camus

*Life form* : Perennial.

*Habitat* : Not very commonly found in river banks.

*Distribution* : Birbhum, South 24 Pgs., Haora (Dulagori, Chengail, Uluberia, Abada), Hugli, Murshidabad (Kayanpur, Bhagawangola), Koch Bihar, Maldah (Raypur) and Jalpaiguri.

357. ***Cyrtococcum trigonum*** (L.) A. Camus (1921)

*Life form* : Perennial.

*Habitat* : Along river sides.

*Distribution* : Haora (Panchpara, Dulagori).

358. ***Dactylis glomerata*** L.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

359. ***Dactylectenium aegyptium*** (L.) Willd. (1809)

*Common name* : Makra.

*Life form* : Herb.

*Habitat* : Common in sandy grassy places. Highly adaptive grass.

*Distribution* : Birbhum, Bankura, Barddhaman, Kolkata, South 24 Pgs., North 24

Pgs., Haora (Haora Maidan), Hugli, Nadia, Puruliya, Murshidabad, Koch Bihar, Maldah (Raypur), Darjiling, North Dinajpur, South Dinajpur and Jalpaiguri.

360. ***Desmostachya bipinnata*** (L.) Stapf (1900)

*Common name* : Kusha.

*Life form* : Herb.

*Distribution* : Kolkata, Murshidabad, Medinipur, North 24 Pgs., Nadia, Maldah (Boyalhari, Adina), Jalpaiguri, Hugli, South 24 Pgs., Puruliya, Birbhum, North Dinajpur, Haora, Barddhaman and Koch Bihar.

361. ***Dichanthium annulatum*** (Forst.) Stapf (1917)

*Life form* : Perennial.

*Habitat* : Thickets & hedges.

*Distribution* : Murshidabad, Medinipur, North 24 Pgs., Nadia, Maldah (Muchia), Jalpaiguri, Hugli, South 24 Pgs., Puruliya, Birbhum, North Dinajpur, Haora (Mourigram), Barddhaman, Koch Bihar and Kolkata.

362. ***Desmostachya caricosum*** (L.) A. Camus (1921)

*Common name* : Detara.

*Life form* : Perennial.

*Habitat* : Common.

*Distribution* : South 24 Pgs., Nadia, Barddhaman, Haora (Mourigram, Ranihati, Panchla) and Murshidabad (Baharampur, Jadupur, Baranagar, Sarupnagar).

363. ***Digitaria bicornis*** (Lam.) Roem. (1817)

*Life form* : Perennial.

*Habitat* : Occasional on the edge of water courses.

*Distribution* : Medinipur, North 24 Pgs., Nadia, Maldah, Jalpaiguri, Hugli, South 24 Pgs., Haora and Koch Bihar.

364. ***Digitaria ciliaris*** (Retz.) Koeler (1802)

*Common name* : Makur-jali

*Life form* : Annual herb.

*Habitat* : Common in pasture.

*Distribution* : Maldah (Adina), Haora (Damjoor, Padmapukur, Kona, Andul), Birbhum, Barddhaman, North Dinajpur and Darjiling.

365. ***Digitaria longiflora*** (Retz.) Pers. (1805)

*Life form* : Annual.

*Habitat* : Common in pasture.

*Distribution* : Nadia, Darjiling, Haora (Munsirhat) and Murshidabad (Sabjikatra, Farakka, Kandi).

366. ***Digitaria cruciata*** (Nees ex Steud.) A. Camus (1922)

*Life form* : Annual herb.

*Habitat* : Tufted.

*Distribution* : Haora (Andul), Nadia, Hugli, Barddhaman and Darjiling.

367. ***Digitaria stricta*** Roth ex Roem. (1817)

*Life form* : Tufted annual.

*Habitat* : Not common in harvested paddy fields.

*Distribution* : Darjiling, Maldah, Haora (Horishpur, Dulagori), Nadia, Koch Bihar, Birbhum, North 24 Pgs. and South 24 Pgs.

368. ***Digitaria tinorensis*** (Kunth) Bal. (1890)

*Life form* : Annual.

*Habitat* : Pasture & weed in garden.

*Distribution* : Koch Bihar, Haora (Damjoor, Dakshinmaju, Horishpur), Jalpaiguri, Barddhaman, Hugli and Birbhum.

369. ***Dendrocalamus hamiltonii***

Ness & Am

*Life form* : Tree.

*Distribution* : Darjiling.

370. ***Dendrocalamus sikkimensis*** Gamble

*Life form* : Shrub.

*Distribution* : Darjiling.

371. ***Digitaria violascens*** Link

*Life form* : Annual herb.

*Distribution* : Darjiling.

372. ***Eleusine coracana*** (L.) Gaertn.

*Life form* : Annual herb.

*Distribution* : Darjiling.

373. ***Eragrostris diarrhena*** (Schult.) Steud.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

374. ***Eragrostris gangetica*** (Roxb.) Steud.

*Life form* : Annual herb.

*Distribution* : Darjiling.

375. ***Eragrostris nigra*** Nees ex Steud.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

376. ***Erianthus rufipilus*** (Steud.) Griseb.

*Life form* : Epiphytic shrub.

*Distribution* : Darjiling.

377. ***Eriochloa procera*** (Retz.) Hubbard (1930)

*Life form* : Tufted grass.

*Habitat* : Submarshy or other damp places.

*Distribution* : North 24 Pgs., Kolkata, North Dinajpur, Medinipur, Darjiling, Nadia, Haora (Mourigram, Burgachia, Salap, Chengail), South Dinajpur and Birbhum.

378. ***Echinochloa colonum*** (L.) Link. (1833) Shama

*Life form* : Annual.

*Habitat* : Common in paddy fields.

*Distribution* : Kolkata, Murshidabad (Lalkuthi, Chandpara, Sabjikatra), Maldah (Balupur), Haora (Damjoor, Chengail, Salap, Bhakultala, Dakshinmaju, Panchpara), Darjiling and North 24 Pgs.

379. ***Echinochloa crus-gallis*** (L.) P. Beauv. (1812)

*Common name* : Bara Shama.

*Life form* : Annual.

*Habitat* : Common along marshes, ponds.

*Distribution* : Murshidabad (Lalkuthi, Kandi, Sarulia), Maldah (Milki) and Haora (Maniktola, Uluberia).

380. *Echinochloa crus-galli* var. *breviseta* (Doell) Neilr. (1960)  
*Life form* : Annual.  
*Habitat* : Common along marshes, ponds.  
*Distribution* : Haora (Andul).
381. *Echinochloa frumentacea* (Roxb.) Link (1827)  
*Life form* : Annual.  
*Distribution* : Maldah (Bhutni).
382. *Echinochloa stagnia* (Retz.) P. Beauv. (1812)  
*Common name* : Bara sham.  
*Life form* : Annual/perennial.  
*Habitat* : Rarely found on margins of ditches or semi-aquatic.  
*Distribution* : Haora (Andul).
383. *Eragrostis coarctata* Stapf (1896)  
*Life form* : Tufted perennial.  
*Habitat* : Rare in dry areas.  
*Distribution* : Murshidabad (Jibanti), Haora (Horishpur, Amta, Bagnan), Maldah and Nadia.
384. *Eragrostis gangetica* (Roxb.) Steud. (1854)  
*Life form* : Herb.  
*Habitat* : Along river banks.  
*Distribution* : Nadia, South 24 Pgs., Kolkata, Murshidabad (Farakka, Lalgola), Hugli, Maldah (Diyara), North 24 Pgs. and Haora (Dakshinmaju, Munshirhat).
385. *Eragrostis japonica* (Thunb.) Trin. (1830)  
*Life form* : Tufted herb.  
*Habitat* : Common.  
*Distribution* : Haora, Murshidabad (Lalbagh, Beldanga, Bhabta) and Nadia.
386. *Eragrostis minor* Host (1809)  
*Life form* : Annual.  
*Habitat* : Along river banks.  
*Distribution* : Nadia, North 24 Pgs., Kolkata, Medinipur, Birbhum and Murshidabad (Baharampur, Motijil).
387. *Eragrostis nutans* (Retz.) Nees. ex Steud. (1840)  
*Common name* : Tanjiniya.  
*Life form* : Tufted annual.  
*Habitat* : Common in grassy patches.  
*Distribution* : Barddhaman, Kolkata, Nadia, North 24 Pgs., Medinipur, Bankura, South Dinajpur, Maldah (Balupur), Haora (Horishpur), North Dinajpur and Murshidabad (Lalbagh, Jalangi).
388. *Eragrostis tenella* (L.) P. Beauv. ex Roem. & Schult. (1817)  
*Life form* : Tufted annual.  
*Distribution* : Haora (Gestkeen, Kona), Maldah (Sadullapur, Makdampur), Murshidabad (Sabjikatra, Baharampur, Sarupnagar) and Puruliya.
389. *Eragrostis unioides* (Retz.) Nees ex Steud. (1854)  
*Common name* : Koni.  
*Life form* : Annual.  
*Habitat* : Less common in dry places.  
*Distribution* : Murshidabad (Lalbagh, Khosbagh), Maldah (Karjadanga), Haora (Jagatballavpur, Baluhati) and Nadia.
390. *Eragrostis viscosa* (Retz.) Trin. (1830)  
*Life form* : Annual.  
*Habitat* : Common.  
*Distribution* : Haora (Jagatballavpur, Dakshinmaju, Abada), Nadia, Puruliya, Murshidabad (Kunjaghata, Lalkuthi, Azimgunge, Kandi), Bankura and Maldah.
391. *Eragrostis poaeoides* P. Beauv. (1812)  
*Life form* : Tufted annual.  
*Distribution* : Kolkata, Nadia, Haora, North 24 Pgs. and Hugli.
392. *Eragrostis pilosa* (L.) P. Beauv. (1812)  
*Life form* : Tufted annual.

*Habitat* : Grassy patches, along river-banks & at the sides of railway.

*Distribution* : Kolkata, North 24 Pgs., North Dinajpur, Nadia, Haora (Haora Maidan), Medinipur and Hugli.

393. *Eragrostis diarrhena* (Schult.) Steud. (1854)

*Life form* : Perennial.

*Habitat* : Common.

*Distribution* : South Dinajpur, North Dinajpur, Haora (Mourigram, Amta), Nadia, Birbhum, Puruliya and Bardhaman.

394. *Eleusine indica* (L.) Gaertner (1788)

*Life form* : Herb.

*Distribution* : Jalpaiguri, South 24 Pgs., Bardhaman, Kolkata, North 24 Pgs., Birbhum, Medinipur, Bankura, Hugli, North Dinajpur, Nadia, Maldah (Manickchak), Murshidabad, South Dinajpur, Darjiling, Puruliya, Koch Bihar and Haora.

395. *Elytrophorus spicatus* (Willd.) A. Camus (1923)

*Life form* : Herb.

*Distribution* : Maldah (Jagannathpur) and Haora.

396. *Festuca gigantea* (L.) Vill.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

397. *Festuca leptopogon* Stapf.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

398. *Festuca polycolia* Stapf.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

399. *Garnotia acutigluma* (Steud.) Ohwi

*Life form* : Perennial herb.

*Distribution* : Darjiling.

400. *Glyceria tonglensis* C.B. Clarke

*Life form* : Perennial herb.

*Distribution* : Darjiling.

401. *Hemasthria compressa* (L. f.) R. Br. (1810)

*Life form* : Herb.

*Habitat* : Common along the water courses.

*Distribution* : Kolkata, Murshidabad (Sabjikatra, Kandi, Lalgola, Sargachi), Maldah, Haora (Andul, Ranihati, Panchpara, Panchla), Nadia, Jalpaiguri, Koch Bihar, North 24 Pgs., South 24 Pgs., North Dinajpur and South Dinajpur.

402. *Hemasthria prostensa* Nees ex Steud. (1854)

*Common name* : Baksa.

*Life form* : Herb.

*Distribution* : Haora (Abada, Deulti), Jalpaiguri, Puruliya, Koch Bihar, South Dinajpur, North Dinajpur and Murshidabad (Baharampur, Jiagunge, Lalbagh, Sarulia).

403. *Holcus lanatus* L.

*Life form* : Annual herb.

*Distribution* : Darjiling.

404. *Hordeum vulgare* L. (1753)

*Common name* : Jab, Barley.

*Life form* : Herb.

*Distribution* : Maldah (Kotayali) and Haora.

405. *Hygroryza aristata* (Retz.) Nees ex Wight (1833)

*Common name* : Jangli dal.

*Life form* : Herb.

*Distribution* : Maldah (Singhabad, Malia), North 24 Pgs. and South 24 Pgs.

406. *Hymenachne pseudointerrupta* C. Muell. (1861)

*Life form* : Herb.

*Distribution* : Maldah (Hat river beel), Jalpaiguri, Koch Bihar, Hugli, Bardhaman, North Dinajpur and South Dinajpur.

407. *Imperata cylindrica* (L.) Raeuschel (1797)

*Life form* : Herb.

*Distribution* : Jalpaiguri, North Dinajpur, Maldah (Altora), South Dinajpur and Darjiling.

408. ***Isachne globosa*** (Thunb.) O. Kuntze.  
(1891)  
*Life form* : Herb.  
*Habitat* : Common.  
*Distribution* : Hugli, Darjiling, Bankura, Puruliya, Barddhaman, Jalpaiguri, Kolkata, South 24 Pgs., Birbhum, Koch Bihar, North 24 Pgs., Haora, Medinipur, South Dinajpur, Nadia, North Dinajpur, Murshidabad and Maldah (Bhutni).
409. ***Isachne albens*** Trin.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
410. ***Ischaemum rugosum*** Salisb. (1791)  
*Common name* : Morako.  
*Life form* : Tufted annual.  
*Habitat* : Not very common, along edges & bunds of rice fields.  
*Distribution* : Kolkata, Puruliya, Murshidabad (Kandi, Chhiruti, Beldanga), Barddhaman, Haora (Horishpur, Sympur), Maldah (Gobindapur), North 24 Pgs., Medinipur and South Dinajpur.
411. ***Leersia hexandra*** Sw. (1788)  
*Life form* : Aquatic marshy perennial.  
*Habitat* : Common in ditches.  
*Distribution* : Haora (Mourigram, Panpur), Murshidabad (Motijil, Beldanga, Lalgola, Kandi) and Maldah (Makdampur).
412. ***Leptochloa chinensis*** (L.) Nees.  
(1824)  
*Common name* : Barapinhati.  
*Life form* : Herb.  
*Habitat* : Common in marshy region.  
*Distribution* : Hugli, Darjiling, Kolkata, Maldah (Chanchal), South Dinajpur, North 24 Pgs., Birbhum, Puruliya, Murshidabad (Kunjaghata, Kashimbazar), Medinipur, North Dinajpur, Bankura, Koch Bihar, Haora (Kulgachia, Panpur, Dakshinmaju, Abada), Nadia, Jalpaiguri and Barddhaman.
413. ***Leptochloa panicea*** (Retz.) Ohwi (1941)  
*Life form* : Herb.  
*Habitat* : Less common. Grassy moist places.  
*Distribution* : South 24 Pgs., Murshidabad (Kashimbazar, Baranagar, Bhabta) and Haora (Alampur, Andul, Panchpara).
414. ***Lolium perenne*** L.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
415. ***Microstegium nudum*** (Trin.) A. Camus  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
416. ***Miscanthus nepalensis*** (Trin.) Hackel  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
417. ***Muhlenbergia huegellii*** Trin.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
418. ***Neyraudia reynaudiana*** (Kunth)  
Keng ex Hitchc  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
419. ***Oplismenus burmannii*** (Retz.) P.  
Beauv. (1812)  
*Life form* : Herb.  
*Habitat* : Common in damp areas.  
*Distribution* : Murshidabad (Khosbagan, Lalkuthi, Lalgola, Beldanga), Maldah (Raypur), Haora (Harishpur), Nadia, Jalpaiguri, Koch Bihar, Kolkata, North 24 Pgs., South 24 Pgs. and Hugli.
420. ***Oplismenus compositus*** (L.) P.  
Beauv. (1812)  
*Life form* : Herb.  
*Habitat* : Common in damp shady places.  
*Distribution* : Koch Bihar, Kolkata, Darjiling, Maldah (Eklakshmi), Hugli, Haora (Hajaratkalithola, Horishpur), North Dinajpur, Jalpaiguri, North 24 Pgs., Nadia, Murshidabad (Beldanga, Lalgola, Sarulia) and Medinipur.

421. ***Oryza rufipogon*** Roxb. (1820)  
*Life form* : Annual.  
*Habitat* : Not very common, found in ditches, swampy areas.  
*Distribution* : Maldah (Kayar beel), Murshidabad (Baharampur) and Haora (Panchla).
422. ***Panicum antidotale*** Retz. (1786)  
*Life form* : Herb  
*Distribution* : Kolkata, Maldah (Shaktigar), South Dinajpur, North 24 Pgs., Jalpaiguri, Nadia, Haora and Hugli.
423. ***Panicum miliaceum*** L. (1753)  
*Common name* : Cheena.  
*Life form* : Herb  
*Distribution* : South Dinajpur, Hugli, Kolkata, Puruliya, North 24 Pgs., Nadia, Jalpaiguri, Haora and Maldah (Anantapur).
424. ***Panicum paludosum*** Roxb. (1820)  
*Life form* : Perennial.  
*Habitat* : Commonly floating along margin of water bodies.  
*Distribution* : Puruliya, Nadia, Kolkata, Murshidabad (Farakka, Krishnapur, Kandi), South 24 Pgs., South Dinajpur, Jalpaiguri, Koch Bihar, North 24 Pgs., Darjiling, Barddhaman, Medinipur, Hugli, Birbhum, Maldah, Haora (Andul) and North Dinajpur.
425. ***Panicum psilopodium*** Trin. (1826)  
*Life form* : Annual.  
*Habitat* : Open grassy places.  
*Distribution* : Barddhaman, Medinipur, Jalpaiguri, Kolkata, Maldah, North 24 Pgs., Haora (Uluberia, Horishpur), North Dinajpur, Nadia and Murshidabad (Katgolarbagan).
426. ***Panicum repens*** L. (1762)  
*Common name* : Baranda.  
*Life form* : Perennial.  
*Habitat* : Common in water coarses.  
*Distribution* : Haora (Bargachia), Kolkata, North 24 Pgs., Nadia, North Dinajpur, Maldah (Balupur), South 24 Pgs., Hugli and Murshidabad (Kunjaghata, Jibanti, Bhagawangola, Sarulia).
427. ***Panicum sumatraensis*** Roth ex Roem. (1817)  
*Life form* : Annual.  
*Habitat* : Cult. & naturalized.  
*Distribution* : Jalpaiguri and Haora (Abada).
428. ***Panicum trypheron*** Schult. (1824)  
*Common name* : Fupikanka  
*Life form* : Tufted annual.  
*Habitat* : Waste lands.  
*Distribution* : Murshidabad (Katgolabagan) and Haora (Horishpur).
429. ***Paspalidium flavidum*** (Retz.) A. Camus (1922)  
*Life form* : Annual.  
*Habitat* : Common in dry lands.  
*Distribution* : Haora (Bargachia, Kona), Bankura, Medinipur, Puruliya, Birbhum, Murshidabad (Khosbagan, Katgolarbagan) and South Dinajpur.
430. ***Paspalidium punctatum*** (Brum. f.) A. Camus (1922)  
*Life form* : Annual/perennial.  
*Habitat* : Common in marshes.  
*Distribution* : Hugli, Nadia, North Dinajpur, Jalpaiguri, Kolkata, Puruliya, Haora (Uluberia), North 24 Pgs., Maldah and Murshidabad (Kunjaghata, Sabjikatra, Sarulia).
431. ***Paspalum conjugatum*** Bergius (1772)  
*Life form* : Annual.  
*Distribution* : South 24 Pgs., Nadia, Jalpaiguri, Kolkata, North Dinajpur, Birbhum, South Dinajpur, Murshidabad (Kujaghata, Sabjikatra), Puruliya, Haora (Kona), Darjiling, Barddhaman, Maldah (Bhutni), Bankura, Medinipur, Koch Bihar, Hugli and North 24 Pgs.
432. ***Paspalum orbicularis*** G. Forst.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.

433. *Paspalum scrobiculatum* L. (1767)

*Common name* : Myna.

*Life form* : Annual.

*Habitat* : Common along margin of ponds.

*Distribution* : Hugli, Jalpaiguri, South Dinajpur, North 24 Pgs., Barddhaman, Kolkata, Haora (Mourigram, Dakshinmaju, Deulti, Amta), Medinipur, Maldah (Balupur), Puruliya, Koch Bihar, Bankura, Murshidabad (Jadupur, Kalantar, Lalgola) and Nadia.

434. *Pennisetum americanum* (L.)

Leekes (1907)

*Common name* : Bajra.

*Life form* : Perennial.

*Distribution* : Medinipur, North 24 Pgs., Maldah, Murshidabad, Haora, Puruliya, Bankura and Birbhum.

435. *Pennisetum clandestinum* Hochst.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

436. *Pennisetum purpureum* Schumach.

(1827)

*Life form* : Perennial herb.

*Distribution* : Kolkata, Maldah (Makdampur) and North 24 Pgs.

437. *Phalaris minor* Retz. (1783)

*Life form* : Perennial herb

*Distribution* : Birbhum, Maldah (Makdampur) and South Dinajpur.

438. *Phragmites karka* (Retz.) Trin. ex Steud. (1841)

*Life form* : Perennial herb.

*Distribution* : Murshidabad, Bankura, Maldah (Kajaldighi), Haora, Nadia, Jalpaiguri, Kolkata, Koch Bihar, Medinipur, North 24 Pgs., Hugli, Barddhaman, North Dinajpur and Puruliya.

439. *Polypogon monspeliensis* (L.)

Desf. (1798)

*Life form* : Annual herb.

*Distribution* : Maldah (Krishnapur) South 24 Pgs. and Medinipur.

440. *Poa annua* L.

*Life form* : Annual herb.

*Distribution* : Darjiling.

441. *Poa himalayana* Nees. ex Steud.

*Life form* : Annual herb.

*Distribution* : Darjiling.

442. *Poa khasyana* Stapf.

*Life form* : Annual herb.

*Distribution* : Darjiling.

443. *Pogonatherum paniceum* (Lamk.)

Hack.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

444. *Pseudoraphis brunomana* Griff.

(1851)

*Life form* : Floating herb.

*Habitat* : Common in ponds or as a weed of paddy fields.

*Distribution* : North Dinajpur, Murshidabad (Jadupur, Motijil, Farakka), Jalpaiguri, Kolkata, North 24 Pgs., Maldah, Haora (Deulti), Nadia, Puruliya and South 24 Pgs.

445. *Pseudoechylaena polystachya*

(H.B.K.) Stapf

*Life form* : Annual herb.

*Distribution* : Darjiling.

446. *Sacciolepis indica* (L.) A. Chase (1908)

*Life form* : Tufted annual.

*Habitat* : Waste lands & harvested dry rice fields.

*Distribution* : Haora (Horishpur).

447. *Saccharum bengalense* Retz. (1789)

*Common name* : Teng.

*Life form* : Perennial.

*Distribution* : Maldah (Bhaluka).

448. *Saccharum officinarum* L. (1753)

*Common name* : Akh/Gauna/Sugar-cane

*Life form* : Perennial.

*Distribution* : Birbhum, Nadia, Bankura, Barddhaman, Haora, Jalpaiguri, Kolkata,



Medinipur, Maldah (Bulbulchandi), Puruliya, Hugli, North Dinajpur, Koch Bihar and North 24 Pgs.

449. **Saccharum spontaneum** L. (1771)

*Common name* : Khasi/Khakra.

*Life form* : Perennial.

*Habitat* : Common/less common along banks of rivers, ponds & ditches.

*Distribution* : Maldah.

450. **Sacciolepis interrupta** (Willd.)

Stapf. (1920)

*Life form* : Perennial.

*Distribution* : Maldah and Medinipur.

451. **Setaria glauca** (L.) P. Beauv. (1812)

*Common name* : Pingi natchi.

*Life form* : Annual herb.

*Distribution* : Hugli, Bankura, Jalpaiguri, Kolkata, Maldah (Kayar beel), Koch Bihar, Medinipur, North Dinajpur, Haora, North 24 Pgs., Puruliya, Barddhaman and Birbhum.

452. **Setaria intermedia** Roem. & Schult.

(1817)

*Common name* : Dorabiara.

*Life form* : Weak grass.

*Habitat* : Thickets & hedges.

*Distribution* : Puruliya, Hugli, Jalpaiguri, Barddhaman, Medinipur, Haora (Damjoor), Birbhum and Murshidabad (Jalangi).

453. **Setaria pumila** (Poir.) Roem. &

Scult. (1817)

*Life form* : Tufted annual.

*Habitat* : Common grassy places.

*Distribution* : Puruliya, Darjiling, Murshidabad (Kunjaghata, Baranagar, Dadpur), Jalpaiguri and Maldah (Muchia, Sujapur).

454. **Setaria pallide-fusca** (Schum.) Stapf. et Hubb. (1960)

*Life form* : Tufted erect annual.

*Habitat* : Grassy places, hedges and thickets, along paddy-field bunds.

*Distribution* : Haora (Bargachia, Horishpur), Koch Bihar, Kolkata, North 24 Pgs., Birbhum, South Dinajpur, Medinipur and South 24 Pgs.

455. **Setaria verticillata** (L.) P. Beauv.

(1812)

*Life form* : Tufted annual.

*Habitat* : Common on moist grassy places.

*Distribution* : Murshidabad (Lalbagh, Sarupnagar, Bhabta), Maldah, Haora (Mourigram, Changail, Kona), Kolkata, Nadia, Jalpaiguri, North 24 Pgs. and Hugli.

456. **Setaria pallido-fusca** (Schum.) Stapf.

*Life form* : Annual herb.

*Distribution* : Darjiling.

457. **Setaria plicata** (Lamk) T. Cooke

*Life form* : Perennial herb.

*Distribution* : Darjiling.

458. **Sorghum halepense** (L.) Pers. (1805)

*Life form* : Perennial.

*Habitat* : Banks of river.

*Distribution* : North 24 Pgs., Jalpaiguri, Kolkata, Murshidabad (Jiagunge, Krishnapur), Haora (Mourigram, Horishpur), Koch Bihar and Medinipur.

459. **Sorghum vulgare** Pers. (1805)

*Life form* : Herb.

*Habitat* : Cultivation.

*Distribution* : Nadia and Maldah (Bhutni).

460. **Sporobolus fertilis** (Steud.) Cleyton

*Life form* : Perennial herb.

*Distribution* : Puruliya.

461. **Sporobolus tremulus** (Willd.) Kunth (1812)

*Life form* : Herb.

*Habitat* : Common in dry rice fields.

*Distribution* : Birbhum, Puruliya, Medinipur, Murshidabad (Lalbagh, Farakka, Beldanga), South Dinajpur, Haora (Bargachia, Panpur, Munshirhat), Barddhaman and Bankura.

462. ***Themeda strigosa*** (Buch.-Ham. ex Hook. F.) A. Camus (1920)  
*Life form* : Herb  
*Distribution* : Bankura, Murshidabad, Koch Bihar, Kolkata, Medinipur, North Dinajpur, Birbhum, North 24 Pgs., Haora, Bardhaman, South Dinajpur, Jalpaiguri, Puruliya and Maldah (Bhaluka).
463. ***Thysanolaena maxima*** (Roxb.) Kuntze (1891)  
*Life form* : Perennial.  
*Distribution* : Maldah (Bhaluka), Nadia, Darjiling, Jalpaiguri, Koch Bihar, Birbhum, Bardhaman, North Dinajpur, South Dinajpur and Puruliya.
464. ***Tripogon filiformis*** Nees ex Steud.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
465. ***Triticum aestivum*** L. (1753)  
*Common name* : Gehum/Wheat.  
*Life form* : Annual.  
*Habitat* : Cultivation.  
*Distribution* : Bardhaman, Puruliya, Bankura, Maldah (Chanchal), Nadia, Birbhum and Medinipur.
466. ***Urochloa panicoides*** P. Beauv. (1812)  
*Life form* : Annual.  
*Habitat* : Common in jute fields.  
*Distribution* : North Dinajpur, Hugli, Murshidabad (Jadupur, Farakka, Khosbagan, Beldanga), Nadia, North 24 Pgs., Haora (Panchpara, Kona), Maldah, Koch Bihar and South Dinajpur.
467. ***Ishaemum rugosum*** Salisb. (1791)  
*Life form* : Tufted annual.  
*Habitat* : Along the bunds & edges of paddy fields, ponds, ditches.  
*Distribution* : South 24 Pgs., Kolkata, Nadia, South Dinajpur, Haora (Horishpur, Shyampur), North 24 Pgs. and Birbhum.
468. ***Vetiveria zizanioides*** (L.) Nash (1903)  
*Common name* : Khas-Khas.  
*Life form* : Herb, rhizome aromatic.  
*Habitat* : Common near ponds, ditches & along river banks.  
*Distribution* : Murshidabad (Sabjikatra, Lalkuthi, Dhulian, Kandi), Bankura, Maldah (Gour), Haora (Mourigram, Kona), Birbhum, Medinipur, Bardhaman and Puruliya.
469. ***Zea mays*** L. (1753)  
*Common name* : Bhutta, makai.  
*Life form* : Annual.  
*Habitat* : Cultivation.  
*Distribution* : Puruliya, Bardhaman, Kolkata, Nadia, Haora, Maldah (Makdampur), Hugli, North 24 Pgs., Koch Bihar, South 24 Pgs., Jalpaiguri, Medinipur, Murshidabad, South Dinajpur, Darjiling, North Dinajpur, Birbhum and Bankura.
470. ***Zoysia matrella*** (L.) Merr. (1912)  
*Life form* : Much branched mat forming grasses.  
*Habitat* : River belt.  
*Distribution* : Nadia, North Dinajpur, North 24 Pgs., Birbhum, South Dinajpur, Haora (Deulti, Uluberia, Shyampur), Puruliya and Medinipur.
- Family ARALIACEAE
471. ***Brassiopsis alpina*** Clarke  
*Life form* : Shrub.  
*Distribution* : Darjiling.
472. ***Brassiopsis hainla*** (Ham.) Seeman  
*Life form* : Shrub.  
*Distribution* : Darjiling.
473. ***Brassiopsis mitis*** Clarke  
*Life form* : Tree.  
*Distribution* : Darjiling.
474. ***Panax pseudo-ginseng*** Wall.  
*Life form* : Geophyte.  
*Distribution* : Darjiling.

475. *Schefflera impressa* (C.B.C.) Harms  
Life form : Tree.  
Distribution : Darjiling.
476. *Schefflera venulosa* (Wt. et Arn.)  
Harms. var. *venulosa*  
Life form : Shrubby climber.  
Distribution : Darjiling.
477. *Schefflera venulosa* (Wt. et Arn.)  
Harms. var. *macrophylla* (Wall. et Clarke)  
A.P. Das  
Life form : Shrubby climber.  
Distribution : Darjiling.  
Family ERICACEAE
478. *Agapetes incurvata* (Griff.) Sleumer  
Life form : Shrub.  
Distribution : Darjiling.
479. *Agapetes saligna* (Hk. f.) Sleumer  
Life form : Shrub.  
Distribution : Darjiling.
480. *Agapetes serpens* (Wt.) Sleumer  
Life form : Shrub.  
Distribution : Darjiling.
481. *Gaultheria fragrantissima* Wall.  
Life form : Shrub.  
Distribution : Darjiling.
482. *Gaultheria griffithiana* Wt.  
Life form : Shrub.  
Distribution : Darjiling.
483. *Gaultheria hookerii* Clarke  
Life form : Shrub.  
Distribution : Darjiling.
484. *Gaultheria nummularioides* D. Don  
Life form : Undershrub.  
Distribution : Darjiling.
485. *Lyonia ovalifolia* (Wall.) Drude  
Life form : Tree.  
Distribution : Darjiling.
486. *Pieris formosa* (Wall) D. Don  
Life form : Tree.  
Distribution : Darjiling.
487. *Rhododendron arboreum* Smith  
Life form : Tree.  
Distribution : Darjiling.
488. *Rhododendron dalhousiae* Hook. f.  
Life form : Shrub.  
Distribution : Darjiling.
489. *Rhododendron falconeri* Hook. f.  
Life form : Tree.  
Distribution : Darjiling.
490. *Rhododendron grande* Wt.  
Life form : Tree.  
Distribution : Darjiling.
491. *Rhododendron hodgsonii* Hook.f.  
Life form : Tree.  
Distribution : Darjiling.
492. *Rhododendron lindleyi* P. Moore  
Life form : Shrub.  
Distribution : Darjiling.
493. *Rhododendron maddenii* Hook. f.  
Life form : Tree.  
Distribution : Darjiling.  
Family IRIDACEAE
494. *Freezia refracta* (Jacq.) Ecklon ex  
Klatt  
Life form : Geophyte.  
Distribution : Darjiling.
495. *Montbretia X crocosmiflora* Hort.  
ex Morren  
Life form : Geophyte.  
Distribution : Darjiling.
496. *Tigridia pavonia* Ker-Gawl  
Life form : Geophyte.  
Distribution : Darjiling.

## DICOTYLEDON

- Kingdom PLANTAE  
 Subkingdom PHANEROGAMS  
 Division ANGIOSPERMAE  
 Class DICOTYLEDONAE  
 Family RANANCULACEAE
1. ***Aconitum bisma*** (Buch.-Ham.) Rap.  
*Life form* : Herb.  
*Distribution* : Darjiling.
  2. ***Aconitum elwesii*** Stapf  
*Life form* : Herb.  
*Distribution* : Darjiling.
  3. ***Aconitum ferox*** Wall. ex Seringe  
*Life Form* : Herb.  
*Distribution* : Darjiling.
  4. ***Aconitum heterophylloides*** (Bruhl)  
 Stapf  
*Life form* : Herb.  
*Distribution* : Darjiling.
  5. ***Aconitum laciniatum*** (Bruhl.) Stapf  
*Life form* : Herb.  
*Distribution* : Darjiling.
  6. ***Aconitum novoluridum*** Munz  
*Life form* : Herb.  
*Distribution* : Darjiling.
  7. ***A. spicatum*** (Bruhl) Stapf  
*Life form* : Herb.  
*Distribution* : Darjiling.
  8. ***Anemone griffithii*** Hook.f. & Thoms.  
*Life form* : Herb.  
*Distribution* : Darjiling.
  9. ***Anemone japonica*** Sieb & Zucc.  
*Life form* : Sffrutescent herb.  
*Distribution* : Darjiling and Koch Bihar.
  10. ***Anemone obtusiloba*** D. Don  
*Life form* : Herb.  
*Distribution* : Darjiling.
  11. ***Anemone rivularis*** Buch.-Ham. ex DC.  
*Life form* : Sffrutescent herb.  
*Distribution* : Darjiling and Koch Bihar.
  12. ***Anemone vitifolia*** Buch.-Ham ex DC.  
*Life form* : Sffrutescent herb.  
*Distribution* : Darjiling and Koch Bihar.
  13. ***Calthodes palmata*** Hook. f. & Thoms  
*Life form* : Herb.  
*Distribution* : Darjiling.
  14. ***Caltha palustris*** L.  
*Life form* : Herb.  
*Distribution* : Darjiling.
  15. ***C. scaposa*** Hook.f. & Thoms  
*Life form* : Herb.  
*Distribution* : Darjiling.
  16. ***Cimicifuga foetida*** L.  
*Life form* : Herb.  
*Distribution* : Darjiling.
  17. ***Clematis acuminata*** DC. subsp.  
***sikkimensis*** (Hook. f. & Thomes) Bruhl  
*Life form* : Climber.  
*Distribution* : Darjiling.
  18. ***Clematis andersonii*** (C. B. Clarke ex  
 Ktze) Eichler  
*Life form* : Climber.  
*Distribution* : Darjiling.
  19. ***Clematis cadmia*** Buch.-Ham. ex Hook.  
 f. & Thoms.  
*Life form* : Climber.  
*Distribution* : Jalpaiguri.
  20. ***Clematis connata*** DC.  
*Life form* : Climber.  
*Distribution* : Darjiling.
  21. ***Clematis gouriana*** Roxb. ex DC.  
*Life form* : Climbing shrub.  
*Habitat* : Rare on road side thickets & waste  
 lands.

*Distribution* : Medinipur, Darjiling, Nadia, Birbhum, Barddhaman, Maldah, Haora, Murshidabad, Jalpaiguri, Koch Bihar, Kolkata, South 24 Pgs. (Bhangankhali, Birati) and Hugli.

22. ***Clematis buchananiana*** DC.

*Common name* : Chhagalbati.

*Life form* : Shrubby climber.

*Distribution* : Darjiling.

23. ***Clematis grewiaeflora*** DC.

*Life form* : Climber.

*Distribution* : Darjiling.

24. ***Clematis montana*** Buch. Ham.ex DC.  
var ***praecox*** O.Kuntze

*Life form* : Climber.

*Distribution* : Darjiling.

25. ***Clematis napaulensis*** DC.

*Life form* : Climber.

*Distribution* : Darjiling.

26. ***Clematis smilacifolia*** Wall.

*Life form* : Climber.

*Distribution* : Darjiling.

27. ***Clematis tongluensis*** (Bruhl) Tamura

*Life form* : Climber.

*Distribution* : Darjiling.

28. ***Delphinium caeruleum*** Jacq. ex Cam

*Life form* : Herb.

*Distribution* : Darjiling.

29. ***Delphinium glaciale*** Hook. f. &  
Thoms.

*Life form* : Herb.

*Distribution* : Darjiling.

30. ***Delphinium pyramidale*** Royle

*Life form* : Herb.

*Distribution* : Darjiling.

31. ***Delphinium viscosum*** Hook. f. &  
Thoms.

*Life form* : Herb.

*Distribution* : Darjiling.

32. ***Dichocarpum adiantifolium*** (Hook.  
f. & Thoms.) Wang & Hsiaw

*Life form* : Herb.

*Distribution* : Darjiling.

33. ***Halerpestes tricuspis*** (Maxim.) Hand-  
Mazz.

*Life form* : Herb.

*Distribution* : Darjiling.

34. ***Isopyrum adiantifolium*** Hook.f. &  
Thoms.

*Life form* : Geophyte.

*Distribution* : Darjiling.

35. ***Narvelia zeylanica*** (L.) DC.

*Life form* : Geophyte.

*Habitat* : Common in hedges & thickets or in scrub jungles.

*Distribution* : Haora, Barddhaman, Darjiling, Hugli, South 24 Pgs. (Basirhat) and Kolkata.

36. ***Nigella sativa*** L.

*Common name* : Kalojira.

*Life form* : Annual herb.

*Habitat* : Cultivated as a winter crop of spice, occasionally as an escape.

*Distribution* : Kolkata, South 24 Pgs. (Subuddhipur), Nadia, Hugli and Haora.

37. ***Oxygraphis endlicheri*** (Walp.) Bennet  
& Chandr

*Life form* : Herb.

*Distribution* : Darjiling.

38. ***Ranunculus adoxifolius*** Hand.-Mazz.

*Life form* : Prostrate herb.

*Distribution* : Darjiling.

39. ***Ranunculus brotherusi*** Freyn.

*Life form* : Herb.

*Distribution* : Darjiling.

40. ***Ranunculus ficarifolius*** Levt. & Vanist

*Life form* : Herb.

*Distribution* : Darjiling.

41. *Ranunculus sardous* Crantz.*Life form* : Herb.*Distribution* : Haora.42. *Ranunculus sceleratus* L.*Common name* : Polica.*Life form* : Annual herb.*Habitat* : Common on marshy places/along canal sides.*Distribution* : Nadia, Kolkata, South 24 Pgs. (Kumarzol), Darjiling, Jalpaiguri, Hugli, Murshidabad, Maldah and Koch Bihar.43. *Ranunculus diffusus* DC.*Life form* : Annual herb.*Distribution* : Darjiling.44. *Ranunculus laetus* Wall. ex Royle*Life form* : Perennial herb.*Distribution* : Darjiling.45. *Ranunculus repens* L.*Life form* : Perennial herb.*Distribution* : Darjiling.46. *Tetracera sarmentosa* (L.) Vahlsubsp. *andamanica* (Hoogl.) Hoogl.*Life form* : Shrubs & Lianas.*Distribution* : Darjiling.47. *Thalictrum chelidonii* DC.*Life form* : Herb.*Distribution* : Darjiling.48. *Thalictrum cultratum* Wall.*Life form* : Tall herb.*Distribution* : Darjiling.49. *Thalictrum foliosum* DC.*Life form* : Suffrutescent herb.*Distribution* : Darjiling.50. *Thalictrum javanicum* Blume*Life form* : Herb.*Distribution* : Darjiling.51. *Thalictrum minus* L.*Life form* : Herb.*Distribution* : Darjiling.52. *Thalictrum reniforme* Wall.*Life form* : Herb.*Distribution* : Darjiling.53. *Thalictrum rostellatum* Hook. f. & Thoms.*Life form* : Herb.*Distribution* : Darjiling.54. *Thalictrum saniculaeformae* DC.*Life form* : Herb.*Distribution* : Darjiling.55. *Thalictrum virgatum* Hook. f. & Thoms.*Life form* : Herb.*Distribution* : Darjiling.

Family DILLENACEAE

56. *Dillenia aurea* Smith*Common name* : Chamaggai (Beng.).*Life form* : Tree.*Distribution* : Bankura, Medinipur and Puruliya.57. *Dillenia indica* L.*Common name* : Chalta.*Life form* : Medium sized tree.*Habitat* : Commonly planted in old orchards, vill. Surroundings, road side scrub jungles.*Distribution* : Hugli, Medinipur, Kolkata, South 24 Pgs. (Duttapukur, Baruipur), Maldah, Nadia, Haora, Jalpaiguri, Koch Bihar, Murshidabad and Bardhaman.58. *Dillenia pentagyna* Roxb.*Common name* : Karkotta (Beng.).*Life form* : Tree.*Distribution* : Darjiling, Jalpaiguri, Bankura, Birbhum and Puruliya.

Family MAGNOLIACEAE

59. *Alcimandra cathcartii* (Hook. f. & Thoms.) Dandy*Distribution* : Darjiling.60. *Liriodendron tulipifera* L.*Life form* : Tree.*Distribution* : Darjiling.

61. *Magnolia campbelii* Hook.f. & Thoms.*Life form* : Tree.*Distribution* : Darjiling.62. *Magnolia globosa* Hook. f. & Thoms.*Life form* : Tree.*Distribution* : Darjiling.63. *Magnolia hodgsonii* (Hook.f. & Thoms.) Keng*Life form* : Tree.*Distribution* : Darjiling.64. *Magnolia obovata* Thunb.*Life form* : Shrub.*Distribution* : Darjiling.65. *Magnolia grandiflora* L.*Common name* : Champa.*Life form* : Evergreen tree.*Habitat* : Not common; found in gardens.*Distribution* : North 24 Pgs. (Barrackpur), Kolkata, Darjiling, Jalpaiguri and Koch Bihar.66. *Magnolia pterocarpa* Roxb.*Life form* : Tree.*Distribution* : Darjiling.67. *Michelia cathcartii* Hook. f. & Thoms.*Life form* : Tree.*Distribution* : Darjiling.68. *Michelia champaca* L.*Common name* : Champa.*Life form* : Tree.*Habitat* : Frequently planted as ornamental tree.*Distribution* : Jalpaiguri, Hugli, Kolkata, 24 Pgs. (Diamond Harbour), Koch Bihar, Nadia and Maldah.69. *Michelia doltsopa* Buch.-Ham. ex DC.*Life form* : Tree.*Distribution* : Darjiling.70. *Michelia kisopa* Buch.-Ham. ex DC.*Life form* : Tree.*Distribution* : Darjiling.71. *Michelia velutina* DC.*Life form* : Tree.*Distribution* : Darjiling.

Family ANNONACEAE

72. *Annona reticulata* L.*Common name* : Nona.*Life form* : Tree.*Habitat* : Cultivated in old orchard, often found as an escape in dry waste lands.*Distribution* : Bankura, Jalpaiguri, Puruliya, 24 Pgs. (Tetulia, Bamanea), Dinajpur, Birbhum, Koch Bihar, Medinipur, Kolkata, Barddhaman, Hugli, Murshidabad, Haora, Nadia and Maldah.73. *Annona squamosa* L. (1753).*Common name* : Ata.*Life form* : Tree.*Habitat* : Occasionally planted in old orchards or Village surroundings.*Distribution* : Koch Bihar, Haora, Barddhaman, Kolkata, Medinipur, Maldah, Murshidabad, North 24 Pgs. (Barasat, Bongan), Nadia, Jalpaiguri and Hugli.74. *Artabotrys hexapetalus* (L. f.) Bhandari*Common name* : Kathali Champa/Kat Champa.*Life form* : Shrub.*Habitat* : Commonly planted as an ornamental plant.*Distribution* : North 24 Pgs. (Barrackpur), Maldah, Haora, Jalpaiguri, Kolkata, Medinipur and Nadia.75. *Cananga odorata* Hook. f. & Thoms.*Common name* : Alangilang.*Life form* : Tall tree.*Habitat* : Planted as avenue tree or in gardens.*Distribution* : North 24 Pgs. (Ichhapur).76. *Desmos chinensis* Lour. var. *chinensis**Life form* : Sarmentose shrub.*Distribution* : Jalpaiguri.

77. ***Desmos chinensis*** var. ***laevigata***  
(Hook. & Thoms.) Mitra  
*Life form* : Cultivated Shrub.  
*Distribution* : Jalpaiguri.
78. ***Desmos chinensis*** var. ***pubescens***  
Hook.f. & Thoms.  
*Life form* : Shrub.  
*Distribution* : Jalpaiguri.
79. ***Desmos desmosus*** (Roxb.) Safford  
*Life form* : Woody Climber.  
*Distribution* : Jalpaiguri.
80. ***Fissistigma bicolor*** (Roxb.) Mor  
*Life form* : Woody climber.  
*Distribution* : Jalpaiguri.
81. ***Goniothalamus sesquipedalis*** (Wall.)  
Hook. f. & Thoms.  
*Life form* : Shrub.  
*Distribution* : Jalpaiguri.
82. ***Miliusa globosa*** (DC.) Panigrahi & S.C.  
Mishra  
*Life form* : Tree.  
*Distribution* : Jalpaiguri.
83. ***Miliusa indica*** Leschen. ex DC.  
*Life form* : Shrub.  
*Distribution* : Kolkata.
84. ***Miliusa longiflora*** (Hook. f. &  
Thoms.) Fivet & Gagnep.  
*Life form* : Tree.  
*Distribution* : Darjiling and Jalpaiguri.
85. ***Miliua macrocarpa*** Hook.f. & Thoms.  
*Life form* : Tree.  
*Distribution* : Darjiling.
86. ***Miliusa velutina*** (Dunal) Hook. f. &  
Thoms.  
*Life form* : Tree.  
*Distribution* : Maldah, Medinipur,  
Jalpaiguri, Puruliya and Dinajpur.
87. ***Miliusa tomentosa*** (Roxb.) Sinchair  
*Common name* : Gandhapalasa.  
*Life form* : Medium sized tree.
- Habitat* : Common in hedges & thickets &  
also planted along roads.  
*Distribution* : South 24 Pgs. (Joynagar).
88. ***Polyalthia cerasoides*** (Roxb.) Bedd.  
*Common name* : Kudumi.  
*Life form* : Medium tree.  
*Habitat* : Occasionally in the vi.  
Shrubberies, often planted as hedge plant.  
*Distribution* : South 24 Pgs. (Brace Bridge),  
Nadia, Haora, Koch Bihar and Dinajpur.
89. ***Polyalthia longifolia*** (Sonn.) Thw.  
*Common name* : Debbaru.  
*Life form* : Tall tree.  
*Habitat* : Mostly planted as avenue tree,  
sometimes planted in the hedges or gardens.  
*Distribution* : Jalpaiguri, Birbhum,  
Medinipur, North 24 Pgs. (Gobardanga,  
Fultala) and Koch Bihar.
90. ***Polyalthia simiarum*** (Hook. f. &  
Thoms.)  
*Life form* : Tree.  
*Distribution* : Jalpaiguri and Darjiling.
91. ***Polyalthia suberosa*** (Roxb.) Thw.  
*Common name* : Barchali.  
*Life form* : Small to medium sized tree.  
*Habitat* : Wild in vill. Shrubberies & waste  
lands, in sides of roads.  
*Distribution* : South 24 Pgs. (Brace Bridge,  
Baruipur).
92. ***Uvaria hamiltonii*** Hook. f. ex &  
Thoms.  
*Life form* : Scandent Shrub.  
*Distribution* : Darjiling.
- Family MENISPERMACEAE
93. ***Aspidocarya uvifera*** Hook.f. & Thoms.  
*Life form* : Climber.  
*Distribution* : Darjiling.
94. ***Cissampelos pareira*** L. var. ***hirsuta***  
(Buch. & Ham.)  
*Common name* : Akanadi/Ekleja.



*Life form* : Climbing shrub.  
*Habitat* : Very common on bushes, hedges & waste lands.

*Distribution* : South 24 Pgs. (Magrahat, Surjyapur).

95. ***Cocculus hirsutus*** (L.) Diels

*Life form* : Sub woody climber.

*Distribution* : Hugli, Haora and Murshidabad.

96. ***Cyclea bicristata*** (Griff.) Diels

*Life form* : Shrubby climber.

*Distribution* : Darjiling.

97. ***Parabaena sagittata*** Miers ex Hook.f. & Thoms.

*Life form* : Climber.

*Distribution* : Darjiling.

98. ***Stephania glabra*** (Roxb.) Miers

*Life form* : Climber.

*Distribution* : Darjiling.

99. ***Stephania japonica*** (Thunb.) Miers var. ***discolor***

*Common name* : Nimusha/Nimukha.

*Life form* : Climbing shrub.

*Habitat* : Very common on the dry waste lands, thickets, hedges & railway tracts, climbing on bushes.

*Distribution* : South 24 Pgs. (Bhangan Khali, Ramnagar), Kolkata, Medinipur and Hugli.

100. ***Stephania elegans*** Hook. f. & Thoms.

*Life form* : Climber with annual stem.

*Distribution* : Darjiling.

101. ***Tiliacora acuminata*** (Lam.) Hook.f. & Thoms.

*Life form* : Climbing shrub.

*Habitat* : Fairly common on hedges, thickets & shrubberies, climbing on *Ficus bengalensis* & *Mangifera indica*.

*Distribution* : Jalpaiguri, Nadia, Maldah, Murshidabad, Koch Bihar and South 24 Pgs. (Beliachandi, Haroa).

102. ***Tinospora cordifolia*** (Willd.) Miers

*Common name* : Gulancha.

*Life form* : Large climbing shrub.

*Habitat* : Very common in vill. Thickets, hedges, waste lands & railway tracts, climbing on the way side tree.

*Distribution* : South 24 Pgs. (Ghoramara, Santoshpur), Dinajpur, Koch Bihar, Puruliya, Kolkata, Haora, Barddhaman, Maldah, Birbhum, Hugli, Jalpaiguri, Bankura, Murshidabad and Nadia.

103. ***Tinospora sinensis*** (Lour.) Merr.

*Life form* : Climber.

*Distribution* : Darjiling.

Family NYMPHAEACEAE

104. ***Nelumbo nucifera*** Gaertn.

*Common name* : Padma/Kamal.

*Life form* : Aquatic herb with floating leaves.

*Habitat* : Abundant in ponds & jheels.

*Distribution* : Maldah, Hugli, South 24 Pgs. (Garia), Puruliya, Medinipur, Barddhaman, Jalpaiguri, Nadia, Birbhum, Dinajpur, Haora, Murshidabad and Koch Bihar.

105. ***Nymphaea nouchali*** Burm. f.

*Common name* : Sapla.

*Life form* : Large aquatic herb.

*Habitat* : Very common on less used ponds, jheels, beels, road side canals & also in paddyfields during monsoon.

*Distribution* : South 24 Pgs. (Taldi, Harinbari).

106. ***Nymphaea pubescens*** Willd.

*Life form* : Aquatic herb.

*Distribution* : Bengal Plains.

107. ***Nymphaea rubra*** Roxb. ex Andrews

*Life form* : Aquatic herb.

*Distribution* : Bengal Plains.

108. ***Euryale ferox*** Salisb.

*Life form* : Annual or perennial herb.

*Distribution* : South 24 Pgs.

## Family PAPAVERACEAE

109. *Argemone mexicana* L.*Common name* : Sialkanta.*Life form* : Prickly, annual herb.*Habitat* : Common weed on road side dry waste lands, railway tracts, hedges, thickets, agricult. Fields.*Distribution* : Hugli, Jalpaiguri, Bardhaman, Nadia, Birbhum, Medinipur, Murshidabad, Koch Bihar, Maldah, Haora, South 24 Pgs. (Canning, Godkhali), Kolkata and Darjiling.110. *Argemone ochroleuca* Sweet*Life forms* : Herb.*Distribution* : Dinajpur.111. *Eomecon chionantha* Hance*Life form* : Geophyte.*Distribution* : Darjiling.112. *Meconopsis lyrata* (Cummins & Prain ex Prain) Fedde*Life form* : Herb.*Distribution* : Darjiling.113. *M. napaulensis* DC.*Life form* : Herb.*Distribution* : Darjiling.114. *M. paniculata* (D. Don) Prain*Life form* : Herb.*Distribution* : Darjiling.115. *M. villosa* (Hook.f. ex Hook.f.) G. Tayl.*Life form* : Herb.*Distribution* : Darjiling.

## Family FUMARIACEAE

116. *Corydalis geraniifolia* Hook.f. & Thoms.*Life form* : Herb.*Distribution* : Darjiling.117. *Corydalis juncea* Wall.*Life form* : Herb.*Distribution* : Darjiling.118. *Corydalis leptocarpa* Hook.*Life form* : Annual herb.*Distribution* : Darjiling.119. *Corydalis pseudolongipes* Liden*Life form* : Herb.*Distribution* : Darjiling.120. *Dicentra paucinervia* K.R. Stern*Life form* : Climber.*Distribution* : Darjiling.121. *Dicentra scandens* (D. Don) Walp.*Life form* : Climber.*Distribution* : Darjiling.122. *Dicentra ventii* Khanh*Life form* : Herb.*Distribution* : Darjiling.123. *Fumaria indica* (Haurusk.) Pugsley*Common name* : Ban Salpa.*Life form* : Diffuse annual herb.*Habitat* : Common as a weed in cultivated fields & on the sandy soil in winter season.*Distribution* : Murshidabad, Hugli, Darjiling, Haora, Nadia and South 24 Pgs. (Mazilpur/Joynagar).

## Family BRASSICACEAE (nom. alt.)

124. *Brassica juncea* (L.) Czern. & Coss.*Common name* : Rai Sarisha.*Life form* : Ann. Herb.*Habitat* : Winter crop in high & low lands, also as an escape in the dry waste lands, road sides or in the railway tracts.*Distribution* : Jalpaiguri, South 24 Pgs. (Madarhat, Benipur), Murshidabad, Maldah, Kolkata, Dinajpur, Bankura, Nadia, Hugli, Darjiling, Medinipur and Koch Bihar.125. *Brassica napus* L. var. *dichotoma* Prain*Common name* : Sarisha.*Life form* : Ann. Herb.*Habitat* : Mainly cultivated in winter season, also seen in waste lands & garden edges.

*Distribution* : South 24 Pgs. (Garia, Subhasgram), Jalpaiguri, Dinajpur, Murshidabad, Hugli, Nadia, Bardhaman and Koch Bihar.

126. ***Capsella bursa-pastoris*** (L.) Medikus

*Common name* : Shepherd's purse.

*Life form* : Ann. Herb.

*Habitat* : Very common in the cultivated fields, sometimes in waste lands.

*Distribution* : North 24 Pgs. (Belghoria), Kolkata, Koch Bihar, Darjiling, Jalpaiguri and Medinipur.

127. ***Cardamine griffithii*** Hook.f. & Thoms.

*Life form* : Herb.

*Distribution* : Darjiling.

128. ***Cardamine impatiens*** L.

*Life form* : Annual herb.

*Distribution* : Darjiling.

129. ***Cardamine flexuosa*** Withering.

*Life form* : Annual herb.

*Distribution* : Darjiling and South 24 Pgs. (Subuddipur).

130. ***Cardamine macrophylla*** Willd.

*Life form* : Herb.

*Distribution* : Darjiling.

131. ***Cochlearia cochlearioides*** (Roth)

Santapau & Mahesh

*Life form* : Annual herb.

*Habitat* : Damp places & dry ditches.

*Distribution* : South 24 Pgs. (Santoshpur).

132. ***Coronopus didymus*** (L.) Sm.

*Life form* : Annual herb.

*Habitat* : Scanty in occurrence, waste lands, road sides & river sides, garden weed, river banks.

*Distribution* : Darjiling and North 24 Pgs. (Bhebe/Basirhat).

133. ***Draba gracillima*** Hook. f. & Thoms.

*Life form* : Herb.

*Distribution* : Darjiling.

134. ***Eruca sativa*** Mill.

*Life form* : Annual herb.

*Distribution* : Darjiling.

135. ***Lepidium sativum*** L.

*Life form* : Annual herb.

*Distribution* : Darjiling.

136. ***Lepidium virginicum*** L.

*Life form* : Annual herb.

*Distribution* : Darjiling.

137. ***Raphanus sativus*** L.

*Common name* : Mula.

*Life form* : Ann/biennial herb.

*Habitat* : Cultivated In agricultural fields.

*Distribution* : South 24 Pgs. (Garia, Budge Budge).

138. ***Rorippa indica*** (L.) Hiern

*Common name* : Raisarisha.

*Life form* : Ann. Herb.

*Habitat* : Rarely found in shady & waste places.

*Distribution* : South 24 Pgs. (Haroa, Bhebe Choumatha).

139. ***Rorippa benghalensis*** (DC.) Hara

*Life form* : Ann. Herb.

*Habitat* : Field weed, in waste lands, old walls.

*Distribution* : South 24 Pgs. (Gobindapur).

140. ***Rorippa islandica*** (Oeder) Borbas

*Life form* : Annual or biennial.

*Habitat* : Rare field weed in the rabi crop fields.

*Distribution* : North 24 Pgs. (Kadampur/Nabagram).

141. ***Rorippa dubia*** (Pers.) Hara

*Life form* : Annual herb.

*Distribution* : Darjiling.

142. ***Rorippa montana*** (Wall. ex Hook. f. & T. Anders.) Small

*Life form* : Herb.

*Distribution* : Darjiling.

143. **Rorippa nasturtium-aquaticum** (L.) Hayek  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
144. **Brassica nigra** (L.) Koch.  
*Common name* : Kalo sarisha.  
*Distribution* : South 24 Pgs.
145. **Brassica campestris**  
*Common name* : Sarisha.  
*Life form* :  
*Distribution* : South 24 Pgs.
146. **Brassica oleracea** L. var. **botrytis** L.  
*Common name* : Kapi.  
*Distribution* : North 24 Pgs.
147. **Brassica oleracea** L. var. **capitata** L.  
*Common name* : Bhandha kapi.  
*Distribution* : North 24 Pgs.
148. **Brassica rapa**  
*Life form* :  
*Distribution* : South 24 Pgs.  
 Family CAPPARIDACEAE
149. **Capparis acutifolia** Sweet subsp. **viminea** Jacobs  
*Life form* : Spiny shrub.  
*Distribution* : Jalpaiguri.
150. **Capparis brevispina** DC.  
*Life form* : Spiny shrub.  
*Distribution* : Haora.
151. **Capparis multiflora** Hook. f. & Thoms.  
*Life form* : Shrub.  
*Distribution* : Jalpaiguri.
152. **Capparis olacifolia** Hook. f. & Thoms.  
*Life form* : Twining shrub.  
*Distribution* : Darjiling and Jalpaiguri.
153. **Capparis sikkimensis** Kurz  
*Life form* : Climbing shrub.  
*Distribution* : Jalpaiguri.
154. **Capparis sepiaria** L.  
*Common name* : Kalia kara.
- Life form* : Herb.  
*Habitat* : Very comm. In hedges, thickets & scrub jungles.  
*Distribution* : South 24 Pgs. (Dighirpar/ Canning, Santoshpur).
155. **Capaaris tenera** Dalz.  
*Life form* : Climbing shrub.  
*Distribution* : Jalpaiguri.
156. **Capparis zeylanica** L.  
*Common name* : Kalo kara.  
*Life form* : Rambling shrub.  
*Habitat* : Comm. On waste lands, road sides hedges & thickets.  
*Distribution* : South 24 Pgs. (Dhanyakuria, Kadampur).
157. **Crateva adamsonii** DC. subsp. **odora** (Buch.-Ham.) Jacobs  
*Life form* : Small tree.  
*Distribution* : Bankura.
158. **Crateva religiosa** Forst.f.  
*Life form* : Small tree.  
*Distribution* : Jalpaiguri.
159. **Crateva roxburghii** R. Br  
*Common name* : Barun.  
*Life form* : Deciduous tree.  
*Habitat* : River bank hedges in the Sunderban areas.  
*Distribution* : South 24 Pgs. (Bakkhali).
160. **Maerua apetala** (Roth) Jacobs  
*Life form* : Small tree.  
*Distribution* : Haora.
161. **Maerua oblongifolia** (Forssk.) A. Rich.  
*Life form* : Climbing shrub.  
*Distribution* : Haora.  
 Family CLEOMACEAE
162. **Cleome gynandra** L.  
*Common name* : Sada Hurhuria.  
*Life form* : Twining herb.

*Habitat* : Rarely found on the waste lands & railway tracts.

*Distribution* : South 24 Pgs. (Baruipur).

163. ***Cleome monophylla*** L.

*Life form* : Herb.

*Distribution* : Throughout West Bengal.

164. ***Cleome rutidosperma*** DC.

*Life form* : Herb

*Distribution* : Haora and South 24 Pgs.

165. ***Cleome speciosa*** Raf.

*Life form* : Herb.

*Distribution* : Haora.

166. ***Cleome viscosa*** L.

*Common name* : Halde Hurhuria.

*Life form* : Aromatic annual Herb.

*Habitat* : Very common throughout lower Ganga delta, railway tracts, waste landsetc.

*Distribution* : South 24 Pgs. (Sarberia).

Family VIOLACEAE

167. ***Hybanthus enneapermus*** (L.) F.V. Muell.

*Common name* : Nunbora.

*Life form* : Under shrub.

*Habitat* : Very common in open lands after rain

*Distribution* : Haora, North 24 Pgs. (Belghoria) and South 24 Pgs. (Champahati).

168. ***Viola betonicifolia*** J. E. Sm.

*Life form* : Herb.

*Distribution* : Darjiling and Jalpaiguri.

169. ***Viola biflora*** L.

*Life form* : Herb.

*Distribution* : Darjiling.

170. ***Viola bulbosa*** Maxim. subsp. ***tuberifera*** (Franch.) W. Beck

*Life form* : Herb.

*Distribution* : Darjiling.

171. ***Viola canescens*** Wall.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

172. ***Viola diffusa*** Gingins

*Life form* : Perennial herb.

*Distribution* : Darjiling.

173. ***Viola glaucescens*** Oudem.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

174. ***Viola hamiltoniana*** D. Don

*Life form* : Perennial herb.

*Distribution* : Darjiling.

175. ***Viola hookeri*** Thoms.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

176. ***Viola inconspicua*** Blume.

*Life form* : Herb.

*Distribution* : Darjiling.

177. ***Viola paravaginata*** Hare

*Life form* : Herb.

*Distribution* : Darjiling and Jalpaiguri.

178. ***Viola pilosa*** Blume

*Life form* : Perennial herb.

*Distribution* : Darjiling.

179. ***Viola placida*** W. Beck.

*Life form* : Herb.

*Distribution* : Darjiling.

180. ***Viola sikkimensis*** W. Beck.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

181. ***Viola thomsonii*** Oudem.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

182. ***Viola tricolour***

*Life form* : Comm. Garden plant in lower Ganga plain.

*Distribution* : Murshidabad, Medinipur, South 24 Pgs., Koch Bihar, Bardhaman, Jalpaiguri, Maldah, Kolkata, Haora, Bankura and Nadia.

183. ***Viola wallichiana*** Gingi

*Life form* : Herb.

*Distribution* : Darjiling.

Family BIXACEAE

184. *Bixa orellana* L.

*Life form* : Small tree.

*Habitat* : Planted as an ornamental tree.

*Distribution* : Jalpaiguri, Hugli, Haora, Koch Bihar, Dinajpur, Maldah, Kolkata, Medinipur, North 24 Pgs. (Barrackpur), Murshidabad and Nadia.

Family COCHLOSPERMACEAE

185. *Cochlospermum religiosum* (L.)  
Alston

*Life form* : Medium sized or small tree.

*Habitat* : Commonly planted as ornamental plant.

*Distribution* : Dinajpur, Jalpaiguri, Murshidabad, North 24 Pgs. (Nilgunj/Barrackpore), Medinipur, Barddhaman, Kolkata, Maldah, Bankura, Hugli and Koch Bihar.

Family FLACOURTIACEAE

186. *Casearia glomerata* Roxb. ex DC.

*Life form* : Shrub or tree.

*Distribution* : Darjiling.

187. *Caesaria graveolens* Dalz.

*Life form* : Tree.

*Distribution* : Darjiling.

188. *Casearia kurzii* C. B. Clarke

*Life form* : Small tree.

*Distribution* : Darjiling and Jalpaiguri.

189. *Casearia tomentosa* Roxb.

*Life form* : Small tree.

*Distribution* : Barddhaman, Haora, Murshidabad, Puruliya and West Dinajpur.

190. *Casearia vareca* Roxb.

*Life form* : Shrub.

*Distribution* : Darjiling and Jalpaiguri.

191. *Flacourtia indica* (Burm. f.) Merrill

*Common name* : Baincha.

*Life form* : Shrub/small tree.

*Habitat* : Very comm. In scrub jungles, vill. Thickets & road side waste dry lands or railway tracks.

*Distribution* : South 24 Pgs. (Amtala, Harinbari).

192. *Flacourtia jangomas* (Lour.) Raeusch.

*Common name* : Paniala.

*Life form* : Small tree.

*Habitat* : Rarely cultivated.

*Distribution* : Nadia, Dinajpur, South 24 Pgs. (Falta), Koch Bihar, Jalpaiguri, Murshidabad and Maldah.

193. *Gynocardia odorata* R. Br.

*Life form* : Trees.

*Distribution* : Darjiling and Jalpaiguri.

Family POLYGALACEAE

194. *Polygala arillata* Buch.-Ham. ex D. Don

*Life form* : Shrub.

*Distribution* : Darjiling.

195. *Polygala arvensis* Willd.

*Life form* : Shrub.

*Distribution* : Through out West Bengal.

196. *Polygala crotarioides* Buch.-Ham. ex DC.

*Life form* : Herb.

*Distribution* : Birbhum, Barddhaman, Medinipur and Darjiling.

197. *Polygala erioptera* DC.

*Life form* : Shrub.

*Distribution* : Barddhaman and Puruliya.

198. *Polygala chinensis* L.

*Life form* : Ann. Herb.

*Habitat* : Comm. In pasture lands.

*Distribution* : Barddhaman, Maldah, Nadia, Dinajpur, Hugli, Bankura, Koch Bihar, North 24 Pgs. (Basirhat, Taki), Murshidabad, Kolkata and Medinipur.

199. *Polygala linarifolia* Humb. ex Willd.

*Life form* : Herb.

*Distribution* : Darjiling.

200. *Polygala longifolia* Poir.

*Life form* : Herb.

*Distribution* : Puruliya.

201. *Polygala siberica* L.  
Life form : Herb.  
Distribution : Darjiling.  
Family CARYOPHYLLACEAE
202. *Arenaria debilis* Hook.f.  
Life form : Herb.  
Distribution : Darjiling.
203. *Brachystemma calycinum* D. Don  
Life form : Annual herb.  
Distribution : Darjiling.
204. *Cerastium fontanum* Baumg.  
subsp. *triviale* (Link) Jalas  
Life form : Annual herb.  
Distribution : Darjiling.
205. *Cerastium glomeratum* Thuill.  
Life form : Annual herb.  
Distribution : Darjiling.
206. *Drymeria diandra* Blume  
Life form : Perennial herb.  
Distribution : Darjiling.
207. *Drymeria villosa* Cham. Schlecht.  
subsp. *villosa*  
Life form : Annual herb.  
Distribution : Darjiling.
208. *Polycarpaea corymbosa* (L.) Lam.  
Life form : Annual herb.  
Habitat : Common in sandy soil, river banks & on dry paddy fields.  
Distribution : Murshidabad, North 24 Pgs. (Shyamnagar), Jalpaiguri, Koch Bihar, Maldah, Nadia and Dinajpur.
209. *Polycarpon prostratum* (Forssk.)  
Asch. & Schwein. f.  
Life form : Herb.  
Habitat : Very comm. To all parts of the lower Ganga delta plain, on ditches, vill. Thickets,  
Distribution : Koch Bihar, Murshidabad, Maldah, Dinajpur, Jalpaiguri, Nadia, North 24 Pgs. (Kholapota/Basirhat), Haroa, Kolkata and Medinipur.
210. *Pseudostellaria heterantha*  
(Maxim) Pax ex pan & Hoffm.  
Life form : Perennial Herb.  
Distribution : Darjiling.
211. *Silene indica* Roxb. ex Otth  
Life form : Herb.  
Distribution : Darjiling.
212. *Spergula arvensis* L.  
Life form : Ann. Herb.  
Habitat : Rare in cultivated land in winter season.  
Distribution : Koch Bihar, Maldah, Murshidabad, South 24 Pgs. (Harinbari/Sagar Island), Jalpaiguri, Dinajpur, Nadia and Darjiling.
213. *Sagina japonica* (Sw.) Ohwi  
Life form : Annual herb.  
Distribution : Darjiling.
214. *Sagina procumbens* L.  
Life form : Herb.  
Distribution : Darjiling.
215. *Sagina saginoides* (L.) Karsten  
Life form : Perennial herb.  
Distribution : Darjiling.
216. *Saponaria officinalis* L.  
Life form : Perennial herb.  
Distribution : Darjiling.
217. *Spergula fallax* (Lowe) E. H. L.  
Krause  
Life form : Herb.  
Distribution : Bankura and Bardhaman.
218. *Stellaria decumbens* Edgew. var. *minor*  
Life form : Herb.  
Distribution : Darjiling.
219. *Stellaria lanata* Hook. f.  
Life form : Herb.  
Distribution : Darjiling.

220. *Stellaria media* (L.) Vill.

*Life form* : Herb.

*Habitat* : (Road side or waste lands).

*Distribution* : South 24 Pgs. (Gosaba, Sarsuna), Koch Bihar, Kolkata, Murshidabad, Medinipur, Nadia, Dinajpur, Darjiling, Jalpaiguri and Maldah.

221. *Stellaria monosperma* Buch.-Ham.  
var. *monosperma*

*Life form* : Straggling herb.

*Distribution* : Darjiling.

222. *Stellaria monosperma* Buch.-Ham.  
var. *paniculata* (Edgw.) Majumdar

*Life form* : Straggling herb.

*Distribution* : Darjiling.

223. *Stellaria patens* D. Don

*Life form* : Herb.

*Distribution* : Darjiling.

224. *Stellaria sikkimensis* Hook. f.

*Life form* : Decumbent herb.

*Distribution* : Darjiling.

225. *Stellaria subumbellata* Edgew.

*Life form* : Herb.

*Distribution* : Darjiling.

226. *Stellaria uliginosa* Murray

*Life form* : Herb.

*Distribution* : Darjiling.

227. *Stellaria vestita* Kurz

*Life form* : Herb.

*Distribution* : Darjiling.

228. *Vaccaria pyramidata* Medikus

*Life form* : Herb.

*Distribution* : Birbhum and South 24 Pgs.

229. *Dianthus chinensis* L.

*Life form* : Herb.

*Distribution* : North 24 Pgs.

230. *Dianthus caryophyllus* L.

*Life form* : Herb.

*Distribution* : South 24 Pgs.

231. *Dianthus barbatus* L.

*Life form* : Herb.

*Distribution* : South 24 Pgs.

232. *Gypsophila elegans* Bieb.

*Life form* : Herb.

*Distribution* : South 24 Pgs.

233. *Gypsophila paniculata*

*Life form* : Herb.

*Distribution* : North 24 Pgs.

Family PORTULACACEAE

234. *Portulaca oleracea* L.

*Common name* : Bara laniya.

*Life form* : Annual Herb.

*Habitat* : Common Weed in waste lands, road sides, railway tracts.

*Distribution* : Darjiling and South 24 Pgs. (Suparibhanga, Sunderban).

235. *Portulaca pilosa* L.

*Life form* : Succulent herb.

*Distribution* : Barddhaman and Medinipur.

236. *Portulaca quadrifida* L.

*Common name* : Chotta laniya.

*Life form* : Ann. Herb.

*Habitat* : road sides, railway tracts.

*Distribution* : Common throughout S. West Bengal and North 24 Pgs. (Manirampur/Barrackpur).

Family TAMARICACEAE

237. *Tamarix aphylla* (L.) Kanza

*Common name* : Lal-jhau.

*Life form* : Medium sized tree.

*Habitat* : Sandy & salty areas.

*Distribution* : North 24 Pgs. (Ichhapur).

238. *Tamarix dioica* Roxb.

*Common name* : Laljhau.

*Life form* : Shrub to small tree.

*Habitat* : River banks & the edge of marshy lands.

*Distribution* : South 24 Pgs. (Bamanpukuria/Minakhan).



239. **Tamarix ericoides** Rott. & Willd.  
*Life form* : Under shrub opr shrub.  
*Distribution* : River beds of West Bengal.

240. **Tamarix indica** Willd.  
*Life form* : Shrub or small tree.  
*Distribution* : Haora and South 24 Pgs.

Family ELATINACEAE

241. **Bergia ammannioides** Roxb. ex Roth  
*Common name* : Lal-keshuria.  
*Life form* : Annual Herb.  
*Habitat* : Common on the canal sides, paddy fields, river margins & marshy places.  
*Distribution* : North 24 Pgs. (Shyamnagar) and South 24 Pgs. (Sagar Island).

242. **Bergia capensis** L. (1771)  
*Common name* : Kesuria.  
*Life form* : Ann. Herb.  
*Habitat* : Rarely on the wet places in the paddy fields, road nalas.  
*Distribution* : North 24 Pgs. (Nilgunge/ Barrackpur).

Family CLUSIACEAE

243. **Calophyllum inophyllum** L.  
*Common name* : Kath Champa or Sultan Chmpa.  
*Life form* : Tree.  
*Habitat* : Commonly planted in gardens.  
*Distribution* : Haora, South 24 Pgs. (Sonarpur) and North 24 Pgs. (Titagarh).

244. **Calophyllum polyanthum** Wall. ex Choisy

*Life form* : Tree.  
*Distribution* : Terai region of W. Bengal.  
 245. **Garcinia cowa** Roxb.  
*Common name* : Kau.  
*Life form* : Dioecious tree.  
*Habitat* : Occasionally planted in gardens.  
*Distribution* : Darjiling, Puruliya, Medinipur, Koch Bihar, South 24 Pgs. (Baruipur), Jalpaiguri and Bankura.

246. **Garcinia stipulata** T. Anders.  
*Life form* : Tree.  
*Distribution* : Darjiling.

247. **Garcinia xanthochymus** Hook.f.  
*Life form* : Large tree.  
*Distribution* : Darjiling.

248. **Mammea suriga** (Ham. ex Roxb.)  
*Life form* : Tree.  
*Distribution* : throughout the plains.

249. **Mesua ferrea** L.  
*Life form* : Tree.  
*Distribution* : Plains of West Bengal.

250. **Mesua floribunda** (Wall.) Kosterm.  
*Life form* : Evergreen tree.  
*Distribution* : Darjiling.

Family DIPTEROCARPACEAE

251. **Hopea odorata** Roxb.  
*Life form* : Tree.  
*Distribution* : Hugli.

252. **Shorea robusta** Gaertn. f.  
*Common name* : Sal.  
*Life form* : Tree.  
*Habitat* : Very rare in the district North & South 24 Pgs.

*Distribution* : Bankura, Barddhaman, Darjiling, Hugli, Jalpaiguri, Puruliya, Koch Bihar and North 24 Pgs. (Nilganj).

253. **Vatica lanceaefolia** (Roxb.) Blume  
*Life form* : Tree.  
*Distribution* : Jalpaiguri.

Family MALVACEAE

254. **Abelmoschus crinitus** Wall.  
*Life form* : Herb.  
*Distribution* : Puruliya.

255. **Abelmoschus esculentus** (L.) Medikus  
*Common name* : Bhindi/Dherosh.  
*Life form* : Shrub/undershrub.  
*Habitat* : Cultivated.  
*Distribution* : Maldah, North 24 Pgs. (Barrackpur), Barddhaman, Dinajpur, Darjiling,

Koch Bihar, Hugli, Puruliya, Haora, Bankura, Murshidabad, Nadia, Jalpaiguri, Medinipur and Kolkata.

256. ***Abelmoschus ficulneus*** (L.) Wight.  
& Arn.

*Life form* : Herb & undershrub.

*Distribution* : Central and southern West Bengal.

257. ***Abelmoschus moschatus*** Medikus

*Common name* : Kalkastari or Mushak Dana'.

*Life form* : Ann. undershrub.

*Habitat* : Rarely seen on cultivated lands as a weed.

*Distribution* : Barddhaman, Koch Bihar, Hugli, Jalpaiguri, Medinipur and North 24 Pgs. (Nilgunj, Barrakpore).

258. ***Abutilon indicum*** (L.) Sweet

*Common name* : Petari/Jhampi.

*Life form* : Herb or undershrub.

*Habitat* : Very comm. In lower Ganga delta, found in loam soil, hedges, thickets.

*Distribution* : Koch Bihar, South 24 Pgs. (Kakdeep/Sundarban), Medinipur, Kolkata, Maldah, Nadia, Murshidabad, Hugli, Barddhaman, Haora and Jalpaiguri.

259. ***Abutilon mesapotamica*** (Spring.)  
Mill.

*Life form* : Shrub.

*Distribution* : Darjiling.

260. ***Abutilon persicum*** (Burm.f.) Merrill

*Life form* : Herb & undershrub.

*Distribution* : Throughout West Bengal.

261. ***Abutilon striatum*** Dickson & Lindl.

*Life form* : Shrub.

*Distribution* : Darjiling.

262. ***Abutilon theophrastii*** Medikus

*Life form* : Herb & Undershrub.

*Distribution* : South 24 Pgs.

263. ***Alcea rosea*** (L.) Cav.

*Common name* : Hollyhock.

*Life form* : Ann. Garden herb.

*Habitat* : Cultivated.

*Distribution* : North 24 Pgs. (Shyamnagar).

264. ***Fioria vitifolia*** (L.) Mattei

*Life form* : Herb & undershrub.

*Distribution* : Throughout West Bengal.

265. ***Gossypium barbadense*** L.

*Common name* : Kapastula.

*Life form* : Shrub.

*Habitat* : Cultivated in low lands.

*Distribution* : Hugli, Medinipur, Kolkata, South 24 Pgs. (Ghatur More/Amtala), Jalpaiguri, Barddhaman, Koch Bihar, Maldah, Haora, Murshidabad and Nadia.

266. ***Gossypium harbaceum*** L.

*Common name* : Kapastula.

*Life form* : Shrub.

*Habitat* : Cultivated in low lands.

*Distribution* : Barddhaman, Dinajpur, Haora, Maldah, Koch Bihar, Nadia, Jalpaiguri, Murshidabad, Hugli, South 24 Pgs. (Gosaba, Joygram/Minakhan), Medinipur and Kolkata.

267. ***Hibiscus cannabinus*** L.

*Common name* : Mestapat.

*Life form* : Prickly herb.

*Habitat* : Cultivated.

*Distribution* : North 24 Pgs. (Kazipara/Barasat).

268. ***Hibiscus mutabilis*** L.

*Common name* : Sthalpadma.

*Life form* : Small tree or shrub.

*Habitat* : Planted as ornamental garden plant.

*Distribution* : South 24 Pgs. (Dhanyakuria).

269. ***Hibiscus rosa-sinensis*** L.

*Common name* : Jaba.

*Life form* : Large shrub.

*Habitat* : Commonly cultivated as ornamental plant.

*Distribution* : South 24 Pgs. (Subuddhipur/ Baruipur).

270. ***Hibiscus sabdariffa*** L.

*Common name* : Chukar or Mesta.

*Life form* : Annual shrub.

*Habitat* : Very rare as a garden escape.

*Distribution* : South 24 Pgs. (Falta).

271. ***Hibiscus schizopetalus*** Hook. f.

*Common name* : Jhumka Jaba.

*Life form* : Shrub.

*Habitat* : Common in Village Gardens or in hedges.

*Distribution* : South 24 Pgs. (Gocharan).

272. ***Hibiscus tetraphyllus*** Roxb.

*Common name* : Ban-bendi.

*Life form* : Shrub.

*Habitat* : Village Thickets & waste places.

*Distribution* : North 24 Pgs. (Birati/ Saptagram).

273. ***Hibiscus tiliaceus*** L.

*Common name* : Bhola.

*Life form* : Much-branched tree.

*Habitat* : Common throughout the beach tidal forests in lower Ganga delta, forming thickets near shore.

*Distribution* : Kolkata, Murshidabad, Hugli, Haora, Barddhaman, Nadia, Koch Bihar, Medinipur, South 24 Pgs. (Chemaguri/Sagar Island), Jalpaiguri, Maldah and Dinajpur.

274. ***Hibiscus vitifolius*** L. (1753)

*Common name* : Ban Kapas.

*Life form* : Annual herb.

*Habitat* : Common in vill. Thickets & scrub jungles of railway tracts & road side waste lands.

*Distribution* : South 24 Pgs. (Haroa, Diamond Harbour).

275. ***Kydia calycina*** Roxb.

*Common name* : Pola or Bankapas.

*Life form* : Small tree.

*Habitat* : Hedges.

*Distribution* : Bankura, Barddhaman, Puruliya, Haora, North 24 Pgs. (Shyamnagar), Medinipur, Jalpaiguri and Koch Bihar.

276. ***Kydia jujubifolia*** Griff.

*Life form* : Tree.

*Distribution* : Darjiling.

277. ***Malachra capitata*** L.

*Common name* : Ban-Bhindi or Ban-Dheros.

*Life form* : Undershrub.

*Habitat* : Dry waste lands, along the railway lines & road side hedges & vill. Thickets.

*Distribution* : Jalpaiguri, Haora, Medinipur, Koch Bihar, Murshidabad, Kolkata, South 24 Pgs. (Canning/Malirdhar), Nadia and Hugli.

278. ***Malva rotundifolia*** L.

*Common name* : Lapha.

*Life form* : Herb.

*Habitat* : Garden escape.

*Distribution* : North 24 Pgs. (Nilganj/ Barrackpur).

279. ***Malva neglecta*** (Wall.) Roth

*Life form* : Annual herb.

*Distribution* : Darjiling.

280. ***Malva parviflora*** L.

*Life form* : Annual herb.

*Distribution* : Darjiling.

281. ***Malvaviscus arboreus*** Cav.

*Life form* : Shrub.

*Distribution* : Darjiling.

282. ***Malvastrum americanum*** (L.) Torr.

*Life form* : Herb.

*Distribution* : Kolkata and Haora.

283. ***Malvastrum coromandelianum***  
(L.) Garcke

*Life form* : Herb.

*Habitat* : Dry waste lands & vill. Surroundings.

*Distribution* : North 24 Pgs. (Bamanghata/Salt Lake).

284. ***Malvastrum konzattii*** Greenm.

*Common name* : Lanka Jaba.

*Life form* : Straggling shrub.

*Habitat* : Hedge plant.

*Distribution* : South 24 Pgs. (Joynagar).

285. ***Nayariophyton zizyphifolium***  
(Griff.) Long & Miller

*Life form* : Tree.

*Distribution* : Darjiling.

286. ***Pavonia repanda*** (Roxb. ex J. E. Sm.)  
Spreng

*Life form* : Herb.

*Distribution* : Darjiling.

287. ***Sida acuta*** Burm. f.

*Common name* : Kureta.

*Life form* : Undershrub.

*Habitat* : Dry waste lands, vill. Thickets, road side or along railway tracts.

*Distribution* : Darjiling, Murshidabad, Jalpaiguri, Dinajpur, Koch Bihar, Haora, Hugli, Medinipur, Nadia, Bardhaman, Kolkata, South 24 Pgs. (Dhapdhapi, Amtala) and Maldah.

288. ***Sida alba*** L.

*Life form* : Undeshrub or herb.

*Distribution* : Throughout West Bengal.

289. ***Sida cordifolia*** L.

*Common name* : Berela.

*Life form* : Herb.

*Habitat* : Weed of hedges, waste grounds & dry shady places

*Distribution* : Maldah, Koch Bihar, Jalpaiguri, Kolkata, Medinipur, Dinajpur, Nadia, Hugli, South 24 Pgs. (Subuddhipur/Baruipur), Haora and Murshidabad.

290. ***Sida glutinosa*** Commerson ex Cav.

*Life form* : Herb.

*Habitat* : Vill. Shrubberies.

*Distribution* : North 24 Pgs. (Barasat).

291. ***Sida rhombifolia*** L.

*Common name* : Lal Berala.

*Life form* : Undershrub.

*Habitat* : Common in waste lands & thickets.

*Distribution* : Nadia, Kolkata, Jalpaiguri, Haora, Medinipur, Murshidabad, Koch Bihar, Hugli, North 24 Pgs. (Magrahat, Barasat), Maldah and Dinajpur.

292. ***Sida rhombifolia*** L. var. ***retusa*** (L.)

*Common name* : Jangli Methi.

*Life form* : Shrub.

*Habitat* : Occasional in vill. Thickets.

*Distribution* : North 24 Pgs. (Barasat).

293. ***Sida spinosa*** L.

*Common name* : Swet Berela.

*Life form* : Shrub.

*Habitat* : Waste lands & along the road sides.

*Distribution* : South 24 Pgs. (Kulti).

294. ***Sida cordata*** (Burm.f.) Borss.

*Common name* : Junka.

*Life form* : Much branched herb.

*Habitat* : Waste lands & cult. Fields.

*Distribution* : North 24 Pgs. (Baruipur, Narikeldanga).

295. ***Thespesia lampas*** (Cav.) Dalz. & Gibs.

*Common name* : Ban Kapas.

*Life form* : Shrub.

*Habitat* : On the margin of tidal creeks of the mangrove forest.

*Distribution* : Hugli, Haora, Nadia, South 24 Pgs. (Sagar Island), Murshidabad and Medinipur.

296. ***Thespesia populneoides*** (Roxb.)  
Kostel.

*Common name* : Paras.

*Life form* : Small to medium sized tree.

*Habitat* : Very common throughout the mangrove reclaimed areas of Sundarban.

*Distribution* : Jalpaiguri and South 24 Pgs. (Naraharipur/Sagar Island).

297. ***Urena lobata*** L.

*Common name* : Ban Okra.

*Life form* : Undershrub.

*Habitat* : Wastelands, hedges & vill. Thickets.

*Distribution* : Nadia, Kolkata, South 24 Pgs. (Canning, Sarbaria), Hugli, Jalpaiguri, Koch Bihar, Haora, Barddhaman, Maldah, Murshidabad, Birbhum, Medinipur, Dinajpur and Darjiling.

298. ***Wissadula periplocifolia*** (L.) Presl.  
ex Thw.

*Life form* : Small shrub.

*Habitat* : Cultivated on vill. Gardens.

*Distribution* : South 24 Pgs. (Malirdhar/Canning).

Family BOMBACACEAE

299. ***Adansonia digitata*** L.

*Common name* : Gorakh-amli.

*Life form* : Tree.

*Habitat* : Occasionally planted as avenue tree.

*Distribution* : Nadia, Hugli, Dinajpur, Haora, Kolkata, North 24 Pgs. (Ghoshpur), Medinipur, Maldah, Haora, Barddhaman, Jalpaiguri, Murshidabad and Koch Bihar.

300. ***Bombax ceiba*** L.

*Common name* : Simul.

*Life form* : Spreading tree.

*Habitat* : Well planted in the vill. Areas.

*Distribution* : Murshidabad, South 24 Pgs. (Malancha/Minakhan), Bankura, Hugli, Barddhaman, Maldah, Jalpaiguri, Koch Bihar, Dinajpur, Birbhum, Kolkata, Puruliya, Medinipur, Haora and Nadia.

301. ***Ceiba pentandra*** (L.) Gaertn.

*Common name* : Swet Simu.

*Life form* : Tall tree.

*Habitat* : Occasionally planted in the vill. Areas & road sides.

*Distribution* : South 24 Pgs. (Minakhan).

Family STERCULIACEAE

302. ***Abroma augusta*** L. f.

*Common name* : Ulat Kambal.

*Life form* : Shrub.

*Habitat* : Dry waste places, roadsides & railway lines.

*Distribution* : Puruliya, Medinipur, Bankura, Jalpaiguri, Nadia, South 24 Pgs. (Joynagar) and Barddhaman.

303. ***Bytneria herbacea*** Roxb.

*Life form* : Herb.

*Distribution* : Medinipur and Puruliya.

304. ***Bytneria pilosa*** Roxb.

*Life form* : Woody climbing shrub.

*Distribution* : Darjiling.

305. ***Eriolaena hookariana*** Wight. & Arn.

*Common name* : Gona-goli.

*Life form* : Small tree.

*Habitat* : Planted in the garden.

*Distribution* : South 24 Pgs. (Nimichi/Bhebe).

306. ***Firmiana colorata*** (Roxb.) R.Br.

*Common name* : Sammari.

*Life form* : Large tree.

*Habitat* : Wild in vill. Surroundings, occasionally planted.

*Distribution* : South 24 Pgs. (Brace Bridge).

307. ***Guazuma ulmifolia*** Lam. var.  
***tomentosa*** (Kunth) Schum.

*Common name* : Nipal Tunth.

*Life form* : Medium sized tree.

*Habitat* : Shrubberies.

*Distribution* : Birbhum, Barddhaman, Jalpaiguri, Koch Bihar, Hugli, Dinajpur, Murshidabad, Kolkata, South 24 Pgs. (Brace Bridge), Nadia, Puruliya and Medinipur.

308. **Helicteres hirsuta** Lour.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
309. **Helicteres isora** L.  
*Life form* : Shrub.  
*Distribution* : Bankura, Medinipur and Puruliya.
310. **Heritiera fomes** Buch.-Ham.  
*Common name* : Sundari.  
*Life form* : Tall tree.  
*Habitat* : Mangroove.  
*Distribution* : South 24 Pgs. (Sundarban, Satzelia, Netidhopani).
311. **Heritiera littoralis** Dryand  
*Common name* : Sundari.  
*Life form* : Tree.  
*Habitat* : Found in back mangals & occasionally on the fringe area of the shore lines.  
*Distribution* : Kolkata, South 24 Pgs. (Ranigarh, Surjyapur) and Haora.
312. **Kleinhovia hospita** L.  
*Life form* : Tree.  
*Habitat* : Commonly planted as avenue tree.  
*Distribution* : South 24 Pgs. (Gosaba), Haora and Kolkata.
313. **Melochia corchorifolia** L.  
*Life form* : Herb or undershrub.  
*Distribution* : Throughout the plains.
314. **Melochia nodiflora** Sw.  
*Life form* : Shrub or undershrubs.  
*Distribution* : Haora.
315. **Pentapetes phoenicea** L.  
*Common name* : Katlata.  
*Life form* : Herb.  
*Habitat* : Weed of rice field & other marshy lands, cultivated as ornamental plant.  
*Distribution* : Haora, Kolkata and North 24 Pgs. (Gobardanga).
316. **Pterospermum acerifolium** Willd.  
*Common name* : Kanak Champa.  
*Life form* : Large tree.  
*Habitat* : Planted in gardens.  
*Distribution* : Puruliya, Dinajpur, Murshidabad, Nadia, Jalpaiguri, Hugli, Haora, Bankura, Maldah, Birbhum, Koch Bihar, Medinipur, Barddhaman, Kolkata and South 24 Pgs. (Baruipur).
317. **Pterospermum lanceaefolium** Roxb.  
*Common name* : Bankalla.  
*Life form* : Tree.  
*Habitat* : Commonly cultivated.  
*Distribution* : North 24 Pgs. (Sodepur).
318. **Pterospermum suberifolium** Lam.  
*Common name* : Muskunda.  
*Life form* : Small tree.  
*Habitat* : Rarely cultivated; few plants found in the Alipore Zoological Gardens, public gardens at Shyamnagar.  
*Distribution* : North 24 Pgs. (Alipore, Shymnagar).
319. **Pterospermum xylocarpum** (Gaertn.) Santapau & Wagh  
*Life form* : Tree.  
*Distribution* : Bankura.
320. **Pterygota alata** (Roxb.) R. Br.  
*Common name* : Buddha-Narikel.  
*Life form* : Large tree.  
*Habitat* : Commonly cultivated for its nut, as well as ornamental.  
*Distribution* : Kolkata, North 24 Pgs. (Dewanganj), Puruliya, Medinipur, Koch Bihar, Bankura, Barddhaman and Jalpaiguri.
321. **Reevesia wallichii** R. Br.  
*Life form* : Tree.  
*Distribution* : Darjiling.
322. **Sterculia foetida** L. (1753)  
*Common name* : Jangli Badam.  
*Life form* : Tall tree.

*Habitat* : Village gardens.

*Distribution* : Jalpaiguri, Barddhaman, Medinipur, North 24 Pgs. (Malatipur/Deganga), Puruliya, Kolkata, Koch Bihar and Bankura.

323. *Sterculia hamiltonii* (O. Kutze.)  
Adelb.

*Life form* : Shrub or small tree.

*Distribution* : Koch Bihar, Jalpaiguri and Darjiling.

324. *Sterculia roxburghii* Wall.

*Life form* : Tree.

*Distribution* : Jalpaiguri.

325. *Sterculia urens* Roxb. (1795)

*Common name* : Keonji.

*Life form* : Large tree.

*Habitat* : Avenue tree in the gardens & roadsides.

*Distribution* : South 24 Pgs. (Madarhat/Baruipur).

326. *Sterculia villosa* Roxb. (1832)

*Common name* : Udal.

*Life form* : Tree.

*Habitat* : Planted in the gardens & roadsides.

*Distribution* : Medinipur, Puruliya, Barddhaman, Koch Bihar, Jalpaiguri, South 24 Pgs. (Brace Bridge), Kolkata and Bankura.

327. *Waltheria indica* L. (1753)

*Common name* : Khardundhi.

*Life form* : Herb.

*Habitat* : Common weed in cult. Fields.

*Distribution* : North 24 Pgs. (Bhasila/Barasat).

Family TILIACEAE

328. *Brownlowia tersa* (L.) Kosterm

*Common name* : Bholi Sundri.

*Life form* : Medium tree.

*Habitat* : Occasionally in mangrove swamp forest of Sundarban.

*Distribution* : Koch Bihar, Bankura, South 24 Pgs. (Satzelia, Sunderban), Kolkata,

Medinipur, Jalpaiguri, Maldah, Nadia, Hugli, Haora, Murshidabad and Barddhaman.

329. *Corchorus aestuans* L. (1759)

*Common name* : Tita pat.

*Life form* : Suffruticose herb.

*Habitat* : Commonly cultivated or in waste places & among hedges of the gardens.

*Distribution* : Medinipur, Dinajpur, Haora, Maldah, Nadia, Barddhaman, Murshidabad, Koch Bihar, Kolkata, South 24 Pgs. (Nimpith, Budge Budge), Hugli and Jalpaiguri.

330. *Corchorus capsularis* L. (1753)

*Common name* : Pat.

*Life form* : Annual shrub.

*Habitat* : Commonly cultivated in moist places throughout the lower Ganga delta, in wastelands & roadsides.

*Distribution* : North 24 Pgs. (Naihati).

331. *Corchorus olitorius* L. (1753).

*Common name* : Pat.

*Life form* : Herb or undershrub.

*Habitat* : Commonly cultivated.

*Distribution* : Jalpaiguri, Kolkata, Koch Bihar, Puruliya, Dinajpur, Medinipur, Haora, Hugli, Maldah, North 24 Pgs. (Habra) and Nadia.

332. *Corchorus trilocularis* L.

*Life form* : Herb.

*Distribution* : South 24 Pgs.

333. *Grewia asiatica* L.

*Common name* : Phalsa.

*Life form* : Tree.

*Habitat* : Cultivated in waste lands, village thickets & shrubberies.

*Distribution* : Throughout the plains.

334. *Grewia flavescens* Juss.

*Life form* : Small tree.

*Distribution* : Puruliya.

335. *Grewia hirsuta* Vahl

*Life form* : Shrub.

*Distribution* : Terai and Duars of West Bengal.

336. ***Grewia sapida*** Roxb. ex DC.  
*Common name* : "Phalsa-Tenga"  
*Life form* : Shrub.  
*Distribution* : Jalpaiguri, Darjiling, Medinipur and Puruliya.
337. ***Grewia serrulata*** Vahl  
*Life form* : Tree.  
*Distribution* : Barddhaman, Puruliya, Maldah and Medinipur.
338. ***Triumfetta annua*** L.  
*Life form* : Herb.  
*Distribution* : Darjiling.
339. ***Triumfetta pentandra*** A. Rich.  
*Life form* : Herb.  
*Distribution* : In plains.
340. ***Triumfetta pilosa*** Roth  
*Life form* : Herbs or undershrubs.  
*Distribution* : Darjiling.
341. ***Triumfetta rhomboidea*** Jacq. (1760)  
*Common name* : Ban Okra.  
*Life form* : Suffruticose herb or undershrub.  
*Habitat* : Very common on wastelands & railway tracts.  
*Distribution* : Nadia, Murshidabad, Hugli, Koch Bihar, Haora, Dinajpur, Medinipur, Puruliya, Maldah, South 24 Pgs. (Sasan Road/ Baruipur), Kolkata, Bankura and Jalpaiguri.  
 Family ELAEOCARPACEAE
342. ***Elaeocarpus ganitrus*** Roxb. (1824)  
*Common name* : Rudrakia.  
*Life form* : Medium tree.  
*Habitat* : Planted in gardens or in the roadsides.  
*Distribution* : Kolkata (Alipore) and Haora.
343. ***Elaeocarpus serratus*** L.  
*Life form* : Small tree.  
*Distribution* : Jalpaiguri and South 24 Pgs.
344. ***Elaeocarpus sphaericus*** (Gaertn.) Schum.  
*Life form* : Tree.  
*Distribution* : Jalpaiguri.
345. ***Elaeocarpus tectorius*** (Lour.) Poir.  
*Life form* : Tree.  
*Distribution* : Jalpaiguri.
346. ***Elaeocarpus varunua*** Buch.-Ham.  
*Life form* : Tree.  
*Distribution* : Jalpaiguri.
347. ***Mutingia calabura*** L. (1753)  
*Common name* : Suji Phal.  
*Life form* : Small tree.  
*Habitat* : Introduced an escape along the railway tracts, in the building debris and protected waste lands.  
*Distribution* : Jalpaiguri, Koch Bihar, Bankura, Murshidabad, Nadia, Kolkata, Medinipur, South 24 Pgs. (Ghoshpur/Kulti), Maldah and Puruliya.
348. ***Sloanea sterculiacea*** (Benth.) Rehder & Wilson  
*Life form* : Tree.  
*Distribution* : Jalpaiguri.  
 Family LINACEAE
349. ***Anisadenia khasyana*** Griff.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
350. ***Linum usitatissimum*** L. (1753)  
*Common name* : Tisi.  
*Life form* : Annual herb.  
*Habitat* : Mostly cultivated as a crop, also seen as an escape near the cultivated fields & waste lands.  
*Distribution* : Murshidabad, Nadia, Hugli, Kolkata, Dinajpur, Jalpaiguri, Medinipur, Puruliya, South 24 Pgs. (Dhopagachhi/ Kalyanpur), Birbhum, Maldah, Haora, Barddhaman, Bankura, Koch Bihar and Darjiling.
351. ***Reinwardtia cicanoba*** (Buch.-Ham. ex DC.) Hara  
*Life form* : Under Shrub.  
*Distribution* : Darjiling.
352. ***Reinwardtia indica*** Dumort  
*Life form* : Under Shrub.  
*Distribution* : Darjiling.



Family MALPIGHIACEAE

353. *Aspidopteris balakrishnanii*  
Srivastava

*Life form* : Woody Climber.

*Distribution* : Jalpaiguri.

354. *Aspidopteris nutans* (Roxb. ex DC.)  
Juss

*Life form* : Woody climber.

*Distribution* : Darjiling.

355. *Aspidopteris rotundifolia* A. Juss.  
(1840)

*Life form* : Climbing shrub.

*Habitat* : Vill. Thickets.

*Distribution* : North 24 Pgs. (Palta/  
Barrackpur).

356. *Hiptage benghalensis* (L.) Kurz (1874)

*Common name* : Basanti.

*Life form* : Climbing shrub.

*Habitat* : Common in gardens.

*Distribution* : North 24 Pgs. (Baguihati).

Family ZYGOPHYLLACEAE

357. *Kallstroemia pubescens* (G. Don)  
Dandy (1955)

*Life form* : Trailing annual herb.

*Habitat* : Along railway lines & canal  
margin.

*Distribution* : North 24 Pgs. (Shyamnagar).

358. *Tribulus terrestris* L. (1753)

*Common name* : Gokhure.

*Life form* : Annual herb.

*Habitat* : Rarely found on the waste places,  
near river banks, paddy fields & dry waste  
lands.

*Distribution* : Kolkata, Jalpaiguri, Haora,  
Murshidabad, Hugli, Koch Bihar, Maldah,  
Medinipur, South 24 Pgs. (Kulpi) and Dinajpur.

Family OXALIDACEAE

359. *Averrhoa carambola* L. (1753)

*Common name* : Kamranga.

*Life form* : Small to medium tree.

*Habitat* : Planted in the garden.

*Distribution* : Hugli, Jalpaiguri, Haora,  
Barddhaman, Kolkata, South 24 Pgs.  
(Bireswarpur near Kulpi), Nadia and  
Medinipur.

360. *Biophytum reinwardtii* (Zucc.)  
Walp.

*Life form* : Herb.

*Distribution* : Jalpaiguri.

361. *Biophytum sensitivum* (L.) DC.  
(1824)

*Common name* : Bannanga or Jhalai.

*Life form* : Annual herb.

*Habitat* : Waste places.

*Distribution* : South 24 Pgs. (Dewangunj,  
Behala).

362. *Oxalis acetosella* L. var *griffithii*  
(Edgw. & Hook. f.) Hara

*Life form* : Perennial herb.

*Distribution* : Darjiling.

363. *Oxalis corniculata* L. (1753)

*Common name* : Amrul.

*Life form* : Herb.

*Habitat* : Very common on the shady &  
waste places.

*Distribution* : Murshidabad, Barddhaman,  
Hugli, Haora, Darjiling, Jalpaiguri, Puruliya,  
Maldah, Dinajpur, Nadia, Koch Bihar,  
Medinipur, Kolkata, South 24 Pgs. (Brace  
Bridge, Behala) and Bankura.

364. *Oxalis martiana* Zucc.

*Life form* : Geophyte.

*Distribution* : Darjiling.

365. *Oxalis latifolia* Kunth (1821)

*Common name* : Khatmitthi.

*Life form* : Herb.

*Habitat* : Rarely found on the waste,  
marshy lands.

*Distribution* : South 24 Pgs. (Santoshpur)  
and Darjiling.

366. *Oxalis tetraphylla* Cav.

*Life form* : Geophyte.

*Distribution* : Darjiling.

Family BALSAMINACEAE

367. *Hydrocera triflora* Wight. & Arn.  
(1834)

*Common name* : Domuti.

*Life form* : Herb.

*Habitat* : Mostly cultivated, rarely as garden escape.

*Distribution* : Medinipur, Hugli, Haora, Murshidabad, Koch Bihar, Nadia, Jalpaiguri, South 24 Pgs. (Goranbose) and Kolkata.

368. *Impatiens angustiflora* Hook.f.

*Life form* : Herb.

*Distribution* : Darjiling.

369. *Impatiens arguta* Hook. f. & Thoms.

*Life form* : Annual herb.

*Distribution* : Darjiling.

370. *Impatiens balsamina* L.

*Life form* : Annual herb.

*Distribution* : Darjiling.

371. *Impatiens bicornuata* Wall.

*Life form* : Annual herb.

*Distribution* : Darjiling.

372. *Impatiens bracteata* Colebr.

*Life form* : Herb.

*Distribution* : Darjiling.

373. *Impatiens cathcartii* Hook. f. &  
Thoms.

*Life form* : Undershrub.

*Distribution* : Darjiling.

374. *Impatiens chinensis* L.

*Life form* : Herb.

*Distribution* : Darjiling.

375. *Impatiens cymbifera* Hook.f.

*Life form* : Herb.

*Distribution* : Darjiling.

376. *Impatiens decipiens* Hook. f.

*Life form* : Herb.

*Distribution* : Darjiling.

377. *Impatiens discolor* DC.

*Life form* : Annual herb.

*Distribution* : Darjiling.

378. *Impatiens exilis* Hook.f.

*Life form* : Herb.

*Distribution* : Darjiling.

379. *Impatiens falcifer* Hook.f.

*Life form* : Herb.

*Distribution* : Darjiling.

380. *Impatiens florifera* C. B. Clarke

*Life form* : Herb.

*Distribution* : Darjiling.

381. *Impatiens gamblei* Hook.f.

*Life form* : Herb.

*Distribution* : Darjiling.

382. *Impatiens gammiei* Hook. f.

*Life form* : Herb.

*Distribution* : Darjiling.

383. *Impatiens graciliflora* Hook.f.

*Life form* : Herb.

*Distribution* : Darjiling.

384. *Impatiens jurpia* Buch.-Ham ex  
Hook. f. & Thoms.

*Life form* : Tall herb.

*Distribution* : Darjiling.

385. *Impatiens longipes* Hook.f.

*Life form* : Annual herb.

*Distribution* : Darjiling.

386. *Impatiens porrecta* Wall.ex Hook.f.  
& Thoms.

*Life form* : Annual herb.

*Distribution* : Darjiling.

387. *Impatiens puberula* DC.

*Life form* : Annual herb.

*Distribution* : Darjiling.

388. *Impatiens pulchra* Hook. f. & Thoms.

*Life form* : Annual herb.

*Distribution* : Darjiling.

389. *Impatiens racemosa* DC.  
Life form : Annual herb.  
Distribution : Darjiling.
390. *Impatiens radiata* Hook.f.  
Life form : Annual herb.  
Distribution : Darjiling.
391. *Impatiens scabrida* DC.  
Life form : Herb.  
Distribution : Darjiling.
392. *Impatiens scitula* Hook.f.  
Life form : Succulent herb.  
Distribution : Darjiling.
393. *Impatiens spirifer* Hook.f.  
Life form : Herb.  
Distribution : Darjiling.
394. *Impatiens stenantha* Hook. f.  
Life form : Annual herb.  
Distribution : Darjiling.
395. *Impatiens sulcata* Wall.  
Life form : Herb.  
Distribution : Darjiling.
396. *Impatiens trilobata* Colebr.  
Life form : Tall herb.  
Distribution : Darjiling.
397. *Impatiens tripetale* Roxb. ex DC.  
Life form : Herb.  
Distribution : Darjiling.
398. *Impatiens tuberculata* Hook.f. &  
Thoms.  
Life form : Herb.  
Distribution : Darjiling.
399. *Impatiens uncipectala* C. B. Clarke  
Life form : Herb.  
Distribution : Darjiling.
400. *Impatiens urticifolia* Wall.  
Life form : Herb.  
Distribution : Darjiling.
401. *Impatiens wallichii* Hook.f.  
Life form : Herb.  
Distribution : Darjiling.

## Family RUTACEAE

402. *Acronychia pedunculata* (L.) Miq  
Life form : Small tree.  
Distribution : Jalpaiguri and South 24 Pgs.
403. *Aegle marmelos* (L.) Corr.  
Common name : Bel.  
Life form : Tree.  
Distribution : Throughout plains.
404. *Atalantia missionis* Wight Oliver  
Life form : Small thorny tree.  
Distribution : Bardhaman.
405. *Boeninghousenia albiflora* (Hook.)  
Reiehb Meisn  
Life form : Shrub.  
Distribution : Darjiling.
406. *Citrus aurantifolia* (Christm.)  
Swingle (1912)  
Common name : Kagzilebu.  
Life form : Shrub/small tree.  
Habitat : Planted in the orchard & on the  
pond sides, also planted as hedge plant.  
Distribution : Maldah, Medinipur, South 24  
Pgs. (Baruipur), Murshidabad, Koch Bihar,  
Dinajpur, Nadia, Hugli, Kolkata, Haora and  
Jalpaiguri.
407. *Citrus maxima* (Burm. f.) Merr. (1917)  
Common name : Batabi Lebu.  
Life form : Shrub.  
Habitat : Planted in the orchard of the  
villages.  
Distribution : Jalpaiguri, Koch Bihar, North  
24 Pgs. (Dewanganj).
408. *Citrus medica* L. (1753)  
Common name : Patilebu.  
Life form : Shrub.  
Habitat : Planted in the orchard of the  
villages.  
Distribution : Koch Bihar, South 24 Pgs.  
(Harinbari/Sagar Island) and Darjiling.
409. *Citrus medica* var. *limonum* (Wight  
& Aru.) Hook. f. (1875)  
Common name : Karna Lebu.

- Life form* : Shrub.  
*Habitat* : Planted in the orchard.  
*Distribution* : South 24 Pgs. (Brace Bridge).
410. ***Clausena dentata*** (Willd.) Roem.  
*Life form* : Shrub.  
*Distribution* : Darjiling and Jalpaiguri.
411. ***Clausena excavata*** Burm. f.  
*Life form* : Undershrub or small tree.  
*Distribution* : Darjiling and Jalpaiguri.
412. ***Clausena pentaphylla*** DC.  
*Life form* : Shrub.  
*Distribution* : Darjiling and Jalpaiguri.
413. ***Evodia trichotoma*** (Lour.) Planch.  
*Life form* : Tree.  
*Distribution* : Darjiling.
414. ***Evodia glaberifolia*** (Champ.) Balakr.  
*Life form* : Tall tree.  
*Distribution* : Darjiling and Jalpaiguri.
415. ***Evodia lunuankenda*** (Gaertn.) Merr.  
*Life form* : Tree.  
*Distribution* : Darjiling and Jalpaiguri.
416. ***Feronia limonia*** (L.) Swingle ( 1914)  
*Common name* : Kathbel.  
*Life form* : Large tree.  
*Habitat* : Self shown, planted in the garden edges and as avenue tree.  
*Distribution* : Dinajpur, Kolkata, Barddhaman, Nadia, Puruliya, Bankura, Medinipur, Murshidabad, Haora, Birbhum, Maldah, Jalpaiguri, Hugli and South 24 Pgs. (Gadkhal).
417. ***Glycosmis mauritiana*** (Lam.)  
Tanaka (1928)  
*Common name* : Sheora.  
*Life form* : Shrub.  
*Habitat* : Moist places.  
*Distribution* : South 24 Pgs. (Baruipur).
418. ***Glycosmis pentaphylla*** (Retz.) DC.  
*Common name* : Arsaora.  
*Life form* : Shrub/small tree.
- Habitat* : Waste lands, hedges, thickets, roadsides.  
*Distribution* : Birbhum, Maldah, Haora, North 24 Pgs. (Shyamnagar), Nadia, Dinajpur, Kolkata, Barddhaman, Puruliya, Jalpaiguri, Hugli, Darjiling, Bankura, Murshidabad and Medinipur.
419. ***Limonia accidissima*** L.  
*Life form* : Tree.  
*Distribution* : Cultivated in plains.
420. ***Luvunga scandens*** (Roxb.) Buch.-Ham. ex Wight  
*Life form* : shrub.  
*Distribution* : Sunderban.
421. ***Murraya koenigii*** (L.) Jack. (1820)  
*Common name* : Kamini.  
*Life form* : Shrub/small tree.  
*Habitat* : Commonly cultivated.  
*Distribution* : Darjiling and North 24 Pgs. (Birati).
422. ***Murraya paniculata*** (L.) Jack  
*Life form* : Shrub or small tree.  
*Habitat* : Cultivated.  
*Distribution* : South 24 Pgs.
423. ***Paramigyna monophylla*** Wight  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.
424. ***Skimmia arborescens*** T. Anders.  
*Life form* : Subscandent hrub.  
*Distribution* : Darjiling.
425. ***Skimmia laureola*** (DC.) Sieb & Zucc.  
ex Walp.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
426. ***Todalia asiatica*** (L.) Lam  
*Life form* : Shrub.  
*Distribution* : Darjiling.
427. ***Zanthoxylum acanthopodium*** DC.  
*Life form* : Tree.  
*Distribution* : Darjiling.

428. *Zanthoxylum armatum* DC.  
*Life form* : Small tree.  
*Distribution* : Darjiling and Jalpaiguri.
429. *Zanthoxylum nitidum* (Roxb.) DC.  
*Life form* : Scandent shrub.  
*Distribution* : Darjiling and Jalpaiguri.
430. *Zanthoxylum ovalifolium* Wight  
*Life form* : Trees or shrub.  
*Distribution* : Darjiling and Jalpaiguri.
431. *Zanthoxylum oxyphyllum* Edgw.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
432. *Zanthoxylum rhitza* (Roxb.) DC.  
*Life form* : Trees.  
*Distribution* : Darjiling.  
 Family SIMAROUBACEAE
433. *Ailanthus excelsa* Roxb. (1795)  
*Common name* : Madala.  
*Life form* : Large tree.  
*Habitat* : Common as avenue tree.  
*Distribution* : Bankura, North 24 Pgs. (Titagar), Puruliya, Murshidabad, Kolkata, Jalpaiguri, Dinajpur, Haora, Koch Bihar, Birbhum, Maldah and Nadia.
434. *Brucea mollis* Wall. ex Kurz  
*Life form* : Shrub.  
*Distribution* : Darjiling.
435. *Picrasma javanica* Blume  
*Life form* : Trees.  
*Distribution* : Jalpaiguri.  
 Family OCHNACEAE
436. *Ochna obtusata* DC.  
*Life form* : Shrub or small tree.  
*Distribution* : Bankura, Haora and N. Bengal.
437. *Ochna pumila* Buch.-Ham. ex DC.  
*Life form* : Undeshrub.  
*Distribution* : Medinipur, N. Bengal and Puruliya.
438. *Ochna squarrosa* L. (1762)  
*Life form* : Large shrub or small tree.  
*Habitat* : Hedges & gardens.  
*Distribution* : North 24 Pgs. (Titagarh).  
 Family BURSERACEAE
439. *Boswellia serrata* Roxb. ex Colebr.  
*Life form* : Tree.  
*Distribution* : Barddhaman and Puruliya.
440. *Bursera serrata* Wall. ex Colebr.  
*Life form* : Tree.  
*Distribution* : Medinipur and Puruliya.
441. *Canarium strictum* Roxb.  
*Life form* : Tree.  
*Distribution* : Darjiling.
442. *Garuga gamblei* King ex Smith  
*Life form* : Trees.  
*Distribution* : Darjiling and N. Bengal.
443. *Garuga pinnata* Roxb. (1811)  
*Common name* : Nilbhadi.  
*Life form* : Tree.  
*Habitat* : Rarely found on the village jungles.  
*Distribution* : Hugli, Maldah, Barddhaman, Murshidabad, Puruliya, Dinajpur, South 24 Pgs. (Dhopagachhi/Baruipur), Medinipur, Jalpaiguri, Bankura and Koch Bihar.  
 Family MELIACEAE
444. *Aglaia cucullata* (Roxb.) Pellegrin. (1819)  
*Common name* : Amur.  
*Life form* : Medium tree.  
*Habitat* : Mangrove forest of Sundarban, along the side of tidal canals & creeks; swamp forest.  
*Distribution* : South 24 Pgs. (Henri Island/Bakkhali).
445. *Amoora cucullata* Roxb.  
*Life form* : Tree.  
*Distribution* : Occasional in 24 Pgs.

446. ***Aphanamixis polystachya*** (Wall.)  
Parker (1931)  
*Common name* : Tikta Raj.  
*Life form* : Small tree.  
*Habitat* : Thickets, Village Shrubberies, occasionally cultivated.  
*Distribution* : North 24 Pgs. (Roynagar/Barasat).
447. ***Azadirachta indica*** L. A. Juss. (1830)  
*Common name* : Neem.  
*Life form* : Large tree.  
*Habitat* : Roadsides & Village Shrubberies, common.  
*Distribution* : Hugli, Maldah, Haora, Jalpaiguri, Nadia, Bankura, Koch Bihar, North 24 Pgs. (Every where in the district), Dinajpur, Kolkata, Medinipur, Puruliya, Barddhaman and Murshidabad.
448. ***Chisocheton paniculatus*** (Roxb.)  
Hiern  
*Life form* : Medium size tree.  
*Distribution* : Jalpaiguri.
449. ***Chukrasia tabularis*** A. Juss.  
*Life form* : Tree.  
*Distribution* : Koch Bihar and Jalpaiguri.
450. ***Cipadessa baccifera*** (Roth) Miq  
*Life form* : Small shrub.  
*Habitat* : Very rare, found along the railway tracts & waste places.  
*Distribution* : South 24 Pgs. (Baguihati, Kestopur).
451. ***Dysoxylum binectariferum*** Hook.f.  
& Beddóme  
*Life form* : Small tree.  
*Distribution* : Jalpaiguri.
452. ***Melia azedarach*** L. (1753)  
*Common name* : Maha Neem.  
*Life form* : Medium sized tree.  
*Habitat* : Planted as avenue tree or in the railway stations.  
*Distribution* : Medinipur, South 24 Pgs. (Rabindra Sarabar), Maldah, Hugli, Dinajpur, Murshidabad, Kolkata, Nadia, Jalpaiguri, Birbhum, Haora, Barddhaman, Bankura, Puruliya and Koch Bihar.
453. ***Soymida febrifuga*** A. Juss.  
*Life form* : Tall tree.  
*Distribution* : Medinipur and Puruliya.
454. ***Swietenia macrophylla*** King  
*Life form* : Tree.  
*Distribution* : Cultivated.
455. ***Swietenia mahagoni*** Jacq. (1760)  
*Common name* : Mahagony.  
*Life form* : Large tree.  
*Habitat* : Planted as avenue tree or privet garden.  
*Distribution* : South 24 Pgs. (Majerhat), Koch Bihar and Jalpaiguri.
456. ***Toona ciliata*** Roem. & Schult. (1846)  
*Common name* : Tunt.  
*Life form* : Large tree.  
*Habitat* : Vill. Shrubberies.  
*Distribution* : Jalpaiguri, Koch Bihar and North 24 Pgs. (Chandpara/Gobardanga).
457. ***Xylocarpus gangeticus*** C.E.  
Parkinson  
*Life form* : Tree.  
*Distribution* : North 24 Pgs.
458. ***Xylocarpus granatum*** Koeng. (1784)  
*Common name* : Dhundul.  
*Life form* : Medium tree.  
*Habitat* : Very common on the side of tidal creeks, river sides and intertidal mangrove forests of Sunderban.  
*Distribution* : South 24 Pgs. (Satzelia/Sunderban).
459. ***Xylocarpus mekongensis*** Piere  
(1897)  
*Common name* : Pasur.  
*Life form* : Medium tree.  
*Habitat* : Very common on the tidal and intertidal mangrove forests of Sundarban.  
*Distribution* : South 24 Pgs. (Harinbari) and Medinipur.

## Family OLACACEAE

460. *Olex nana* Wall. (1832) ex Benth*Life form* : Low undershrub.*Habitat* : Village thickets, associated with species of *Lantana*, *Croton* & *Euphorbia*.*Distribution* : South 24 Pgs. (Narendrapur/Kamalgachhi).461. *Olex scandens* Roxb*Life form* : Climbing shrub.*Distribution* : Bankura, Birbhum, Malda, Puruliya and Medinipur.

## Family CELASTRACEAE

462. *Bhesa robusta* (Roxb.) Ding Hou*Life form* : Tree.*Distribution* : Darjiling.463. *Cassine glauca* (Rottb.) O. Kuntze  
(1891)*Common name* : Chikyeng.*Life form* : Small tree.*Habitat* : Occasionally planted as ornamental tree.*Distribution* : South 24 Pgs. (Bhangar).464. *Celastrus dependens* Wall.*Life form* : Shrubby climber.*Distribution* : Darjiling.465. *Celastrus hookeri* Prain*Life form* : Shrub.*Distribution* : Jalpaiguri.466. *Celastrus monospermus* Roxb.*Life form* : Shrubby climber.*Distribution* : Darjiling.467. *Celastrus paniculatus* Willd.*Life form* : Climbing shrub.*Distribution* : Bankura, Bardhaman, Maldah and Puruliya.468. *Celastrus stylosus* Wall.*Life form* : Shrubby climber.*Distribution* : Darjiling.469. *Erythralum vagum* (Griff.) Mast.*Life form* : Climber.*Distribution* : Darjiling.470. *Euonymus attenuatus* Wall. Laws.*Life form* : Tree.*Distribution* : Darjiling and Jalpaiguri.471. *Euonymus echinatus* Wall.*Life form* : Epiphytic undershrub.*Distribution* : Darjiling.472. *E. fimbriatus* Wall.*Life form* : Tree.*Distribution* : Darjiling.473. *E. hamiltonianus* Wall.*Life form* : Small tree.*Distribution* : Darjiling.474. *Euonymus frigidus* Wall.*Life form* : Shrub.*Distribution* : Darjiling.475. *E. elongatus* (Cowan & Cowan) Hara*Life form* : Shrub.*Distribution* : Darjiling.476. *Euonymus theifolius* Wall. ex Laws.*Distribution* : Darjiling.477. *E. tingens* Wall.*Life form* : Tree.*Distribution* : Darjiling.478. *Euonymus vagans* Wall.*Life form* : Undershrub.*Distribution* : Darjiling.479. *Euonymus vibernoides* Prain*Life form* : Epiphytic undershrub.*Distribution* : Darjiling.480. *Maytenus emarginata* (Willd.) Ding  
Hou*Life form* : Shrub.*Distribution* : Puruliya.481. *M. hookeri* Loes*Life form* : Shrub.*Distribution* : Darjiling.482. *Maytenus rufa* (Wall.) Hara*Life form* : Shrub.*Distribution* : Darjiling.

483. **Maytenus Thomsonii** (Kurz) Raju & Babu  
*Life form* : Shrub.  
*Distribution* : Darjiling.
484. **Microtropis discolor** (Wall.) Arn.  
*Life form* : Small tree.  
*Distribution* : Darjiling and Jalpaiguri.  
 Family HIPPOCRATEACEAE
485. **Salacia chinensis** L. (1763)  
*Common name* : Madhu Phal.  
*Life form* : Straggling or climbing shrub.  
*Habitat* : River banks of the Sundarban, river hedges or shrubby on small forest belt.  
*Distribution* : South 24 Pgs. (Herobhanga/Dhosha).  
 Family RHAMNACEAE
486. **Berchemia flavescens** (Wall.) Brongn.  
*Life form* : Climbing shrub.  
*Distribution* : Darjiling.
487. **B. floribunda** (Wall.) Brongn.  
*Life form* : Climbing shrub.  
*Distribution* : Darjiling.
488. **Gouania napalensis** Wall.  
*Life form* : Climbing shrub.  
*Distribution* : Darjiling.
489. **G. tiliaefolia** Lam.  
*Life form* : Climbing shrub.  
*Distribution* : Bankura, Haora and Jalpaiguri.
490. **Hovenia dulcis** var. **acerba** (Lindl.) Sengupta & Safui  
*Life form* : Tree.  
*Distribution* : Darjiling.
491. **Rhamnus napalensis** (Wall.) Lawson  
*Life form* : Tree.  
*Distribution* : Darjiling.
492. **Rhamnus purpureus** Edgw.  
*Distribution* : Darjiling.
493. **Rhamnus virgatus** Roxb.  
*Life form* : Shrub or small tree.  
*Distribution* : Darjiling.
494. **Ventilago denticulata** Willd.  
*Life form* : Climbing shrub.  
*Distribution* : Barddhaman.
495. **Ventilago madraspatana** Gaertn. (1788)  
*Common name* : Rakta pita.  
*Life form* : Large woody climber.  
*Habitat* : Very rare, occasionally climbing on vill. Thickets.  
*Distribution* : South 24 Pgs. (Dakkhin Barasat).
496. **Ziziphus apetala** Hook.f. ex Lawson  
*Life form* : Shrub.  
*Distribution* : Darjiling and Jalpaiguri.
497. **Ziziphus funiculosa** Buch.-Ham. ex Lawson  
*Life form* : Scrambling shrub.  
*Distribution* : North West Bengal.
498. **Ziziphus mauritiana** Lam. (1789)  
*Common name* : Kul.  
*Life form* : Small medium tree.  
*Habitat* : Shrubberies.  
*Distribution* : Kolkata, Haora, Murshidabad, Barddhaman, Birbhum, Jalpaiguri, Hugli, Koch Bihar, Maldah, Nadia, Puruliya, South 24 Pgs. (Ghoshpur/Kulti), Medinipur, Bankura and Dinajpur.
499. **Ziziphus nummularia** (Burm.f.) Wight & Arn.  
*Life form* : Bushy shrub.  
*Distribution* : Puruliya.
500. **Ziziphus oenoplia** (L.) Miller (1768)  
*Common name* : Siakul' or 'Bikul'.  
*Life form* : Straggling or climbing shrub.  
*Habitat* : Shrubberies, roadside thickets, railway tracts, dry waste lands.  
*Distribution* : Puruliya, Hugli, Haora, South 24 Pgs. (Masjidbati, Garia), Medinipur, Kolkata and Barddhaman.
501. **Ziziphus rugosa** Lam.  
*Life form* : Shrub or small tree.  
*Distribution* : Darjiling, Bankura and Puruliya.



502. **Zizyphus xylopyrus** (Retz.) Willd.  
*Life form* : Small tree.  
*Distribution* : Darjiling, Barddhaman and Puruliya.  
 Family VITACEAE
503. **Ampelocissus barbata** (Wall.) Planch.  
*Life form* : Woody climber.  
*Distribution* : Darjiling and Jalpaiguri.
504. **Ampelocissus latifolia** (Roxb.) Planch. (1884)  
*Common name* : Govila.  
*Life form* : Climber.  
*Habitat* : Hedges and shrubberies.  
*Distribution* : South 24 Pgs. (Hasanabad).
505. **Ampelocissus nervosa** (Lawson) Planch.  
*Life form* : Climber.  
*Distribution* : Darjiling.
506. **Ampelocissus sikkimensis** (Laws.) Planch.  
*Habitat* : Shrubby climber.  
*Distribution* : Darjiling.
507. **Ampelocissus tomentosa** (Roth) Planch.  
*Life form* : Climber.  
*Distribution* : Bankura, Barddhaman and Jalpaiguri.
508. **Cayratia geniculata** (Blume) Gagnep.  
*Life form* : Climber.  
*Distribution* : Darjiling.
509. **Cayratia japonica** (Thunb.) Gagn. (1911)  
*Life form* : Herb.  
*Habitat* : Waste lands and shrubberies.  
*Distribution* : South 24 Pgs. (Sagar Island).
510. **Cayratia pedata** (Lam.) Juss. ex Gagnep. (1910)  
*Common name* : Goali Lata.  
*Life form* : Large, weak climber.  
*Distribution* : South 24 Pgs. (South Garia/Champahati).
511. **Cissus adnata** Roxb. (1820)  
*Life form* : Large climber.  
*Habitat* : Rare in shrubberies and hedges.  
*Distribution* : South 24 Pgs. (Garia, Saktinagar).
512. **Cissus assamica** (Lawson) Craib  
*Life form* : Woody climber.  
*Distribution* : Darjiling.
513. **Cissus javana** DC.  
*Life form* : Climber.  
*Distribution* : Darjiling.
514. **Cissus heyneana** (Wight & Arn.) Planch.  
*Life form* : Climber.  
*Distribution* : Haora.
515. **Cissus quadrangularis** L. (1767)  
*Common name* : Harjora.  
*Life form* : Fleshy cactus like habit.  
*Habitat* : Hedges and shrubberies.  
*Distribution* : Koch Bihar, Kolkata, Medinipur, South 24 Pgs. (Canning), Haora, Hugli, Birbhum, Murshidabad, Maldah, Barddhaman, Nadia, Dinajpur and Jalpaiguri.
516. **Cissus repanda** Vahl.  
*Life form* : Woody climber.  
*Distribution* : Darjiling, Jalpaiguri and West Dinajpur.
517. **Cissus repens** Lam.  
*Life form* : Climber.  
*Distribution* : Darjiling and Jalpaiguri.
518. **Cissus spectabilis** (Kurz) Planch.  
*Life form* : Scandent shrub.  
*Distribution* : North West Bengal.
519. **Cissus trifolia** (L.) Domin.  
*Common name* : Amal Lata.  
*Life form* : Large creeping or twining shrub.  
*Habitat* : Thickets and hedges.  
*Distribution* : South 24 Pgs. (Diamond Harbour).
520. **Cissus vitiginea** L.  
*Life form* : Scandent shrub.  
*Distribution* : Darjiling.

521. ***Parthenocissus semicordata*** (Wall.) Planch.  
*Life form* : Climber.  
*Distribution* : Darjiling.
522. ***Tetrastigma angustifolium*** (Roxb.) Planch.  
*Life form* : Climber.  
*Distribution* : Darjiling and Koch Bihar.
523. ***Tetrastigma bracteolatum*** (Wall.) Planch.  
*Life form* : Woody climber.  
*Distribution* : Darjiling, Jalpaiguri and Koch Bihar.
524. ***Tetrastigma corymbosum*** Lons.  
*Life form* : Climbing shrub.  
*Distribution* : Darjiling.
525. ***Tetrastigma dubium*** (Laws.) Planch.  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.
526. ***Tetrastigma leucostaphyllum*** (Dennst.) Alston ex Mabb.  
*Life form* : Large Climber.  
*Distribution* : Darjiling and Jalpaiguri.
527. ***Tetrastigma planicaule*** (Hook.f.) Gagnep.  
*Life form* : Climber.  
*Distribution* : Darjiling.
528. ***Tetrastigma obtectum*** (Wall. ex Laws.) Planch. ex Franch.  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.
529. ***Tetrastigma rumicispermum*** (Laws.) Planch.  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.
530. ***Tetrastigma serrulatum*** (Roxb.) Planch.  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.
531. ***Vitis vinifera*** L. (1753)  
*Common name* : Angur.
- Life form* : Large woody climber.  
*Habitat* : Occasionally cultivated.  
*Distribution* : North 24 Pgs. (Nilgunj/ Barrackpur).
- Family LEEACEAE
532. ***Leea alata*** Edgew  
*Life form* : Shrub.  
*Distribution* : Darjiling.
533. ***Leea aquatica*** L. Mant. (1767)  
*Common name* : Kak-jhanga.  
*Life form* : Shrub.  
*Habitat* : Rarely found in the waste lands.  
*Distribution* : South 24 Pgs. (Salipur/ Baruipur).
534. ***Leea compactiflora*** Kurz  
*Life form* : Shrub.  
*Distribution* : Darjiling.
535. ***Leea crispa*** Royen ex L. (1767)  
*Life form* : Shrub.  
*Habitat* : Rarely found in waste lands & vill. Shrubberies.  
*Distribution* : Hugli, Jalpaiguri, Nadia, Murshidabad, Koch Bihar, Maldah, Kolkata, Medinipur, North 24 Pgs. (Champadalia/ Barasat), Haora.
536. ***Leea guineensis*** G. Don.  
*Life form* : Shrub or small tree.  
*Distribution* : Darjiling, Jalpaiguri and Haora.
537. ***Leea indica*** (Burm.f.) Merr. (1919)  
*Common name* : Kukur jhiwa.  
*Life form* : Shrub.  
*Habitat* : Shrubberies.  
*Distribution* : South 24 Pgs. (Santoshpur).
538. ***Leea macrophylla*** Roxb. Ex Hornem. (1813)  
*Common name* : Dhol Sumudra.  
*Life form* : Herb.  
*Habitat* : Dry waste places, road sides & railway tracks.  
*Distribution* : South 24 Pgs. (Jugdia/ Benipur).

- Family SAPINDACEAE
539. ***Allophylus serratus*** DC.  
*Life form* : Shrub, rarely epiphyte.  
*Habitat* : Hedges, vill. Thickets.  
*Distribution* : South 24 Pgs. (Doodhoi).
540. ***Allophylus chartaceus*** (Kurz) Radk.  
*Life form* : Shrub or small tree.  
*Distribution* : North Bengal.
541. ***Allophylus triphyllus*** (Burm. f.)  
 Merr. (1921)  
*Life form* : Shrub.  
*Habitat* : Vill. Shrubberies.  
*Distribution* : South 24 Pgs. (Magrahat).
542. ***Aphania danura*** (Voigt.) Radlk.  
*Life form* : Shrub or small tree.  
*Distribution* : South 24-Parganas.
543. ***Aphania rubra*** Radlk.  
*Life form* : Shrub or small tree.  
*Distribution* : North Bengal.
544. ***Cardiospermum halicacabum*** L.  
 (1753)  
*Common name* : Shibjhul.  
*Life form* : Climbing herb.  
*Habitat* : Waste shady places, climbing on bushes.  
*Distribution* : Dinajpur, Medinipur, Puruliya, Hugli, Nadia, Koch Bihar, Haora, Kolkata, Murshidabad, Jalpaiguri, North 24 Pgs. (Bhebe Choumatha/Basirhat), Maldah and Barddhaman.
545. ***Dimocarpus longan*** Lour. (1790)  
*Common name* : Ashphal.  
*Life form* : Tall tree.  
*Habitat* : Planted in orchards.  
*Distribution* : South 24 Pgs. (Subuddhipur/Baruipur).
546. ***Dodonaea viscosa*** (L.) Jacq. (1760)  
*Common name* : Belati-mehedi.  
*Life form* : Tree.

- Habitat* : Hedges, found in wild.  
*Distribution* : South 24 Pgs. (Dhablat/Sagar Island).
547. ***Erioglossum rubiginosum*** (Roxb.)  
 Blume  
*Life form* : Tree.  
*Distribution* : North Bengal.
548. ***Litchi chinensis*** Sonner. (1782)  
*Common name* : Litchi.  
*Life form* : Tree.  
*Habitat* : Commonly cultivated.  
*Distribution* : Nadia, Kolkata, Jalpaiguri, Medinipur, South 24 Pgs. (Dhanyakuria), Maldah, South Dinajpur, Koch Bihar, Haora, Murshidabad, Hugli and Puruliya.
549. ***Spaindus laurifolia*** Vahl (1794)  
*Common name* : Bara Rita.  
*Life form* : Tree.  
*Habitat* : Barely cultivated.  
*Distribution* : South 24 Pgs. (Harinbari/Sagar Island).
550. ***Sapindus mukorossi*** Gaertn. (1788)  
*Common name* : Etaphal.  
*Life form* : Medium sized tree.  
*Habitat* : Planted in gardens, very rare.  
*Distribution* : North 24 Pgs. (Kestopur).
551. ***Schleichera oleosa*** (Lour.) Oken.  
 (1841)  
*Common name* : Kusum.  
*Life form* : Large tree.  
*Habitat* : Roadside tree, also in wild.  
*Distribution* : Medinipur, South 24 Pgs. (Namkhana), Nadia, Puruliya, Dinajpur, Maldah, Jalpaiguri, Hugli, Haora, Koch Bihar and Kolkata.
- Family ANACARDIACEAE
552. ***Anacardium occidentale*** L. (1753)  
*Common name* : Kajubadam.  
*Life form* : Exotic, cultivated small tree.

*Habitat* : Rarely cultivated in the orchards, grows well in saline soil of coastal region.

*Distribution* : South 24 Pgs. (Harinbari/Sagar Island) and Medinipur.

553. ***Buchanania lazan*** Spreng.

*Life form* : Tree.

*Distribution* : Bankura, Birbhum, Barddhaman and Puruliya.

554. ***Choerospondias axillaris*** (Roxb.)  
Burt & Hill

*Life form* : Small tree.

*Distribution* : Darjiling and Jalpaiguri.

555. ***Dobinea vulgaris*** Buch.-Ham. ex D.  
Don

*Life form* : Shrub.

*Distribution* : Darjiling.

556. ***Drimycarpus racemosus*** (Roxb.)  
Hook.f.

*Life form* : Large tree.

*Distribution* : Darjiling and Jalpaiguri.

557. ***Lannea coromandelica*** (Houtt.)  
Merrill (1939)

*Common name* : Jiyal.

*Life form* : Small tree.

*Habitat* : Shrubberies and scrub jungles.

*Distribution* : South 24 Pgs. (Dewanganj), Medinipur, Bankura, Birbhum, Hugli, Haora and Puruliya.

558. ***Mangifera indica*** L. (1753)

*Common name* : Aam.

*Life form* : Large tree.

*Habitat* : Commonly planted.

*Distribution* : Dinajpur, Kolkata, Koch Bihar, Bankura, Barddhaman, Murshidabad, Maldah, Haora, Jalpaiguri, Nadia, Birbhum, Puruliya, North 24 Pgs. (Padmapukur), Hugli and Medinipur.

559. ***Pegia nitida*** Colebr.

*Life form* : Scandent shrub.

*Distribution* : Darjiling and Jalpaiguri.

560. ***Rhus chinensis*** Mill.

*Life form* : Small tree or shrub.

*Distribution* : Darjiling.

561. ***Rhus hookerii*** Sahni & Bahadur

*Life form* : Tree.

*Distribution* : Darjiling.

562. ***Rhus javanica*** L.

*Life form* : Tree.

*Distribution* : Darjiling.

563. ***Rhus succedanea*** L.

*Life form* : Tree.

*Distribution* : Darjiling.

564. ***Semecarpus anacardium*** L.f. (1781)

*Common name* : Bhola.

*Life form* : Moderate tree.

*Habitat* : Rarely in the vill thickets.

*Distribution* : Puruliya, Koch Bihar, Darjiling, Jalpaiguri, Barddhaman, Bankura, South 24 Pgs. (Tapsia/Bantala) and Medinipur.

565. ***Spondias cytherea*** Sonn. (1782)

*Common name* : Belati Amra.

*Life form* : Medium tree.

*Habitat* : Commonly planted in the orchards.

*Distribution* : North 24 Pgs. (Nabagram).

566. ***Spondias pinnata*** (L. f.) Kurz (1875)

*Common name* : Amra.

*Life form* : Large tree.

*Habitat* : Medium tree.

*Distribution* : Hugli, Koch Bihar, Barddhaman, Nadia, Haora, Maldah, Birbhum, Jalpaiguri, Puruliya, South 24 Pgs. (Malancha/Minakhan), Medinipur, Kolkata, Murshidabad, Bankura and Dinajpur.

Family MORINGACEAE

567. ***Moringa oleifera*** Lam.

*Common name* : Sajina or Nadna.

*Distribution* : Nadia, Koch Bihar, Bankura, Kolkata, Puruliya, Jalpaiguri, Maldah, Murshidabad, Dinajpur, Haora, Hugli, Birbhum and Medinipur.

Family LEGUMINOSAE

Subfamily PAPILIONOIDEAE

568. *Abrus fruticulosus* Wall. ex Wight & Arn.

*Life form* : Twiner.

*Distribution* : Darjiling.

569. *Abrus precatorius* L. (1767)

*Common name* : Kunch.

*Life form* : Twining shrub.

*Habitat* : Dry waste lands.

*Distribution* : Medinipur, South 24 Pgs. (Sasan/Baruipur), Koch Bihar, Nadia, Barddhaman, Hugli, Jalpaiguri, Kolkata and Haora.

570. *Aeschynomene aspera* L. (1753)

*Common name* : Bhat Sola or Phul Sola.

*Life form* : Aquatic stout shrub.

*Habitat* : Ditches, jheels, roadside canals.

*Distribution* : South 24 Pgs. (Falta, Majerhat).

571. *Aeschynomene indica* L. (1753)

*Common name* : Sola.

*Life form* : Shrub like annual herb.

*Habitat* : Rice fields, water logged places & near canals.

*Distribution* : Medinipur, Haora, Hugli, Murshidabad, South 24 Pgs. (Sarberia/Gocharan) and Nadia.

572. *Alysicarpus bupleurifolius* (L.) DC. (1825)

*Common name* : Pan-nata.

*Life form* : Diffuse herb.

*Habitat* : Moist grassy places.

*Distribution* : North 24 Pgs. (Ichhapur).

573. *Alysicarpus vaginalis* (L.) DC. (1825)

*Life form* : Herb.

*Habitat* : Open pastures.

*Distribution* : Medinipur, Dinajpur, Koch Bihar, South 24 Pgs. (Fultala/Baruipur), Nadia, Maldah, Murshidabad, Hugli, Birbhum, Jalpaiguri, Kolkata and Haora.

574. *Amphicarpaea ferruginea* Benth.

*Life form* : Herb.

*Habitat* : Soil.

*Distribution* : Darjiling.

575. *Arachis hypogaea* L. (1753)

*Common name* : Mat-Kalai or China Badam.

*Life form* : Annual herb.

*Habitat* : Cultivated in sandy soil.

*Distribution* : Murshidabad, Birbhum, Nadia, Bankura, Haora, Jalpaiguri, Medinipur, Koch Bihar, Hugli, Dinajpur, Kolkata, North 24 Pgs. (Barrackpur), Maldah and Barddhaman.

576. *Butea monosperma* (Lam.) Taub. (1894)

*Common name* : Palas.

*Life form* : Small or moderate sized tree.

*Habitat* : Planted along roads in open dry deciduous forests, also planted as avenue trees.

*Distribution* : Bankura, Jalpaiguri, Barddhaman, Maldah, Puruliya, Birbhum, Koch Bihar, Nadia, Murshidabad, Kolkata, South 24 Pgs. (Budge Budge), Medinipur and Haora.

577. *Cajanus cajan* (L.) Millsp. (1900)

*Common name* : Arhar.

*Life form* : Shrub.

*Habitat* : Cultivated.

*Distribution* : Kolkata, Jalpaiguri, Birbhum, Murshidabad, Puruliya, South 24 Pgs. (Harinbari/ Sagar Island), Medinipur, Dinajpur, Haora, Koch Bihar, Maldah, Barddhaman, Hugli, Nadia and Bankura.

578. *Cajanus scarabaeoides* Benth. (Maesa)

*Common name* : Banar Kalai.

*Life form* : Biannual herb.

*Habitat* : Waste places and clayey soil.

*Distribution* : South 24 Pgs. (Baruipur).

579. *Canavalia cathartica* Thoar. (1813)

*Life form* : Large twiner.

*Habitat* : Riverbanks of Sundarban areas; a littoral species.

*Distribution* : Darjiling, Murshidabad, Jalpaiguri, Nadia, South 24 Pgs. (Mollakhali, Sunderban), Koch Bihar and Haora.

580. ***Canavalia ensiformis*** DC. (1825)

*Common name* : Makhan sim.

*Life form* : Large climber.

*Habitat* : Cultivated.

*Distribution* : South 24 Pgs. (Baharu).

581. ***Canavalia lineata*** DC. (1825)

*Life form* : Perennial herb.

*Habitat* : Seaface of the Sundarban area; a littoral species.

*Distribution* : Murshidabad, Koch Bihar, Maldah, South 24 Pgs. (Sagar Island) and Dinajpur.

582. ***Cicer arietinum*** L. (1753)

*Common name* : Chhola.

*Life form* : Annual herb.

*Habitat* : Cultivated.

*Distribution* : Jalpaiguri and South 24 Pgs. (Diamond Harbour).

583. ***Clitoria ternatea*** L. (1753)

*Common name* : Aprajita.

*Life form* : Climbing annual herb.

*Habitat* : Hedges & thickets.

*Distribution* : South 24 Pgs. (Jugdia, Garia).

584. ***Crotalaria alata*** Buch.-Ham. ex Roxb. (1825)

*Life form* : Undershrub.

*Habitat* : Roadside hedges, sides of railines.

*Distribution* : Jalpaiguri, Birbhum, South 24 Pgs. (Baharu), Haora, Hugli, South Dinajpur, Barddhaman, Maldah, Nadia, Medinipur, Koch Bihar, Kolkata, Puruliya, Murshidabad and Bankura.

585. ***Crotalaria albida*** Heyne ex Roth (1821)

*Common name* : Atasi.

*Life form* : Under shrub.

*Habitat* : Rare on the shaddy area & on the garden edges.

*Distribution* : North 24 Pgs. (Dewangunj, Barrackpur).

586. ***Crotalaria acicularis*** Buch.-Ham. ex Benth.

*Life form* : Annual herb.

*Distribution* : Darjiling.

587. ***Crotalaria anagyroides*** Kunth

*Life form* : Undershrub.

*Distribution* : Darjiling.

588. ***Crotalaria ferruginea*** Graham ex Benth.

*Life form* : Annual herb.

*Distribution* : Darjiling.

589. ***Crotalaria juncea*** L. (1753)

*Common name* : San.

*Life form* : Annual shrub.

*Habitat* : Roadside hedges, or cultivated.

*Distribution* : Maldah, Nadia, North 24 Pgs. (Beliachandi, Madhyampur), Murshidabad, Jalpaiguri and Koch Bihar.

590. ***Crotalaria mysorensis*** Roth (1821)

*Life form* : Shrub.

*Habitat* : Waste lands & railway tracts.

*Distribution* : South 24 Pgs. (Diamond Harbour).

591. ***Crotalaria pallida*** Aiton (1789)

*Common name* : Ban Can.

*Life form* : Under shrub.

*Habitat* : Waysides, railway tracts, waste lands.

*Distribution* : South 24 Pgs. (Sitakundu, Baruipur).

592. ***Crotalaria prostrata*** Roxb. ( 1814 )

*Common name* : Chhota jhunghan.

*Life form* : Annual herb.

*Habitat* : Dry waste lands & road sides.

*Distribution* : South 24 Pgs. (Subuddhipur, Baruipur).

593. *Crotalaria retusa* L. (1753)

*Common name* : Bhil-jhanjhan.

*Life form* : Under shrub.

*Habitat* : Railway tracts, road side thickets and vill. Scrubs.

*Distribution* : Haora, Murshidabad, Jalpaiguri, Nadia, North 24 Pgs. (Ichhapur), Koch Bihar, Hugli and Maldah.

594. *Crotalaria sessiliflora* L.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

595. *Crotalaria spectabilis* Roth (1821)

*Common name* : Pipali jhanjhan.

*Life form* : Herb-undershrub.

*Habitat* : Pasture lands & road side thickets.

*Distribution* : South 24 Pgs. (Piyalinagar/Baruipur).

596. *Crotalaria verrucosa* L. (1753)

*Common name* : Bansan or Jhunjhun.

*Life form* : Herb.

*Habitat* : Rarely found on the grasslands & waste places.

*Distribution* : South 24 Pgs. (Sagar Island).

597. *Dalbergia lanceolata* L. f. (1781)

*Common name* : Chakmedia.

*Life form* : Tree.

*Habitat* : Planted on the road sides.

*Distribution* : South 24 Pgs. (Falta).

598. *Dalbergia latifolia* Roxb. (1799)

*Common name* : Swet-sal.

*Life form* : Tree.

*Habitat* : Planted on the road sides.

*Distribution* : South 24 Pgs. (Majerhat), Maldah, Murshidabad, Barddhaman, Jalpaiguri, Koch Bihar, Hugli, Nadia and Haora.

599. *Dalbergia melanoxylon* Guill. & Perr. (1830)

*Life form* : Small tree.

*Habitat* : Very rare, avenue tree.

*Distribution* : South 24 Pgs. (Champahati).

600. *Dalbergia sissoo* Roxb. (1814)

*Common name* : Sisu.

*Life form* : Tree.

*Habitat* : Roadsides, railway stations, vill. Gardens.

*Distribution* : Murshidabad, Barddhaman, Maldah, Nadia, Darjiling, Puruliya, Hugli, Haora, Koch Bihar, Bankura, Birbhum, Dinajpur, Medinipur, Kolkata, South 24 Pgs. (Mallickpore) and Jalpaiguri.

601. *Dalbergia spinosa* Roxb. (1832)

*Common name* : Chulia kanta.

*Life form* : Shrub.

*Habitat* : Many in Sunderban area, on the dense thickets.

*Distribution* : South 24 Pgs. (Kakdwip/river banks) and Medinipur.

602. *Derris indica* (Lam.) Bennett (1970)

*Common name* : Karanja.

*Life form* : Tree.

*Habitat* : Near the canals, old gardens, waste places and hedges.

*Distribution* : Jalpaiguri, Koch Bihar, Murshidabad, Kolkata, Medinipur, Hugli, South 24 Pgs. (Baruipur, Gosaba), Barddhaman, Haora, Nadia, Bankura, Maldah, Birbhum and Dinajpur.

603. *Derris scandens* Benth. (1860)

*Common name* : Noalata.

*Life form* : Large climber.

*Habitat* : Very common on the bushes, near the scrub jungles of river sides of Sundarban.

*Distribution* : Medinipur and South 24 Pgs. (Gosaba, Bhangankhali).

604. *Derris trifoliata* Lour. (1790)

*Common name* : Pan-Lata.

*Life form* : Shrub.

*Habitat* : River banks of Sundarban.

*Distribution* : South 24 Pgs. (Diamond Harbour).

605. ***Desmodium elegans*** DC.  
*Life form* : Tree.  
*Distribution* : Darjiling.
606. ***Desmodium gangeticum*** (L.) DC. (1825)  
*Common name* : Salpani.  
*Life form* : Under shrub.  
*Habitat* : Bushes & waste places, orchards, railway tracts.  
*Distribution* : South 24 Pgs. (Baruipur, Canning) and Jalpaiguri.
607. ***Desmodium heterocarpon*** (L.) DC.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
608. ***Desmodium laxiflorum*** DC.  
*Life form* : Undershrub.  
*Distribution* : Darjiling.
609. ***Desmodium multiflorum*** DC.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
610. ***Desmodium sequex*** Wall.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
611. ***Desmodium triflorum*** (L.) DC. (1824)  
*Common name* : Koddalia.  
*Life form* : Herb.  
*Habitat* : Grass lands, railway tracts, road side hedge.  
*Distribution* : South 24 Pgs. (Baruipur, Dandirhat).
612. ***Desmodium umbellatum*** DC. (1825)  
*Life form* : Shrub.  
*Habitat* : Rarely on the river banks of Sundarban.  
*Distribution* : South 24 Pgs. (Kakdwip).
613. ***Dolichos biflorus*** L. (1753)  
*Common name* : Kuratta kalai.  
*Life form* : Twining under shrub.  
*Habitat* : Cultivated pulse crop.  
*Distribution* : South 24 Pgs. (Santoshpur).
614. ***Lablab purpureus*** L. (1753)  
*Common name* : Sim.  
*Life form* : Twining shrub.  
*Habitat* : Cultivated.  
*Distribution* : South 24 Pgs. (Bhangankhali).
615. ***Dumasia villosa*** DC.  
*Life form* : Climber.  
*Distribution* : Darjiling.
616. ***Erythrina arborescens*** Roxb.  
*Life form* : Tree.  
*Distribution* : Darjiling.
617. ***Erythrina fusca*** Lour. (1790)  
*Common name* : Harikakra.  
*Life form* : Small tree.  
*Habitat* : Vill. Shrubberies & road sides.  
*Distribution* : South 24 Pgs. (Subhashgram).
618. ***Erythrina stricta*** Roxb.  
*Life form* : Tree.  
*Distribution* : Darjiling.
619. ***Erythrina variegata*** L. (1754)  
*Common name* : Palita Mandar.  
*Life form* : Moderate sized tree.  
*Habitat* : Planted in the gardens.  
*Distribution* : South 24 Pgs. (Haroa, Malancha).
620. ***Flemingia macrophylla*** (Willd.) Prain ex Merrill (1910)  
*Common name* : Bara salphan.  
*Life form* : Shrub.  
*Habitat* : Hedges & thickets.  
*Distribution* : Bankura, Medinipur, Puruliya, South 24 Pgs. (Jugdia-Benipur), Jalpaiguri, Dinajpur, Koch Bihar, Bardhaman, Murshidabad, Maldah and Hugli.
621. ***Gliricida sepium*** (Jacq.) Kunth ex Steud. (1840)  
*Life form* : Tree.



*Habitat* : Cultivated land.

*Distribution* : South 24 Pgs. (Harinbari/Sagar Island).

622. *Glycine max* (L.) Merrill (1917)

*Common name* : Soya Bean.

*Life form* : Trailing or sub-erect herb.

*Habitat* : Cultivated land.

*Distribution* : Haora, Dinajpur, Bankura, Koch Bihar, Maldah, Murshidabad, Barddhaman, Nadia, Puruliya, Birbhum, Jalpaiguri, Kolkata, Medinipur, South 24 Pgs. (Narendrapur) and Hugli.

623. *Indigofera linnaei* Ali (1711)

*Life form* : Herb.

*Habitat* : Wastelands, roadsides.

*Distribution* : South 24 Pgs. (Subhasgram).

624. *Indigofera linifolia* (L. f.) Retz. (1786)

*Common name* : Bhangra.

*Life form* : Annual herb.

*Habitat* : Waste grassy places, associated with *Alysicarpus* sp.

*Distribution* : North 24 Pgs. (Dum Dum Cant., Sodepur).

625. *Indigofera stachyodes* Lindl.

*Life form* : Shrub.

*Distribution* : Darjiling.

626. *Indigofera sumatrana* Gaertn. (1876)

*Common name* : Nil.

*Life form* : Shrub.

*Habitat* : Dry waste lands, roadsides & railway tracks.

*Distribution* : South 24 Pgs. (Santoshpur, Budge Budge).

627. *Indigofera tinctoria* L. (1753)

*Common name* : Nil.

*Life form* : Shrub.

*Habitat* : Cultivated land, railway tracts & moist waste lands & roadsides.

*Distribution* : South 24 Pgs. (Salipur, Baruipur, Kadampur), Jalpaiguri, Kolkata,

Medinipur, Maldah, Nadia, Dinajpur, Hugli, Barddhaman, Koch Bihar, Murshidabad, Birbhum and Haora.

628. *Lathyrus aphaca* L. (1753)

*Common name* : Jangli-Matur.

*Life form* : Annual herb.

*Habitat* : Waste lands.

*Distribution* : Koch Bihar, Dinajpur, Jalpaiguri, Darjiling and South 24 Pgs. (Narendrapur R.K.M. Ashram).

629. *Lathyrus sativus* L. (1753)

*Common name* : Khensari.

*Life form* : Annual herb.

*Habitat* : Cultivated in low lands.

*Distribution* : Koch Bihar, South 24 Pgs. (Maradhat/Baruipur), Nadia, Dinajpur, Maldah, Murshidabad and Jalpaiguri.

630. *Lens culinaris* Medikus (1787)

*Common name* : Masur.

*Life form* : Annual herb.

*Habitat* : Cultivated in low lands or rice fields.

*Distribution* : Jalpaiguri, Dinajpur, South 24 Pgs. ( Falta) and Koch Bihar.

631. *Medicago lupulina* L. (1753)

*Life form* : Herb.

*Habitat* : Waste lands.

*Distribution* : South 24 Pgs.

632. *Medicago polymorpha* L. var. *vulgaris* (Benth.) Shinn.

*Common name* : Maina.

*Life form* : Herb.

*Habitat* : Waste lands.

*Distribution* : Murshidabad, Jalpaiguri, Dinajpur, Koch Bihar and South 24 Pgs.

633. *Melilotus alba* Medikus (1797)

*Common name* : Safed Ban Methi.

*Life form* : Annual herb.

*Habitat* : Waste lands.

*Distribution* : Medinipur, North 24 Pgs., Nadia, Dinajpur, Jalpaiguri, Kolkata, Murshidabad, Maldah, Koch Bihar Hugli, Haora, Birbhum and Barddhaman.

634. *Melilotus indica* (L.) All. (1785)

*Common name* : Ban Methi.

*Life form* : Annual herb.

*Habitat* : Waste lands.

*Distribution* : North 24 Pgs., Hugli, Jalpaiguri, Darjiling, Nadia, Haora and Koch Bihar.

635. *Millettia peguensis* Ali. (1968)

*Life form* : Medium sized tree.

*Habitat* : Land.

*Distribution* : Medinipur, South 24 Pgs. (Brace Bridge), Kolkata, Koch Bihar, Jalpaiguri and Bankura.

636. *Millettia pulchra* (Benth.) Kurz

*Life form* : Shrubby climber.

*Habitat* : Land.

*Distribution* : Darjiling.

637. *Mucuna macrocarpa* Wall. ex Baker

*Life form* : Liana.

*Distribution* : Darjiling.

638. *Pachyrrhizus angulatus* Rich. ex DC. (1825)

*Common name* : Sankaalu.

*Life form* : Liana.

*Habitat* : Cultivated in vill. garden.

*Distribution* : Kolkata, South 24 Pgs. (Subuddhipur/Baruipur), Haora and Medinipur.

639. *Parochetus communis* Buch.-Ham. ex D. Don

*Life form* : Perennial herb.

*Distribution* : Darjiling.

640. *Phaseolus aureus* Roxb. (1814)

*Common name* : Sona Mung.

*Life form* : Annual herb.

*Habitat* : Cultivated land.

*Distribution* : South 24 Pgs. (Brace Bridge).

641. *Phaseolus vulgaris* L. (1753)

*Common name* : Bakla.

*Life form* : Annual herb.

*Habitat* : Cultivated land.

*Distribution* : Birbhum, Maldah, Murshidabad, North 24 Pgs. (Shyamnagar), Haora, Nadia, Hugli, Bankura, Koch Bihar, Jalpaiguri, Barddhaman, Dinajpur and Medinipur.

642. *Piptanthus nepalensis* (Hook.) Sweet

*Life form* : Shrub.

*Distribution* : Darjiling.

643. *Pisum arvense* L. (1753)

*Common name* : Matar.

*Life form* : Annual herb.

*Habitat* : Cultivated land.

*Distribution* : Jalpaiguri, Medinipur, North 24 Pgs., Dinajpur, Haora, Bankura, Hugli, Koch Bihar, Barddhaman, Nadia, Murshidabad, Birbhum and Maldah.

644. *Pisum sativum* L. (1753)

*Common name* : Kabuli Matar.

*Life form* : Annual herb.

*Habitat* : Cultivated.

*Distribution* : Murshidabad, Hugli, Jalpaiguri, Barddhaman, Nadia, Dinajpur, South 24 Pgs. (Garia, Shibrampur), Darjiling, Bankura, Medinipur, Kolkata, Puruliya, Haora, Maldah, Koch Bihar and Birbhum.

645. *Crotalaria cytisoides* Roxb.

*Life form* : Shrub.

*Distribution* : Darjiling.

646. *Psophocarpus tetragonolobus* DC. (1825)

*Common name* : Chara-koni-seem.

*Life form* : Shrub.

*Habitat* : Very rare on the vill. Shrubberies.

*Distribution* : South 24 Pgs. (Shibrampur/Thakurpukur).

647. *Cullen corylifolia* (L.) Medikus

*Common name* : Barachi.

*Life form* : Shrub.

*Distribution* : Koch Bihar, Dinajpur, North 24 Pgs., Haora, Jalpaiguri, Barddhaman, Medinipur, Maldah, Bankura, Birbhum, Hugli, Nadia and Murshidabad.

648. ***Pterocarpus indicus*** Willd. (1800)

*Life form* : Tree.

*Distribution* : South 24 Pgs.

649. ***Rhynchosia aurea*** DC. (1825)

*Life form* : Herb.

*Habitat* : Waste lands, road side hedges & vill. Thickets.

*Distribution* : South 24 Pgs. (Subuddhipur/ Baruipur).

650. ***Rhynchosia minima*** (L.) DC. (1825)

*Life form* : Annual herb.

*Habitat* : Hedges & thickets of the villages.

*Distribution* : North 24 Pgs. (Shyamnagar) and Haora.

651. ***Sesbania aegyptica*** Poir. (1806)

*Common name* : Jayanti.

*Life form* : Large shrub.

*Habitat* : Village thickets & road side hedges.

*Distribution* : Nadia, North 24 Pgs. (Naihati), Barddhaman, Hugli, Murshidabad, Haora, Dinajpur, Jalpaiguri, Kolkata, Maldah and Medinipur.

652. ***Sesbania bispinosa*** (Jacq.) W.F. Wright

*Life form* : Annual, aquatic shrub.

*Distribution* : 24 Pgs., Hugli, Haora.

653. ***Sesbania cannabina*** (Retz.) Poir.

*Life form* : Annual under shrub.

*Distribution* : Kolkata, South 24 Pgs. and Medinipur.

654. ***Sesbania grandiflora*** Pers.

*Common name* : Agati or Bak.

*Life form* : Small tree.

*Habitat* : Cultivated.

*Distribution* : Murshidabad, South 24 Pgs. (Harinbari/Sagar Island), Koch Bihar, Maldah and Jalpaiguri.

655. ***Sesbania roxburghii*** Merrill (1909)

*Life form* : Annual shrub.

*Habitat* : Cultivated.

*Distribution* : South 24 Pgs., Haora, Murshidabad and Hugli.

656. ***Sesbania sesban*** (L.) Merr. (1912)

*Common name* : Jainti.

*Life form* : Shrub.

*Habitat* : Cultivated.

*Distribution* : South 24 Pgs. (Sarisha, Diamond Harbour).

657. ***Shutteria vestita*** Wight & Arn. (1834)

*Life form* : Woody shrub.

*Habitat* : Dry waste lands, thickets & railway tracks.

*Distribution* : North 24 Pgs. (Dum Dum Cantt.).

658. ***Shutteria involucrata*** (Wall.) Wight et Arn.

*Life form* : Climber.

*Distribution* : Darjiling.

659. ***Smithia sensitiva*** Ait. (1789)

*Common name* : Nala Kashina.

*Life form* : Herb.

*Habitat* : Very rare on the roadside waste lands & thickets.

*Distribution* : Maldah, Medinipur, Haora, Nadia, Barddhaman, Koch Bihar, Jalpaiguri, Murshidabad, Dinajpur, South 24 Pgs. (Salipur, Baruipur) and Kolkata.

660. ***Smithia ciliata*** Royle

*Life form* : Annual herb.

*Distribution* : Darjiling.

661. ***Tephrosia candida*** DC. (1825)

*Common name* : Bangara.

*Life form* : Small shrub.

*Habitat* : Moist places, near gardens & railway tracks.

*Distribution* : South 24 Pgs. (Dhakuria).

662. ***Tephrosia purpurea*** (L.) Pers. (1807)

*Common name* : Ban-Nil.

*Life form* : Herb.

*Habitat* : Dry, open places, on the waste grounds, railway tracks.

*Distribution* : Bankura, Birbhum, Murshidabad, Hugli, Koch Bihar, Bardhaman, Dinajpur, Maldah, Jalpaiguri, Puruliya, Medinipur, South 24 Pgs. (Fultala, Baruipur), Kolkata, Haora and Nadia.

663. ***Tephrosia villosa*** (L.) Pers. (1807)

*Life form* : Herb.

*Habitat* : Village shrubberies and railway tracks.

*Distribution* : North 24 Pgs. (Shyamnagar).

664. ***Terminus labialis*** (L. f.) Spreng. (1826)

*Life form* : Herb.

*Habitat* : Rarely found on the vill. shrubberies.

*Distribution* : South 24 Pgs. (Kachuberia/ Sagar Island) and Haora.

665. ***Trifolium dubium*** Sibth.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

666. ***Trifolium repens*** L.

*Life form* : Herb.

*Distribution* : Darjiling.

667. ***Trigonella corniculata*** L.

*Common name* : Piring.

*Life form* : Herb.

*Habitat* : Cultivated land.

*Distribution* : Jalpaiguri, Puruliya, South 24 Pgs. (Champahati, Chemagari), Birbhum, Nadia, Kolkata, Bankura, Maldah, Medinipur, Dinajpur, Haora, Bardhaman, Koch Bihar, Murshidabad and Hugli.

668. ***Trigonella foenum-graecum*** L. (1753)

*Common name* : Methi.

*Life form* : Herb.

*Habitat* : Cultivated and rarely as self-grown on the waste lands.

*Distribution* : South 24 Pgs. (Shibrampur, Thakurpukur).

669. ***Ulex europeus*** L.

*Life form* : Shrub.

*Distribution* : Darjiling.

670. ***Uraria picta*** (Jacq.) Desv. (1813)

*Common name* : Sankar-jata.

*Life form* : Under shrub.

*Habitat* : Waste shady places.

*Distribution* : South 24 Pgs. (Nurpur).

671. ***Vicia fava*** L. (1753)

*Life form* : Annual herb.

*Habitat* : Cultivated land.

*Distribution* : Puruliya, Kolkata, South 24 Pgs. (Sarisha, Diamond Harbour), Bankura, Jalpaiguri, Maldah, Haora, Nadia, Birbhum, Dinajpur, Koch Bihar and Medinipur.

672. ***Vicia hirsuta*** (L.) Gray (1821)

*Common name* : Chana.

*Life form* : Annual herb.

*Habitat* : Cultivated land.

*Distribution* : South 24 Pgs. (Subuddhipur/ Baruipur).

673. ***Vicia sativa*** L. (1753)

*Common name* : Ankari.

*Life form* : Annual herb.

*Habitat* : Cultivated fields and moist waste grounds.

*Distribution* : Birbhum and North 24 Pgs. (Madhyamgram).

674. ***Vicia tetrasperma*** (L) Schr.

*Life form* : Climber.

*Distribution* : Darjiling.

675. ***Vigna aconitifolia*** (Jacq.) Marechal (1969)

*Common name* : Kheri.

*Life form* : Herb.

*Habitat* : Grassy lands, climbing on large bushy grasses.

*Distribution* : South 24 Pgs. (Dhopagachi/Baruipur).

676. ***Vigna sinensis*** (L.) Savi. ex Hassk. (1844)

*Common name* : Barbati.

*Life form* : Herb.

*Habitat* : Cultivated land.

*Distribution* : South 24 Pgs. (Champahati).

677. ***Vigna trilobata*** (L.) Verdc. (1968)

*Common name* : Jangi kalai or Rakhal kalai.

*Life form* : Herb.

*Habitat* : Rarely cultivated, waste lands or paddy fields.

*Distribution* : South 24 Pgs. (Dhap Dhapi, Taki).

678. ***Wisteria chinensis*** DC.

*Life form* : Liana.

*Distribution* : Darjiling.

Family LEGUMINOSAE

Subfamily CAESALPINIACEAE

679. ***Amherstia nobilis*** Wall. (1829)

*Life form* : Tree.

*Habitat* : Planted as ornamental in the gardens.

*Distribution* : Haora, Hugli, Murshidabad, Barddhaman, Dinajpur, Koch Bihar, Jalpaiguri, Kolkata, Medinipur, South 24 Pgs. (Ram Nagar/Metiabruz) and Maldah.

680. ***Bauhinia acuminata*** L. (1753)

*Common name* : Kanchan.

*Life form* : Large shrub or small tree.

*Habitat* : Road sides.

*Distribution* : Dinajpur, South 24 Pgs. (Padmapukur/Baruipur), Kolkata, Medinipur, Haora, Hugli, Birbhum, Maldah, Murshidabad, Darjiling, Koch Bihar, Jalpaiguri, Barddhaman and Nadia.

681. ***Bauhinia purpurea*** L. (1753)

*Common name* : Rakta Kanchan.

*Life form* : Medium sized tree.

*Habitat* : Avenue tree.

*Distribution* : Bankura, Nadia, Koch Bihar, Darjiling, Barddhaman, Birbhum, Maldah, Kolkata, Murshidabad, North 24 Pgs. (Chital/Basirhat), Medinipur and Jalpaiguri.

682. ***Bauhinia tomentosa*** L. (1753)

*Common name* : Kanchan.

*Life form* : Shrub.

*Habitat* : Planted as ornamental in gardens.

*Distribution* : South 24 Pgs. (Rabindra Sarobar)/Kolkata).

683. ***Bauhinia variegata*** L. (1753)

*Common name* : Swet Kanchan.

*Life form* : Small tree.

*Habitat* : Avenue tree in road sides and railway stations.

*Distribution* : Kolkata, Medinipur, Haora, Bankura, Jalpaiguri, Maldah, Birbhum, Hugli, Murshidabad, Dinajpur, Koch Bihar, Barddhaman, Nadia and North 24 Pgs. (Titagarh).

684. ***Caesalpinia coriaria*** (Jacq.) Willd. (1799)

*Common name* : Dii-dii.

*Life form* : Low tree.

*Habitat* : Cultivated/grown as an ornamental tree.

*Distribution* : North 24 Pgs. (Dum Dum Cantt.) and Haora.

685. ***Caesalpinia bonduc*** (L.) Roxb. (1818)

*Common name* : Nata Karanja.

*Life form* : Scrambling vine.

*Habitat* : Hedges & thickets, open waste lands.

*Distribution* : Jalpaiguri, Kolkata, South 24 Pgs. (Surjyapur/Raidighi), Puruliya, Medinipur, Birbhum, Haora, Murshidabad, Koch Bihar and Nadia.

686. ***Caesalpinia crista*** L. (1753)

*Common name* : Shingri Lata.

*Life form* : Climber.

*Habitat* : Littoral forests and hedges or thickets.

*Distribution* : South 24 Pgs. (Sagar Island).

687. *Caesalpinia decapetala* (Roth)

Alston (1931)

*Life form* : Large straggling shrub.

*Habitat* : Hedges of the villages.

*Distribution* : South 24 Pgs. (Lakshmikantapur).

688. *Cassia absus* L. (1753)

*Common name* : Chakan.

*Life form* : Annual herb.

*Habitat* : Waste lands.

*Distribution* : South 24 Pgs. (Ghoshpur near Kulti).

689. *Cassia alata* L. (1753)

*Common name* : Dadmardan.

*Life form* : Small shrub.

*Habitat* : Village scrub jungle.

*Distribution* : North 24 Pgs. (Shymnagar), Birbhum, Murshidabad, Haora, Jalpaiguri, Nadia, Koch Bihar, Kolkata, Puruliya and Medinipur.

690. *Cassia auriculata* L. (1753)

*Common name* : Tarwar.

*Life form* : Tall shrub.

*Habitat* : Planted or escape near gardens.

*Distribution* : Koch Bihar, Barddhaman, South 24 Pgs. (Dhopagachi), Jalpaiguri and Hugli.

691. *Cassia fistula* L. (1753)

*Common name* : Bandar Lati or Sandal.

*Life form* : Medium tree.

*Habitat* : Village scrub-jungles, thickets, etc.

*Distribution* : Birbhum, Koch Bihar, Bankura, Hugli, Jalpaiguri, Nadia, Murshidabad, Barddhaman, Medinipur, Kolkata, South 24 Pgs. (Gosaba), North 24 Pgs. (Naihati) and Maldah.

692. *Cassia nodosa* Buch.-Ham. ex Roxb. (1814)

*Life form* : Tree.

*Habitat* : Avenue tree.

*Distribution* : Darjiling, Dinajpur, South 24 Pgs. (Champahati), Haora, Hugli and Birbhum.

693. *Cassia obtusifolia* L. (1753)

*Common name* : Chakunda.

*Life form* : Annual herb.

*Habitat* : Weed, often mixed with *C. tora*.

*Distribution* : South 24 Pgs. (Mollakhali).

694. *Cassia occidentalis* L. (1753)

*Common name* : Kalkasunda.

*Life form* : Under shrub.

*Habitat* : Road sides, railway lines and moist waste places.

*Distribution* : Darjiling, Nadia, Barddhaman, Koch Bihar, Maldah, Jalpaiguri, Bankura, Murshidabad, Kolkata, Puruliya, North 24 Pgs. (Dhosh Chandaneswar), Medinipur and Haora.

695. *Cassia pumila* Lam. (1784)

*Common name* : Chota aura.

*Life form* : Stout herb.

*Habitat* : Open fields or under shades of trees.

*Distribution* : South 24 Pgs. (Bireshwarpur/Lakshmikantapur).

696. *Cassia siamea* Lam. (1785)

*Life form* : Medium sized tree.

*Habitat* : Avenue tree near lakes and gardens.

*Distribution* : Murshidabad, Dinajpur, Nadia, Barddhaman, Maldah, Haora, Bankura, Koch Bihar, Jalpaiguri, Kolkata, Darjiling, Birbhum, Medinipur, Puruliya, North 24 Pgs. (Naihati) and Hugli.

697. *Cassia sophora* L. (1753)

*Common name* : Kalkasunda.

*Life form* : Small shrub.

*Habitat* : Waste lands, sides of roads and railway tracts.

*Distribution* : Darjiling, Kolkata, South 24 Pgs. (Piyalinagar/Baruipur), Puruliya, Medinipur, Barddhaman, Koch Bihar, Jalpaiguri, Birbhum, Hugli, Murshidabad, Maldah, Bankura, Dinajpur, Nadia and Haora.

698. ***Cassia sophora*** var. ***purpurea***  
(Edgw.) Voigt (1845)

*Common name* : Lal Kalkashunda.

*Life form* : Shrub.

*Habitat* : Road side waste lands, high cultivated lands.

*Distribution* : Hugli, Birbhum, Puruliya, Haora, Dinajpur, Maldah, Jalpaiguri, Nadia, Kolkata, Barddhaman, Murshidabad, Koch Bihar, North 24 Pgs. (Malatipur/near Dey Ganga), Medinipur, Bankura and Darjiling.

699. ***Cassia surattensis*** Burm. f. (1768)

*Life form* : Large shrub or small tree.

*Habitat* : Grown as an ornamental plant.

*Distribution* : South 24 Pgs. (Mazilpur/Joynagar) and Haora.

700. ***Cassia tora*** L. (1753)

*Common name* : Chakunda.

*Life form* : Annual weed.

*Habitat* : Waste lands, railway tracts, way sides.

*Distribution* : Bankura, Jalpaiguri, Barddhaman, Darjiling, Murshidabad, Kolkata, South 24 Pgs. (Piyalinagar/Baruipur), Puruliya, Hugli, Birbhum, Haora, Nadia, Dinajpur, Koch Bihar, Maldah and Medinipur.

701. ***Delonix regia*** (Boj. ex Hook.) Raf.  
(1836)

*Common name* : Krishnachura.

*Life form* : Tree.

*Habitat* : Planted as ornamental.

*Distribution* : Birbhum, Murshidabad, Koch Bihar, Maldah, Haora, Barddhaman, Darjiling, Nadia, Dinajpur, Puruliya, Bankura, Jalpaiguri, Hugli, Kolkata, Medinipur and North 24 Pgs. (Palta, Naihati).

702. ***Mezoneuron cucullatum*** Wight & Arn. (1834)

*Common name* : Regi.

*Life form* : Liana.

*Habitat* : Moist evergreen forest.

*Distribution* : South 24 Pgs.

703. ***Parkinsonia aculeata*** L. (1753)

*Common name* : Bilati Kikar.

*Life form* : Small tree or shrub.

*Habitat* : Cultivated area.

*Distribution* : Birbhum, Medinipur, Puruliya, Haora, Barddhaman, Bankura and South 24 Pgs. (Sunderban).

704. ***Peltophorum pterocarpum*** (DC.)  
Baker ex Heyne (1927).

*Common name* : Gul Mohar.

*Life form* : Tall tree.

*Habitat* : Planted as avenue tree.

*Distribution* : North 24 Pgs. (Titagarh, Barrackpur), Bankura, Barddhaman, Puruliya and Medinipur.

705. ***Piliostigma malabaricus*** (Roxb.)  
Benth. (1852)

*Common name* : Amla or Karmai.

*Life form* : Moderate sized tree.

*Habitat* : Planted as avenue tree.

*Distribution* : South 24 Pgs. (Narendrapur).

706. ***Caesalpinia pulcherrima*** L. (1753)

*Common name* : Radha-Chura.

*Life form* : Shrub.

*Habitat* : Planted as avenue tree.

*Distribution* : South 24 Pgs. (Joygram/Minakhan), Hugli, Birbhum, Haora, Koch Bihar, Darjiling, Puruliya, Medinipur, Nadia and Dinajpur.

707. ***Saraca asoca*** (Roxb.) de wilde

*Common name* : Asoke.

*Life form* : Low deliquescent tree.

*Habitat* : Planted in the gardens or lawns.

*Distribution* : Barddhaman, Koch Bihar, Nadia, Kolkata, Medinipur, Jalpaiguri, South 24 Pgs. (Gobindapur), Hugli and Murshidabad.

708. *Tamarindus indica* L. (1753)

*Common name* : Tetul.

*Life form* : Large tree.

*Habitat* : Planted in gardens or road sides.

*Distribution* : Puruliya, Jalpaiguri, Nadia, North 24 Pgs. (Naihati), Kolkata, Maldah, Medinipur, Bankura, Murshidabad, Birbhum, Haora, Barddhaman and Hugli.

Family LEGUMINOSAE

Subfamily MIMOSOIDEAE

709. *Acacia auriculiformis* A. Cunn. (1842)

*Common name* : Akashmoni.

*Life form* : Medium unarmed tree.

*Distribution* : Dinajpur, Birbhum, Barddhaman, Nadia, Kolkata, Hugli, Darjiling, South 24 Pgs. (Rabindra Sarabar), Medinipur, Jalpaiguri, Puruliya, Haora, Koch Bihar, Murshidabad, Bankura and Maldah.

710. *Acacia caesia* (L.) Willd.

*Life form* : Scandent shrub or woody climber.

*Distribution* : Barddhaman, Hugli, Jalpaiguri, North 24 Pgs. and Puruliya.

711. *Acacia catechu* L.f. Willd. (1806)

*Common name* : Khayer.

*Life form* : Medium tree.

*Habitat* : Village thickets & hedges.

*Distribution* : Birbhum, Bankura, South 24 Pgs. (Garia), Puruliya, Jalpaiguri, Darjiling, Koch Bihar, Barddhaman and Medinipur.

712. *Acacia concinna* DC. (1825)

*Common name* : Ban-Ritha.

*Life form* : Twining shrub.

*Distribution* : South 24 Pgs. (Baruipur).

713. *Acacia farnesiana* (L.) Willd. (1806)

*Common name* : Guhiya Babla.

*Life form* : Shrub/Small tree.

*Habitat* : Waste lands, road sides, railway tracks.

*Distribution* : North 24 Pgs. (Shyamnagar).

714. *Acacia moniliformis* Griseb. (1874)

*Life form* : Small tree.

*Distribution* : Kolkata (Ballygunge Science College Campus).

715. *Acacia nilotica* (L.) Willd. ex Del. subsp. *indica* (Benth.) Brenan

*Common name* : Babul or Babla.

*Life form* : Small or medium sized tree.

*Habitat* : Village thickets, road sides, railway lines.

*Distribution* : Birbhum, Barddhaman, South 24 Pgs. (Brace Bridge), Bankura, Maldah, Medinipur, Nadia, Haora, Murshidabad and Hugli.

716. *Acacia pennata* (L.) Willd.

*Life form* : Scandent shrub.

*Distribution* : Jalpaiguri and Puruliya.

717. *Acacia polyacantha* Willd. (1806)

*Common name* : Sai-Kanta.

*Life form* : Small to medium tree.

*Habitat* : Hedges and thickets.

*Distribution* : South 24 Pgs. (Basanti).

718. *Acacia recurva* Benth. (1842)

*Life form* : Small tree.

*Distribution* : Kolkata.

719. *Acacia sinuata* (Lour.) Merr.

*Life form* : Climbing shrub.

*Distribution* : North Bengal.

720. *Acacia sphaerocephala* Cham. & Schlecht. (1830)

*Life form* : Medium sized tree.

*Distribution* : Kolkata (Ballygunge Science College Campus).

721. *Acacia tomentosa* Willd.

*Life form* : Small tree.

*Distribution* : Haora (rare).

722. *Adenauthera pavonina* L.

*Life form* : Tree.

*Distribution* : Darjiling, Haora, Medinipur, Bankura, Maldah and West Dinajpur.



723. ***Albizia chinensis*** (Osbeck) Merr.  
*Life form* : Tree.  
*Distribution* : Darjiling and Jalpaiguri.
724. ***Albizia lebbeck*** (L.) Benth. (1806)  
*Common name* : Siris.  
*Life form* : Large tree.  
*Habitat* : Mostly naturalized.  
*Distribution* : Murshidabad, Kolkata, Puruliya, South 24 Pgs. (Magrahat), Bankura, Dinajpur, Medinipur, Nadia, Barddhaman, Birbhum, Jalpaiguri, Darjiling, Haora, Hugli, Koch Bihar and Maldah.
725. ***Albizia lucida*** Benth.  
*Life form* : Tree.  
*Distribution* : Darjiling and Jalpaiguri.
726. ***Albizia odoratissima*** (L.f.) Benth.  
*Life form* : Tree.  
*Distribution* : Jalpaiguri, Bankura and Medinipur.
727. ***Albizia procera*** (Roxb.) Benth. (1844)  
*Common name* : Kori or Koro.  
*Life form* : Unarmed medium tree.  
*Habitat* : Planted in the village areas.  
*Distribution* : Koch Bihar, Jalpaiguri, Nadia, Murshidabad, Bankura, Haora, Puruliya, South 24 Pgs. (Subhashgram) and Medinipur.
728. ***Albizia thomsonii*** Brandis  
*Life form* : Deciduous tree.  
*Distribution* : West Dinajpur.
729. ***Calliandra brevipes*** Benth. (1840)  
*Life form* : Unarmed shrub.  
*Habitat* : Planted in the villages and gardens.  
*Distribution* : South 24 Pgs. (Ramnagar/Metia Bruz), Koch Bihar, Barddhaman, Bankura and Jalpaiguri.
730. ***Desmanthus virgatus*** (L.) Willd.  
*Life form* : Shrub or semi woody herb.  
*Distribution* : Haora and North 24-Pgs.
731. ***Entada rheedii*** subsp. ***sinohimalensis*** (Grierson & Long) Panigrahi  
*Life form* : Large liana.  
*Distribution* : Darjiling.
732. ***Leucaena latisiliqua*** (L.) Gills. (1974)  
*Common name* : Subabul or Khilkadam.  
*Life form* : Unarmed shrub.  
*Habitat* : Road sides, river banks, hedges or wastelands.  
*Distribution* : Puruliya, Medinipur, Murshidabad, Kolkata, Dinajpur, Hugli, South 24 Pgs. (Canning), Barddhaman, Darjiling, Jalpaiguri, Maldah, Haora, Koch Bihar, Bankura, Nadia and Birbhum.
733. ***Mimosa barberi*** Gamble  
*Life form* : Shrub.  
*Distribution* : Darjiling and Jalpaiguri.
734. ***Mimosa himalayana*** Gamble  
*Life form* : Straggling shrub.  
*Distribution* : Darjiling and Jalpaiguri.
735. ***Mimosa intsia*** L.  
*Life form* : Straggling shrub.  
*Distribution* : Throughout plains.
736. ***Mimosa pudica*** L. (1753)  
*Common name* : Lajjabati or Najak.  
*Life form* : Spreading herb.  
*Habitat* : Road sides, railway tracks, waste lands, hedges etc.  
*Distribution* : Nadia, Kolkata, Maldah, Koch Bihar, Birbhum, Darjiling, Dinajpur, Barddhaman, Bankura, Haora, Hugli, South 24 Pgs. (Madarhat/Baruipur), Medinipur, Jalpaiguri and Murshidabad.
737. ***Neptunia oleracea*** Lour. (1790)  
*Common name* : Pani Najak.  
*Life form* : Aquatic herb.  
*Habitat* : Village ponds and jheels.  
*Distribution* : Medinipur, Barddhaman, Hugli, Murshidabad, Dinajpur, North 24 Pgs., Kolkata, Haora, Koch Bihar, Nadia, Maldah and Jalpaiguri.

738. ***Parkia pedunculata*** (Roxb.) Macbride  
*Life form* : Tree.  
*Habitat* : Cultivated land.  
*Distribution* : South 24 Pgs.
739. ***Pithecellobium dulci*** (Roxb.) Benth.  
 (1844)  
*Common name* : Belati Aml.  
*Life form* : Medium tree.  
*Habitat* : Cultivated Hedges, waste lands, etc.  
*Distribution* : Hugli, Birbhum, Koch Bihar, Barddhaman, Nadia, Jalpaiguri, Kolkata, Bankura, Medinipur, South 24 Pgs. (Canning), Maldah and Murshidabad.
740. ***Pithecellobium heterophyllum***  
 (Roxb.) Macbride  
*Life form* : Tree.  
*Distribution* : Darjiling.
741. ***Pithecellobium monodelphum***  
 (Roxb.) Kosterm.  
*Life form* : Tree.  
*Distribution* : Darjiling.
742. ***Prosopis chilensis*** (Molina) Stuntz  
 (1914)  
*Common name* : Bera Babla.  
*Life form* : Large shrub.  
*Habitat* : Hedges or largely as ornamental.  
*Distribution* : Murshidabad, Koch Bihar, Darjiling, Hugli, Barddhaman, Dinajpur, Haora, Birbhum, Maldah, Kolkata, Jalpaiguri, Bankura, Medinipur, Puruliya, South 24 Pgs. (Canning/on the river banks) and Nadia.
743. ***Prosopis cineraria*** (L.) Druce  
*Life form* : Large shrub or small tree.  
*Distribution* : Bankura and Jalpaiguri.
744. ***Samanea saman*** (Jacq.) Merrill (1916)  
*Common name* : Khirish.  
*Life form* : Large tree.  
*Habitat* : Planted as avenue tree.  
*Distribution* : Nadia, Bankura, Dinajpur, Hugli, Maldah, Birbhum, Kolkata, Jalpaiguri, Haora, Barddhaman, Murshidabad, Koch Bihar, South 24 Pgs. (Gosaba), Medinipur, Puruliya and Darjiling.
- Family ROSACEAE
745. ***Agrimonia pilosa*** Ladeb.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
746. ***Aruncus dioicus*** (Walter) Fernald  
 subsp. ***triternatus*** (Maxim.) Hara  
*Life form* : Herb.  
*Distribution* : Darjiling.
747. ***Cotoneaster acuminatus*** Wall. ex  
 Lindl.  
*Life form* : Erect shrub.  
*Distribution* : Darjiling.
748. ***Cotoneaster confusus*** Klotz  
*Life form* : Tree.  
*Distribution* : Darjiling.
749. ***Cotoneaster congestus*** Baker  
*Life form* : Tree.  
*Distribution* : Darjiling.
750. ***Cotoneaster frigidus*** Wall. ex Lindl.  
*Life form* : Shrub or small tree.  
*Distribution* : Darjiling.
751. ***Cotoneaster insignis*** Pojark.  
*Life form* : Tree.  
*Distribution* : Darjiling.
752. ***Cotoneaster microphyllum***  
*Life form* : Prostrate dwarf shrub.  
*Distribution* : Darjiling.
753. ***Cotoneaster nitidus*** Jacq  
*Life form* : Shrub.  
*Distribution* : Darjiling.
754. ***Cotoneaster pannosus*** Franch.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
755. ***Cotoneaster rotundifolius*** Wall. ex  
 Lindl.  
*Life form* : Shrub.  
*Distribution* : Darjiling.

756. **Cotoneaster sandakphuensis** Klotz  
Life form : Shrub.  
Distribution : Darjiling.
757. **Crataegus clarkei** Hook. f.  
Life form : Shrub.  
Distribution : Darjiling.
758. **Crataegus laevigata** (Poir.) DC.  
Life form : Shrub or small tree.  
Distribution : Darjiling.
759. **Docynia indica** (Wall.) Decsn.  
Life form : Tree.  
Distribution : Darjiling.
760. **Duchesnea indica** (Andr.) Foke  
Life form : Annual herb.  
Distribution : Darjiling.
761. **Duchesnea pentaphylla** A. P. Das & Chanda  
Life form : Annual herb.  
Distribution : Darjiling.
762. **Eriobotrya bengalensis** (Roxb.) Hook.f.  
Life form : Tree.  
Distribution : Darjiling.
763. **Eriobotrya japonica** (Thunb.) Lind. (1822)  
Common name : Loquat.  
Life form : Small tree.  
Habitat : Planted in orchards.  
Distribution : Medinipur, Kolkata, South 24 Pgs. (Subuddhipur/Baruipur), Haora, Koch Bihar, Jalpaiguri, Darjiling, Nadia and Murshidabad.
764. **Eriobotrya dubia** (Lindl.) Decaisne  
Life form : Tree.  
Distribution : Darjiling.
765. **Eriobotrya hookeriana** Decne.  
Life form : Small Tree.  
Distribution : Darjiling.
766. **Eriobotrya petiolata** Hook. f.  
Life form : Tree.  
Distribution : Darjiling.
767. **Filipendula vestita** (Wall. ex G. Don) Maxim.  
Life form : Herb.  
Distribution : Darjiling.
768. **Fragaria daltoniana** J. Gay  
Life form : Herb.  
Distribution : Darjiling.
769. **Fragaria nubicola** Lindl.  
Life form : Perennial herb.  
Distribution : Darjiling.
770. **Fragaria rubiginosa** Lacaite  
Life form : Perennial herb.  
Distribution : Darjiling.
771. **Fragaria vesca** L.  
Life form : Herb.  
Distribution : Almost throughout West Bengal.
772. **Geum sikkimense** Prain  
Life form : Herb.  
Distribution : Darjiling.
773. **Kerria japonica** (L.) DC  
Life form : Shrub.  
Distribution : Darjiling.
774. **Maddenia himalaica** Hook.f. & Thoms.  
Life form : Shrub or small tree.  
Distribution : Throughout West Bengal.
775. **Malus baccata** (L.) Borkh  
Life form : Tree.  
Distribution : Darjiling.
776. **Malus sikkimensis** (Wenz.) Kochne  
Life form : Tree.  
Distribution : Darjiling.
777. **Neillia rubiflora** D. Don  
Life form : Shrub.  
Distribution : Darjiling.
778. **Neillia thyrsiflora** D. Don  
Life form : Undershrub.  
Distribution : Darjiling.

779. ***Photinia arguta*** Lindl. var. ***arguta***  
*Life form* : Shrub or small tree.  
*Distribution* : Jalpaiguri.
780. ***Photinia arguta*** Lindl. var. ***hookeri***  
 (D.) Vidal  
*Life form* : Shrub or small tree.  
*Distribution* : Jalpaiguri.
781. ***Photinia glabra*** Decne.  
*Life form* : Tree.  
*Distribution* : Darjiling.
782. ***Photinia integrifolia*** Lindl.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
783. ***Potentilla arbuscula*** D. Don  
*Life form* : Shrub.  
*Distribution* : Darjiling.
784. ***Potentilla fulgens*** Wall.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
785. ***Potentilla griffithii*** Hook.f.  
*Life form* : Herb.  
*Distribution* : Darjiling.
786. ***Potentilla indica*** (Andrews) Wolf  
*Life form* : Herb.  
*Distribution* : Throughout West Bengal.
787. ***Potentilla leuconata*** D. Don  
*Life form* : Herb.  
*Distribution* : Throughout West Bengal.
788. ***Potentilla lineata*** Trevir.  
*Life form* : Herb.  
*Distribution* : Throughout West Bengal.
789. ***Potentilla polyphylla*** Wall. ex Lehm  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
790. ***Potentilla rigida*** Wall. ex Lehm.  
*Life form* : Shrub.  
*Distribution* : Throughout West Bengal.
791. ***Potentilla sundaica*** (Blume) O. Kuntze  
*Life form* : Herb.  
*Distribution* : Throughout West Bengal.
792. ***Potentilla supina*** L. (1753)  
*Life form* : Aquatic herb.  
*Distribution* : Darjiling, Dinajpur and Puruliya.
793. ***Prunus arborea*** (Blume) Kalkman  
 var. ***montana*** (Hook.f.) Kalkman  
*Life form* : Small tree.  
*Distribution* : Darjiling.
794. ***Prunus bracteopadus*** Koehne  
*Life form* : Tree.  
*Distribution* : Darjiling.
795. ***Prunus cerasoides*** D. Don var.  
***cerasoides***  
*Life form* : Tree.  
*Distribution* : Darjiling.
796. ***Prunus cerasoides*** D. Don var.  
***majestica*** (Koehne) C. Ingram  
*Life form* : Tree.  
*Distribution* : Darjiling.
797. ***Prunus ceylonica*** (Wight) Miq.  
*Life form* : Tree.  
*Distribution* : Darjiling.
798. ***Prunus cerasus*** L.  
*Life form* : Tree.  
*Distribution* : Darjiling.
799. ***Prunus cornuta*** (Wall. ex Royle)  
 Steud. var. ***cornuta***  
*Life form* : Tree.  
*Distribution* : Darjiling.
800. ***Prunus cornuta*** (Wall. ex Royle)  
 Steud. var. ***villosa*** Hara  
*Life form* : Tree.  
*Distribution* : Darjiling.
801. ***Prunus glauciphylla*** Ghora &  
 Panigrahi  
*Life form* : Tree.  
*Distribution* : Darjiling.

802. ***Prunus napaulensis*** (Ser.) Steud.  
*Life form* : Tree.  
*Distribution* : Darjiling.
803. ***Prunus persica*** (L.) Batsch  
*Life form* : Tree.  
*Distribution* : Darjiling.
804. ***Prunus rufa*** Hook. f.  
*Life form* : Tree.  
*Distribution* : Darjiling.
805. ***Prunus undulata*** Buch.-Ham. ex D. Don  
*Life form* : Tree.  
*Distribution* : Darjiling.
806. ***Prunus wattii***  
*Life form* : Shrub.  
*Distribution* : Darjiling.
807. ***Pyracantha crenulata*** (D. Don) Roem.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
808. ***Pyrus communis*** L.  
*Life form* : Tree.  
*Distribution* : Darjiling.
809. ***Pyrus japonica*** Thunb.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
810. ***Pyrus pashia*** Buch.-Ham. ex D. Don  
*Life form* : Tree.  
*Distribution* : Darjiling.
811. ***P. pyrifolia*** (Burm.f.) Nakai var. ***culta*** (Makino) Nakai  
*Life form* : Tree.  
*Distribution* : Darjiling.
812. ***Rosa centifolia*** L. (1753)  
*Common name* : Basaraiya gulab.  
*Life form* : Erect shrub.  
*Habitat* : Planted in public gardens.  
*Distribution* : Bankura, Koch Bihar, Darjiling, Maldah, Birbhum, Kolkata, Puruliya, Medinipur, Jalpaiguri and North 24 Pgs. (Shyamnagar).
813. ***Rosa banksiae*** (Aiton) R.Br.ex Ait.f.  
*Life form* : Liana.  
*Distribution* : Darjiling.
814. ***Rosa brunonii*** Lindl.  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.
815. ***Rosa clinophylla*** Thory var. ***clinophylla***  
*Life form* : Shrub.  
*Distribution* : Hugli and South 24 Pgs.
816. ***Rosa clinophylla*** Thory var. ***glabra*** (Lindl. Ex Prain) Ghora & Panigrahi  
*Life form* : Shrub.  
*Distribution* : Maldah.
817. ***Rosa gigantea*** Collett ex Crep.  
*Life form* : Large scrambling shrub.  
*Distribution* : Darjiling.
818. ***Rosa macrophylla*** Lindl.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
819. ***Rosa roxburghii*** Trattin.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
820. ***Rosa sericea*** Lindl.  
*Life form* : Shrub.  
*Distribution* : Throughout West Bengal.
821. ***Rosa sinica*** Murray  
*Life form* : Shrub.  
*Distribution* : Darjiling.
822. ***Rosa triphylla*** Roxb. ex Lindl.  
*Life form* : Shrub or climber.  
*Distribution* : Darjiling.
823. ***Rubus acuminatus*** Smith  
*Life form* : Shrub.  
*Distribution* : Darjiling.
824. ***Rubus calycianus*** Wall. ex D. Don  
*Life form* : Undershrub.  
*Distribution* : Darjiling.

825. ***Rubus calycinoides*** O. Kuntze

*Life form* : Shrub.

*Distribution* : Darjiling.

826. ***Rubus diffusus*** Focke

*Life form* : Shrub.

*Distribution* : Darjiling.

827. ***Rubus ellipticus*** Smith

*Life form* : Shrub.

*Distribution* : Darjiling.

828. ***Rubus filiacens*** Smith

*Life form* : Climbing Shrub.

*Distribution* : Darjiling.

829. ***Rubus fockeanus*** Kurz

*Life form* : Herb.

*Distribution* : Darjiling.

830. ***Rubus fruticosus*** L.

*Life form* : Shrub.

*Distribution* : Darjiling.

831. ***Rubus gardnerianus*** Kuntze

*Life form* : Shrub.

*Distribution* : Darjiling.

832. ***Rubus gigantiflorus*** Hara

*Life form* : Undershrub.

*Distribution* : Darjiling.

833. ***Rubus glandular*** Balakr.

*Life form* : Shrub.

*Distribution* : Darjiling.

834. ***Rubus griffithii*** Hook.f.

*Life form* : Climbing shrub.

*Distribution* : Darjiling.

835. ***Rubus indotibetanus*** Koidz.

*Life form* : Shrub.

*Distribution* : Darjiling.

836. ***Rubus lineatus*** Rienwardt

*Life form* : Shrub.

*Distribution* : Darjiling.

837. ***Rubus macilentus*** Cambess.

*Life form* : Shrub or scrambling shrub.

*Distribution* : Darjiling.

838. ***Rubus mesogaeus*** Focke ex Diels

*Life form* : Scrambling shrub.

*Distribution* : Darjiling.

839. ***Rubus moluccanus*** L.

*Life form* : Scandent shrub.

*Distribution* : Darjiling.

840. ***Rubus niveus*** Thunb. *var. niveus*

*Life form* : Shrub.

*Distribution* : Darjiling.

841. ***Rubus niveus*** Thunb *var. rosaefolius* (Hook.f.) Hara

*Life form* : Shrub.

*Distribution* : Darjiling.

842. ***Rubus paniculatus*** Smith

*Life form* : Shrub.

*Distribution* : Darjiling.

843. ***Rubus pedunculosis*** D. Don

*Life form* : Shrub.

*Distribution* : Darjiling.

844. ***Rubus pentagonus*** Wall. ex Focke

*Life form* : Shrub.

*Distribution* : Darjiling.

845. ***Rubus rosifolius*** Smith

*Life form* : Shrub.

*Distribution* : Darjiling.

846. ***Rubus rugosus*** Smith

*Life form* : Shrub.

*Distribution* : Darjiling.

847. ***Rubus senchalensis*** Hara

*Life form* : Shrub.

*Distribution* : Darjiling.

848. ***Rubus splendidissimus*** Hara

*Life form* : Shrub.

*Distribution* : Darjiling.

849. ***Rubus thomsonii*** Focke

*Life form* : Shrub.

*Distribution* : Darjiling.

850. ***Rubus trentleri*** Hook.f.

*Life form* : Bushy or scrambling shrub.

*Distribution* : Darjiling.

851. **Rubus wardii** Merrill  
*Life form* : Trailing shrub.  
*Distribution* : Darjiling.
852. **Sanguisorba diandra** (Hook.f.) Nordborg  
*Life form* : Herb.  
*Distribution* : Darjiling.
853. **Sibbaldia cuneata** H. Hafn. ex O.Kuntze  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
854. **Sibbaldia micropetala** (D. Don) Hand.-Mazz.  
*Life form* : Herb.  
*Distribution* : Darjiling.
855. **Sibbaldia paviflora** Willd.  
*Life form* : Tamentose herb.  
*Distribution* : Darjiling.
856. **Sibbaldia toullifolia** (Hook.f.) Chatterjee  
*Life form* : Herb.  
*Distribution* : Darjiling.
857. **Sarbaria tomentosa** (Lindl.) Rehder  
*Life form* : Shrub.  
*Distribution* : Darjiling.
858. **Sorbus arachnoids** Koehne.  
*Life form* : Tree.  
*Distribution* : Darjiling.
859. **Sorbus foliosa** (Wall.) Spach var. **wenzigiana** (Schneider) Rushforth  
*Life form* : Shrub.  
*Distribution* : Darjiling.
860. **Sorbus griffithii** (Decne.) Rehder  
*Life form* : Tree.  
*Distribution* : Darjiling.
861. **Sorbus insignis** (Hook.f.) Hedlund  
*Life form* : Tree.  
*Distribution* : Darjiling.
862. **Sorbus kurrii** (Watt. ex Prain) Schneid.  
*Life form* : Small tree.  
*Distribution* : Darjiling.
863. **Sorbus microphylla** Decne.  
*Life form* : Shrub or small tree.  
*Distribution* : Darjiling.
864. **Sorbus rhamnoides** (Decne.) Rehder  
*Life form* : Tree.  
*Distribution* : Darjiling.
865. **Sorbus rufopilosa** Schneider  
*Life form* : Shrub.  
*Distribution* : Darjiling.
866. **Sorbus thomsonii** (King ex Hook.f.) Rehder  
*Life form* : Tree.  
*Distribution* : Darjiling.
867. **Sorbus vestita** (G. Don) Schau.  
*Life form* : Tree.  
*Distribution* : Darjiling.
868. **Sorbus wallichii** (Hook.f.) Yu  
*Life form* : Small tree.  
*Distribution* : Darjiling.
869. **Spirea bella** Sims  
*Life form* : Shrub.  
*Distribution* : Darjiling.
870. **Spirea canescens** D. Don  
*Life form* : Shrub.  
*Distribution* : Darjiling.
871. **Spirea cantoniensis** Lour.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
872. **Spiraea darjilingensis** Panigrahi & Purohit  
*Life form* : Shrub.  
*Distribution* : Darjiling.
873. **Spirea micrantha** Hook. f.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
- Family CRASSULACEAE
874. **Bryophyllum pinnatum** (Lam.) Oken. (1841)  
*Common name* : Pathar Kuchi.

*Life form* : Fleshy, succulent herb.

*Habitat* : Dry waste lands, thickets

*Distribution* : Maldah, Koch Bihar, Haora, Darjiling, Jalpaiguri, Hugli, Medinipur, South 24 Pgs. (Jugdia-Benipur), Birbhum, Puruliya and Murshidabad.

875. ***Kalanchoe grandiflora*** Wight & Arn.

*Life form* : Annual herb.

*Distribution* : Bankura.

876. ***Kalanchoe laciniata*** (L.) DC.

*Life form* : Herb.

*Distribution* : Darjiling and Jalpaiguri.

877. ***Kalanchoe lanceolata*** (Fask.) Pers.

*Life form* : Herb.

*Distribution* : Darjiling.

878. ***Kalanchoe pinnata***

*Life form* : Herb.

*Distribution* : Throughout West Bengal.

879. ***Rhodiola chrysanthemifolia*** (Ler.)

Fu

*Life form* : Herb.

*Distribution* : Darjiling.

880. ***Rhodiola sinuata*** (Royle ex Edgew.)

Fu

*Life form* : Herb.

*Distribution* : Darjiling.

881. ***Sedum multicaule*** Wall. ex Lindl.

*Life form* : Herb.

*Distribution* : Darjiling.

Family DROSERACEAE

882. ***Aldrovanda vesiculosa*** L. (1753)

*Common name* : Malacca jhangi.

*Life form* : Insectivorous aquatic succulent herb.

*Distribution* : North 24 Pgs. (Lower Ganga region).

883. ***Drosera burmannii*** Vahl

*Life form* : Herb.

*Distribution* : Jalpaiguri, Murshidabad, Birbhum, Puruliya, Medinipur and Hugli.

884. ***Drosera indica*** L.

*Life form* : Herb.

*Distribution* : Birbhum.

Family HALORAGACEAE

885. ***Myriophyllum tetrandrum*** Roxb.

*Common name* : Jhangi.

*Life form* : Aquatic.

*Habitat* : Marshy places and ditches.

*Distribution* : North 24 Pgs., Medinipur, Haora, Nadia, Kolkata and Hugli.

886. ***Myriophyllum tuberculatum***

Roxb. (1820)

*Life form* : Aquatic.

*Habitat* : Marshy places and ditches.

*Distribution* : Nadia, Haora, North 24 Pgs., Medinipur and Hugli.

Family RHIZOPHORACEAE

887. ***Bruguiera cylindrica*** (L.) Blume

(1827)

*Common name* : Bakul Kakra.

*Life form* : True mangrove species, tall tree.

*Habitat* : Inter tidal mangrove forest.

*Distribution* : South 24 Pgs. (Sunderban, Sajnakhali).

888. ***Bruguiera gymnorrhiza*** (L.) Savi.

(1797)

*Common name* : Kankra.

*Life form* : Medium tree.

*Habitat* : River banks, intertidal mangrove forest.

*Distribution* : South 24 Pgs. (Sunderban, Harinbari/Sagar Island).

889. ***Bruguiera parviflora*** (Roxb.) Wight

& Arn. ex Griff. (1936)

*Common name* : Bakul Kankra.

*Life form* : Medium tree.

*Habitat* : Inter-tidal mangrove forest.

*Distribution* : South 24 Pgs. (Kulpi).

890. ***Bruguiera sexangula*** (Lour.) Poir.

(1816)

*Common name* : Kankra.



*Life form* : Medium tree.

*Habitat* : Inter-tidal mangrove forest.

*Distribution* : South 24 Pgs. (Sajnakhali).

891. ***Carallia brachiata*** (Lour.) Merr.

*Life form* : Tree.

*Distribution* : Darjiling.

892. ***Ceriops decandra*** (Griff.) Ding Hou  
(1958).

*Common name* : Goran.

*Life form* : Shrub or small tree.

*Habitat* : Inter-tidal mangrove forest and river slopes.

*Distribution* : South 24 Pgs. (Gosaba).

893. ***Ceriops tagal*** (Perr.) Robinson (1908)

*Common name* : Mat-Goran.

*Life form* : Small or moderate tree.

*Habitat* : Inter-tidal mangrove thickets and ridge forests.

*Distribution* : South 24 Pgs. (Kulpi).

894. ***Kandelia candel*** (L.) Druce (1913)

*Common name* : Gorla.

*Life form* : Small or moderate tree.

*Habitat* : Mangrove forests of Sundarban.

*Distribution* : South 24 Pgs. (Pirkhali).

895. ***Rhizophora apiculata*** Blume (1827)

*Common name* : Garjan.

*Life form* : Medium tree.

*Habitat* : Tidal mangrove areas in the coastal areas.

*Distribution* : South 24 Pgs. (Sanjnakhali/Sunderban).

896. ***Rhizophora mucronata*** Poir. (1804)

*Common name* : Garjan.

*Life form* : Medium tree.

*Habitat* : Tidal mangrove forests, in river slopes & swampy inter-tidal zones of Sundarban, co-existed with *Ceriops* spp. and *Burquiera*.

*Distribution* : South 24 Pgs. (Sajnakhali).

Family COMBRETACEAE

897. ***Lumnitzera racemosa*** Willd. (1803)

*Common name* : Kripal.

*Life form* : Tree.

*Habitat* : Above tidal forests, as the back mangal species.

*Distribution* : South 24 Pgs. (Namkhana).

898. ***Quisqualis indica*** L. (1762)

*Common name* : Rangoon-ke-bel.

*Life form* : Climbing shrub.

*Habitat* : Wastelands and village thickets.

*Distribution* : Medinipur, Birbhum, South 24 Pgs. (Sarberia/Sandeskhali), Maldah, Kolkata, Puruliya, Darjiling, Nadia, Bankura, Barddhaman, Koch Bihar, Hugli, Haora, Murshidabad, Dinajpur and Jalpaiguri.

899. ***Terminalia arjuna*** (Roxb. ex DC.)  
Wight & Arn. (1834)

*Common name* : Arjuna.

*Life form* : Large tree.

*Habitat* : Avenue tree and wild in village shrubberies.

*Distribution* : Koch Bihar, Barddhaman, Murshidabad, Darjiling, Medinipur, South 24 Pgs. (Sagar Island), Kolkata, Puruliya, Bankura, Dinajpur, Nadia, Hugli, Haora, Maldah, Birbhum and Jalpaiguri.

900. ***Terminalia bellirica*** (Gaertn.) Roxb.  
ex Fleming (1798)

*Common name* : Bohera.

*Life form* : Medium to large tree.

*Habitat* : Avenue tree.

*Distribution* : Maldah, Jalpaiguri, Hugli, Haora, Dinajpur, Nadia, Koch Bihar, Birbhum, Murshidabad, Medinipur, Kolkata, Bankura, Puruliya, South 24 Pgs. (Malirdhar/Canning) and Barddhaman.

901. ***Terminalia catappa*** L. (1767)

*Common name* : Katbadam or Deshibadam.

*Life form* : Large tree.

*Habitat* : Avenue tree or in garden edges.

*Distribution* : Medinipur, North 24 Pgs. (Dakshmin Barasat), Kolkata, Puruliya, Dinajpur, Bankura, Haora, Darjiling, Birbhum and Nadia.

902. ***Terminalia chebula*** (Gaertn.) Retz. (1789)

*Common name* : Haritaki.

*Life form* : Medium to large tree.

*Habitat* : Planted as ornamental & avenue tree.

*Distribution* : Maldah, South 24 Pgs. (Dhopagachi/Baruipur), Medinipur, Dinajpur, Jalpaiguri, Koch Bihar, Bankura, Birbhum, Puruliya, Barddhaman and Murshidabad.

Family MYRTACEAE

903. ***Callistemon citrinus*** (Curt.) Stapf (1925)

*Common name* : Botal Brass.

*Life form* : Large shrub.

*Habitat* : Commonly planted in gardens.

*Distribution* : North 24 Pgs. (Madhyamgram), Medinipur, Kolkata, Maldah, Barddhaman, Koch Bihar, Dinajpur, Hugli and Jalpaiguri.

904. ***Eucalyptus citriodora*** Hook. (1848)

*Common name* : Eucalyptus.

*Life form* : Tall tree.

*Habitat* : Planted as avenue tree.

*Distribution* : Dinajpur, Jalpaiguri, Barddhaman, Nadia, Haora, Birbhum, Darjiling, Bankura, Medinipur, Koch Bihar, Hugli, Kolkata, Murshidabad, South 24 Pgs. (Jadavpur), Puruliya and Maldah.

905. ***Melaleuca leucadendron*** L. (1767)

*Common name* : Cajaputi.

*Life form* : Small to medium tree.

*Habitat* : Rarely planted in the gardens.

*Distribution* : Darjiling, Koch Bihar, Dinajpur, Jalpaiguri and South 24 Pgs.

906. ***Psidium guajava*** L. (1753)

*Common name* : Piyara.

*Life form* : Small tree.

*Habitat* : Planted in orchards.

*Distribution* : South 24 Pgs. (Dhanyakuria).

907. ***Syzygium cumini*** (L.) Skeels (1912)

*Common name* : Kalo-jam.

*Life form* : Medium tree.

*Habitat* : Rarely planted, self-grown in village areas.

*Distribution* : Darjiling, Hugli, Kolkata, Medinipur, Haora, Birbhum, Bankura, Barddhaman, Murshidabad, Dinajpur, Maldah, Nadia, Koch Bihar, South 24 Pgs. (Amtala, Dewanganj), Puruliya and Jalpaiguri.

908. ***Syzygium fruticosum*** DC. (1828)

*Common name* : Ban jam.

*Life form* : Medium tree.

*Habitat* : Wild or self-shown.

*Distribution* : South 24 Pgs. (Basanti/river banks).

909. ***Syzygium jambos*** (L.) Alston (1931)

*Common name* : Golap jam.

*Life form* : Small to medium tree.

*Habitat* : Planted in the orchards.

*Distribution* : 24 Pgs. (Nabagram).

910. ***Syzygium malaccense*** (L.) Merr. & Perry (1938)

*Common name* : Malacca jamrul.

*Distribution* : Koch Bihar and Jalpaiguri.

911. ***Syzygium ruscifolium*** (Willd.) Santapau & Wagh (1963)

*Common name* : Hidjili Menadi.

*Life form* : Woody shrub.

*Distribution* : Dinajpur, Jalpaiguri, South 24 Pgs. and Koch Bihar.

912. ***Syzygium samarangense*** (Blume) Merrill & Perry (1938).

*Common name* : Jamrul.

*Life form* : Medium sized tree.

*Habitat* : Planted in the orchards, or self-shown.

*Distribution* : North 24 Pgs. (Nilgunj/Barrackpur).

913. **Syzygium tetragonum** Wall.ex Wt.  
*Life form* : Tree.  
*Distribution* : Darjiling.  
 Family LECYTHIDACEAE
914. **Barringtonia acutangula** (L.)  
 Gaertn. (1780)  
*Common name* : Hijal.  
*Life form* : Moderate tree.  
*Habitat* : Banks of the rivers of Sunderban.  
*Distribution* : Maldah, Jalpaiguri, Hugli, South 24 Pgs. (Mollakhali), Haora, Murshidabad, Nadia, Dinajpur, Koch Bihar, Barddhaman, Medinipur and Kolkata.
915. **Barringtonia racemosa** Roxb. (1824)  
*Common name* : Sumudra.  
*Life form* : Tall tree.  
*Habitat* : River banks.  
*Distribution* : Maldah, Dinajpur, Hugli, Medinipur, Koch Bihar, Barddhaman, Jalpaiguri, Nadia, Haora, Kolkata, South 24 Pgs. (Sagar Island, Basirhat) and Murshidabad.  
 Family MELASTOMETACEAE
916. **Medinilla erythrophylla** (Wall.) Lindl.  
*Life form* : Epiphytic or terrestrial shrub.  
*Distribution* : Darjiling and Jalpaiguri.
917. **Medinilla himalayana** Hook.f. ex Triana  
*Life form* : Shrub.  
*Distribution* : Darjiling.
918. **Melastoma malabathricum** L.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
919. **Melastoma normale** D. Don  
*Life form* : Undershrub.  
*Distribution* : Darjiling.
920. **Memecylon umbellatum** Burm.f. (1768)  
*Common name* : Anjan.  
*Life form* : Small tree.
- Habitat* : Very rare in vill. Thickets.  
*Distribution* : South 24 Pgs. (Falta), Haora and Nadia.
921. **Osbeckia chinensis** L. var. **chinensis**  
*Life form* : Perennial herb.  
*Distribution* : Darjiling, West Dinajpur and Birbhum.
922. **Osbeckia chinensis** L. var. **pusilla** (Zoll.) Triana  
*Life form* : Herb.  
*Distribution* : Darjiling.
923. **Osbeckia crinita** Benth. ex Nandin.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
924. **Osbeckia darjilingensis** Giri & Nayar  
*Life form* : Shrub or herb.  
*Distribution* : Darjiling.
925. **Osbeckia muralis** Nandin  
*Life form* : Annual herb.  
*Distribution* : Western part of West Bengal.
926. **Osbeckia nepelensis** Hook.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
927. **Osbeckia nutans** Wall. ex Clarke  
*Life form* : Erect or schandent shrub.  
*Distribution* : Darjiling.
928. **Osbeckia rostrata** D. Don  
*Life form* : Shrub.  
*Distribution* : Darjiling.
929. **Osbeckia stellata** Buch.-Ham.ex Ker-Gawl.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
930. **Oxyspora paniculata** (D. Don) DC.  
*Life form* : Shrub.  
*Distribution* : Darjiling and Jalpaiguri.
931. **Sarcopyramis nepalensis** Wall.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.

932. *Sonerila amabilis* Kurz*Life form* : Herb.*Distribution* : Darjiling.933. *Sonerila tenera* Royle*Life form* : Herb.*Distribution* : Darjiling.934. *Tibouchina semidecandra* Cogn.*Life form* : Shrub.*Distribution* : Darjiling.

Family LYTHRACEAE

935. *Ammannia auriculata* Willd.*Life form* : Herb.*Distribution* : Koch Bihar and Murshidabad.936. *Ammannia baccifera* L. (1753)subsp. *baccifera**Common name* : Dadmari.*Life form* : Annual marsh herb.*Habitat* : Marshy habitat.*Distribution* : Medinipur, Bankura, Koch Bihar, Haora, Birbhum, Jalpaiguri, South 24 Pgs. (Sunderban), Murshidabad, Maldah, Nadia, Barddhaman and Hugli.937. *Ammannia baccifera* L. subsp.*aegyptica* (Willd.) Koehne*Life form* : Fleshy herb.*Distribution* : Bankura, Medinipur, South 24 Pgs. and Puruliya.938. *Ammannia multiflora* Roxb. (1820)*Life form* : Marshy herb.*Habitat* : Marshy Habitat.*Distribution* : South 24 Pgs. (Amtala, Diamond Harbour).939. *Cuphaea procumbens* Cav.*Life form* : Perennial herb.*Distribution* : Darjiling.940. *Nesaea brevipes* Koehne*Life form* : Herb.*Distribution* : Puruliya.941. *Woodfordia fruticosa* (L.) Kurz*Life form* : Shrub.*Distribution* : Darjiling and Jalpaiguri.

Family JUGLANDACEAE

942. *Engelhardtia spicata* Lesch. ex Blume*Life form* : Tree.*Distribution* : Darjiling.943. *Lagerstromia indica* L. (1759)*Common name* : China.*Life form* : Shrub.*Habitat* : Planted in the ornamental gardens.*Distribution* : Jalpaiguri, Puruliya, Medinipur, Kolkata, Murshidabad, South 24 Pgs. (Joynagar/Mazilpur), Koch Bihar, Darjiling, Nadia, Haora, Maldah, Barddhaman, Bankura, Dinajpur, Hugli and Birbhum.944. *Lagerstroemia parviflora* Roxb.*Life form* : Tree.*Distribution* : Darjiling, Jalpaiguri, Barddhaman, Medinipur and Puruliya.945. *Lagerstromia speciosa* (L.) Pers.

(1806)

*Common name* : Jarul.*Life form* : Medium to large tree.*Habitat* : Avenue tree.*Distribution* : Maldah, Bankura, Birbhum, Barddhaman, Haora, Murshidabad, Darjiling, Hugli, Jalpaiguri, Nadia, South 24 Pgs. (Gosaba), Kolkata, Puruliya, Medinipur, Koch Bihar and Dinajpur.946. *Lawsonia inermis* L. (1753)*Common name* : Mehendi.*Life form* : Spiny hedge shrub.*Habitat* : Hedges.*Distribution* : South 24 Pgs. (Falta).947. *Rotala cordata* Koehne*Life form* : Herb.*Distribution* : Darjiling.

948. ***Rotala densiflora*** (Roth ex Roem. & Schult.) Koehne (1880)  
*Life form* : Herb.  
*Habitat* : Waste places.  
*Distribution* : North 24 Pgs. (Salt Lake area/Bamanghata ).
949. ***Rotala indica*** (Willd.) Koehne (1880)  
*Life form* : Herb.  
*Habitat* : Waste places.  
*Distribution* : South 24 Pgs. (Baruipur).
950. ***Rotala mexicana*** Cham. & Schlecht.  
*Life form* : Aquatic herb.  
*Distribution* : Darjiling, Haora and Murshidabad.
951. ***Rotala rosa*** (Poir.) C. D. K. Cook  
*Life form* : Herb.  
*Distribution* : Hugli, Haora, Medinipur, Puruliya and West Dinajpur.
952. ***Rotala rotundifolia*** (Buch.-Ham.) ex Roxb.Koehne(1881)  
*Life form* : Herb.  
*Habitat* : Waste places.  
*Distribution* : South 24 Pgs. (Herobhanga).
953. ***Rotala wallichii*** (Hook.f.) Koehne  
*Life form* : Aquatic herb.  
*Distribution* : Jalpaiguri.  
 Family SONNERATIACEAE
954. ***Duabanga grandiflora*** (Roxb. ex DC.) Walp.  
*Life form* : Tree.  
*Distribution* : Darjiling and Jalpaiguri.
955. ***Sonneratia apetala*** Buch.-Ham. (1800)  
*Common name* : Keora.  
*Life form* : Medium tree.  
*Habitat* : Swamps of Sunderban.  
*Distribution* : South 24 Pgs. (Rangabelia/Sunderban).
956. ***Sonneratia caseolaris*** (L.) Engler(1897)  
*Common name* : Chak-Keora.
- Life form* : Small to medium tree.  
*Habitat* : Linner estuaries.  
*Distribution* : South 24 Pgs. (Kulti estuary, Sakha Bidyadhari).
957. ***Sonneratia griffithii*** Kurz (1871)  
*Common name* : Ora.  
*Life form* : Small to medium tree.  
*Habitat* : Outer estuaries or shore lines or true estuaries.  
*Distribution* : South 24 Pgs. (Sunderban).  
 Family PUNICACEAE
958. ***Punica granatum*** L. (1753)  
*Common name* : Dalim.  
*Life form* : Shrub or small tree.  
*Habitat* : Cultivated in old orchards.  
*Distribution* : Dinajpur, Medinipur, Hugli, Maldah, Barddhaman, Jalpaiguri, Koch Bihar, Darjiling, Bankura, Birbhum, Puruliya, South 24 Pgs. (Canning/Bhangankhali), Kolkata, Nadia, Murshidabad and Haora.  
 Family ONAGRACEAE
959. ***Circea alpina*** L. subsp. ***maicola*** (Aschers. & Magnus) Kitamura  
*Life form* : Herb.  
*Distribution* : Darjiling.
960. ***Circea repens*** Wall. ex Aschr. & Magnus  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
961. ***Epilobium amurense*** Hausskn. ssp. ***amurense***  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
962. ***Epilobium brevifolium*** D. Don  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
963. ***Epilobium cylindricum*** D. Don  
*Life form* : Annual herb.  
*Distribution* : Darjiling.

964. *Epilobium sikkimense* Haussknecht  
Life form : Herb.

Distribution : Darjiling.

965. *E. wallichianum* Haussknecht

Life form : Herb.

Distribution : Darjiling.

966. *Epilobium sikkimense* Haussknecht

Life form : Herb.

Distribution : Darjiling.

967. *Epilobium wallichianum*

Haussknecht

Life form : Herb.

Distribution : Darjiling.

968. *Fuchsia dependens* Hook.

Life form : Shrub.

Distribution : Darjiling.

969. *Ludwigia adscendens* (L.) Hara  
(1953)

Common name : Kesara-dam.

Distribution : Birbhum, Dinajpur, Jalpaiguri, Murshidabad, Puruliya, Hugli, South 24 Pgs., Darjiling, Barddhaman, Koch Bihar, Maldah, Haora, Bankura, Medinipur, Nadia and Kolkata.

970. *Ludwigia erecta* (L.) Hara

Life form : Herb.

Distribution : Haora.

971. *Ludwigia hyssopifolia* (D. Don)  
Exell

Life form : Herb.

Distribution : Throughout the State.

972. *Ludwigia octovalvis* (Jacq.) Raven  
subsp. *octovalvis*

Life form : Herb.

Distribution : Throughout the state.

973. *Ludwigia octovalvis* ssp.  
*sessiliflora* (Micheli) Raven (1962)

Life form : Herb.

Distribution : North 24 Pgs.

974. *Ludwigia perennis* Roxb. (1820)

Life form : Herb.

Distribution : South 24 Pgs.

975. *Ludwigia prostrata* Roxb. (1820)

Life form : Herb.

Distribution : South 24 Pgs.

976. *Oenothera erythrosepala* Borbas

Life form : Perennial herb.

Distribution : Darjiling.

977. *Oenothera rosea* Aiton

Life form : Perennial herb.

Distribution : Darjiling.

Family TRAPACEAE

978. *Trapa bispinosa* Roxb. (1798)

Common name : Pani Phal or Singara Phal.

Life form : Aquatic herb.

Habitat : Cultivated in the water bodies.

Distribution : Barddhaman, Jalpaiguri, Murshidabad, Koch Bihar, Maldah, Kolkata, Nadia, Haora, Dinajpur, South 24 Pgs., Hugli and Medinipur.

979. *Casearia elliptica* Willd. (1800)

Life form : Small tree.

Habitat : Road sides as avenue tree.

Distribution : North 24 Pgs. (Shyamnagar).

Family PASSIFLORACEAE

980. *Adenia trilobata* (Roxb.) Engl.

Life form : Climbing shrub.

Distribution : Darjiling.

981. *Passiflora edulis* Sims

Life form : Climber.

Distribution : Darjiling, Murshidabad and Hugli.

982. *Passiflora foetida* L. (1753)

Life form : Climbing shrub.

Habitat : Climbing on the bushes as a wild species.

Distribution : Hugli, Jalpaiguri, Murshidabad, Haora, Dinajpur, Nadia, Koch Bihar, Medinipur, Kolkata, Barddhaman, Maldah and South 24 Pgs. (Canning, Amtala).

983. *Passiflora nepalensis* Wall.

Life form : Climbing herb.

*Distribution* : Darjiling.

984. *Passiflora quadrangularis* L.

*Life form* : Climber.

*Distribution* : North Bengal.

985. *Passiflora suberosa* L. (1753)

*Common name* : Jhumko.

*Life form* : Climbling or prostrate herb.

*Habitat* : Hedges and thickets.

*Distribution* : South 24 Pgs. (Sashan/near Baruipur, lower Ganga delta).

986. *Passiflora subpeltata* Ortega

*Life form* : Climber.

*Distribution* : North Bengal.

Family CARICACEAE

987. *Carica papaya* L. (1753)

*Common name* : Papaya.

*Life form* : Branched or unbranched, herbaceous, tree like habit.

*Habitat* : Planted/cultivated.

*Distribution* : Darjiling, Puruliya, Bankura, South 24 Pgs. (Bamanghata/Tapsia), Dinajpur, Maldah, Kolkata, Haora, Birbhum, Hugli, Barddhaman, Nadia, Koch Bihar, Medinipur, Jalpaiguri and Murshidabad.

Family CUCURBITACEAE

988. *Benincasa hispida* (Thunb.) Cogn. (1888)

*Common name* : Chal-Kumra.

*Life form* : Trailing or climbing annual herb.

*Habitat* : Cultivated in the vill. gardens.

*Distribution* : Jalpaiguri, Bankura, Haora, Darjiling, Koch Bihar, Puruliya, Medinipur, North 24 Pgs. (Titagarh), Murshidabad, Barddhaman, Kolkata, Hugli, Dinajpur, Maldah, Nadia and Birbhum.

989. *Biswarea tonglensis* C. B. Clarke  
Cogn.

*Life form* : Climber.

*Distribution* : Darjiling.

990. *Bryonopsis laciniosa* (L.) Naud.

*Life form* : Climber.

*Distribution* : Darjiling.

991. *Chaerophyllum reflexum* Lindl.

*Life form* : Herb.

*Distribution* : Darjiling.

992. *Chaerophyllum villosum* Wall. ex DC.

*Life form* : Herb.

*Distribution* : Darjiling.

993. *Cnidium monnieri* (L.) Cusson

*Life form* : Herb.

*Distribution* : Jalpaiguri.

994. *Citrullus lanatus* (Thunb.)  
Matsumuri & Nakai

*Life form* : Climber.

*Habitat* : Cultivated.

*Distribution* : South 24 Pgs.

995. *Citrullus vulgaris* Schard. ex Eckl. (1836)

*Common name* : Tarmuz.

*Life form* : Annual climbing or trailing herb.

*Habitat* : Cultivated on sandy soils.

*Distribution* : Haora, Koch Bihar, South 24 Pgs. (Malancha/near Gobindapur), Hugli and Jalpaiguri.

996. *Coccinia grandia* (L.) Voigt

*Common name* : Tela-Kucha.

*Life form* : Creeper.

*Habitat* : Hedges & thickets.

*Distribution* : Koch Bihar, Dinajpur, Darjiling, South 24 Pgs. (Diamond Harbour), Jalpaiguri, Haora, Birbhum, Murshidabad, Bankura, Barddhaman, Nadia, Maldah, Kolkata, Medinipur, Puruliya and Hugli.

997. *Corallocarpus epigaeus* (Rottl. & Willd.) Hook.f.

*Life form* : Climbing herb.

*Distribution* : Plains of West Bengal.

998. *Cortiella hookeri* (C.B. Clarke)  
Norman

*Life form* : Herb.

*Distribution* : Darjiling.

999. ***Cucumis callosus*** (Rottler) Cogn.  
(1924)

*Life form* : Climber or creeper.

*Habitat* : Railway tracks, waste places and road sides.

*Distribution* : Darjiling, Kolkata, Puruliya, North 24 Pgs. (Bamanpukur), Haora, Dinajpur, Murshidabad, Birbhum, Medinipur, Koch Bihar, Barddhaman, Hugli, Jalpaiguri, Nadia, Maldah and Bankura.

1000. ***Cucumis melo*** L. (1753)

*Common name* : Karbuz.

*Life form* : Climber or creeper.

*Habitat* : Cultivated land.

*Distribution* : Jalpaiguri, Barddhaman, Nadia, Dinajpur, Birbhum, Maldah, Bankura, Haora, Murshidabad, Kolkata, Puruliya, South 24 Pgs. (Sonarpur), Medinipur, Koch Bihar and Hugli.

1001. ***Cucumis sativus*** L. (1753)

*Common name* : Sasa.

*Life form* : Climber or creeper.

*Habitat* : Cultivated land.

*Distribution* : Medinipur, Puruliya, Kolkata, Maldah, Birbhum, Jalpaiguri, Bankura, Dinajpur, Hugli, Nadia, Murshidabad, Haora, Barddhaman, Koch Bihar and South 24 Pgs. (Dhopagachhi).

1002. ***Cucurbita maxima*** Buch.-Ham.  
(1786)

*Common name* : Mitha Kumra.

*Life form* : Climber or creeper.

*Habitat* : On the road side garbages, cultivated land.

*Distribution* : Nadia, North 24 Pgs. (Nilgunj/Barrackpur), Puruliya, Medinipur, Barddhaman, Birbhum, Hugli, Maldah, Haora, Murshidabad, Jalpaiguri, Kolkata, Koch Bihar, Dinajpur, Bankura and Darjiling.

1003. ***Cucurbita pepo*** DC.

*Common name* : Kumra.

*Life form* : Climber or creeper.

*Habitat* : Cult.

*Distribution* : Murshidabad, Haora, Birbhum, Dinajpur, Jalpaiguri, Maldah, Nadia, Darjiling, Bankura, Barddhaman, Koch Bihar, Hugli, Puruliya, North 24 Pgs., Kolkata and Medinipur.

1004. ***Diplocyclos palmatus*** (L.) Jeffrey  
(1962)

*Common name* : Mala.

*Life form* : Herb.

*Habitat* : Hedges and thickets.

*Distribution* : North 24 Pgs. (Birati).

1005. ***Edgaria Darjilingensis*** C.B. Clarke

*Life form* : Climber.

*Distribution* : Darjiling.

1006. ***Gomphogyne cissiformis*** Griff.

*Life form* : Climber.

*Distribution* : Darjiling.

1007. ***Gymnopetalum cochinchinense***  
(Lour.) Kurz

*Life form* : Climber.

*Habitat* : Rarely found on the waste lands of vill. shrubberies.

*Distribution* : South 24 Pgs. (Narendrapur/near Kamalgazi), Darjiling and Jalpaiguri.

1008. ***Gynostenma pedata*** Blume

*Life form* : Climbing herb.

*Distribution* : Darjiling.

1009. ***Gynostemma pentaphyllum***  
(Thunb.) Makino

*Life form* : Shrubby climber.

*Distribution* : Darjiling.

1010. ***Herpitospermum pedunculatum***  
ex DC. Baill.

*Life form* : Climber.

*Distribution* : Darjiling.

1011. ***Hodgsonia microcarpa*** (Blume)  
Cogn.

*Life form* : Large climber.

*Distribution* : Jalpaiguri.



1012. **Lagenaria siceraria** (Mol.) Standl.  
*Common name* : Lau.  
*Life form* : Climber.  
*Habitat* : Cultivated land.  
*Distribution* : South 24 Pgs.
1013. **Luffa acutangula** Roxb.  
*Common name* : Jhinga.  
*Life form* : Climber.  
*Habitat* : Cultivated land.  
*Distribution* : Barddhaman, South 24 Pgs., Kolkata, Haora, Jalpaiguri, Nadia, Murshidabad, Hugli, Medinipur, Maldah, Cochbeha and Darjiling.
1014. **Luffa cylindrica** (L.) Roem. (1846)  
*Common name* : Dhundal.  
*Life form* : Large climber.  
*Habitat* : Cultivated land.  
*Distribution* : Koch Bihar, Medinipur, arjeeling, Kolkata, South 24 Pgs. (Subuddhipur/Baruipur), Barddhaman, Haora, Maldah, Murshidabad, Jalpaiguri, Hugli and Nadia.
1015. **Luffa echinata** Roxb.  
*Life form* : Herb.  
*Distribution* : Darjiling and Jalpaiguri.
1016. **Luffa graveolens** Roxb.  
*Life form* : Herb.  
*Distribution* : Darjiling.
1017. **Melothria heterophylla** (Lour.) Cogn.  
*Life form* : Herb.  
*Distribution* : Hugli, Haora, North 24 Pgs., Medinipur, Bankura, Puruliya and Koch Bihar.
1018. **Melothria maderaspatana** (L.) Cogn.  
*Life form* : Climber.  
*Distribution* : Cultivated land.
1019. **Momordica charantia** L. var. **charantia**  
*Common name* : Karala.  
*Life form* : Annual climber.  
*Habitat* : Cultivated land.
- Distribution* : Murshidabad, Medinipur, Dinajpur, Hugli, Nadia, South 24 Pgs. (Kadampur), Koch Bihar, Barddhaman, Haora, Maldah and Jalpaiguri.
1020. **Momordica charantia** L. var. **muricata** (Willd.) Chakravarty  
*Life form* : Climber.  
*Distribution* : Throughout West Bengal.
1021. **Momordica cochinchinensis** (Lour.) Spreng.  
*Common name* : Kakrol.  
*Life form* : Strong climbing shrub.  
*Habitat* : Cultivated land.  
*Distribution* : Murshidabad, North 24 Pgs. (Habra/Ashokenagar), Medinipur, Kolkata, Haora, Jalpaiguri, Hugli, Barddhaman, Koch Bihar, Dinajpur, Birbhum, Nadia, Darjiling and Maldah.
1022. **Momordica dioica** Roxb. ex Willd. (1805)  
*Common name* : Ban-Karala.  
*Life form* : Climber.  
*Habitat* : Cultivated land.  
*Distribution* : Koch Bihar, North 24 Pgs. (Taki/Sankchura, lower Ganga delta), Birbhum and Darjiling.
1023. **Mukia maderaspatana** (L.) Roem (1846)  
*Common name* : Bilasi.  
*Life form* : Annual climber.  
*Habitat* : Waste lands and vacant plots.  
*Distribution* : South 24 Pgs. (Herobhanga).
1024. **Neosalsomitra clavigera** (Wall.) Hutch.  
*Life form* : Woody climber.  
*Distribution* : Darjiling.
1025. **Sechium edule** (Jacq.) Swartz  
*Life form* : Climber.  
*Distribution* : Darjiling.
1026. **Solena amplexiculis** (Lam.) Gandhi (1976)  
*Common name* : Kudri.

*Life form* : Climber.

*Habitat* : Village thickets and hedges.

*Distribution* : 24 Pgs. (Ramnagar/Jugdha).

1027. ***Thladiantha calcarata*** Cogn.

*Life form* : Climber.

*Distribution* : Darjiling.

1028. ***Thladiantha cordifolia*** (Blume)  
Cogn.

*Life form* : Herb.

*Distribution* : Darjiling.

1029. ***Trichosanthes anguina*** L.

*Common name* : Chichinga.

*Life form* : Climber.

*Habitat* : Cultivated land.

*Distribution* : Haora, Maldah, Koch Bihar, Barddhaman, Dinajpur, Nadia, Bankura, Jalpaiguri, Medinipur and North 24 Pgs.

1030. ***Trichosanthes bracteata*** (Lam.)  
Voigt (1845)

*Life form* : Climber.

*Habitat* : Cultivated land.

*Distribution* : Bankura, Barddhaman, North 24 Pgs. (Bamanpukur), Koch Bihar, Jalpaiguri, Dinajpur, Darjiling, Nadia, Murshidabad and Maldah.

1031. ***Trichosanthes cordata*** Roxb.

*Life form* : Climber.

*Distribution* : Darjiling and Jalpaiguri.

1032. ***Trichosanthes cucumerina*** L.  
(1753)

*Common name* : Ban Chichinga.

*Life form* : Annual climber.

*Habitat* : Vill. Scrub jungles.

*Distribution* : Birbhum and South 24 Pgs. (Basanti).

1033. ***Trichosanthes dioica*** Roxb.

*Common name* : Patal.

*Life form* : Annual climber.

*Habitat* : Cultivated.

*Distribution* : Medinipur, Jalpaiguri, South 24 Pgs., Maldah, Koch Bihar, Murshidabad, Dinajpur, Barddhaman, Birbhum, Nadia, Hugli and Haora.

1034. ***Trichosanthes himalensis***  
C.B. Clarke

*Life form* : Climber.

*Distribution* : Darjiling and Jalpaiguri.

1035. ***Trichosanthes lepiniana*** (Naud.)  
Cogn.

*Life form* : Climber.

*Distribution* : Darjiling.

1036. ***Trichosanthes nervifolia*** L. (1753)

*Common name* : Ban-Chichinga.

*Life form* : Perennial, stem woody.

*Habitat* : Waste places.

*Distribution* : North 24 Pgs. (Taki/Sanchura).

1037. ***Trichosanthes ovigea*** Blume

*Life form* : Climber.

*Distribution* : Darjiling.

1038. ***Trichosanthes tricuspida*** Lour.

*Life form* : Climber.

*Distribution* : Darjiling and Jalpaiguri.

1039. ***Trichosanthes wallichiana***  
(Seringe) Wight

*Life form* : Climber.

*Distribution* : Darjiling and Jalpaiguri.

1040. ***Zanonia indica*** L.

*Life form* : Woody climber.

*Distribution* : Haora (Rare).

1041. ***Zehneria maysorensis*** (Wight & Arn.) Arn.

*Life form* : Climber.

*Distribution* : Darjiling.

1042. ***Zehneria indica*** (Lour.) Kerandren

*Life form* : Scandent Herb.

*Distribution* : Darjiling, Jalpaiguri and Koch Bihar.

## Family CACTACEAE

1043. *Cereus hexagonus* (L.) Mill.*Life form* : Shrub.*Distribution* : Haora and Murshidabad.1044. *Opuntia dillenii* (Ker-Gawler) Haw.  
(1819)*Common name* : Phana.*Habitat* : Sandy sea shores.*Distribution* : Koch Bihar, Medinipur, Murshidabad, Maldah, Dinajpur, Jalpaiguri, Nadia, South 24 Pgs. (Lower Ganga delta) and Birbhum.1045. *Opuntia elatior* Mill.*Life form* : Shrub.*Distribution* : Puruliya.1046. *Pereskia bleo* (H.B.K.) DC.*Life form* : Shrub.*Distribution* : Haora and Murshidabad.

## Family AIZOACEAE

1047. *Gisekia pharnaceoides* L.*Life form* : Herb.*Distribution* : Bankura and Medinipur.1048. *Sesuvium portulacastrum* L. (1753)*Common name* : Gada Bani.*Distribution* : South 24 Pgs. (Mangrove forest areas, Sunderban).1049. *Trianthema portulacastrum* L.  
(1753)*Common name* : Sabuni.*Habitat* : Swampy areas.*Distribution* : Koch Bihar, Jalpaiguri, Murshidabad, Medinipur, South 24 Pgs. (Sunderban), Kolkata, Puruliya, Barddhaman, Haora, Maldah, Dinajpur, Nadia, Birbhum, Hugli and Bankura.1050. *Trianthema triquetra* Rottl. &  
Willd. (1803)*Habitat* : Swampy areas.*Distribution* : South 24 Pgs. (Sunderban).

## Family MOLLUGINACEAE

1051. *Glinus lotoides* L. (1753)*Life form* : Annual herb.*Habitat* : Waste places, dry fields.*Distribution* : Haora, North 24 Pgs. (Dewanganj), Barddhaman, Birbhum, Hugli, Bankura, Puruliya and Nadia.1052. *Glinus oppositifolia* (L.) DC. (1901)*Common name* : Gima Sak.*Life form* : Annual herb.*Habitat* : „ open pustures & along way sides.*Distribution* : South 24 Pgs. (Madarhat/ Baruipur).1053. *Mollugo pentaphylla* L. (1753)*Common name* : Khet Papra.*Distribution* : North 24 Pgs. (Lower ganga delta, Salt Lake areas), Hugli, Puruliya, Bankura, Dinajpur, Haora, Kolkata, Birbhum, Murshidabad, Maldah, Medinipur and Jalpaiguri.

## Family APIACEAE

1054. *Acronema belletum* (C.B. Clarke)  
P.K. Mukherjee*Life form* : Herb.*Distribution* : Darjiling.1055. *Acronema tenesum* (DC.) Edgew.*Life form* : Herb.*Distribution* : Darjiling.1056. *Anethum graveolens* L. (1753)*Common name* : Salpha.*Life form* : Herb.*Habitat* : Garden escapes in the villages.*Distribution* : South 24 Pgs. (Basanti/ Sunderban).1057. *Bupleurum candolleii* Wall. ex DC.*Life form* : Herb.*Distribution* : Darjiling.1058. *Carum carvi* L.*Life form* : Herb.*Distribution* : Cultivated throughout West Bengal.1059. *Centella asiatica* (L.) Urban (1897).*Common name* : Thankuni.

*Life form* : Diffuse herb.

*Habitat* : Garden grounds.

*Distribution* : Jalpaiguri, Puruliya, North 24 Pgs. (Lower Ganga delta), Kolkata, Dinajpur, Medinipur, Darjiling, Maldah, Nadia, Haora, Birbhum, Hugli, Bankura, Barddhaman, Koch Bihar and Murshidabad.

1060. *Coriandrum sativum* L. (1753)

*Common name* : Dhane.

*Life form* : Annual her.

*Habitat* : Cultivated in the vill. Gardens.

*Distribution* : Bankura, Medinipur, Puruliya, Kolkata, South 24 Pgs. (Garia, Budge Budge), Jalpaiguri, Dinajpur, Maldah, Koch Bihar, Haora, Nadia, Birbhum, Barddhaman, Murshidabad and Hugli.

1061. *Cuminum cuminum* L. (1753)

*Common name* : Zira.

*Life form* : Annual her.

*Habitat* : Cultivated.

*Distribution* : North 24 Pgs. (Bamanghata).

1062. *Daucus carota* L. (1753)

*Common name* : Gajar.

*Life form* : Herb.

*Habitat* : Cultivated.

*Distribution* : Hugli, Murshidabad, Nadia, Bankura, Haora, Jalpaiguri, Barddhaman, Koch Bihar, North 24 Pgs. (Titagarh/Bhangagar), Medinipur and Maldah.

1063. *Foeniculum vulgare* Mill. (1768)

*Common name* : Pan-Muhuri.

*Life form* : Annual herb.

*Habitat* : Rarely cultivated in the gardens.

*Distribution* : Birbhum, Dinajpur, Puruliya, Jalpaiguri, Bankura, Murshidabad, Medinipur, South 24 Pgs. (Sarberia/Sunderban), Haora, Barddhaman, Hugli, Koch Bihar, Nadia, Kolkata and Maldah.

1064. *Heracleum nepalense* D. Don

*Life form* : Herb.

*Distribution* : Darjiling.

1065. *Hydrocotyle javanica* Thunb.

*Life form* : Herb.

*Distribution* : Darjiling and Maldah.

1066. *Oenanthe javanica* (Blume) DC.  
(1830)

*Common name* : Pan-Tulasi.

*Distribution* : Darjiling, Jalpaiguri, North 24 Pgs. (Lower Ganga delta), Maldah, Koch Bihar and Dinajpur.

1067. *Peucedanum dhana* Wall. ex Clarke

*Life form* : Herb.

*Distribution* : North Bengal.

1068. *Pimpinella diversifolia* DC.

*Life form* : Herb.

*Distribution* : Darjiling.

1069. *Pimpinella sikkimensis* Clarke

*Life form* : Herb.

*Distribution* : Darjiling.

1070. *Pimpinella tongloensis* P. K.  
Mukherjee

*Life form* : Herb.

*Distribution* : Darjiling.

1071. *Pimpinella urceolata* Wall. ex M. L.  
Banerjee

*Life form* : Herb.

*Distribution* : Darjiling.

1072. *Pimpinella wallichii* C.B. Clarke

*Life form* : Herb.

*Distribution* : Darjiling.

1073. *Sanicula elata* Buch.-Ham. ex D. Don

*Life form* : Herb.

*Distribution* : Darjiling and Jalpaiguri.

1074. *Selanium candollii* DC.

*Life form* : Herb.

*Distribution* : Darjiling.

1075. *Seseli diffusum* (Roxb. ex Sm.) Sant.  
& Wagh (1963)

*Common name* : Ban Jowan.

*Distribution* : Birbhum, Maldah, Koch Bihar, Murshidabad, Jalpaiguri, Nadia, Haora, Barddhaman, Medinipur and Hugli.

1076. *Sinocarum sikkimense* (P. K. Mukherjee) P. K. Mukherjee  
*Life form* : Herb.  
*Distribution* : Darjiling.
1077. *Trachyospermum ammi* (L.) Sprague (1929)  
*Common name* : Jurani.  
*Life form* : Annual herb.  
*Habitat* : Cultivated.  
*Distribution* : Haora, South 24 Pgs. (Kulpi), Jalpaiguri, Maldah, Nadia, Medinipur, Kolkata, Hugli, Koch Bihar, Barddhaman and Murshidabad.
1078. *Trachyospermum roxburghianum* (DC.) Crail.  
*Life form* : Herb.  
*Distribution* : Cultivated throughout West Bengal.
- Family ALANGIACEAE
1079. *Alangium alpinum* C.B. Clarke  
 W.W. Smith & Cave  
*Life form* : Tree.  
*Distribution* : Darjiling.
1080. *Alangium chinense* (Lour.) Harms  
*Life form* : Tree.  
*Distribution* : Darjiling and Jalpaiguri.
1081. *Alangium salvifolium* (L. f.) Wangarin. (1910)  
*Common name* : Ankura.  
*Life form* : Small to medium tree.  
*Distribution* : Hugli, Puruliya, Kolkata, Dinajpur, Haora, Birbhum, Medinipur, Murshidabad, Barddhaman, Bankura, Koch Bihar, Maldah, North 24 Pgs. (Lower Ganga delta), Jalpaiguri and Nadia.
- Family RUBIACEAE
1082. *Adina cordifolia* (Roxb.) Benth. & Hook. f. (1873)  
*Common name* : Kali Kadam or Haldu.  
*Life form* : Medium tree, wood hard.  
*Habitat* : Village shrubberies.
- Distribution* : Murshidabad, Maldah, Barddhaman, Jalpaiguri, Nadia, Hugli, Koch Bihar, Bankura, Birbhum, Medinipur, Darjiling, North 24 Pgs. (Shyamnagar), Kolkata, Puruliya, Haora and Dinajpur.
1083. *Anthocephalus chinensis* (Lam.) Rich. ex Walp. (1843)  
*Common name* : Kadam.  
*Life form* : Large tree.  
*Habitat* : Planted as avenue tree.  
*Distribution* : Bankura, Jalpaiguri, Murshidabad, Birbhum, Koch Bihar, Barddhaman, Haora, Darjiling, Nadia, Puruliya, South 24 Pgs. (Bamanpukuria/Minakhan), Medinipur, Kolkata, Dinajpur, Maldah and Hugli.
1084. *Argostemma sarmentosa* Wall.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1085. *Borreria alata* (Aubl.) DC.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1086. *Borreria articularis* (L.f.) Williams (1905)  
*Common name* : Madanghanti.  
*Life form* : Annual herb.  
*Habitat* : Open waste lands & pastures.  
*Distribution* : Haora, Puruliya, Kolkata, Hugli, Jalpaiguri, Koch Bihar, Birbhum, Dinajpur, Bankura, Murshidabad, Maldah, South 24 Pgs. (Brace Bridge/Jinjira Bazar) and Medinipur.
1087. *Borreria stricta* (L.f.) Schum. (1891)  
*Life form* : Herb.  
*Habitat* : Open places on dry sandy soil.  
*Distribution* : South 24 Pgs. (Herobhanga).
1088. *Coffea benghalensis* Roxb. (1832)  
*Life form* : Shrub.  
*Habitat* : Waste lands, road sides, railway tracks.  
*Distribution* : Dinajpur, NorthDinajpur, Barddhaman, Medinipur, Maldah, Darjiling, Murshidabad, Jalpaiguri, South 24 Pgs. (Budge Budge), Bankura and Koch Bihar.

1089. ***Dentella repens*** (L.) Forsst. (1776)  
*Common name* : Bhumipat.  
*Distribution* : Dinajpur, Haora, Darjiling, Maldah, Hugli, Birbhum, Nadia, North 24 Pgs. (Lower Ganga delta), Koch Bihar, Medinipur, Bankura, Jalpaiguri, Kolkata, Murshidabad, Puruliya and Barddhaman.
1090. ***Galium asperifolium*** Wall.  
*Life form* : Climber.  
*Distribution* : Darjiling.
1091. ***Galium elegans*** Wall.  
*Life form* : Climber.  
*Distribution* : Darjiling.
1092. ***Galium hirtiflorum*** Req. ex DC.  
*Life form* : Climber.  
*Distribution* : Darjiling.
1093. ***Gardenia jasminoides*** Ellis (1781)  
*Common name* : Gandharaj.  
*Life form* : Shrub.  
*Habitat* : Planted as garden plant.  
*Distribution* : Haora, Koch Bihar, Nadia, North 24 Pgs. (Gobardanga) and Jalpaiguri.
1094. ***Gardenia latifolia*** Aiton (1789)  
*Life form* : Tree.  
*Habitat* : Village thickets.  
*Distribution* : Nadia, Hugli, Haora, Murshidabad, Maldah, Koch Bihar, Barddhaman, Jalpaiguri, Darjiling, Bankura, Puruliya, Medinipur, Kolkata, North 24 Pgs. (Palta), Dinajpur and Birbhum.
1095. ***Hamelia potens*** Jacq. (1760)  
*Life form* : Exotic shrub.  
*Habitat* : Hedges.  
*Distribution* : Medinipur, Barddhaman, Koch Bihar, Maldah, Dinajpur, Jalpaiguri, Hugli, Bankura, Kolkata, Murshidabad and South 24 Pgs. (Dhopagachhi).
1096. ***Hedyotis scandens*** Roxb.  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.
1097. ***Hedyotis stipulata*** R. Br.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1098. ***Hymenodictyon flaccidum*** Wall.  
*Life form* : Epiphytic shrub.  
*Distribution* : Darjiling.
1099. ***Hymenopogon parasiticus*** Wall.  
*Life form* : Epiphytic shrub.  
*Distribution* : Darjiling.
1100. ***Ixora arborea*** Roxb. ex Sm. (1811)  
*Common name* : Rangan.  
*Life form* : Tree.  
*Habitat* : Hedges.  
*Distribution* : Barddhaman, South 24 Pgs. (Dakshin Chatra), Puruliya, Medinipur, Bankura, Maldah, Dinajpur, Birbhum, Koch Bihar and Jalpaiguri.
1101. ***Ixora barbata*** Roxb. (1820)  
*Life form* : Tree.  
*Distribution* : Darjiling, Hugli, Jalpaiguri, Barddhaman, Birbhum, Murshidabad, Dinajpur, North Dinajpur, Haora, Maldah, Nadia, Bankura, Koch Bihar, Medinipur, North 24 Pgs. and Puruliya.
1102. ***Ixora brunnescens*** Kurz (1872)  
*Life form* : Tree.  
*Distribution* : North 24 Pgs. and Kolkata.
1103. ***Ixora coccinea*** L. (1753)  
*Common name* : Rangan.  
*Life form* : Shrub.  
*Habitat* : Garden edges, hedges.  
*Distribution* : Jalpaiguri, Hugli, Haora, Dinajpur, Maldah, Darjiling, Barddhaman, Birbhum, Murshidabad, Medinipur, Koch Bihar, Bankura, Nadia, South 24 Pgs. (Gosaba), Puruliya and Kolkata.
1104. ***Ixora subsessilis*** Wall. Cat.  
*Life form* : Shrub or small tree.  
*Distribution* : North 24 Pgs.
1105. ***Ixora stricta*** Roxb. (1820)  
*Life form* : Shrub or small tree.

*Habitat* : Garden ornamental.

*Distribution* : Nadia, Maldah, Medinipur, Puruliya, South 24 Pgs. (Dhosarhat), Murshidabad and Haora.

1106. *Ixora undulata* Roxb. (1820)

*Common name* : Palaka jui.

*Life form* : Shrub or small tree.

*Habitat* : Village shrubbries.

*Distribution* : Kolkata, South 24 Pgs. (Joygram/near Minakhan) and Medinipur.

1107. *Knoxia corymbosa* Willd.

*Life form* : Undershrub.

*Distribution* : Darjiling.

1108. *Knoxia sumatrensis* (Retz.) DC.  
(1830)

*Life form* : Annual shrub.

*Habitat* : Village thickets.

*Distribution* : North 24 Pgs. (Bamanghata/Salt Lake).

1109. *Luculia grandifolia* Ghose

*Life form* : Shrub.

*Distribution* : Darjiling.

1110. *Luculia gratissima* (Wall.) Sweet

*Life form* : Shrub.

*Distribution* : Darjiling.

1111. *Mitragyna parviflora* (Roxb.)  
Korth. (1839)

*Common name* : Kadam.

*Life form* : Large tree.

*Habitat* : Avenue tree, parks.

*Distribution* : North 24 Pgs. (Duttapukur), Bankura, Medinipur, Barddhaman, Nadia, Jalpaiguri, Koch Bihar, Birbhum, Kolkata, Murshidabad, Hugli, Dinajpur, Maldah and Haora.

1112. *Morinda citrifolia* L. (1753)

*Common name* : Ach.

*Life form* : Shrub or small tree.

*Habitat* : Planted or escape in the villages.

*Distribution* : Nadia, Hugli, North 24 Pgs. (Kestopur/near Baguihati), Dinajpur, Puruliya, Birbhum, Maldah, Darjiling, Jalpaiguri and Haora.

1113. *Mussaenda glabrata* (Hook.f.)  
Hutch. ex Gamble (1921)

*Life form* : Shrub.

*Habitat* : Planted in gardens and orchards.

*Distribution* : Bankura, South 24 Pgs. (Basanti), Maldah, Kolkata, Birbhum, Jalpaiguri, Barddhaman, Dinajpur, Darjiling, Hugli, Medinipur and Nadia.

1114. *Mussaenda macrophylla* Wall.

*Life form* : Shrub.

*Distribution* : Darjiling.

1115. *Mussaenda treutleri* Stapf

*Life form* : Shrub.

*Distribution* : Darjiling.

1116. *Mycetia longifolia* (Wall.) O. Kuntze

*Life form* : Undershrub.

*Distribution* : Darjiling.

1117. *Nauclea orientalis* L. (1962)

*Life form* : Small tree.

*Habitat* : Planted as ornamental.

*Distribution* : South 24 Pgs. (Basanti).

1118. *Neanotis calycina* (Wall. ex Hook.  
f.) W.H. Lewis

*Life form* : Annual herb.

*Distribution* : Darjiling.

1119. *Neanotis gracilis* (Hook. f.) W. H.  
Lewis

*Life form* : Annual herb.

*Distribution* : Darjiling.

1120. *Neanotis ingrata* (Wall. ex Hook. f.)  
W. H. Lewis

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1121. *Neanotis wightiana* (Wall. ex Wight  
& Arn.) W. H. Lewis

*Life form* : Annual herb.

*Distribution* : Darjiling.

1122. *Oldenlandia biflora* L.(1753)

*Common name* : Gandha Bhaduli.

*Life form* : Herb.

*Distribution* : Nadia, Puruliya, Haora, Maldah, South and North 24 Pgs., Kolkata, Bardhaman, Jalpaiguri, Murshidabad, Dinajpur, Darjiling, Hugli, Bankura and Birbhum.

1123. ***Oldenlandia corymbosa*** L. (1753)

*Common name* : Khet Papra.

*Life form* : Herb.

*Distribution* : Koch Bihar, Bardhaman, Dinajpur, Nadia, Murshidabad, Haora, Puruliya, South and North 24 Pgs., Bankura, Birbhum, Darjiling, Jalpaiguri, Medinipur, Maldah, Kolkata and Hugli.

1124. ***Oldenlandia diffusa*** (Willd.) Roxb. (1820)

*Life form* : Herb.

*Distribution*: Hugli, Medinipur, Haora, Bankura, Birbhum, Nadia, Puruliya and North 24 Pgs.

1125. ***Oldenlandia herbacea*** Roxb. (1820)

*Life form* : Herb.

*Distribution* : Koch Bihar, North 24 Pgs., Haora, Jalpaiguri, Murshidabad and Nadia.

1126. ***Oldenlandia pumila*** (L.f.) DC. (1830)

*Common name* : Panki.

*Life form* : Herb.

*Distribution* : Koch Bihar, South 24 Pgs., Haora, Jalpaiguri, Nadia and Murshidabad.

1127. ***Ophiorrhiza mungos*** L.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1128. ***Oldenlandia nutans*** C.B. Clarke

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1129. ***Oldenlandia pectinata*** Arn.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1130. ***Oldenlandia rugosa*** Wall.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1131. ***Oldenlandia succirubra*** King ex Hook. f.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1132. ***Oldenlandia thomsonii*** Hook. f.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1133. ***Oldenlandia treutlerii*** Hook.f.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1134. ***Paederia foetida*** L. (1767)

*Common name* : Ghanda Bhadulia.

*Life form* : Twining shrub.

*Habitat* : Hedges and thickets.

*Distribution* : Kolkata, Bankura, Hugli, Jalpaiguri, Murshidabad, South 24 Pgs. (Namkhana), Medinipur, Maldah, Darjiling, Bardhaman, Nadia, Dinajpur and Koch Bihar.

1135. ***Paederia scandens*** (Lour.) Merr.

*Life form* : Shrubby climber.

*Distribution* : Darjiling.

1136. ***Pavetta indica*** L. (1753)

*Common name* : Kukur-Chura.

*Life form* : Bushy shrub.

*Habitat* : Village thickets and shrubbries.

*Distribution* : South 24 Pgs. (Canning).

1137. ***Psychotria erratica*** Hook.f.

*Life form* : Undershrub.

*Distribution* : Darjiling.

1138. ***Rubia monjith*** Roxb. ex Flem.

*Life form* : Climber.

*Distribution* : Darjiling.

1139. ***Rubia wallichiana*** Decne.

*Life form* : Climber.

*Distribution* : Darjiling.

1140. ***Spermadictyon suaveolens*** Roxb.

*Life form* : Shrub.

*Distribution* : Darjiling.

1141. ***Wendlandia wallichii*** Wight & Arn.

*Life form* : Tree.

*Distribution* : Darjiling.

1142. ***Xeromphis spinosa*** (Thunb.) Keay (1958)

*Common name* : Mephal or Madan.



- Life form* : Large shrub.  
*Habitat* : Village thickets and old clearings of Sundarban.  
*Distribution* : Hugli, Medinipur, Maldah, Nadia and South 24 Pgs. (Kakdwip).
1143. *Xeromphis uliginosa* (Retz.) Maheshwari (1961)  
*Common name* : Piralo.  
*Life form* : Small tree or shrub.  
*Habitat* : Planted occasionally.  
*Distribution* : Nadia, Maldah, Barddhaman, Hugli, South 24 Pgs. (Sarisa) and Haora.  
 Family ASTERACEAE (nom. alt.)
1144. *Achillea millefolium* L.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1145. *Adenostemma lavenia* (L.) O. Kuntze (1891)  
*Common name* : Buro-Keshuti.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1146. *Ageratum conyzoides* L. (1753)  
*Common name* : Oochunti.  
*Life form* : Annual herb.  
*Habitat* : Very common weed in the cultivated lands, along the bank of canals and cracks of old walls.  
*Distribution* : Nadia, Medinipur, Puruliya, Birbhum, South 24 Pgs. (Canning, Suryapur), Bankura, Hugli, Jalpaiguri, Kolkata, Barddhaman, Maldah, Murshidabad, Koch Bihar, Darjiling, Dinajpur and Haora.
1147. *Ainslea aptera* DC.  
*Life form* : Suffrutescent herb.  
*Distribution* : Darjiling.
1148. *Ainslea latifolia* (D. Don) Schulz-Bip.  
*Life form* : Suffrutescent herb.  
*Distribution* : Darjiling.
1149. *Anaphalis adnata* DC.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1150. *Anaphalis busua* (Ham.) Hand.-Mazz.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1151. *Anaphalis contorta* (D. Don) Hook. f.  
*Life form* : Suffrutescent herb.  
*Distribution* : Darjiling.
1152. *Anaphalis margaritacea* (L.) Benth. & Hook. f.  
*Life form* : Suffrutescent herb.  
*Distribution* : Darjiling.
1153. *Anaphalis triplinervis* (Sims) C. B. Clarke  
*Life form* : Suffrutescent herb.  
*Distribution* : Darjiling.
1154. *Artemisia dubia* Wall. ex DC.  
*Life form* : Suffrutescent herb.  
*Distribution* : Darjiling.
1155. *Artemisia indica* Willd.  
*Life form* : Undershrub.  
*Distribution* : Darjiling.
1156. *Artemisia japonica* Thunb.  
*Life form* : Undershrub.  
*Distribution* : Darjiling.
1157. *Bellis perennis* L.  
*Life form* : Perennial Herb.  
*Distribution* : Darjiling.
1158. *Bidens pilosa* L.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1159. *Blainvillea acmella* (L.) Philipson (1950)  
*Life form* : Annual herb.  
*Distribution* : South 24 Pgs. (Lower Ganga delta).
1160. *Blumea amplexans* DC. (1834)  
*Life form* : Small bushy herb.  
*Habitat* : On the river banks, vill. thickets.

*Distribution* : Darjiling, Nadia, Birbhum, Bankura, Barddhaman, Hugli, Maldah, Koch Bihar, Murshidabad, Haora, Dinajpur, Medinipur, Kolkata, Puruliya, North 24 Pgs. (Duttapukur) and Jalpaiguri.

1161. *Blumea bifoliata* (L.) DC. (1838)

*Life form* : Small bushy herb.

*Habitat* : Common on waste lands, road sides and railway tracks.

*Distribution* : Barddhaman, Nadia, Maldah, Murshidabad, Birbhum, Jalpaiguri, Dinajpur, Haora, Darjiling, Hugli, Bankura, Kolkata, Medinipur, South 24 Pgs. (Malancha), Puruliya and Koch Bihar.

1162. *Blumea fistulosa* DC. (1838)

*Life form* : Herb.

*Habitat* : Common in the waste places, road sides and railway lines.

*Distribution* : South 24 Pgs. (Budge Budge).

1163. *Blumea hieraciifolia* (D. Don) DC.

*Life form* : Annual herb.

*Distribution* : Darjiling.

1164. *Blumea procera* DC.

*Life form* : Shrub.

*Distribution* : Darjiling.

1165. *Blumea lacera* (Burm. f.) DC. (1838)

*Common name* : Kukur-sunga or Kukur mita.

*Life form* : Annual aromatic herb.

*Habitat* : Common in the road sides, railway tracks.

*Distribution* : Puruliya, South 24 Pgs. (Arbelia/Dhanyakuria), Medinipur, Kolkata, Birbhum, Barddhaman, Darjiling, Nadia, Maldah, Bankura, Murshidabad, Dinajpur, Koch Bihar, Jalpaiguri, Hugli and Haora.

1166. *Blumea laciniata* (Roxb.) DC. (1838)

*Life form* : Annual aromatic herb.

*Distribution* : Koch Bihar and South 24 Pgs. (Frazergunj).

1167. *Blumea membranacea* DC. (1836)

*Life form* : Annual aromatic herb.

*Habitat* : Waste lands and garden edges.

*Distribution* : Murshidabad, Barddhaman, Bankura, Nadia, Kolkata and South 24 Pgs. (Namkhana).

1168. *Blumea mollis* (D. Don) Merr. (1910)

*Life form* : Herb.

*Habitat* : Waste and unused grounds.

*Distribution* : Barddhaman, South 24 Pgs. (Basanti), Dinajpur, Hugli, Jalpaiguri, Maldah and Birbhum.

1169. *Blumea oxydonata* DC. (1884)

*Life form* : Annual herb.

*Habitat* : Road sides and waste places.

*Distribution* : Murshidabad, North 24 Pgs. (Titagarh) and Nadia.

1170. *Caesulia axillaris* Roxb. (1798)

*Life form* : Herb.

*Distribution* : South 24 Pgs. (Santoshpur/near Budge Budge), Maldah and Dinajpur.

1171. *Calendula officinalis* L. (1753)

*Common name* : Genda.

*Life form* : Herb.

*Habitat* : Cultivated in the ornamental gardens.

*Distribution* : Murshidabad, Puruliya, Darjiling, Barddhaman, Dinajpur, Jalpaiguri, Bankura, Kolkata, Maldah, South 24 Pgs. (Santoshpur), Hugli, Medinipur, Haora, Nadia, Birbhum and Koch Bihar.

1172. *Carpesium abrotanoides* L.

*Life form* : Annual herb.

*Distribution* : Darjiling.

1173. *Carpesium trachelifolium* Less.

*Life form* : Annual herb.

*Distribution* : Darjiling.

1174. *Carthamus tinctorius* L. (1753)

*Common name* : Kusum-Bech.

- Life form* : Spinous herb.  
*Habitat* : Cultivated.  
*Distribution* : South 24 Pgs. (Bahura), Murshidabad, Nadia, Hugli, Jalpaiguri, Kolkata, Koch Bihar and Medinipur.
1175. ***Centipeda minima*** (L.) A. Br. & Aschers. (1867)  
*Common name* : Mechilta.  
*Life form* : Small perennial weed.  
*Habitat* : Waste places.  
*Distribution* : 24 Pgs., Darjiling.
1176. ***Chrysanthemum coronarium*** L. (1753)  
*Common name* : Chandra Mallika.  
*Life form* : Perennial herb.  
*Habitat* : Cultivated.  
*Distribution* : Nadia, Barddhaman, South and North 24 Pgs., Kolkata, Medinipur, Puruliya, Kolkata, Murshidabad, Jalpaiguri, Maldah, Koch Bihar, Bankura, Darjiling, Hugli, Dinajpur, Haora and Birbhum.
1177. ***Cicerbita cyanea*** (D. Don) Beauv.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1178. ***Cirsium arvense*** (L.) Scop. (1772)  
*Common name* : Silkanta.  
*Life form* : Herb.  
*Habitat* : Waste lands, weed of cult. Fields.  
*Distribution* : North 24 Pgs. (Rahara).
1179. ***Conyza angustifolia*** Roxb.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1180. ***Conyza japonica*** Less.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1181. ***Conyza stricta*** Willd. var. ***pinnatifida*** (D. Don) Kitam.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1182. ***Conyza stricta*** Willd. var. ***stricta***  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1183. ***Conyza semipinnatifida*** Wall.  
*Distribution* : Nadia, Bankura, Koch Bihar, Medinipur, Barddhaman, Haora, Maldah, Hugli, Birbhum, Puruliya, South 24 Pgs. (Near Diamond Harbour, Sarisha), Dinajpur, Jalpaiguri, Kolkata, Murshidabad and Darjiling.
1184. ***Cosmos bipinnatus*** Cav.  
*Common name* : Cosmos.  
*Life form* : Exotic herb.  
*Habitat* : Ornamental gardens.  
*Distribution* : South 24 Pgs.
1185. ***Cotula anthemoides*** L. (1753)  
*Life form* : Annual herb.  
*Habitat* : Waste places.  
*Distribution* : Murshidabad, Hugli, Haora, Jalpaiguri, Medinipur, Kolkata, Koch Bihar, Maldah and South 24 Pgs. (Santoshpur/near Budge Budge).
1186. ***Cotula hemispherica*** (Roxb.) Wall.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1187. ***Crassocephalum crepidioides*** (Benth.) S. Moore  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1188. ***Cyathocline purpurea*** (D. Don) O. Kuntze (1891)  
*Life form* : Annual herb.  
*Distribution* : Koch Bihar, Jalpaiguri, South 24 Pgs. (Baruipur), Maldah and Murshidabad.
1189. ***Dahlia imperialis*** Roehl.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
1190. ***Dahlia pinnata*** Cav.  
*Life form* : Geophyte.  
*Distribution* : Darjiling.

1191. ***Dicrocephala integrifolia*** (L. f.) O. Kuntze  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1192. ***Echnops echinatus*** Roxb. (1832)  
*Life form* : Herb.  
*Habitat* : Waste places, generally in the sandy areas.  
*Distribution* : Haora, Maldah, Hugli, Murshidabad, South 24 Pgs. (Falta), Kolkata, Medinipur and Dinajpur.
1193. ***Eclipta alba*** (L.) Hassk. (1848)  
*Common name* : Kesut.  
*Life form* : Herb.  
*Distribution* : Kolkata, Nadia, Bankura, Maldah, Haora, Puruliya, Medinipur, South 24 Pgs., Jalpaiguri, Barddhaman, Hugli, Koch Bihar, Birbhum, Darjiling, Dinajpur and Murshidabad.
1194. ***Elephantopus scaber*** L. (1753)  
*Common name* : Samdulun.  
*Life form* : Rigid herb.  
*Habitat* : Commonly grown in orchards.  
*Distribution* : South 24 Pgs. (Basanti).
1195. ***Emilia sonchifolia*** (L.) DC. (1834)  
*Common name* : Sadi-modi.  
*Life form* : Herb.  
*Distribution* : South 24 Pgs. (Lower Ganga Delta) and Darjiling.
1196. ***Enhydra fluctuans*** Lour. (1790)  
*Common name* : Hingcha.  
*Life form* : Aquatic herb.  
*Distribution* : Murshidabad, Hugli, Puruliya, Medinipur, Kolkata, Haora, Bankura, Nadia, Jalpaiguri, North 24 Pgs., Birbhum, Barddhaman, Dinajpur, Maldah and Koch Bihar.
1197. ***Erigeron sublyrantus*** L. (1763)  
*Life form* : Exotic herb.  
*Habitat* : Road sides, scrub-jungles & waste places.  
*Distribution* : Puruliya, Koch Bihar, Birbhum, Barddhaman, Maldah, Jalpaiguri, Murshidabad, Hugli, South 24 Pgs. (Subuddhipur/Baruipur), Kolkata, Medinipur, Dinajpur, Nadia and Bankura.
1198. ***Erigeron canadensis*** L.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1199. ***Erigeron karwinskianus*** DC.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1200. ***Eupatorium adenophorum*** Spreng.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
1201. ***Eupatorium ligustrinum*** DC.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
1202. ***Galinsoga quadrirandiata*** Ruiz & Pavon  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1203. ***Galinsoga parviflora*** Cav.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1204. ***Glossogyne pinnatifida*** DC. (1834)  
*Common name* : Barangom Santal.  
*Life form* : Perennial herb.  
*Habitat* : Sandy grounds.  
*Distribution* : South 24 Pgs. (Tapsia).
1205. ***Gnaphalium affine*** D. Don  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1206. ***Gnaphalium indicum*** L. (1753)  
*Life form* : Annual herb.  
*Distribution* : Murshidabad, Bankura, Koch Bihar, Haora, Darjiling, Barddhaman, Birbhum, Jalpaiguri, Medinipur, Puruliya, South 24 Pgs. (Sunderban, lower Ganga Delta), Kolkata, Maldah, Dinajpur, Nadia and Hugli.
1207. ***Gnaphalium luteo-album*** L. (1753)  
*Life form* : Annual herb.

*Habitat* : Dry waste lands, road side thickets.

*Distribution* : South 24 Pgs. (Lakshmi-kantapur), Koch Bihar, Jalpaiguri and Darjiling.

1208. ***Gnaphalium pulvinatum*** Delile  
(1812)

*Life form* : Herb.

*Distribution* : Jalpaiguri, South 24 Pgs. (Lower Ganga Delta), Murshidabad, Koch Bihar and Nadia.

1209. ***Gnaphalium purpureum*** L. var.  
***spathulatum*** (Lam.) Baker

*Life form* : Annual herb.

*Distribution* : Darjiling.

1210. ***Grangea maderaspatana*** (L.) Poir.  
(1812)

*Common name* : Namuti.

*Life form* : Herb.

*Distribution* : South 24 Pgs., Medinipur, Kolkata, Haora, Dinajpur, Barddhaman, Birbhum, Bankura, Koch Bihar, Hugli, Jalpaiguri and Maldah.

1211. ***Guizotica abyssinica*** (L. f.) Cass.  
(1829)

*Common name* : Ram-Til or Surguja.

*Life form* : Exotic annual herb.

*Habitat* : Cultivated crop.

*Distribution* : Maldah, Nadia, South 24 Pgs. (Basanti), Medinipur, Murshidabad, Koch Bihar, Darjiling, Jalpaiguri, Bankura and Barddhaman.

1212. ***Gynura cusimbua*** (D. Don)  
S. Moore

*Life form* : Undershrub.

*Distribution* : Darjiling.

1213. ***Gynura nepalense*** DC.

*Life form* : Undershrub.

*Distribution* : Darjiling.

1214. ***Helianthus annuus*** L. (1753)

*Common name* : Surjyamukhi.

*Life form* : Annual herb.

*Habitat* : Cultivated.

*Distribution* : Haora, Jalpaiguri, Puruliya, Kolkata, Barddhaman, Birbhum, Bankura, Dinajpur, Medinipur, Maldah, Murshidabad, Darjiling, South 24 Pgs. (Block Farm/Minakhan), Nadia, Hugli and Koch Bihar.

1215. ***Helianthus tuberosus*** L. (1753)

*Common name* : Brahmokhra.

*Life form* : Perennial herb.

*Habitat* : Garden herb.

*Distribution* : Dinajpur, Haora, Medinipur, North 24 Pgs. (Bamanghata/Salt Lake area), Bankura, Koch Bihar, Jalpaiguri, Darjiling and Hugli.

1216. ***Inula cappa*** DC.

*Life form* : Shrub.

*Distribution* : Darjiling.

1217. ***Inula eupatorioides***

*Life form* : Shrub.

*Distribution* : Darjiling.

1218. ***Inula rubricaulis*** (DC.) Benth.

*Life form* : Suffrutescent herb.

*Distribution* : Darjiling.

1219. ***Lactuca graciliflora*** DC.

*Life form* : Annual herb.

*Distribution* : Darjiling.

1220. ***Lactuca sativa*** L. (1753)

*Common name* : Salad.

*Life form* : Annual herb.

*Habitat* : Cultivated.

*Distribution* : Medinipur, Bankura, Jalpaiguri, North 24 Pgs. (Titagarh, Rahara), Dinajpur, Darjiling and Koch Bihar.

1221. ***Lagascea mollis*** Cav. (1803)

*Life form* : Herb.

*Habitat* : Road side thickets.

*Distribution* : Haora, South 24 Pgs. (Satzelia) and Nadia.

1222. ***Laggera aurita*** (Willd.) Sch.-Bip.

*Life form* : Annual herb.

- Habitat* : Vill. thickets.  
*Distribution* : Haora, Nadia and 24 Pgs. (Titagarh, Khardah).
1223. ***Laggera flava*** (DC.) Benth. ex C.B. Clarke (1876)  
*Life form* : Herb.  
*Habitat* : Dry waste lands.  
*Distribution* : Koch Bihar, South 24 Pgs. (Budge Budge), Murshidabad and Jalpaiguri.
1224. ***Launaea asplenifolia*** DC. (1838)  
*Common name* : Tik-Chanda.  
*Life form* : Herb.  
*Distribution* : South 24 Pgs. (Lower Ganga region), Koch Bihar and Jalpaiguri.
1225. ***Launaea sarmentosa*** (Willd.) Alston.  
*Life form* : Herb.  
*Distribution* : Murshidabad, Medinipur, North 24 Pgs., Haora, Bankura, Maldah, Jalpaiguri, Koch Bihar and Nadia.
1226. ***Leucanthemum vulgare*** Lam.  
*Life form* : Suffrutescent herb.  
*Distribution* : Darjiling.
1227. ***Mikania cordata*** (Burm. f.) Robinson (1934)  
*Common name* : Halkalmi.  
*Life form* : Climber.  
*Habitat* : Waste places.  
*Distribution* : South 24 Pgs. (Baruipur), Maldah, Bankura, Medinipur, Puruliya, Birbhum, Murshidabad, Dinajpur, Nadia, Barddhaman, Koch Bihar, Darjiling, Jalpaiguri, Hugli and Haora.
1228. ***Montanoa bipinnatifida*** C. Koch  
*Life form* : Shrub.  
*Distribution* : Darjiling.
1229. ***Myriactis nepalensis*** Less.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1230. ***Myriactis wallichii*** Less.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1231. ***Parthenium hysterophorus*** L. (1753)  
*Life form* : Herb.  
*Habitat* : Road sides, railway tracks and garbages, occasionally as obnoxious weed in agrcult.  
*Distribution* : Nadia, Koch Bihar, Dinajpur, South 24 Pgs. (Baruipur), Darjiling, Haora, Jalpaiguri, Puruliya, Kolkata, Bankura, Birbhum, Medinipur, Murshidabad, Barddhaman, Hugli and Maldah.
1232. ***Pluchera indica*** (L.) Less. (1831)  
*Life form* : Shrub.  
*Habitat* : Hedges, cultivated land.  
*Distribution* : Hugli, Medinipur, Jalpaiguri, Murshidabad, Barddhaman, Nadia, Koch Bihar and South 24 Pgs. (Amtala).
1233. ***Prenanthes brunoniana*** Wall. ex DC.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1234. ***Prenanthes khasiana*** C. B. Clarke  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1235. ***Pseudo-elephantopus spicatus*** (B.) Juss. ex Abul. (1792)  
*Life form* : Perennial herb.  
*Habitat* : Very rare on river banks.  
*Distribution* : Haora, Koch Bihar, South 24 Pgs. ( Falta), Jalpaiguri and Nadia.
1236. ***Pulicaria crispa*** Sch.-Bip.  
*Life form* : Shrub.  
*Distribution* : Koch Bihar, South 24 Pgs. (Diamond Harbour), Murshidabad, Nadia and Jalpaiguri.
1237. ***Saussurea deltoidea*** (DC.) C. B. Clarke  
*Life form* : Annual herb.  
*Distribution* : Darjiling.

1238. **Senecio alatus** Wall. ex DC.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1239. **Senecio araneosus** DC.  
*Life form* : Climber.  
*Distribution* : Darjiling.
1240. **Senecio cappa** Buch.-Ham. ex D. Don  
*Life form* : Shrub.  
*Distribution* : Darjiling.
1241. **Senecio linifolius** (DC.) C.B. Clarke  
 (1876)  
*Life form* : Herb.  
*Habitat* : Garden beds or in waste places.  
*Distribution* : Darjiling, Koch Bihar, Dinajpur, Jalpaiguri, North 24 Pgs. (Titagarh), Barddhaman and Hugli.
1242. **Senecio scandens** Buch.-Ham. ex D. Don  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.
1243. **Senecio tetranthus** DC.  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.
1244. **Senecio wallichii** DC.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1245. **Siegesbeckia orientalis** L.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1246. **Solidago virgoaurea** L.  
*Life form* : Suffrutescent herb.  
*Distribution* : Darjiling.
1247. **Sonchus asper** (L.) Garsault (1767).  
*Life form* : Annual herb.  
*Habitat* : Waste places, weed of crop fields.  
*Distribution* : Darjiling, Maldah, Birbhum, Jalpaiguri, Koch Bihar, Puruliya, Kolkata, North 24 Pgs. (Suryapur) and Murshidabad.
1248. **Sonchus brachyotes** DC. (1838)  
*Common name* : Ban-Palang.  
*Life form* : Perennial herb.  
*Habitat* : Waste and low-lands.  
*Distribution* : Maldah, Birbhum, Barddhaman, Haora, Jalpaiguri, Hugli, Koch Bihar, South 24 Pgs. (Garfa) and Dinajpur.
1249. **Sonchus oleraceus** L. ( 1753)  
*Life form* : Annual herb.  
*Habitat* : Waste fields.  
*Distribution* : Koch Bihar, North 24 Pgs. (Sodepur) and Darjiling.
1250. **Sonchus wightianus** DC.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1251. **Sphaeranthus indicus** L. (1753)  
*Common name* : Murmuria.  
*Distribution* : South 24 Pgs., Maldah and Murshidabad.
1252. **Spilanthes acmella** (L.) Murr.  
 (1774)  
*Common name* : Marhatatiga.  
*Life form* : Annual herb.  
*Habitat* : Road side waste lands, garden edges, railway tracks.  
*Distribution* : Bankura, South 24 Pgs. (Piyali Nagar, Fultala), Koch Bihar, Barddhaman and Jalpaiguri.
1253. **Synedrella nodiflora** (L.) Gaertn.  
 (1791)  
*Life form* : Annual herb.  
*Habitat* : Waste lands.  
*Distribution* : Puruliya, Jalpaiguri, South 24 Pgs. (Falta), Murshidabad, Nadia, Koch Bihar, Dinajpur, Darjiling and Haora.
1254. **Tagetes minuta** L.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1255. **Tagetes patula** L. (1753)  
*Common name* : Chhota-genda.

*Life form* : Annual herb.

*Habitat* : Garden herb.

*Distribution* : Murshidabad, Jalpaiguri, Maldah, South 24 Pgs. (South Garia), Hugli, Koch Bihar, Nadia, Birbhum, Haora, Dinajpur, Darjiling, Bankura, Medinipur, Kolkata, Puruliya and Barddhaman.

1256. *Taraxacum officinale* Weger

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1257. *Tithonia diversifolia* (Hemsl.) A. Gray

*Life form* : Suffrutescent herb.

*Distribution* : Darjiling.

1258. *Tridax procumbens* L. (1753)

*Life form* : Perennial herb.

*Habitat* : Waste lands, road sides, etc.

*Distribution* : Puruliya, Birbhum, Maldah, Koch Bihar, Murshidabad, Darjiling, Hugli, Haora, Dinajpur, Jalpaiguri, Barddhaman, Bankura, South 24 Pgs. (Subuddhipur, Baruipur), Medinipur, Kolkata and Nadia.

1259. *Vernonia anthelmintica* Willd. (1890)

*Common name* : Somraj.

*Distribution* : Haora, Murshidabad, South 24 Pgs. (Bhangankhali), Jalpaiguri and Maldah.

1260. *Vernonia cinerea* (L.) Less (1829)

*Common name* : Kuk-shim.

*Life form* : Herb.

*Distribution* : Barddhaman, Birbhum, South 24 Pgs. (Lower Ganga Delta, Subuddhipur), Medinipur, Puruliya, Bankura, Kolkata, Nadia, Dinajpur, Haora, Koch Bihar, Murshidabad, Darjiling, Maldah, Hugli and Jalpaiguri.

1261. *Vicoa vestita* (Wall. ex DC.) Benth. ex Hook. f. (1881)

*Life form* : Herb.

*Distribution* : Maldah, Nadia, South 24 Pgs. (Sunderban, Kakdwip) and Murshidabad.

1262. *Wedelia chinensis* (Osbeck.) Merr. (1917)

*Common name* : Kesaraj.

*Life form* : Herb.

*Distribution* : Medinipur, South 24 Pgs. (Magrahat), Koch Bihar, Murshidabad, Nadia, Haora and Jalpaiguri.

1263. *Wedelia biflora* (L.) DC. (1834)

*Common name* : Bhimraj.

*Life form* : Herb.

*Distribution* : South 24 Pgs. (Lower Ganga Delta, Bireshwarpur), Dinajpur, Haora, Maldah, Hugli, Birbhum, Medinipur and Jalpaiguri.

1264. *Xanthium indicum* Koen. (1814)

*Common name* : Ban-Okra.

*Life form* : Rigid annual.

*Habitat* : Waste places, along railway lines.

*Distribution* : Haora, Jalpaiguri, Barddhaman, Darjiling, Murshidabad, Maldah, Birbhum, Nadia, Dinajpur, Koch Bihar, Kolkata, Bankura, Hugli, Medinipur, Puruliya and South 24 Pgs. (Madarhat).

1265. *Youngia japonica* (L.) DC.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1266. *Zinnia elegans* Jacq. (1796)

*Common name* : Zinnia.

*Life form* : Annual herb.

*Habitat* : Garden plant.

*Distribution* : Hugli, Kolkata, North 24 Pgs. (Bamanghata), Medinipur, Bankura, Puruliya, Birbhum, Nadia, Maldah, Dinajpur, Barddhaman, Haora, Darjiling, Koch Bihar, Jalpaiguri and Murshidabad.

1267. *Zinnia pauciflora* L. (1762)

*Common name* : Zinnia.

*Life form* : Annual herb.

*Habitat* : Vill. Shrubberies, rarely planted.

*Distribution* : Maldah, North 24 Pgs. (Durganagar/near Dum Dum Cant), Murshidabad, Jalpaiguri and Koch Bihar.



## Family CAMPANULACEAE

1268. *Campanula pallida* Wall.*Life form* : Annual herb.*Distribution* : Darjiling.1269. *Codonopsis affinis* Hook. f. & Thoms.*Life form* : Climber.*Distribution* : Darjiling.1270. *Codonopsis inflata* Hook. f. & Thoms.*Life form* : Climber.*Distribution* : Darjiling.1271. *Percarpha carnosia* (Wall.) Hook. f. & Thoms.*Life form* : Annual herb.*Distribution* : Darjiling.1272. *Wahlenbergia marginata* (Thunb.) DC. (1830)*Life form* : Herb.*Distribution* : South 24 Pgs. (Diamond Harbour) and Jalpaiguri.

## Family SPHENOCLEACEAE

1273. *Sphenoclea zeylanica* Gaertn. (1788)*Common name* : Jheel-marich.*Life form* : Herb.*Distribution* : South 24 Pgs. (Canning).

## Family PLUMBAGINACEAE

1274. *Aegialitis rotundifolia* Roxb. (1824)*Common name* : Tora.*Life form* : Shrub or low tree.*Habitat* : River flat and inter-tidal ridge forest.*Distribution* : Medinipur and South 24 Pgs. (Sanjakhali).1275. *Plumbago zeylanica* L. (1753)*Common name* : Chita.*Life form* : Perennial herb.*Habitat* : Amongst bushes and waste places.*Distribution* : Medinipur, Bankura, Kolkata, Jalpaiguri, Maldah, Nadia, Dinajpur, Haora, Murshidabad, Birbhum, Hugli, Bardhaman, Koch Bihar, Darjiling and South 24 Pgs. (Bahuru).

## Family PRIMULACEAE

1276. *Anagallis arvensis* L. (1753)*Common name* : Jon Kamari.*Life form* : Annual herb.*Habitat* : Bunds of agricultural fields, waste shady places.*Distribution* : Maldah, Murshidabad, Medinipur, Koch Bihar, Haora, Hugli, Birbhum, Kolkata, Dinajpur, Darjiling, Bardhaman, Jalpaiguri, Nadia and South 24 Pgs. (Dhakuria, Belgharia).1277. *Anagallis pumila* Sw. (1788)*Life form* : Annual herb.*Habitat* : Bunds of agricultural fields, waste shady places.*Distribution* : South 24 Pgs. (Lower Ganga Delta, Baguihati).1278. *Lysimachia alternifolia* Wall.*Life form* : Perennial herb.*Distribution* : Darjiling.1279. *Lysimachia congestiflora* Hemsl.*Life form* : Annual herb.*Distribution* : Darjiling.1280. *Lysimachia debilis* Wall.*Life form* : Perennial herb.*Distribution* : Darjiling.1281. *Lysimachia evalis* Wall.*Life form* : Perennial herb.*Distribution* : Darjiling.1282. *Lysimachia prolifera* Klatt*Life form* : Annual herb.*Distribution* : Darjiling.1283. *Lysimachia ramosa* Wall. ex Dudy*Life form* : Annual herb.*Distribution* : Darjiling.

1284. ***Primula denticulata*** Smith  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1285. ***Primula edgwarthii*** (Hook. f.) Pax  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1286. ***Primula melacoides*** Franc.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1287. ***Primula petiolaris*** Wall.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1288. ***Primula umbellata*** (Lour.) Benth.  
 (1962)  
*Life form* : Annual herb.  
*Distribution* : Murshidabad, Nadia, North  
 24 Pgs. (Nilgunj), Koch Bihar, Darjiling and  
 Jalpaiguri.  
 Family MYRSINACEAE
1289. ***Aegiceras corniculatum*** (L.)  
 Blanco (1837)  
*Common name* : Khalsi.  
*Life form* : Small tree or shrub.  
*Habitat* : Common on the mid-estuary, in  
 river flats inter-tidal ridge forests.  
*Distribution* : Medinipur and South 24 Pgs.  
 (Rangabelia).
1290. ***Ardisia solanacea*** (Poir.) Roxb.  
 (1795)  
*Common name* : Ban Jam.  
*Life form* : Large shrub or small tree.  
*Habitat* : Damp shady places.  
*Distribution* : Birbhum, South 24 Pgs.  
 (Santoshpur/near Budge Budge), Murshidabad,  
 Koch Bihar, Nadia, Haora and Jalpaiguri.
1291. ***Ardisia involucrata*** Kurz  
*Life form* : Shrub.  
*Distribution* : Darjiling.
1292. ***Embelia floribunda*** Wall.  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.
1293. ***Embelia ribes*** Burm. f.  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.
1294. ***Maesa chisia*** Buch.-Ham. ex D. Don  
*Life form* : Shrub.  
*Distribution* : Darjiling.
1295. ***Myrsine semiserrata*** Wall.  
*Life form* : Shrub.  
*Distribution* : Darjiling.  
 Family SAPOTACEAE
1296. ***Manilkara zapota*** L. (1753)  
*Common name* : Sabeda.  
*Life form* : Medium tree.  
*Habitat* : Planted in the orchards.  
*Distribution* : Maldah, Nadia, Jalpaiguri,  
 Koch Bihar, Hugli, Medinipur, South 24 Pgs.  
 (Subuddhipur/Baruipur), Dinajpur, Birbhum,  
 Haora and Kolkata.
1297. ***Madhuca longifolia*** (Koen.) Macbr.  
 (1911)  
*Life form* : Large tree.  
*Habitat* : Planted or wild in villages.  
*Distribution* : Dinajpur, Koch Bihar,  
 Bankura, Birbhum, Murshidabad, Jalpaiguri,  
 Nadia, Puruliya, Kolkata, Hugli, Maldah, South  
 24 Pgs. (Bakkhali) and Medinipur.
1298. ***Manilkara hexandra*** (Roxb.) Dub.  
 (1915)  
*Common name* : Bilati Bakul.  
*Life form* : Large tree.  
*Habitat* : In the core forest of tidal  
 mangrove forests.  
*Distribution* : South 24 Pgs. (Sunderban at  
 Netidhopani, Narendrapur).
1299. ***Mimusops elengi*** L. (1753)  
*Common name* : Bakul.  
*Life form* : Medium tree.  
*Habitat* : Planted on the road sides & in  
 parks and gardens.

*Distribution* : Maldah, Jalpaiguri, South 24 Pgs. (Gosaba ), Medinipur, Puruliya, Bankura, Birbhum, Nadia, Kolkata, Dinajpur, Murshidabad, Barddhaman, Hugli, Koch Bihar and Haora.

Family EBENACEAE

1300. ***Diospyros chloroxylon*** Roxb. (1795)

*Common name* : Anduli.

*Life form* : Medium tree.

*Habitat* : Cult. As ornamental tree.

*Distribution* : Birbhum, Medinipur, South 24 Pgs. (Bahuru), Bankura, Maldah, Dinajpur, Koch Bihar, Jalpaiguri, Hugli and Haora.

1301. ***Diospyros cordifolia*** Roxb. (1795)

*Common name* : Ban-Gab.

*Life form* : Small tree.

*Habitat* : Vill. thickets as wild.

*Distribution* : Haora, Puruliya, Murshidabad, Jalpaiguri, Bankura, Medinipur, North 24 Pgs. (Duttapukur).

1302. ***Diospyros discolor*** Willd. (1806)

*Common name* : Bilati-Gab.

*Life form* : Medium tree.

*Habitat* : Planted.

*Distribution* : Koch Bihar, North 24 Pgs. (Sodepur), Medinipur, Birbhum, Dinajpur, Hugli and Maldah.

1303. ***Diospyros malabarica*** (Desr.)  
Kostel. (1834)

*Common name* : Gab.

*Life form* : Medium-large tree.

*Habitat* : Vill. shrubberies.

*Distribution* : Dinajpur, South 24 Pgs. (Falta), Bankura, Nadia, Haora and Barddhaman.

Family OLEACEAE

1304. ***Fraxinus floribunda*** Wall.

*Life form* : Tree.

*Distribution* : Darjiling.

1305. ***Jasminum auriculatum*** Vahl (1794)

*Common name* : Jui or Yuthika.

*Life form* : Scandent shrub.

*Habitat* : Cultivated in the gardens.

*Distribution* : South 24 Pgs. (Narendrapur), Koch Bihar, Jalpaiguri, Nadia and Murshidabad.

1306. ***Jasminum dispernum*** Wall.

*Life form* : Shrubby climber.

*Distribution* : Darjiling.

1307. ***Jasminum humile*** L.

*Life form* : Shrub.

*Distribution* : Darjiling.

1308. ***Jasminum mesneyi*** Hance

*Life form* : Shrub.

*Distribution* : Darjiling.

1309. ***Jasminum multiflorum*** (Burm. f.)  
Andr. (1807)

*Common name* : Kunda.

*Life form* : Shrub.

*Distribution* : Murshidabad, Barddhaman, Haora, Jalpaiguri, Maldah, Koch Bihar, North 24 Pgs. (Bamanghata/Salt Lake), Kolkata, Medinipur and Puruliya.

1310. ***Jasminum sambac*** (L.) Aiton (1789)

*Common name* : Ban Mallika or Bel Phul.

*Life form* : Shrub.

*Distribution* : Barddhaman Koch Bihar, Kolkata, Hugli, South 24 Pgs. (Chaital), Haora, Maldah and Jalpaiguri.

1311. ***Ligustrum confusum*** Decaisheet.

*Life form* : Tree.

*Distribution* : Darjiling.

1312. ***Ligustrum lucidum*** Aiton f.

*Life form* : Shrub.

*Distribution* : Darjiling.

Family NYCTAGINACEAE

1313. ***Nyctanthes arbor-tristis*** L. (1753)

*Common name* : Sephalika/Seoli.

*Life form* : Shrub or small tree.

*Habitat* : Cultivated land.

*Distribution* : Birbhum, Murshidabad, Koch Bihar, Dinajpur, Darjiling, Nadia, Maldah, Haora, Bankura, Puruliya, Kolkata, Medinipur, North 24 Pgs. (Surjyapur, Belgharia, Barrackpur), Jalpaiguri, Hugli and Barddhaman.

Family SALVADORACEAE

1314. *Azima tetracantina* Lam. (1783)

*Common name* : Trikanta-Gati.

*Life form* : Armed shrub.

*Habitat* : Rarely on the hedges & thickets of Sunderban areas.

*Distribution* : South 24 Pgs. (Piyalinagar/Baruipur).

Family APOCYNACEAE

1315. *Aganosma caryophyllata* (Roxb. ex Sims.) G. Don. (1837)

*Life form* : Twining shrub.

*Habitat* : On bushes.

*Distribution* : Nadia, Koch Bihar, Darjiling, Maldah, Hugli, Haora, South 24 Pgs. (Satzelia), Bankura, Jalpaiguri, Barddhaman, Kolkata, Medinipur, Dinajpur, Puruliya, Birbhum and Murshidabad.

1316. *Allamanda cathartica* L. (1771)

*Common name* : Har-kara.

*Life form* : Climbing shrub.

*Habitat* : Planted or selfshown.

*Distribution* : Jalpaiguri, Barddhaman, Maldah, Murshidabad, Kolkata, South 24 Pgs. (Diamond Harbour), Hugli, Nadia, Koch Bihar and Medinipur.

1317. *Alstonia scholaris* (L.) R. Br. (1810)

*Common name* : Chhatim.

*Life form* : Tree.

*Habitat* : Planted or self shown in the illage thickets.

*Distribution* : Birbhum, Hugli, Bankura, Puruliya, Darjiling, Medinipur, North 24 Pgs. (Belgharia), Kolkata, Haora, Nadia, Maldah, Jalpaiguri, Barddhaman, Dinajpur, Murshidabad and Koch Bihar.

1318. *Carissa carandas* L. (1767)

*Common name* : Karamcha.

*Life form* : Large shrub.

*Habitat* : Hedges.

*Distribution* : Medinipur, Kolkata, Bankura, Nadia, Birbhum, Barddhaman, South 24 Pgs. (Sagar Island/Mansadeep), Puruliya, Murshidabad, Maldah, Hugli and Jalpaiguri.

1319. *Carissa spinarum* L. (1771)

*Life form* : Undershrub.

*Habitat* : Vill. Thickets.

*Distribution* : Hugli, Koch Bihar, Haora, South 24 Pgs. (Sagar Island), Maldah, Birbhum and Murshidabad.

1320. *Catharanthus pusillus* G. Don (1837)

*Life form* : Ann. Herb.

*Habitat* : Waste lands & vill. Thickets.

*Distribution* : Haora, Bankura, North 24 Pgs. (Kazipara/Barasat), Medinipur, Nadia, Koch Bihar and Jalpaiguri.

1321. *Catharanthus roseus* (L.) G. Don (1837)

*Common name* : Nayantara.

*Life form* : Herb.

*Habitat* : Cult. Or as an escape in waste places.

*Distribution* : Kolkata, Medinipur, Puruliya, Bankura, Nadia, Darjiling, Koch Bihar, Dinajpur, Murshidabad, Haora, Maldah, Birbhum, Hugli, Jalpaiguri, Barddhaman and North 24 Pgs. (Kholapota/Basirhat).

1322. *Cerbera odollam* Gaertn. (1791)

*Common name* : Dabur.

*Life form* : Small tree.

*Habitat* : Coastal beach/swamp forests.

*Distribution* : Bankura, South 24 Pgs. (Gocharan/Sarbera), Jalpaiguri, Nadia and Murshidabad.

1323. *Holarrhena pubescens* (Buch.-Ham.) Wall. (1829)

*Common name* : Kurchi.

*Life form* : Small tree.

*Habitat* : Coastal mangrove areas

*Distribution* : Puruliya, South 24 Pgs. (Kakdwip), Bankura, Dinajpur, Birbhum, Barddhaman, Nadia, Hugli, Jalpaiguri, Kolkata, Medinipur, Haora, Koch Bihar, Darjiling, Maldah and Murshidabad.

1324. *Ichnocarpus frutescens* (L.)

R. Brown (1899)

*Common name* : Shyamalata or Dudhilata.

*Life form* : Large climber.

*Habitat* : Hedges, thickets, prefer moist situations.

*Distribution* : Dinajpur, Maldah, Barddhaman, Koch Bihar, Darjiling, Hugli, Jalpaiguri, Puruliya, Nadia, Murshidabad, Bankura, Medinipur, Birbhum, Haora and North 24 Pgs. (Beliachandi).

1325. *Nerium indicum* Mill. (1768)

*Common name* : Karabi.

*Life form* : Shrub/small tree.

*Habitat* : Hedges.

*Distribution* : South 24 Pgs. (Mansadwip), Dinajpur, Hugli, Murshidabad, Birbhum, Barddhaman, Bankura, Medinipur, Jalpaiguri, Maldah, Nadia and Koch Bihar.

1326. *Parsonsia spiralis* Wall. (1828)

*Life form* : Twining shrub.

*Habitat* : Vill. Thickets.

*Distribution* : Murshidabad, Maldah, Jalpaiguri and South 24 Pgs. (Sunderban).

1327. *Plumeria alba* L. (1753)

*Common name* : Sada Gour Champa.

*Life form* : Tree.

*Habitat* : Planted in gardens, sides of roads.

*Distribution* : Birbhum, Medinipur, North 24 Pgs. (Baguihati), Kolkata, Puruliya, Hugli, Haora, Bankura, Jalpaiguri, Koch Bihar, Nadia, Dinajpur and Murshidabad.

1328. *Plumeria rubra* L. (1753)

*Common name* : Gour Champa.

*Life form* : Small tree.

*Distribution* : Koch Bihar, Medinipur, Jalpaiguri, Kolkata, Birbhum, North 24 Pgs. (Ichhapur), Nadia and Murshidabad.

1329. *Plumeria rubra* L. forma  
*acuminata* (Aiton) Woodson (1938)

*Life form* : Small tree.

*Distribution* : Medinipur, South 24 Pgs. (Thakurpukur), Maldah, Jalpaiguri, Birbhum, Hugli, Murshidabad, Barddhaman and Puruliya.

1330. *Rauwolfia serpentina* (L.) Benth. ex  
Kurz (1877)

*Common name* : Sarpagandha.

*Life form* : Small herb.

*Habitat* : Hedges, roadsides, jungles & on the railway tracks.

*Distribution* : South 24 Pgs. (Madarhat), Hugli, Darjiling, Haora, Koch Bihar, Medinipur and Jalpaiguri.

1331. *Rauwolfia tetraphylla* L. (1753)

*Life form* : Small shrub.

*Habitat* : On damp waste places, railway tracks & roadsides.

*Distribution* : South 24 Pgs. (Bahuru), Jalpaiguri and Koch Bihar.

1332. *Tabernamontana divaricata* (L.)

R. Br. (1819)

*Common name* : Tagar.

*Life form* : Shrub.

*Habitat* : Cultivated.

*Distribution* : Maldah, Haora, Murshidabad, Koch Bihar, Dinajpur, Darjiling, Barddhaman, Hugli, Jalpaiguri, Medinipur, Nadia, Birbhum, Puruliya, South 24 Pgs. (Gocharan, Sarberia), Bankura and Kolkata.

1333. *Thevitia peruviana* (Pers.) Schum.  
(1895)

*Common name* : Kalkephul.

*Life form* : Large shrub or small tree.

*Distribution* : Murshidabad, Jalpaiguri, Maldah, Dinajpur, Medinipur, Kolkata, Hugli, Birbhum, Bankura, Haora, Puruliya, Koch Bihar, Barddhaman, Nadia and South 24 Pgs. (Sunderban).

1334. ***Vallaris solanacea*** (Roth) O. Kuntze (1891)

*Common name* : Haper Mali.

*Life form* : Twining shrub.

*Habitat* : Rarely found in vill. Thickets & hedges.

*Distribution* : South 24 Pgs. (Magrahat) and Koch Bihar.

1335. ***Vinca minor*** L.

*Life form* : Undershrub.

*Distribution* : Darjiling.

1336. ***Wrightia tinctoria*** R. Brown (1811)

*Common name* : Indra Jau.

*Life form* : Small tree.

*Habitat* : Rarely cultivated.

*Distribution* : Medinipur, Hugli, Dinajpur, Barddhaman, Maldah, Jalpaiguri, Birbhum and South 24 Pgs. (Mollakhali).

1337. ***Wrightia tomentosa*** Roem. & Schult. (1819)

*Common name* : Dudh Karabi.

*Life form* : Small tree.

*Habitat* : Planted in the public gardens.

*Distribution* : Bankura, Maldah, Jalpaiguri, Kolkata, Murshidabad, Hugli, Koch Bihar, North 24 Pgs. (Dakshin Barasat), Medinipur and Haora.

Family ASCLEPIADACEAE

1338. ***Asclepias curassavica*** L. (1753)

*Life form* : Herb.

*Habitat* : In village shade.

*Distribution* : Maldah, Jalpaiguri, Hugli, Darjiling, Koch Bihar, Murshidabad, South 24 Pgs. (Sonarpur), Bankura, Medinipur, Puruliya and Nadia.

1339. ***Calotropis gigantea*** (L.) R. Br. (1811)

*Common name* : Akanda.

*Life form* : Shrub or small tree.

*Habitat* : Waste, open dry lands, roadsides and railway tracks.

*Distribution* : Maldah, Haora, Nadia, South 24 Pgs. (Baruipur), Puruliya and Medinipur.

1340. ***Calotropis procera*** (Aiton) R. Br. (1811)

*Common name* : Sada Akanda.

*Life form* : Shrub.

*Habitat* : Waste, dry, open sandy areas.

*Distribution* : Medinipur, Barddhaman, Koch Bihar and South 24 Pgs. (Piyalinagar, Baruipur).

1341. ***Ceropegia macrantha*** Wight (1883)

*Life form* : Twining herb.

*Habitat* : Vill. Thickets, climbing/twining on the bushes.

*Distribution* : Puruliya, South 24 Pgs. (Suparibhanga/Sagar Island), Haora, Jalpaiguri, Dinajpur, Koch Bihar, Murshidabad, Hugli and Maldah.

1342. ***Ceropegia longifolia*** Wall. var. ***longifolia***

*Life form* : Climber.

*Distribution* : Darjiling.

1343. ***Ceropegia longifolia*** Wall. var. ***darjilingensis*** A.P. Das

*Life form* : Climber.

*Distribution* : Darjiling.

1344. ***Ceropegia pubescens*** Wall.

*Life form* : Climber.

*Distribution* : Darjiling.

1345. ***Cryptolepis chinensis*** (Lour.) Merrill

*Life form* : Climber.

*Distribution* : Darjiling.

1346. ***Dischidia nummularia*** R. Br.

*Common name* : Pargachha.

*Life form* : Very slender herb.

- Habitat* : Epiphytic on large tree.  
*Distribution* : North 24 Pgs. (Nilgunj).
1347. ***Dregea volubilis*** (L.f.) Benth. ex Hook. f. (1883)  
*Common name* : Tita-Kunga.  
*Life form* : Herb.  
*Habitat* : Hedges & thickets.  
*Distribution* : Hugli and South 24 Pgs. (Jugdha Benipur near Magrahat).
1348. ***Finlaysonia obovate*** Wall. (1831)  
*Common name* : Dudhi Lata.  
*Distribution* : Koch Bihar, Nadia, South 24 Pgs. (Lower Ganga Delta) and Medinipur.
1349. ***Gymnema thomsonii*** Hook. f.  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.
1350. ***Hoya lanceolata*** Wall. ex D. Don  
*Life form* : Epiphytic undershrub.  
*Distribution* : Darjiling.
1351. ***Hoya linearis*** Wall. ex D. Don  
*Life form* : Epiphytic undershrub.  
*Distribution* : Darjiling.
1352. ***Hoya parasitica*** Wall.  
*Common name* : Pargachha.  
*Life form* : Plants with stout stem.  
*Habitat* : Commonly epiphytic on the *Ficus* sp. & *Mangifera indica*.  
*Distribution* : Medinipur, Puruliya, Nadia, South 24 Pgs. (Gobardanga), Murshidabad, Koch Bihar, Haora and Jalpaiguri.
1353. ***Hoya serpens*** Hook. f.  
*Life form* : Epiphytic undershrub.  
*Distribution* : Darjiling.
1354. ***Oxystelma secamone*** (L.) K. Schum. (1895)  
*Common name* : Kirmi.  
*Life form* : Shrub.  
*Distribution* : Medinipur, Nadia, Jalpaiguri, Koch Bihar, Birbhum, Hugli, Kolkata, South 24 Pgs. (Lower Ganga Delta) and Maldah.
1355. ***Pentatropis capensis*** (L.f.) Bullock (1955)  
*Life form* : Shrub.  
*Distribution* : South 24 Pgs. and Jalpaiguri.
1356. ***Pergularia daemia*** (Forssk.) Choiv. (1916)  
*Common name* : Chhagal Bati.  
*Life form* : Shrub.  
*Distribution* : Dinajpur, Bardhaman, Jalpaiguri, Medinipur, Bankura, South 24 Pgs. (Suryapur), Haora, Murshidabad, Koch Bihar and Darjiling.
1357. ***Periploca callophylla*** (Wt.) Falc.  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.
1358. ***Sarcobus carinatus*** Wall. (1816)  
*Life form* : Shrub.  
*Distribution* : South 24 Pgs. (Sunderban, Sajnakhali).
1359. ***Telosma pallida*** (Roxb.) Craib (1911)  
*Life form* : Shrub.  
*Distribution* : South 24 Pgs., Jalpaiguri, Murshidabad and Nadia.
1360. ***Treutlera insignis*** Hook. f.  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.
1361. ***Tylophora indica*** (Burm. f.) Merrill (1921)  
*Common name* : Anantamul.  
*Life form* : Twiner.  
*Habitat* : Rarely grow on hedges and vill. thickets.  
*Distribution* : Birbhum, Dinajpur, Haora, Kolkata, South 24 Pgs. (Harinbari/Sagar Island), Jalpaiguri, Bardhaman, Maldah, Medinipur and Hugli.
1362. ***Tylophora tenuis*** Blume (1826)  
*Life form* : Twiner.  
*Distribution* : South 24 Pgs. (Sagar Island), Jalpaiguri, Haora and Maldah.

## Family PERIPLOCACEAE

1363. *Cryptolepis buchmanii* Roem. & Scult. (1819)

*Common name* : Karanata.

*Life form* : Shrub, twining in nature.

*Habitat* : Hedges and vill. Shrubberies.

*Distribution* : North 24 Pgs. (Dhosh/ Chandaneswar), Koch Bihar, Jalpaiguri, Barddhaman and Murshidabad.

1364. *Cryptostegia grandiflora* R. Br. (1819)

*Life form* : Climber.

*Habitat* : Planted in gardens.

*Distribution* : South 24 Pgs. (Dhakuria), Koch Bihar and Maldah.

1365. *Hemidesmus indicus* (L.) R. Br. (1811)

*Common name* : Ananta Mul.

*Life form* : Twining shrub.

*Habitat* : Shady, moist localities.

*Distribution* : South 24 Pgs. (Baruipur), Maldah, Darjiling, Koch Bihar, Murshidabad, Medinipur and Barddhaman.

## Family LOGANIACEAE

1366. *Buddleja asiatica* Lour. (1790)

*Common name* : Nimda/Bad-bhota.

*Life form* : Shrub.

*Habitat* : Hedges.

*Distribution* : Murshidabad, Dinajpur, Koch Bihar, North 24 Pgs. (Bamanghata), Jalpaiguri and Maldah.

1367. *Cynoctonum mitreola* (L.) Britton (1894)

*Life form* : Shrub.

*Distribution* : North 24 Pgs. (Ichhapur) and Jalpaiguri.

## Family MENYANTHACEAE

1368. *Canscora decussata* (Roxb.) Roem. & Scult. (1822)

*Common name* : Dankuni.

*Life form* : Herb.

*Habitat* : Grassy places, paths and waste grounds.

*Distribution* : Murshidabad, Nadia, Kolkata, South 24 Pgs. (Basirhat/Kholapota), Birbhum, Maldah, Barddhaman, Koch Bihar and Medinipur.

1369. *Canscora diffusa* (Vahl.) R. Br. (1810)

*Life form* : Herb.

*Habitat* : Grassy places, side of paths, in fallow field.

*Distribution* : Dinajpur, Koch Bihar, Maldah, Hugli, Nadia, Haora, Jalpaiguri, Medinipur and South 24 Pgs. (Behala).

1370. *Centaurium centaurioides* (Roxb.) Rao & Kammathy (1970)

*Common name* : Gima.

*Life form* : Herb.

*Distribution* : South 24 Pgs. (Mollakhali), Jalpaiguri, Murshidabad and Maldah.

1371. *Exacum pedunculatum* L. (1753)

*Life form* : Aquatic herb.

*Distribution* : Medinipur, Murshidabad, Koch Bihar, Nadia and South 24 Pgs. (Sarisha/near Diamond Harbour).

1372. *Nymphoides hydrophylla* (Lour.) O. Kuntze (1891)

*Common name* : Pan-chuli.

*Life form* : Aquatic herb.

*Distribution* : Birbhum, Koch Bihar, Maldah, Murshidabad, Haora, Jalpaiguri, Bankura, Dinajpur, Barddhaman, South 24 Pgs. (Mallickpur), Kolkata, Medinipur and Nadia.

1373. *Nymphoides indicum* (L.) O. Kuntze (1891)

*Life form* : Aquatic herb.

*Distribution* : Hugli, Barddhaman, South 24 Pgs. (Sashan), Jalpaiguri and Maldah.

## Family POLEMONIACEAE

1374. *Phlox drummondii* Hook.

*Life form* : Ann. Herb.

*Habitat* : Commonly planted.

*Distribution* : North 24 Pgs. (Bamanghata) and Koch Bihar.



## Family HYDROPHYLLACEAE

1375. *Hydrolea zeylanica* (L.) Vahl (1791)*Common name* : Kasschra.*Life form* : Herb.*Distribution* : South 24 Pgs. (Sitakundu/Baruipur), Maldah, Nadia, Jalpaiguri, Haora, Barddhaman, Medinipur, Koch Bihar and Murshidabad.

## Family EHRETIACEAE

1376. *Cordia dichotoma* Forsst. f. (1786)*Common name* : Lashora.*Life form* : Small tree.*Habitat* : Hedges, rarely cultivated.*Distribution* : Medinipur, Kolkata, South 24 Pgs. (Chemagari/Sagar Island), Maldah, Jalpaiguri, Dinajpur and Barddhaman.1377. *Cordia sebestena* L. (1753)*Common name* : Bokhaf or Bohari.*Life form* : Small tree.*Habitat* : Planted in public gardens.*Distribution* : South 24 Pgs. (Dhakuria), Kolkata, Dinajpur and Birbhum.1378. *Ehretia serrata* Roxb. (1820)*Common name* : Kula-aja.*Life form* : Medium sized tree.*Habitat* : Vill. Thickets.*Distribution* : South 24 Pgs. (Kestopur/near Baguihati).

## Family BORAGINACEAE

1379. *Coldenia procumbens* L. (1753)*Common name* : Triphunki.*Life form* : Herb.*Habitat* : Moist places, dry paddy fields.*Distribution* : Jalpaiguri, North 24 Pgs. (Titagarh) and Hugli.1380. *Heliotropium curassavicum* L. (1753)*Common name* : Nona hatisur.*Life form* : Halophytic herb.*Distribution* : Murshidabad, Medinipur, Koch Bihar, Dinajpur, Jalpaiguri, Hugli, South 24 Pgs. (Minakhan) and Maldah.1381. *Heliotropium indicum* L. (1753)*Common name* : Hatisur.*Life form* : Annual herb.*Habitat* : Waste places, rubbish heaps, etc.*Distribution* : Dinajpur, South 24 Pgs. (Khodarbazar/Baruipur), Medinipur, Bankura, Kolkata, Nadia, Birbhum and Haora.1382. *Heliotropium ovalifolium* Forssk. (1775)*Common name* : Nag-phuli.*Life form* : Sub-aquatic herb.*Habitat* : Roadsides and railway tracks.*Distribution* : South 24 Pgs. (Amtala).1383. *Heliotropium strigosum* Willd. (1798)*Common name* : Chiti-phul.*Life form* : Herb.*Habitat* : Waste places and railway tracks.*Distribution* : Jalpaiguri and South 24 Pgs. (Ghoshpur/Kulti Lock Gate).1384. *Myosotis sylvatica* Hoffm.*Life form* : Annual herb.*Distribution* : Darjiling.

## Family CONVULVACEAE

1385. *Argyrea hookeri* C.B. Clarke (1883)*Life form* : Large climbing shrub.*Habitat* : Hedges.*Distribution* : South 24 Pgs. (Baruipur) and Koch Bihar.1386. *Argyrea nervosa* (Burm.f.) Boj. (1837)*Common name* : Guguli or Bich-tarak.*Life form* : Large woody climber.*Habitat* : Planted in gardens, climbing on the walls.*Distribution* : Jalpaiguri and South 24 Pgs. (Magrahat).

1387. ***Convolvulus arvensis*** L. (1753)  
*Life form* : Trailing or twining herb.  
*Habitat* : Rare in *Distribution*, on vill. thickets.  
*Distribution* : Koch Bihar, Birbhum, Hugli, Medinipur, South 24 Pgs. (Garia Rly. Station), Barddhaman, Maldah and Dinajpur.
1388. ***Evolvulus alsinoides*** (L.) L. (1762)  
*Life form* : Herb.  
*Habitat* : Open grass-lands, waste places and roadsides.  
*Distribution* : Murshidabad, Haora, Maldah, Jalpaiguri, Koch Bihar, Puruliya, Nadia, South 24 Pgs. (Goranbose/Sunderban) and Medinipur.
1389. ***Hewittia sublobata*** (L.f.) O.K. Rev. (1891)  
*Common name* : Jarad Kalmi.  
*Life form* : Twining herb.  
*Habitat* : Hedges and thickets of waste places.  
*Distribution* : South 24 Pgs. (Haroa), Hugli and Haora.
1390. ***Ipomea aquatica*** Forssk. (1775)  
*Common name* : Kalmi Sak.  
*Life form* : Aquatic, floating herb.  
*Habitat* : Wet lands.  
*Distribution* : Nadia, Medinipur, South 24 Pgs. (Khodarbazar), Puruliya, Maldah, Haora, Birbhum, Darjiling, Koch Bihar, Barddhaman, Murshidabad, Dinajpur and Jalpaiguri.
1391. ***Ipomea batatas*** (L.) Lam. (1793)  
*Common name* : Mitha-Alu.  
*Life form* : Herb.  
*Habitat* : Cultivated in sandy soils.  
*Distribution* : Haora, Hugli, Nadia, Jalpaiguri, Koch Bihar, Kolkata, South 24 Pgs. (Baruipur) and Puruliya.
1392. ***Ipomea cairica*** (L.) Sweet (1827)  
*Life form* : Twining shrub.  
*Habitat* : Climing on bushes.  
*Distribution* : Jalpaiguri, Murshidabad and South 24 Pgs. (Bamanghata/Salt Lake).
1393. ***Ipomea eriocarpa*** R. Br. (1810)  
*Life form* : Twining annual shrub.  
*Habitat* : On bushes.  
*Distribution* : Maldah, Dinajpur, North 24 Pgs. (Ichhapur) and Birbhum.
1394. ***Ipomea carnea*** Jacq. ssp. ***fistulosa*** (Mart. ex Choisy)  
*Life form* : Large straggling shrub.  
*Distribution* : Puruliya, Murshidabad, Kolkata, Bankura, Medinipur, Birbhum, Koch Bihar, Dinajpur, Haora, Maldah, Darjiling, Hugli, Jalpaiguri, Nadia, South 24 Pgs. (Sonarpur) and Barddhaman.
1395. ***Ipomea mauritiana*** Jacq. (1791)  
*Common name* : Bhui Kumra.  
*Life form* : Twiner or scandent shrub.  
*Habitat* : On grassy grounds and scrub-jungles.  
*Distribution* : Medinipur, Barddhaman, Haora, South 24 Pgs. (Kakdwip) and Jalpaiguri.
1396. ***Ipomea nil*** (L.) Roth (1797)  
*Common name* : Nil Kalmi.  
*Life form* : Twining annual herb.  
*Habitat* : Waste lands as wild.  
*Distribution* : Medinipur, Koch Bihar, Kolkata and North 24 Pgs. (Duttapukur).
1397. ***Ipomea obscura*** (L.) Ker. (1817)  
*Habitat* : Hedges and thickets.  
*Distribution* : Hugli, Jalpaiguri, South 24 Pgs. (Dhakuria) and Barddhaman.
1398. ***Ipomea pes-caprae*** (L.) Sweet (1818)  
*Common name* : Chagar Kuri.  
*Life form* : Herb.  
*Distribution* : Medinipur and South 24 Pgs. (Sagar Island).
1399. ***Ipomea purpurea*** Roth (1787)  
*Life form* : Twiner.  
*Habitat* : Garden plant.  
*Distribution* : Nadia, Darjiling, Haora, Jalpaiguri, Koch Bihar, South 24 Pgs. (Kalyanpur) and Medinipur.

1400. *Ipomea quamoclit* L. (1753)  
*Common name* : Taru-Lata.  
*Life form* : Annual herb.  
*Habitat* : In the waste places.  
*Distribution* : Medinipur, Dinajpur, North 24 Pgs. (Barasat), Puruliya, Bankura, Jalpaiguri, Darjiling, Murshidabad, Koch Bihar, Birbhum and Kolkata.
1401. *Ipomea sepiaria* Koenig ex Roxb. (1814)  
*Common name* : Ban-Kalmi.  
*Life form* : Twiner.  
*Habitat* : Vill. thickets and waste places.  
*Distribution* : Murshidabad, South 24 Pgs. (Ghoramara/Sagar Island), Medinipur, Hugli, Barddhaman, Maldah, Koch Bihar and Jalpaiguri.
1402. *Ipomea tuba* (Schlecht.) G. Don (1838)  
*Life form* : Twining shrub.  
*Habitat* : Coastal regions.  
*Distribution* : South 24 Pgs. (Sagar Island/Handelketki) and Jalpaiguri.
1403. *Lepistemon binectariferum* (Wall.) Rev. (1891)  
*Life form* : Climbing herb.  
*Habitat* : Very rare on the vill. thickets.  
*Distribution* : Koch Bihar, Medinipur, North 24 Pgs. (Taki, Madhyampur) and Murshidabad.
1404. *Merremia gangetica* (L.) Cufodont. (1961)  
*Common name* : Bhui Kamari.  
*Life form* : Creeping herb.  
*Habitat* : In the grassy gardens and open sandy areas.  
*Distribution* : North 24 Pgs. (Durganagar), Maldah, Birbhum, Dinajpur and Jalpaiguri.
1405. *Merremia hederacea* (Burm. f.) Hallier f. (1894)  
*Life form* : Twining or climbing herb.  
*Habitat* : On small bushes.  
*Distribution* : Maldah, Jalpaiguri, South 24 Pgs. (Baruipur/Khoderbazar) and Murshidabad.
1406. *Merremia hirta* (L.) Merrill (1917)  
*Life form* : Very small twining herb.  
*Habitat* : Occasionally in gaps of stone of the railway tracks.  
*Distribution* : Medinipur, Koch Bihar, Haora, Jalpaiguri, South 24 Pgs. (Kalyanpur) and Hugli.
1407. *Operculina turpethum* (L.) Manso. (1836)  
*Common name* : Dudh Kolmi or Tohri.  
*Life form* : Twiner.  
*Habitat* : On waste places & vill. Thickets.  
*Distribution* : Jalpaiguri, South 24 Pgs. (Harinbari/Sagar Island) and Medinipur.
1408. *Porana paniculata* Roxb. (1815)  
*Life form* : Large climbing shrub.  
*Habitat* : Climbing on trees.  
*Distribution* : Maldah, Koch Bihar, Hugli, South 24 Pgs. (Bamanghata/Salt Lake), Barddhaman, Murshidabad and Jalpaiguri.
1409. *Porana grandiflora* Wall.  
*Life form* : Climber.  
*Distribution* : Darjiling.
1410. *Porana racemosa* Roxb.  
*Life form* : Climber.  
*Distribution* : Darjiling.
1411. *Stictocardia tilifolia* (Desr.) Hallier. f. (1894)  
*Life form* : Woody twiner.  
*Habitat* : Climbing on bushes and also trailing on grounds.  
*Distribution* : South 24 Pgs. (Bakkhali).
1412. *Volvulopsis nummularia* (L.) Roberty (1852)  
*Life form* : Herb.  
*Habitat* : In the moist lands.  
*Distribution* : South 24 Pgs. (Dehimedanmallapur/Mallickpur) and Jalpaiguri.
- Family CUSCUTACEAE
1413. *Cuscuta reflexa* Roxb. (1799)  
*Common name* : Swarnalata.  
*Life form* : Leafless, yellow parasitic herb.

*Habitat* : Forming dense mass on low trees/shrubs.

*Distribution* : Murshidabad, Darjiling, Barddhaman, Jalpaiguri, Dinajpur, Medinipur, Nadia, Haora, Koch Bihar, Hugli, Maldah, Bankura, Puruliya, Kolkata, South 24 Pgs. (Madarhat, Baruipur) and Birbhum.

Family SOLANACEAE

1414. ***Browalia alata*** L.

*Life form* : Annual herb.

*Distribution* : Darjiling.

1415. ***Capsicum frutescens*** L. (1753)

*Common name* : Dhani Lanka.

*Life form* : Shrub.

*Habitat* : Cultivated.

*Distribution* : South 24 Pgs. (Harinbari/Sagar Island).

1416. ***Cestrum aurantiacum*** Lindl.

*Life form* : Shrub.

*Distribution* : Darjiling.

1417. ***Cestrum diurnum*** L. (1753)

*Common name* : Buno-Hasnu Hana.

*Life form* : Medium shrub.

*Habitat* : Vill. shrubberies and railway tracks.

*Distribution* : Koch Bihar, Birbhum, Haora, Puruliya, Barddhaman, Maldah, South 24 Pgs. (Garia, Joynagar), Medinipur, Bankura, Murshidabad and Jalpaiguri.

1418. ***Cestrum elegans*** Schlecht.

*Life form* : Shrub.

*Distribution* : Darjiling.

1419. ***Cestrum nocturnum*** L. (1753)

*Common name* : Hasnu-Hana.

*Life form* : Shrub.

*Distribution* : Dinajpur, Maldah, Murshidabad, Kolkata, Haora, Jalpaiguri, Koch Bihar, Darjiling, Nadia, Birbhum, Barddhaman, North 24 Pgs. (Barasat), Hugli, Medinipur and Bankura.

1420. ***Cyphomandra betacea*** (Cav.) Sendt.

*Life form* : Shrub.

*Distribution* : Darjiling.

1421. ***Datura fastuosa*** L. (1959)

*Common name* : Sada Dhutra.

*Life form* : Herb-undershrub.

*Habitat* : Waste places, near roadsides, railway tracks & sandy areas of the coastal lands.

*Distribution* : South 24 Pgs. (Madarhat, Malirdhar), Murshidabad, Maldah, Hugli, Jalpaiguri and Barddhaman.

1422. ***Datura stramonium*** L. (1753)

*Common name* : Kalo-Dhutra.

*Life form* : Undershrub.

*Habitat* : Very rare on the vill. Thickets, common in sandy areas.

*Distribution* : Kolkata, Haora, Barddhaman, Birbhum, Hugli, Darjiling, Murshidabad, Jalpaiguri, Koch Bihar, Maldah, Dinajpur, Puruliya, Medinipur, South 24 Pgs. (Diamond Harbour), Bankura and Nadia.

1423. ***Datura suaveolens*** Humb. & Bonpl.  
ssp. ***suaveolens***

*Life form* : Shrub.

*Distribution* : Darjiling.

1424. ***Datura suaveolens*** Humb. & Bonpl.  
ssp. ***macrodon*** (Wall.ex Nees) Deb

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1425. ***Lycopersicon lycopersicum*** (L.)  
Karstem (1883)

*Common name* : Tomato or Gur Begun.

*Life form* : Herb.

*Habitat* : Found as garden escape in the moist waste lands.

*Distribution* : South 24 Pgs. (Amtala), Bankura, Maldah, Murshidabad, Jalpaiguri, Koch Bihar, Barddhaman, Haora, Medinipur and Hugli.

1426. ***Nicandra physaloides*** (L.) Gaerth

*Life form* : Annual herb.

*Distribution* : Darjiling.

1427. *Nicotiana plumbaginifolia* Viu (1802)  
*Common name* : Ban-Tamak.  
*Life form* : Herb.  
*Habitat* : Along the sides of canals, roadside thickets.  
*Distribution* : Bankura, Kolkata, Koch Bihar, Hugli, Medinipur, Haora, South 24 Pgs. (Dhanyakuria, Haroa, Budge Budge), Murshidabad, Jalpaiguri, Maldah and Barddhaman.
1428. *Nicotiana tabacum* L. (1753)  
*Common name* : Tamak or Tamaku.  
*Life form* : Herb.  
*Habitat* : Rarely cultivated in the public gardens.  
*Distribution* : Medinipur, Jalpaiguri, South 24 Pgs. (Lower Ganga Delta), Bankura, Nadia, Murshidabad, Haora, Koch Bihar, Darjiling and Puruliya.
1429. *Physalis minima* L. (1753)  
*Common name* : Ban-Tipariya.  
*Life form* : Annual herb.  
*Distribution* : Jalpaiguri, Nadia, Haora and South 24 Pgs. (Garia, Budge Budge, Masjidbati).
1430. *Physalis peruviana* L. (1753)  
*Common name* : Tipariya.  
*Life form* : Small shrub or herb.  
*Habitat* : Cultivated for its fruits.  
*Distribution* : Murshidabad, South 24 Pgs., Puruliya, Bankura, Maldah, Haora, Darjiling, Hugli, Nadia, Medinipur, Koch Bihar, Dinajpur, Birbhum, Jalpaiguri, Kolkata and Barddhaman.
1431. *Solanum ferox* L. (1762)  
*Common name* : Ram-begun.  
*Life form* : Medium shrub.  
*Habitat* : Dry waste lands.  
*Distribution* : Koch Bihar, Nadia, Medinipur and South 24 Pgs. (Sagar Island).
1432. *Solanum jasminoides* Paxton  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.
1433. *Solanum indicum* L. (1753)  
*Common name* : Byakur.  
*Life form* : Herb.  
*Habitat* : roadsides and on the railway tracks.  
*Distribution* : Maldah, Jalpaiguri, Bankura, Murshidabad, North 24 Pgs. (Madarhat, Hasnabad) and Barddhaman.
1434. *Solanum mauritianum* Scopoli  
*Life form* : Shrub.  
*Distribution* : Darjiling.
1435. *Solanum melongena* L. (1753)  
*Common name* : Begun.  
*Life form* : Undershrub.  
*Habitat* : Cultivated.  
*Distribution* : Jalpaiguri, Haora, Darjiling, Maldah, Barddhaman, Koch Bihar, Puruliya, Hugli, Nadia, Kolkata, Dinajpur, Murshidabad, Birbhum, North 24 Pgs. (Champadalia/Barasat), Medinipur and Bankura.
1436. *Solanum nigrum* L. (1753)  
*Common name* : Gurki begun or Gurkamari.  
*Life form* : Annual herb.  
*Habitat* : Moist wast lands or cult. Fields.  
*Distribution* : Darjiling, Nadia, Murshidabad, Hugli, Haora, Bankura, Maldah, Koch Bihar, Birbhum, Barddhaman, Jalpaiguri, Kolkata, Puruliya, Medinipur, South 24 Pgs. (Canning) and Dinajpur.
1437. *Solanum sisymbriifolium* Lam. (1811)  
*Life form* : Undershrub.  
*Habitat* : Waste places and along the roadsides hedges.  
*Distribution* : Barddhaman, Murshidabad, North 24 Pgs. (Dakshin Chatra), Nadia, Jalpaiguri and Koch Bihar.
1438. *Solanum surattense* Burm. f. (1768)  
*Common name* : Kantakari.  
*Life form* : Herb.  
*Habitat* : Waste lands, crop fields.  
*Distribution* : Haora, Dinajpur, Birbhum and South 24 Pgs. (Ghoramara/Sagar Island).

1439. ***Solanum torvum*** Swartz (1788)  
*Common name* : Gota-begun.  
*Life form* : Shrub.  
*Habitat* : Dry waste lands, hedges, thickets.  
*Distribution* : Koch Bihar, Medinipur, Kolkata, South 24 Pgs. (Baruipur, Canning), Murshidabad, Birbhum, Barddhaman, Hugli and Nadia.
1440. ***Solanum trilobatum*** L. (1753)  
*Life form* : Herb.  
*Distribution* : South 24 Pgs. (Garia, Sunderban).
1441. ***Solanum tuberosum*** L. (1753)  
*Common name* : Alu.  
*Life form* : Herb with underground stem.  
*Habitat* : Cultivated.  
*Distribution* : Dinajpur, South 24 Pgs. (Naraharipur/Sagar Island), Koch Bihar, Hugli, Jalpaiguri, Medinipur, Bankura and Maldah.
1442. ***Solanum verbascifolium*** L. (1753)  
*Common name* : Arasa.  
*Life form* : Shrub.  
*Habitat* : Waste lands.  
*Distribution* : Medinipur, Hugli, Nadia, Murshidabad, South 24 Pgs. (Budge Budge) and Bankura.
1443. ***Streptosolen jamesonii*** Miers  
*Life form* : Shrub.  
*Distribution* : Darjiling.
1444. ***Withania somnifera*** (L.) Dunal (1852)  
*Common name* : Aswagandha.  
*Life form* : Undershrub.  
*Distribution* : Birbhum, Kolkata, Dinajpur, Barddhaman, Haora, North 24 Pgs. (Kestopur/near Baguihati), Puruliya, Murshidabad, Koch Bihar, Hugli, Maldah, Jalpaiguri and Medinipur.
1445. ***Atropa belladonna*** L.  
*Life form* : Shrub.  
*Distribution* : Jalpaiguri and Koch Bihar.
1446. ***Brunfelsia americana*** L.  
*Life form* : Shrub.  
*Distribution* : Jalpaiguri, Barddhaman, Hugli, Murshidabad, Darjiling, Dinajpur, Birbhum, Bankura, Medinipur and Kolkata.
1447. ***Petunia nyctaginiflora*** Juss.  
*Life form* : Shrub.  
*Distribution* : Hugli, Maldah, Medinipur and Jalpaiguri.
1448. ***Petunia violacea*** Lindl.  
*Life form* : Shrub.  
*Distribution* : Maldah, Birbhum, Murshidabad and Kolkata.
1449. ***Solanum argenteum*** Dun  
*Life form* : Shrub.  
*Distribution* : Koch Bihar, Barddhaman and Puruliya.
1450. ***Solanum macranthum*** Dun  
*Life form* : Shrub.  
*Distribution* : Medinipur, Maldah and Hugli.
1451. ***Solanum melongena*** L. var. ***esculenta*** Roxb.  
*Life form* : Shrub.  
*Distribution* : Jalpaiguri.
1452. ***Solanum anguivi*** Lam.  
*Life form* : Shrub.  
*Distribution* : Darjiling, Maldah, Jalpaiguri and Hugli.
1453. ***Capsicum annum*** L. var. ***abbreviata*** Fingerh.  
*Life form* : Shrub.  
*Distribution* : Medinipur, Haora, Hugli and Murshidabad.
- Family SCROPHULARIACEAE
1454. ***Antirrhinum majus*** L. (1753)  
*Life form* : Herb.  
*Habitat* : Cultivated land as an ornamental plants.  
*Distribution* : Medinipur, Jalpaiguri, Koch Bihar, Maldah, Hugli, Darjiling, Kolkata and South 24 Pgs. (Baruipur).

1455. **Bacopa monnieri** (L.) Wettstein  
(1891)  
*Common name* : Brahmi Sak.  
*Life form* : Herb.  
*Habitat* : Marshy lands.  
*Distribution* : Hugli, South 24 Pgs. (Canning, Bamanpukur), Medinipur, Koch Bihar, Nadia, Jalpaiguri, Haora, Murshidabad and Maldah.
1456. **Calceolaria gracilis** Kunth  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1457. **Centrathera nepalensis** D. Don  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1458. **Centranthera tranquebarica**  
(Spreng.) Merr.  
*Life form* : Herb.  
*Habitat* : Vill. thickets.  
*Distribution* : Koch Bihar, Nadia and North 24 Pgs. (Ichhapur).
1459. **Digitalis purpurea** L.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1460. **Dopatrium junceum** (Roxb.) Buch.-  
Ham.  
*Life form* : Herb.  
*Habitat* : Paddy fields.  
*Distribution* : South 24 Pgs. (Bakkhali), Haora and Medinipur.
1461. **Hemiphragma heterophyllum**  
Wall.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1462. **Limnophila heterophylla** (Roxb.)  
Benth. (1836)  
*Life form* : Aquatic herb.  
*Habitat* : Swampy areas, paddy fields.  
*Distribution* : Medinipur, Jalpaiguri, Haora, Hugli, Koch Bihar, Barddhaman and South 24 Pgs. (Sasan).
1463. **Limnophila indica** (L.) Druce (1914)  
*Common name* : Karpur.  
*Life form* : Partially submerged.  
*Habitat* : Swampy areas.  
*Distribution* : Kolkata, Dinajpur, Maldah, South 24 Pgs. (Lower Ganga Delta), Jalpaiguri and Koch Bihar.
1464. **Limnophila pulcherrima** (Griff.)  
Hook. f. (1884)  
*Life form* : Sub-aquatic herb.  
*Habitat* : Moist waste lands.  
*Distribution* : Nadia, Murshidabad, South 24 Pgs. (Mahishmari/Sunderban) and Koch Bihar.
1465. **Limnophila reptans** Benth. (1846)  
*Life form* : Annual herb.  
*Habitat* : Moist condition.  
*Distribution* : Maldah, Hugli, Birbhum, Barddhaman and North 24 Pgs. (Durganagar/near Dum Dum Cant.).
1466. **Linaria cymbalaria** (L.) Mill.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1467. **Linaria odora** Firch.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1468. **Lindenbergia grandiflora** (Buch.-  
Ham.) Benth.  
*Life form* : Suffrutescent herb.  
*Distribution* : Darjiling.
1469. **Lindenbergia indica** (L.) Vatke  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1470. **Lindenbergia indica** (L.) Vatke  
(1875)  
*Common name* : Haldi-Basanta.  
*Life form* : Annual herb.  
*Habitat* : Moist waste lands.  
*Distribution* : South 24 Pgs. (Lower Ganga Delta), Kolkata, Murshidabad, Puruliya, Bankura, Nadia, Maldah, Hugli, Haora, Medinipur, Jalpaiguri, Barddhaman, Koch Bihar, Darjiling, Birbhum and Dinajpur.

1471. *Lindernia anagallis* (Burm.f.) Pennell (1943)  
*Life form* : Herb.  
*Habitat* : Marshy lands.  
*Distribution* : Bankura, North 24 Pgs. (Basirhat), Maldah, Jalpaiguri, Murshidabad and Bardhaman.
1472. *Lindernia ciliata* (Colsm.) Pennell (1936)  
*Life form* : Herb.  
*Habitat* : Moist areas.  
*Distribution* : Darjiling, Bardhaman, South 24 Pgs. (Chouhati/way to Minakhan), Medinipur, Jalpaiguri and Maldah.
1473. *Lindernia cordifolia* (Colsm.) Merr. (1923)  
*Life form* : Herb.  
*Habitat* : Semi-aquatic.  
*Distribution* : Darjiling, Dinajpur, Murshidabad, Jalpaiguri, North 24 Pgs. (Madhyampur), Medinipur, Bankura, Puruliya and Nadia.
1474. *Lindernia crustacea* (L.) Muell. (1882)  
*Life form* : Annual.  
*Habitat* : Semi-aquatic.  
*Distribution* : South 24 Pgs. (Madarhat, Gosaba), Hugli, Birbhum, Haora, Puruliya, Bankura and Murshidabad.
1475. *Lindernia hirsuta* (Benth.) Wettst. (1891)  
*Life form* : Succulent herb.  
*Habitat* : Waste lands.  
*Distribution* : Darjiling, Jalpaiguri, Koch Bihar, South 24 Pgs. (Lower Ganga Delta) and Dinajpur.
1476. *Lindernia multiflora* (D. Don) Wettst. (1819)  
*Life form* : Herb.  
*Habitat* : Moist waste lands.
- Distribution* : Dinajpur, Bankura, North 24 Pgs. (Taki), Murshidabad, Birbhum, Hugli, Jalpaiguri and Medinipur.
1477. *Lindernia numularifolia* (D. Don) Wettst. (1819)  
*Life form* : Herb.  
*Habitat* : Dampy and shady places.  
*Distribution* : Koch Bihar, Murshidabad, Haora, North 24 Pgs. (Bamanghata), Kolkata and Bankura.
1478. *Lindernia parviflora* (Roxb.) Haines (1922)  
*Life form* : Herb.  
*Habitat* : Moist places.  
*Distribution* : Darjiling North 24 Pgs. (Chandpara), Hugli, Dinajpur, Maldah and Jalpaiguri.
1479. *Lindernia pyxidaria* All. (1766)  
*Life form* : Annual herb.  
*Habitat* : Moist & shady places.  
*Distribution* : South 24 Pgs. (Narendrapur) and Medinipur.
1480. *Lindernia verbenaefolia* (Colsm.) Pennell (1943)  
*Life form* : Annual herb.  
*Habitat* : Rarely on moist places.  
*Distribution* : Bardhaman, South 24 Pgs. (Satzelia/Sunderban), Koch Bihar, Medinipur, Murshidabad, Birbhum and Kolkata.
1481. *Mazus pumilus* (Burm. f.) Steenis (1958)  
*Life form* : Annual herb.  
*Habitat* : Moist and shady places, on the bank of river.  
*Distribution* : Darjiling, Murshidabad, Hugli, Maldah, Haora, Nadia, Jalpaiguri, Medinipur, Kolkata, South 24 Pgs. (Lower Ganga Delta) and Koch Bihar.
1482. *Mazus surculosus* D. Don  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.



1483. *Mimulus nepalensis* Benth.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1484. *Pedicularis mollis* Wall.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1485. *Russelia equisetiformis* Schlecht. & Cham. (1831)  
*Life form* : Shrub.  
*Habitat* : Cultivated.  
*Distribution* : North 24 Pgs., Murshidabad, Barddhaman, Hugli, Dinajpur, Medinipur and Birbhum.
1486. *Scoparia dulcis* L. (1753)  
*Life form* : Herb.  
*Habitat* : Weed in the waste lands, common as hedge plant.  
*Distribution* : Hugli, Birbhum, Koch Bihar, Nadia, Darjiling, Murshidabad, Jalpaiguri, Dinajpur, Haora, Kolkata, Puruliya, Bankura, Medinipur, North 24 Pgs. (Dhopagachhi, Duttapukur), Barddhaman and Maldah.
1487. *Scorophularia elatior* Benth.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1488. *Scorophularia urticaefolia* Wall. ex Benth.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1489. *Torenia asiatica* L.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1490. *Torenia violacea* (Azeola ex Blanco) Pennell  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1491. *Vandellia pusilla* (Willd.) Yamazaki  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1492. *Veronica juvanica* Blume  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1493. *Veronica persica* Poir.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1494. *Veronica serpyllifolia* L.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
- Family OROBANCHACEAE
1495. *Orobanche indica* Buch.-Ham. (1832)  
*Common name* : Bena Bau.  
*Life form* : Root parasite.  
*Habitat* : On mustard and brinjal fields.  
*Distribution* : Maldah, South 24 Pgs. (Narendrapur), Medinipur, Koch Bihar, Haora, Barddhaman, Murshidabad, Jalpaiguri, Kolkata and Nadia.
- Family LENTIBULARIACEAE
1496. *Urticularia aurea* Lour. (1790)  
*Common name* : Jhangi.  
*Life form* : Rootless aquatic herb.  
*Habitat* : Sumerged, free-floating.  
*Distribution* : Medinipur, Jalpaiguri, Murshidabad, Barddhaman, Haora, Dinajpur, Koch Bihar, Maldah, Nadia, South 24 Pgs. (Satzelia), Kolkata and Hugli.
1497. *Urticularia gibbosa* L. ssp. *exoleta* P. Taylor (1961)  
*Common name* : Chhota Jhangi.  
*Life form* : Rootless aquatic herb.  
*Habitat* : Sumerged, free-floating.  
*Distribution* : Barddhaman, Nadia, Jalpaiguri, Birbhum, Dinajpur, South 24 Pgs. (Lower Ganga Delta), Medinipur and Bankura.
1498. *Urticularia inflexa* Forssk. var. *stellaris* (L. f.) Taylor (1961)  
*Life form* : Rootless aquatic herb.  
*Habitat* : Shallow ponds, marshy places and paddy fields.

*Distribution* : Koch Bihar, Dinajpur, South 24 Pgs. (Goranbose/Sunderban), Haora and Maldah.

Family BIGNONIACEAE

1499. *Begonia cathcartii* Hook. f. & Thoms.

*Life form* : Geophyte.

*Distribution* : Darjiling.

1500. *Begonia dioica* Buch.-Ham. ex D. Don

*Life form* : Geophyte.

*Distribution* : Darjiling.

1501. *Begonia flaviflora* Hara

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1502. *Begonia gemmipara* Hook. f.

*Life form* : Epiphytic herb.

*Distribution* : Darjiling.

1503. *Begonia hatacoa* Buch.-Ham. ex D. Don

*Life form* : Geophyte.

*Distribution* : Darjiling.

1504. *Begonia josephi* A. DC.

*Life form* : Geophyte.

*Distribution* : Darjiling.

1505. *Begonia inflata* C.B. Clarke

*Life form* : Herb.

*Distribution* : Darjiling.

1506. *Begonia megaptera* DC.

*Life form* : Herb.

*Distribution* : Darjiling.

1507. *Begonia nepalensis* (A.DC.) Warburg

*Life form* : Herb.

*Distribution* : Darjiling.

1508. *Begonia ovatifolia* DC

*Life form* : Herb.

*Distribution* : Darjiling.

1509. *Begonia palmata* D. Don

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1510. *Begonia picta* J. E. Sm.

*Life form* : Geophyte.

*Distribution* : Darjiling.

1511. *Begonia roxburghii* DC.

*Life form* : Herb.

*Distribution* : Darjiling.

1512. *Begonia satrapis* C.B. Clarke

*Life form* : Herb.

*Distribution* : Darjiling.

1513. *Begonia sikkimensis* A. DC

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1514. *Begonia subpleltata* Wight

*Life form* : Geophyte.

*Distribution* : Darjiling.

1515. *Bignonia unguiscati* L. (1753)

*Life form* : Climbing shrub.

*Habitat* : Garden plant.

*Distribution* : Jalpaiguri, Nadia, Dinajpur, Hugli, Bankura, Medinipur and South 24 Pgs. (Garia).

1516. *Begonia xanthi* Hook.

*Life form* : Herb.

*Distribution* : Darjiling.

1517. *Dolichandrone spathaceae* (L. f.) K. Schum. (1889)

*Common name* : Gorshingiah.

*Life form* : Medium to large tree.

*Habitat* : Grown in the mangrove cleared areas.

*Distribution* : Murshidabad, Haora, Birbhum, Bardhaman, Koch Bihar and South 24 Pgs. (Sunderban, Rudra Nagar/Sagar Island).

1518. *Haplophragma adenophyllum* (Wall.) P. Dop. (1925)

*Life form* : Medium to large tree.

*Habitat* : Garden plant.

*Distribution* : Haora, Maldah, Koch Bihar, Medinipur and South 24 Pgs.

1519. *Jacaranda mimosaeifolia* D. Don  
(1822)  
*Life form* : Small to medium-sized tree.  
*Habitat* : Gardens/Parks.  
*Distribution* : Murshidabad, Koch Bihar, Maldah, Barddhaman, Jalpaiguri, North 24 Pgs. (Barasat) and Hugli.
1520. *Millingtonia hortensis* L. f. (1781)  
*Common name* : Akas-nim.  
*Life form* : Large tree.  
*Habitat* : As an avenue tree, planted.  
*Distribution* : Jalpaiguri, North 24 Pgs., Maldah, Haora and Dinajpur.
1521. *Oroxylum indicum* (L.) Vent. (1808)  
*Common name* : Sona or Sonpatti.  
*Life form* : Tree.  
*Habitat* : Rarely planted as avenue tree.  
*Distribution* : Medinipur, Jalpaiguri, Kolkata, Koch Bihar, Barddhaman, Murshidabad, Dinajpur, South 24 Pgs. (Bireshwarpur/near Lakshmikantapur) and Nadia.

1522. *Tecoma stans* (L.) Juss. (1789)

*Life form* : Small tree.

*Habitat* : Cultivated.

*Distribution* : Dinajpur, South 24 Pgs. (Diamond Harbour), Jalpaiguri, Kolkata, Medinipur, Koch Bihar, Birbhum, Barddhaman, Hugli and Murshidabad.

Family PEDALIACEAE

1523. *Sesamum indicum* L. (1753)

*Common name* : Til.

*Life form* : Annual herb.

*Habitat* : Cultivated crop.

*Distribution* : Medinipur, Kolkata, Bankura, North 24 Pgs. (Barasat), Hugli, Dinajpur, Murshidabad, Darjiling, Barddhaman, Maldah, Haora, Jalpaiguri, Birbhum and Koch Bihar.

Family ACANTHACEAE

1524. *Acanthus carduaceus* Griff.

*Life form* : Shrub.

*Distribution* : Darjiling.

1525. *Acanthus ilicifolius* L. (1753)

*Common name* : Harkoch Kanta.

*Life form* : Viny shrub/herb.

*Habitat* : Mangrove forests.

*Distribution* : South 24 Pgs. (Surjyapur, Santoshpur).

1526. *Asystasia macrocarpa* Nees

*Life form* : Undershrub.

*Distribution* : Darjiling.

1527. *Adhatoda zeylanica* Medikus (1790)

*Common name* : Basak.

*Life form* : Shrub.

*Habitat* : Gregariously grow on garden edges, roadsides, railway tracks.

*Distribution* : Murshidabad, Kolkata, Medinipur, Maldah, Hugli, Birbhum, South 24 Pgs. (Harinbari/Sagar Island), Bankura, Darjiling, Koch Bihar, Dinajpur, Haora, Puruliya, Barddhaman, Nadia and Jalpaiguri.

1528. *Andrographis paniculata* (Burm. f.) Wall. ex Nees (1832)

*Common name* : Kalmegh.

*Life form* : Annual herb.

*Habitat* : Prefer shady waste lands, vill. gardens.

*Distribution* : Hugli, Haora, Medinipur, Koch Bihar, Birbhum, Barddhaman, Darjiling, Maldah, Murshidabad, Jalpaiguri, Puruliya, South 24 Pgs. (Gosaba, Falta), Bankura, Kolkata, Dinajpur and Nadia.

1529. *Barleria cristata* L. (1753)

*Common name* : Jati or Jhinti.

*Life form* : Undershrub.

*Habitat* : Thickets and hedges, roadside and railway tracks.

*Distribution* : Murshidabad, Barddhaman, Jalpaiguri, Koch Bihar, Nadia, Bankura, South 24 Pgs. (Madarhat, Baruipur), Puruliya, Medinipur and Kolkata.

1530. *Barleria prionitis* L. (1753)

*Common name* : Kanta-Jati.

*Life form* : Bushy undershrub.

*Habitat* : Scrub jungles, roadside hedges or railway tracks.

*Distribution* : Murshidabad, Barddhaman, Maldah, Kolkata, Hugli, Jalpaiguri, Dinajpur, Birbhum, South 24 Pgs. (Sitakundu/Baruipur) and Medinipur.

1531. *Cardanthera difformis* (L.) Druce  
(1917)

*Common name* : Kala.

*Life form* : Annual viscid herb.

*Habitat* : Semi-aquatic area, on the embankment of the ponds, canals and ditches.

*Distribution* : Murshidabad, Koch Bihar, South 24 Pgs. (Baruipur), Barddhaman, Jalpaiguri, Kolkata, Haora, Medinipur and Nadia.

1532. *Codonacanthus pauciflorus* Nees

*Life form* : Undershrub.

*Distribution* : Darjiling.

1533. *Crossandra infundibuliformis* (L.)  
Nees (1832)

*Life form* : Undershrub.

*Habitat* : Planted.

*Distribution* : Nadia, Murshidabad, Barddhaman, South 24 Pgs. (Santoshpur/near Budge Budge) and Jalpaiguri.

1534. *Difflugossa divaricata* (Nees)  
Bremek.

*Life form* : Undershrub.

*Distribution* : Darjiling.

1535. *Dipteracanthus prostratus* (Poir.)  
Nees (1832)

*Life form* : Undershrub.

*Habitat* : Bushy places, along the roadsides and railway tracks.

*Distribution* : South 24 Pgs. (Subuddhipur/Baruipur, Santoshpur), Nadia, Haora, Medinipur, Jalpaiguri, Barddhaman and Koch Bihar.

1536. *Ecbolium viride* (Forssk.) Alston.  
var. *dentata* (Klein ex Link)

*Common name* : Udu-Jati.

*Life form* : Herb.

*Habitat* : Waste places, vill. thickets and hedges.

*Distribution* : Maldah, Medinipur, Jalpaiguri, Haora, Hugli, South 24 Pgs. (Amtala, Masjidbati) Dinajpur, Murshidabad, Nadia and Koch Bihar.

1537. *Goldfussia capitata* Nees

*Life form* : Undershrub.

*Distribution* : Darjiling.

1538. *Hemigraphis hirta* (Vahl) T. Anders.  
(1867)

*Life form* : Herb.

*Habitat* : Moist places.

*Distribution* : Koch Bihar, Murshidabad, Haora, Birbhum, Barddhaman, Jalpaiguri, Bankura, Medinipur, South 24 Pgs. (Budge Budge), Nadia and Hugli.

1539. *Hygrophila auriculata* (Schultes)  
Heine (1962)

*Common name* : Kanta Kalika or Kuliakhara.

*Life form* : Undershrub.

*Habitat* : Wet swapy areas.

*Distribution* : Hugli, Medinipur, Bankura, Kolkata, South 24 Pgs. (Baruipur, Kumarzol), Barddhaman, Koch Bihar, Jalpaiguri, Murshidabad, Darjiling, Birbhum, Nadia, Maldah, Haora and Dinajpur.

1540. *Hygrophila phlomoides* Nees (1832)

*Life form* : Herb.

*Habitat* : Roadside marshy lands.

*Distribution* : Maldah, South 24 Pgs. (Bhangankhali) and Jalpaiguri.

1541. *Hygrophila polysperma* (Roxb.) T.  
And. (1867)

*Life form* : Small herb.

*Habitat* : Common on moist places.

*Distribution* : South 24 Pgs. (Bhangankhali/opposite to Canning), Nadia, Koch Bihar and Jalpaiguri.

1542. **Hypoestis triflora** Roem. & Schultes

*Life form* : Annual herb.

*Distribution* : Darjiling.

1543. **Justicia betonica** L. (1753)

*Life form* : Undershrub.

*Habitat* : Hedges and vill. Thickets.

*Distribution* : Medinipur, Hugli, Kolkata, South 24 Pgs. (Garia) and Birbhum.

1544. **Justicia diffusa** Willd. (1797)

*Life form* : Herb.

*Habitat* : Common weed on the paddy-fields and damp/moist places.

*Distribution* : North 24 Pgs. (Fort William), Nadia, Dinajpur, Medinipur, Darjiling, Maldah, Koch Bihar, Jalpaiguri and Haora.

1545. **Justicia gendarussa** Burm. f. (1768)

*Common name* : Gandho-rusa or Jagatmadan.

*Life form* : Shrub.

*Habitat* : Hedges and thickets.

*Distribution* : Puruliya, Maldah, Medinipur, North 24 Pgs. (Madhyamgram), Hugli, Kolkata, Birbhum, Jalpaiguri, Koch Bihar and Murshidabad.

1546. **Justicia procumbens** L.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1547. **Lepidogathis incurva** D. Don

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1548. **Nelsonia canescens** (Lam.) Spreng. (1825)

*Common name* : Paramul.

*Life form* : Herb.

*Habitat* : Moist waste lands.

*Distribution* : South 24 Pgs. (Lower Ganga Delta).

1549. **Peristrophe bicalyculata** (Retz.) Nees (1832)

*Common name* : Nasa-Bhanga.

*Life form* : Herb or undershrub.

*Habitat* : Waste lands.

*Distribution* : North 24 Pgs., Dinajpur, Murshidabad, Maldah and Darjiling.

1550. **Phaulopsis dorsiflora** (Retz.) Santapau (1948)

*Life form* : Herb.

*Habitat* : Rarely grow on the waste lands and vill. shrubberies, prefer grassy lands.

*Distribution* : Koch Bihar, Haora, Hugli and North 24 Pgs. ( Birati ).

1551. **Rhinacanthus nasutus** (L.) Kurz (1870)

*Common name* : Palak-juj.

*Life form* : Undershrub.

*Habitat* : Rarely on the vill. thickets or waste lands.

*Distribution* : South 24 Pgs. (Satzelia), Maldah, Koch Bihar and Dinajpur.

1552. **Ruella tuberosa** L. (1753)

*Life form* : Undershrub.

*Habitat* : Damp and shady places.

*Distribution* : Bankura, Murshidabad, Birbhum, Kolkata, Medinipur, Darjiling, Jalpaiguri, South 24 Pgs. (Falta), Haora, Hugli, Maldah, Dinajpur, Koch Bihar and Nadia.

1553. **Rungia pectinata** (L.) Nees (1847)

*Life form* : Annual herb.

*Habitat* : Grassy and moist localities.

*Distribution* : Koch Bihar, South 24 Pgs. (Saktinagar/Maslandapur), Maldah, Barddhaman, Medinipur, Jalpaiguri and Hugli.

1554. **Rungia repens** (L.) Nees (1832)

*Common name* : Parpatha.

*Life form* : Herb.

*Habitat* : Widely distributed.

*Distribution* : Murshidabad, Dinajpur, Barddhaman, Darjiling, Birbhum, North 24 Pgs. (Durganagar/near Dum Dum Cant.), Puruliya and Nadia.

1555. ***Staurogyne glutinosa*** (Wall. ex C.B. Clarke) O. Kuntze (1891)  
*Life form* : Herb.  
*Habitat* : Moist lands.  
*Distribution* : Nadia, South 24 Pgs. (Lower Ganga Delta) and Jalpaiguri.
1556. ***Strobilanthes pectinatus*** T. Anders.  
*Life form* : Undershrub.  
*Distribution* : Darjiling.
1557. ***Strobilanthes thomsonii*** T. Anders.  
*Life form* : Undershrub.  
*Distribution* : Darjiling.
1558. ***Strobilanthes urophyllus*** (Wall.) Nees  
*Life form* : Undershrub.  
*Distribution* : Darjiling.
1559. ***Thunbergia grandiflora*** (Roxb. ex Rottl.) Roxb. (1832)  
*Common name* : Nil lata.  
*Life form* : Large woody climber.  
*Distribution* : Jalpaiguri, Medinipur, North 24 Pgs. (Dakshin Barasat), Koch Bihar, Barddhaman, Nadia, Hugli, Haora and Kolkata.
1560. ***Thunbergia coccinea*** Wall. ex D. Don  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.
1561. ***Thunbergia fragrans*** Roxb.  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.
1562. ***Thunbergia lutea*** T. Anders.  
*Life form* : Climber.  
*Distribution* : Darjiling.
- Family VERBENACEAE
1563. ***Callicarpa arborea*** Roxb. ex C. B. Clarke  
*Life form* : Tree.  
*Distribution* : Darjiling.
1564. ***Callicarpa candicans*** (Burm. f.) Hochr. (1934)  
*Common name* : Arusha.  
*Life form* : Shrub.  
*Habitat* : Rarely grow on vill. thickets.  
*Distribution* : Kolkata, Medinipur, North 24 Pgs. (Hasnabad), Birbhum, Murshidabad, Maldah, Haora and Jalpaiguri.
1565. ***Callicarpa vestita***  
*Life form* : Shrub.  
*Distribution* : Darjiling.
1566. ***Caryopteris odorata*** (Buch-Ham. ex Roxb.) B. L. Rob.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
1567. ***Clerodendrum colebrookianum*** Walp.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
1568. ***Clerodendrum indicum*** (L.) O. Kuntze (1891)  
*Common name* : Bamanati.  
*Life form* : Shrub.  
*Habitat* : Wastelands, roadsides and railway track sides.  
*Distribution* : Murshidabad, Maldah, Kolkata, Jalpaiguri, Haora, Barddhaman, Koch Bihar, South 24 Pgs. (Piyalinagar/Baruipur), Medinipur and Hugli.
1569. ***Clerodendrum inerme*** (L.) Gaertn. (1788)  
*Common name* : Ban Jui or Batraj.  
*Life form* : Straggling shrub.  
*Habitat* : On the river banks and back-mangal localities, thickets; normally away from tidal influences.  
*Distribution* : Haora, Nadia, Medinipur, South 24 Pgs. (Surjyapur, Dhopa Gachi), Barddhaman, Bankura and Kolkata.

1570. *Clerodendrum splendens* G. Don  
(1824)  
*Life form* : Climbing shrub.  
*Habitat* : Hedges as climber.  
*Distribution* : Koch Bihar, Medinipur, North 24 Pgs. (Dum Dum Cant.), Bankura, Barddhaman, Murshidabad, Jalpaiguri and Maldah.
1571. *Clerodendrum viscosum* Vent.  
(1803)  
*Common name* : Ghetu.  
*Life form* : Robust shrub.  
*Habitat* : Wasteplaces, roadsides and railway tracks.  
*Distribution* : Maldah, Barddhaman, Haora, Birbhum, South 24 Pgs. (Gosaba, Garia), Kolkata, Medinipur and Dinajpur.
1572. *Duranta repens* L. (1753)  
*Common name* : Mudikanta.  
*Life form* : Shrub.  
*Habitat* : Planted as hedge plant.  
*Distribution* : Hugli, Nadia, Dinajpur, Haora, Koch Bihar, Jalpaiguri, Medinipur, Darjiling, Kolkata and South 24 Pgs. (Budge Budge).
1573. *Gmelina arborea* Roxb. (1819)  
*Life form* : Moderate tree.  
*Habitat* : Rarely found in the vill. thickets, or planted.  
*Distribution* : Haora, Hugli, Jalpaiguri, Koch Bihar, Maldah, Nadia, Medinipur, North 24 Pgs., Bankura, Kolkata, Puruliya, Barddhaman, Dinajpur, Birbhum and Murshidabad.
1574. *Homskioldia sanguinea* Retz.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
1575. *Lantana camara* L. var. *aculeata*  
(L.) Moldenke (1934)  
*Common name* : Manindra Kanta.  
*Life form* : Aromatic herb.  
*Habitat* : Waste places, hedges, thickets, railway tracks and jungles.  
*Distribution* : Kolkata, Bankura, Darjiling, Dinajpur, Haora, Barddhaman, Puruliya, Murshidabad, South 24 Pgs. (Canning/railway tracks), Jalpaiguri, Birbhum, Nadia, Koch Bihar, Maldah, Medinipur and Hugli.
1576. *Lantana indica* Roxb. (1832)  
*Life form* : Woody shrub.  
*Habitat* : Planted as hedge plant.  
*Distribution* : Barddhaman, Dinajpur, Darjiling, Nadia, Maldah, Birbhum, Jalpaiguri, Hugli, North 24 Pgs. (Maslandapur), Bankura, Kolkata, Haora, Medinipur, Puruliya, Koch Bihar and Murshidabad.
1577. *Lippia javanica* (Burm. f.) Spreng.  
(1825)  
*Life form* : Shrub.  
*Habitat* : Common on margin of ponds and canals.  
*Distribution* : South 24 Pgs. (Mallickpore), Haora, Medinipur, Koch Bihar, Murshidabad, Barddhaman, Nadia and Jalpaiguri.
1578. *Phyla nodiflora* (L.) Greene (1899)  
*Common name* : Bhui-Okra.  
*Life form* : Annual herb.  
*Habitat* : Moist waste places.  
*Distribution* : Maldah, Haora, Hugli, Birbhum, Jalpaiguri, Murshidabad, Darjiling, Koch Bihar, Nadia, Dinajpur, Bankura, Medinipur, South 24 Pgs. (Gosaba), Puruliya, Barddhaman and Kolkata.
1579. *Premna corymbosa* (Burm. f.)  
Rottl. & Willd. (1803)  
*Common name* : Gamiari or Bhui Biravi.  
*Life form* : Shrub or tree.  
*Habitat* : Scrub-jungles as back mangrove sp.  
*Distribution* : Medinipur, South 24 Pgs. (Sagar Island), Koch Bihar, Barddhaman and Murshidabad.
1580. *Premna mucronata* Roxb. (1832)  
*Common name* : Bakar.

*Life form* : Small to medium sized tree.

*Habitat* : Rarely cultivated, mostly wild.

*Distribution* : Maldah, Jalpaiguri, Haora, South 24 Pgs. (Canning/on the river sides) and Dinajpur.

1581. ***Tectona grandis*** L. f. (1781)

*Common name* : Segun.

*Life form* : Large tree.

*Habitat* : Planted as avenue tree or in old orchards.

*Distribution* : Bankura, Haora, Murshidabad, North 24 Pgs., Koch Bihar, Medinipur, Kolkata, Dinajpur, Darjiling, Nadia, Birbhum, Barddhaman, Jalpaiguri and Puruliya.

1582. ***Vitex negundo*** L. (1753)

*Life form* : Shrub or small tree.

*Habitat* : Hedge plant.

*Distribution* : Darjiling, Jalpaiguri, Murshidabad, Haora, Dinajpur, Hugli, Barddhaman, Maldah, Nadia, Birbhum, South 24 Pgs. (Champahati), Puruliya, Koch Bihar, Bankura, Kolkata and Medinipur.

Family AVICENNIACEAE

1583. ***Avicennia alba*** Blume (1820)

*Common name* : Kal-Bain.

*Life form* : Tree.

*Habitat* : On the tidal river banks, & inter-tidal mangrove forest or sea-shores.

*Distribution* : Medinipur, South 24 Pgs. (Supari Bhanga/Sagar Island).

1584. ***Avicennia marina*** (Forssk.) Vierh. (1907)

*Common name* : Peyara Bain.

*Life form* : Shrub to small tree (true mangrove sp.).

*Habitat* : Common in the inter-tidal forests of the coastal reas & ridge forests of Sunderban.

*Distribution* : Medinipur, South 24 Pgs. (Surjyapur/near Raidighi).

1585. ***Avicennia officinalis*** L. (1753)

*Common name* : Jat-Bain.

*Life form* : Medium tree.

*Habitat* : True mangrove, on the inter-tidal mud-flats and ridge forests of Sunderban.

*Distribution* : South 24 Pgs. (Bhangan Khali/Opposite to Canning).

Family LAMIACEAE (nom. alt.)  
Labiatae

1586. ***Achyrospermum densiflorum*** Bl.

*Life form* : Suffrutescent herb.

*Distribution* : Darjiling.

1587. ***Ajuga lobata*** D. Don

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1588. ***Ajuga macrosperma*** Wall. ex Benth. var. ***breviflora*** Hook. f.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1589. ***Anisomeles indica*** (L.) O. Kuntze (1891)

*Common name* : Gobura.

*Life form* : Shrub.

*Habitat* : Dry waste lands, hedges, roadsides & railway tracks.

*Distribution* : Maldah, Bankura, Nadia, Hugli, Darjiling, Medinipur, Barddhaman, Jalpaiguri, Murshidabad, Dinajpur, Haora, Puruliya, South 24 Pgs. (Baruipur, Garifa), Kolkata, Birbhum and Koch Bihar.

1590. ***Cinopodium piperitum*** (D. Don) Press

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1591. ***Cinopodium umbrosum*** (M. Bieb) C. Koch

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1592. ***Coleus amboinicus*** Lour. (1790)

*Common name* : Pathor-chur.



*Life form* : Medium herb.

*Habitat* : Cultivated.

*Distribution* : North 24 Pgs., Barddhaman, Nadia, Murshidabad, Hugli, Jalpaiguri and Koch Bihar.

1593. *Craneotome furcata* (Link) O. Kuntze

*Life form* : Suffrutescent herb.

*Distribution* : Darjiling.

1594. *Dysophylla verticillata* Benth.  
(1830)

*Common name* : Pani-kula.

*Life form* : Herb.

*Habitat* : On the paddy fields.

*Distribution* : North 24 Pgs. (Bhojerhat/near Salt Lake), Nadia, Kolkata, Barddhaman and Medinipur.

1595. *Elsholtzia blanda* (Benth.) Benth.

*Life form* : Suffrutescent herb.

*Distribution* : Darjiling.

1596. *Elsholtzia flava* Benth.

*Life form* : Suffrutescent herb.

*Distribution* : Darjiling.

1597. *Elsholtzia fruticosa* (D. Don) Rehd.

*Life form* : Shrub.

*Distribution* : Darjiling.

1598. *Elsholtzia strobilifera* (Benth.) Benth.

*Life form* : Annual herb.

*Distribution* : Darjiling.

1599. *Hyptis suaveolens* (L.) Poir. (1806)

*Common name* : Ganga-Tulsi or Bilati-Tulsi.

*Life form* : Fragrant herb.

*Habitat* : Moist waste lands, on the roadsides and railway tracks.

*Distribution* : Bankura, Nadia, Birbhum, North 24 Pgs. (Dum Dum Cant.), Maldah, Medinipur, Puruliya, Dinajpur, Barddhaman, Jalpaiguri and Koch Bihar.

1600. *Leonotis nepetaefolia* (L.) R. Brown  
(1810)

*Common name* : Hejurchi.

*Life form* : Annual herb.

*Habitat* : Waste places, roadsides and thickets.

*Distribution* : South 24 Pgs. (Purandarpur), Haora, Koch Bihar, Darjiling, Jalpaiguri, Hugli and Dinajpur.

1601. *Leonurus sibiricus* L. (1753)

*Common name* : Rakta-drone.

*Life form* : Annual herb.

*Habitat* : Roadsides, railway tracks, hedges & waste places.

*Distribution* : Maldah, South 24 Pgs. (Magrahat), Medinipur, Kolkata, Koch Bihar, Barddhaman, Jalpaiguri, Hugli and Murshidabad.

1602. *Leucas aspera* (Willd.) Spreng.  
(1823)

*Common name* : Chhota-halkusa.

*Life form* : Annual herb.

*Habitat* : Common weed on waste places and cult. Fields, roadsides, railway tracks.

*Distribution* : Koch Bihar, Darjiling, Puruliya, Medinipur, Kolkata, Murshidabad, Birbhum, South 24 Pgs. (Bagha Jatin), Dinajpur, Bankura, Maldah, Nadia, Jalpaiguri, Barddhaman, Haora and Hugli.

1603. *Leucas biflora* (Vahl) R. Br. (1810)

*Life form* : Herb.

*Habitat* : Rarely seen in the moist waste places, near the paddy fields and roadside thickets.

*Distribution* : Jalpaiguri, Murshidabad, Koch Bihar, Haora, North 24 Pgs. (Bamanghata) and Nadia.

1604. *Leucas cephalotes* (Roxb.) Spreng.  
(1825)

*Common name* : Bara-halkusa.

*Life form* : Annual, stout herb.

*Distribution* : Medinipur, Haora, Nadia, Jalpaiguri, Koch Bihar, Puruliya and Bankura.

1605. *Leucas indica* (L.) R. Br.

*Life form* : Annual herb.

*Distribution* : Darjiling.

1606. ***Leucas lavandulaefolia*** Sm. (1819)  
*Common name* : Halkussa.  
*Life form* : Annual herb.  
*Habitat* : Common on paddy fields, roadside thickets and hedges.  
*Distribution* : South 24 Pgs. (Baruipur), Hugli, Barddhaman, Murshidabad, Jalpaiguri, Birbhum and Maldah.
1607. ***Leucas mollissima*** Wall.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1608. ***Leucas nutans*** Spreng. (1825)  
*Life form* : Perennial herb.  
*Habitat* : Waste lands.  
*Distribution* : Birbhum, Haora, South 24 Pgs. (Kamdohri/Garia) and Puruliya.
1609. ***Leucocephalum canum*** Sm.  
*Life form* : Tree.  
*Distribution* : Darjiling.
1610. ***Melissa axillaris*** (Benth.) Bakh. f.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1611. ***Mentha spicata*** L. (1753)  
*Common name* : Pudina.  
*Life form* : Aromatic perennial herb.  
*Habitat* : Rarely cultivated in the gardens.  
*Distribution* : Dinajpur, Jalpaiguri, Koch Bihar, Murshidabad, North 24 Pgs. (Rahara/Danga Para), Bankura, Medinipur and Maldah.
1612. ***Notochete hamosa*** Benth.  
*Life form* : Herb.  
*Distribution* : Darjiling.
1613. ***Ocimum americanum*** L. (1753)  
*Common name* : Bharbari.  
*Life form* : Herb.  
*Habitat* : Waste lands.  
*Distribution* : Nadia, Puruliya, South 24 Pgs. (Falta Fort), Koch Bihar, Maldah, Jalpaiguri, Haora and Barddhaman.
1614. ***Ocimum basilicum*** L. (1753)  
*Common name* : Babui-Tulsi.  
*Life form* : Aromatic herb.  
*Habitat* : Cultivated lands, waste places.  
*Distribution* : South 24 Pgs. (Dhapdhapi), Nadia, Birbhum, Dinajpur and Koch Bihar.
1615. ***Ocimum gratissimum*** L. (1753)  
*Common name* : Ram-Tulsi.  
*Life form* : Shrub.  
*Habitat* : Rarely in the waste places along the roadsides, hedges and railway tracks.  
*Distribution* : South 24 Pgs. (Ghoramara/adjacent to Sagar Island), Barddhaman, Haora, Maldah, Dinajpur, Koch Bihar and Medinipur.
1616. ***Ocimum sanctum*** L. (1767)  
*Common name* : Tulsi.  
*Life form* : Woody undershrub.  
*Habitat* : Very common to every Hindu's house, also present in the waste lands.  
*Distribution* : Maldah, South 24 Pgs. (Atghora/Baruipur), Bankura, Birbhum, Darjiling, Haora, Dinajpur, Nadia, Kolkata, Barddhaman, Hugli, Jalpaiguri, Koch Bihar, Medinipur, Puruliya and Murshidabad.
1617. ***Orthosiphon rubicundus*** Benth. (1831)  
*Life form* : Undershrub.  
*Habitat* : Rarely on the vill. thickets.  
*Distribution* : Maldah, North 24 Pgs. (Gobardanga), Jalpaiguri and Murshidabad.
1618. ***Perilla frutescens*** (L.) Britton  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1619. ***Pogostemon amaranthoides*** Benth.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
1620. ***Pogostemon benghalense*** (Burm.f.) O. Kuntz (1891)  
*Common name* : Jui-Lata.

*Life form* : Large aromatic herb.

*Habitat* : Shady places and waste lands.

*Distribution* : North 24 Pgs. (Barrackpur), Maldah, Jalpaiguri, Haora and Medinipur.

1621. ***Prunella vulgaris*** L.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1622. ***Rabdosia coetsa*** (Buch.-Ham. ex D. Don) Hara

*Life form* : Annual herb.

*Distribution* : Darjiling.

1623. ***Rabdosia lophanthoides*** (Buch.-Ham. ex D. Don) Hara var. ***lophanthoides***

*Life form* : Annual herb.

*Distribution* : Darjiling.

1624. ***Rabdosia lophanthoides*** (Buch.-Ham. ex D. Don) Hara var. ***gerardiana***

*Life form* : Annual herb.

*Distribution* : Darjiling.

1625. ***Rabdosia lophanthoides*** (Buch.-Ham. ex D. Don) Hara var. ***gracilifolia***

*Life form* : Annual herb.

*Distribution* : Darjiling.

1626. ***Rabdosia maddeni*** (Benth. ex Hook. f.) Hara

*Life form* : Annual herb.

*Distribution* : Darjiling.

1627. ***Rabdosia rugosa*** (Wall. ex Benth.) Hara

*Life form* : Annual herb.

*Distribution* : Darjiling.

1628. ***Salvia coccinea*** L.

*Life form* : Annual herb.

*Distribution* : Darjiling.

1629. ***Salvia leucantha*** Cav.

*Life form* : Shrub.

*Distribution* : Darjiling.

1630. ***Salvia plebeja*** R. Br. (1810)

*Common name* : Bhui-Tulsi.

*Life form* : Annual herb.

*Habitat* : Moist and shady areas, near the canals, dry ditches and jheels.

*Distribution* : Bankura, South 24 Pgs. (Malatipur), Medinipur, Puruliya, Jalpaiguri, Birbhum, Maldah, Dinajpur, Barddhaman and Haora.

1631. ***Scutellaria discolor*** Colebr.

*Life form* : Annual herb.

*Distribution* : Darjiling.

1632. ***Scutellaria violacea*** Heyne ex Benth. var. ***sikkimensis*** Hook.f.

*Life form* : Annual herb.

*Distribution* : Darjiling.

Family PLANTAGINACEAE

1633. ***Plantago erosa*** Wall.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1634. ***Plantago ovata*** Forssk. (1776)

*Common name* : Ispghul.

*Life form* : Herb.

*Habitat* : Very rarely planted for its medicinal value.

*Distribution* : Darjiling, South 24 Pgs. (Nurpur), Medinipur, Nadia, Jalpaiguri, Barddhaman, Murshidabad, Dinajpur, Birbhum and Bankura.

1635. ***Boerhavia diffusa*** L. (1753)

*Common name* : Punarnava.

*Life form* : Herb.

*Habitat* : Very common on the waste places, railway tracks, roadsides and on the old walls.

*Distribution* : Haora, Barddhaman, Maldah, Dinajpur, Hugli, Darjiling, Nadia, Koch Bihar, Birbhum, Jalpaiguri, South 24 Pgs. (Nurpur), Puruliya, Bankura, Medinipur, Kolkata and Murshidabad.

1636. ***Bougainvillea glabra*** Choisy (1849)

*Life form* : Straggling herb.

*Habitat* : Cultivated.

*Distribution* : Medinipur, Puruliya, Barddhaman, South 24 Pgs., Kolkata, Bankura, Jalpaiguri, Hugli, Haora, Nadia, Maldah, Koch Bihar, Dinajpur, Murshidabad, Birbhum and Darjiling.

1637. ***Bougainvillea spectabilis*** Willd.  
(1799)

*Life form* : Woody climbing shrub.

*Habitat* : Planted.

*Distribution* : Murshidabad, Bankura, Medinipur, South 24 Pgs., Puruliya, Kolkata, Haora, Nadia, Maldah, Barddhaman, Dinajpur, Hugli, Darjiling, Birbhum, Koch Bihar and Jalpaiguri.

1638. ***Mirabilis jalapa*** L. (1753)

*Common name* : Krishna-Kali.

*Life form* : Undershrub.

*Habitat* : Commonly cultivated.

*Distribution* : Hugli, Murshidabad, Medinipur, North 24 Pgs. (Taki), Kolkata, Maldah, Jalpaiguri, Koch Bihar, Barddhaman and Nadia.

Family AMARANTHACEAE

1639. ***Achyranthes aspera*** L. (1753)

*Common name* : Apang.

*Life form* : Annual herb.

*Habitat* : Very common on the waste lands, hedges etc.

*Distribution* : Dinajpur, Maldah, North 24 Pgs. (Dum Dum Cant.), Kolkata, Medinipur, Bankura, Barddhaman, Nadia, Darjiling, Koch Bihar, Jalpaiguri, Haora, Birbhum, Hugli, Puruliya and Murshidabad.

1640. ***Achyranthes bidentata*** Blume

*Life form* : Annual herb.

*Distribution* : Darjiling.

1641. ***Aerva lanata*** (L.) Juss. (1803)

*Common name* : Chhaya.

*Life form* : Herb.

*Habitat* : Waste lands.

*Distribution* : Kolkata, Bankura, Maldah, Puruliya, Hugli, Medinipur, Birbhum, North Dinajpur, Haora, South 24 Pgs. (Mollakhali), Murshidabad and Jalpaiguri.

1642. ***Aerva sanguinolenta*** (L.) Blume  
(1826)

*Life form* : Herb.

*Habitat* : Common on waste places.

*Distribution* : Koch Bihar, South 24 Pgs. (Madarhat, Baruipur), Murshidabad, Haora and Maldah.

1643. ***Allmania nodiflora*** R. Br. (1813)

*Life form* : Annual herb.

*Habitat* : Common on canal sides.

*Distribution* : Maldah, South 24 Pgs. (Jadavpur), Koch Bihar, Jalpaiguri, Murshidabad and Dinajpur.

1644. ***Alternanthera paranychioides*** St.  
(1833)

*Life form* : Herb.

*Habitat* : Prefer moist places but also can grow in the xerophytic conditions.

*Distribution* : Puruliya, South 24 Pgs. (Subuddhipur/Baruipur), Haora, Nadia, Koch Bihar, Kolkata, Medinipur and Hugli.

1645. ***Alternanthera philoxeroides***  
(Mart.) Griseb. (1879)

*Life form* : Herb.

*Habitat* : Moist, waste lands.

*Distribution* : Nadia, South 24 Pgs. (Sitakundu/Baruipur), Koch Bihar, Jalpaiguri, Murshidabad and Haora.

1646. ***Alternanthera pungens*** Kunth  
(1818)

*Life form* : Herb.

*Habitat* : Roadsides.

*Distribution* : Puruliya, Medinipur, South 24 Pgs. (Nurpur), Nadia and Koch Bihar.

1647. ***Alternanthera sessilis*** (L.) R. Br.  
(1810)

*Life form* : Herb.

*Habitat* : Common weed in the cultivated fields and other moist places.

*Distribution* : Jalpaiguri, Hugli, Kolkata, South 24 Pgs. (Canning, Gobardanga), Barddhaman, Medinipur, Puruliya, Bankura, Nadia, Birbhum, Darjiling, Dinajpur, Haora, Maldah, Murshidabad and Koch Bihar.

1648. **Amaranthus caudatus** L. (1753)  
*Life form* : Robust herb.  
*Habitat* : Rarely planted or as an escape.  
*Distribution* : Murshidabad, South 24 Pgs. (Gosaba), Nadia and Koch Bihar.
1649. **Amaranthus spinosus** L. (1753)  
*Common name* : Kanta Note.  
*Life form* : Herb.  
*Habitat* : Very common in waste lands, hedges, thickets, etc.  
*Distribution* : Darjiling, Maldah, Haora, Birbhum, Barddhaman, Murshidabad, Hugli, Nadia, South 24 Pgs. (Sarberia), Koch Bihar, Bankura, Medinipur, Kolkata, Puruliya, Dinajpur and Jalpaiguri.
1650. **Amaranthus tenuifolius** Willd. (1805)  
*Life form* : Annual herb.  
*Habitat* : Rarely found in moist waste lands.  
*Distribution* : South 24 Pgs. (Durgapur), Koch Bihar, Haora and Barddhaman.
1651. **Amaranthus tricolor** L. (1753)  
*Life form* : Annual herb.  
*Habitat* : Moist and waste places.  
*Distribution* : South 24 Pgs. (Sagar Island) and Jalpaiguri.
1652. **Amaranthus viridis** L. (ex parte) (1763)  
*Common name* : Bam-nate.  
*Life form* : Annual herb.  
*Habitat* : Moist and waste lands, along the water canals and cultivated fields.  
*Distribution* : Koch Bihar, Haora, Hugli, Darjiling, Birbhum, Maldah, Jalpaiguri, Murshidabad, Dinajpur, Barddhaman, Puruliya, North 24 Pgs. (Maslandapur, Madhyamgram), Medinipur, Kolkata, Bankura and Nadia.
1653. **Celosia argentea** L. (1753)  
*Common name* : Swet-Murga or Morag-Phul.

- Life form* : Annual herb.  
*Habitat* : Weed in the moist waste lands.  
*Distribution* : Haora, Koch Bihar, North 24 Pgs., Puruliya, Darjiling, Medinipur and Nadia.
1654. **Celosia cristata** L. (1753)  
*Common name* : Marag Jata.  
*Life form* : Annual herb.  
*Habitat* : Cultivated garden or in waste lands.  
*Distribution* : Murshidabad, Jalpaiguri, Barddhaman, South 24 Pgs. (Santoshpur/near Budge Budge), Medinipur and Maldah.
1655. **Cyathula capitata** Moy  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1656. **Digera muricata** (L.) Mart. (1825)  
*Common name* : Luta-mhauria.  
*Life form* : Perennial herb.  
*Habitat* : Cultivated lands and moist waste places.  
*Distribution* : Hugli, Medinipur, Dinajpur, Maldah, Koch Bihar, Jalpaiguri, Barddhaman, Nadia, Kolkata and South 24 Pgs. (Gocharan).
1657. **Gomphrena celosioides** Mart. (1825)  
*Life form* : Herb.  
*Habitat* : Waste ground along the sides of roads/railway tracts.  
*Distribution* : South 24 Pgs. (Bantala), Puruliya, Medinipur, Bankura, Nadia, Birbhum, Darjiling, Jalpaiguri, Hugli and Dinajpur.
1658. **Gomphrena globosa** L. (1753)  
*Common name* : Gomphorna.  
*Life form* : Annual herb.  
*Habitat* : Planted in the gardens.  
*Distribution* : Koch Bihar, South 24 Pgs. (Belekhali/Salt Lake), Bankura, Birbhum and Nadia.
- Family CHENOPODIACEAE
1659. **Arthrocnemum indicum** (Willd.) Miq. (1840)  
*Common name* : Jadu Palang.  
*Life form* : Annual herb.

*Habitat* : Common on the river sides.

*Distribution* : South 24 Pgs. (Suparibhanga/Sagar Island), Koch Bihar and Nadia.

1660. ***Beta vulgaris*** L. (1753)

*Common name* : Beet.

*Life form* : Tuberous herb.

*Habitat* : Cultivated lands.

*Distribution* : South 24 Pgs. (Sunderban, Garia), Bankura, Maldah, Barddhaman, Koch Bihar, Jalpaiguri and Murshidabad.

1661. ***Chenopodium album*** L. (1753)

*Common name* : Bethua-sak.

*Life form* : Herb.

*Habitat* : On river banks, canal sides, as weed on cultivated grounds.

*Distribution* : Hugli, Medinipur, Kolkata, Bankura, South 24 Pgs. (Diamond Harbour), Puruliya, Nadia, Barddhaman, Darjiling, Haora, Murshidabad, Jalpaiguri, Birbhum, Maldah, Koch Bihar and Dinajpur.

1662. ***Chenopodium ambrosioides*** L. (1753)

*Life form* : Shrub.

*Habitat* : Moist waste lands, roadsides and canal sides.

*Distribution* : Hugli, South 24 Pgs. (Sarberia, Baruipur, Malancha, Budge Budge, Madhyampur, Sankchura), Maldah, Medinipur, Birbhum, Barddhaman, Murshidabad and Koch Bihar.

1663. ***Chenopodium murale*** L. (1753)

*Life form* : Herb.

*Habitat* : Moist waste lands.

*Distribution* : Dinajpur, Bankura, Medinipur, Maldah, Haora, North 24 Pgs. (Sodepur) and Jalpaiguri.

1664. ***Salicornia brachiata*** Roxb. (1820)

*Life form* : Herb.

*Habitat* : Waste lands and river beds.

*Distribution* : Nadia, South 24 Pgs. (Lakshmikantapur) and Medinipur.

1665. ***Spinacia oleracea*** L. (1753)

*Common name* : Palang-Sak.

*Life form* : Annual herb.

*Habitat* : Cultivated lands.

*Distribution* : Darjiling, Medinipur and North 24 Pgs. (Madhyamgram) and all districts.

1666. ***Suaeda maritima*** Dumort. (1827)

*Common name* : Gire sak.

*Life form* : Herb.

*Habitat* : Common on river flats.

*Distribution* : South 24 Pgs. (Hingalgunj) and Medinipur.

1667. ***Suaeda nudiflora*** Moq. (1831)

*Life form* : Woody undershrub.

*Habitat* : Common on the inter-tidal river slopes.

*Distribution* : Koch Bihar and South 24 Pgs. (Bhangankhali).

Family BASELLACEAE

1668. ***Basella alba*** L. (1753)

*Common name* : Pui-Sak.

*Life form* : Succulent twiner.

*Habitat* : Commonly cultivated.

*Distribution* : Jalpaiguri, Kolkata, Medinipur, South 24 Pgs. (Piyalinagar/Baruipur), Murshidabad, Haora, Maldah, Koch Bihar and Hugli.

Family PHYTOLACCACEAE

1669. ***Petiveria alliacea*** L. (1753)

*Life form* : Herb.

*Habitat* : Rarely grow on the dry waste lands & roadside thickets.

*Distribution* : Bankura, Medinipur, Barddhaman, Koch Bihar, Birbhum, Nadia, Maldah, Dinajpur and North 24 Pgs. (Sodepur).

1670. ***Rivinia humilis*** L. (1753)

*Life form* : Herb.

*Habitat* : Rarely found in the vill. shrubberies.

*Distribution* : Koch Bihar, Hugli, Puruliya, Medinipur, South 24 Pgs. (Ballygunge), Jalpaiguri, Murshidabad, Darjiling and Haora.

Family POLYGONACEAE

1671. **Aconogonum campanulatum**  
(Hook. f.) Hara

*Life form* : Suffrutescent herb.

*Distribution* : Darjiling.

1672. **Aconogonum molle** (D. Don) Buch.-  
Ham. var. **molle**

*Life form* : Shrub.

*Distribution* : Darjiling.

1673. **Aconogonum molle** (D. Don) Buch.-  
Ham. var. **frondosum** (Meisn.) Hara

*Life form* : Shrub.

*Distribution* : Darjiling.

1674. **Antigonon leptopus** Hook. & Arn.  
(1841)

*Life form* : Climbing shrub.

*Habitat* : Along the trellises, rarely found as wild-climbing on thickets.

*Distribution* : Jalpaiguri, Nadia, Kolkata, North 24 Pgs. (Bhebe Choumatha/near Basirhat), Medinipur, Barddhaman, Maldah, Koch Bihar, Puruliya, Dinajpur, Hugli, Bankura, Murshidabad, Birbhum, Haora and Darjiling.

1675. **Bistorta amplexicaule** (D. Don)  
Greene

*Life form* : Suffrutescent herb.

*Distribution* : Darjiling.

1676. **Bistorta emodi** (Meisn.) Hara

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1677. **Fagopyrum debotrys** (D. Don) Hara

*Life form* : Undershrub.

*Distribution* : Darjiling.

1678. **Fagopyrum esculentum** Moench

*Life form* : Annual herb.

*Distribution* : Darjiling.

1679. **Fallopia convolvulus** (L.) Holub

*Life form* : Climber.

*Distribution* : Darjiling.

1680. **Periscaria capitata** (Buch.-Ham.) H.  
Gross

*Life form* : Climber.

*Distribution* : Darjiling.

1681. **Periscaria chinensis** (L.) H. Gross

*Life form* : Undershrub.

*Distribution* : Darjiling.

1682. **Periscaria hydropiper** (L.) Spach

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1683. **Periscaria microcephala** (D. Don)  
H. Gross

*Life form* : Annual herb.

*Distribution* : Darjiling.

1684. **Periscaria mitis** Gilib

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1685. **Periscaria nepalensis** (Meisn.) H.  
Gross

*Life form* : Annual herb.

*Distribution* : Darjiling.

1686. **Periscaria perfoliata** (L.) H. Gross

*Life form* : Shrubby climber.

*Distribution* : Darjiling.

1687. **Periscaria posumbu** (D. Don) H.  
Gross

*Life form* : Annual herb.

*Distribution* : Darjiling.

1688. **Periscaria praetermissa** (Hook. f.)  
Hara

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1689. **Periscaria pubescens** (Blume) Hara

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1690. **Periscaria runcinata** (Buch.-Ham.)  
H. Gross

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1691. ***Periscaria thunbergii*** (Seib. & Zuss.) H. Gross  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1692. ***Polygonum barbatum*** var. ***barbatum*** L. (1753)  
*Common name* : Bekh-Unjubaz.  
*Life form* : Undershrub.  
*Habitat* : Moist waste places.  
*Distribution* : Koch Bihar, Maldah, South 24 Pgs. (Magrahat), Medinipur, Nadia, Jalpaiguri, Hugli, Murshidabad, Barddhaman and Kolkata.
1693. ***Polygonum barbatum*** L. var. ***gracile*** (Denser) Steward (1830)  
*Life form* : Herb.  
*Habitat* : Waste marshy places.  
*Distribution* : Hugli, Haora, Dinajpur, South 24 Pgs. (Sashan Road/nearBaruipur), Puruliya and Murshidabad.
1694. ***Polygonum glabrum*** Willd. (1799)  
*Life form* : Shrub (Semi-aquatic).  
*Habitat* : Common on the ditches and water courses.  
*Distribution* : South 24 Pgs. (Lower Ganga Delta), Jalpaiguri, Barddhaman, Koch Bihar, Haora and Maldah.
1695. ***Polygonum hydropiper*** L. (1753)  
*Common name* : Pakurmul.  
*Life form* : Annual herb.  
*Habitat* : Roadsides ditches, margin of ponds, river, drainage, jheels.  
*Distribution* : Jalpaiguri, Koch Bihar, Haora, Murshidabad and North 24 Pgs. (Ultadanga, Dandihat, Purandarpur).
1696. ***Polygonum orientale*** L. (1753)  
*Common name* : Bara-Panimirich.  
*Life form* : Annual herb.  
*Habitat* : Waste places.  
*Distribution* : Haora, Medinipur and North 24 Pgs. (Dakshineswar, Bongaon).
1697. ***Polygonum plebejum*** var. ***plebejum*** R. Br. (1810)  
*Life form* : Herb.  
*Habitat* : Sides of ditches and roadsides.  
*Distribution* : Maldah, Nadia, Barddhaman, Medinipur, North 24 Pgs. (Saktinagar, Dhanyakuria), Birbhum, Koch Bihar and Murshidabad.
1698. ***Polygonum plebejum*** R. Br. var. ***effusa*** R. Br. (1810)  
*Life form* : Herb.  
*Habitat* : Rarely found in the shady waste places and rice fields.  
*Distribution* : South 24 Pgs. (Behala), Nadia, Murshidabad, Puruliya and Hugli.
1699. ***Polygonum plebejum*** R. Brown var. ***elegans*** Hook. f. (1886)  
*Life form* : Herb.  
*Habitat* : Rarely on the roadside hedges.  
*Distribution* : North and 24 Pgs. (Ghatakpur) and Jalpaiguri.
1700. ***Polygonum pubescens*** Blume (1962)  
*Life form* : Shrub.  
*Habitat* : On marshy places.  
*Distribution* : South 24 Pgs. (Lower Ganga Delta), Nadia, Koch Bihar and Murshidabad.
1701. ***Rumex dentatus*** L. (1771)  
*Common name* : Ambavati.  
*Life form* : Annual herb.  
*Habitat* : Near marshy places, roadside canals and ditches.  
*Distribution* : Bankura, Haora, Birbhum, South 24 Pgs. (Garia, Sarbedia), Nadia, Jalpaiguri, Medinipur, Darjiling and Barddhaman.
1702. ***Rumex hastatus*** D. Don  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1703. ***Rumex maritimus*** L. (1771)  
*Common name* : Ban-Palang.  
*Life form* : Herb.  
*Habitat* : Waste lands.



*Distribution* : Jalpaiguri, Koch Bihar, Murshidabad, Haora, Medinipur, South 24 Pgs. (Nalban), Kolkata, Hugli and Nadia.

1704. ***Rumex nepalensis*** Spreng.

*Life form* : Annual herb.

*Distribution* : Darjiling.

1705. ***Rumex orientalis*** Benth. ex Schult. f.

*Life form* : Annual herb.

*Distribution* : Darjiling.

Family ARISTOLOCHIACEAE

1706. ***Aristolochia indica*** L. (1753)

*Life form* : Climbing herb.

*Habitat* : Rarely on the hedges and waste lands, along the railway tracks.

*Distribution* : Maldah, Kolkata, Jalpaiguri, South 24 Pgs. (Malatipur), Haora, Medinipur and Murshidabad.

Family PIPERACEAE

1707. ***Peperomia heyneana*** Miq.

*Life form* : Epiphytic herb.

*Distribution* : Darjiling.

1708. ***Peperomia tetraphylla*** (Forst. f.)  
Hook. & Arn.

*Life form* : Epiphytic herb.

*Distribution* : Darjiling.

1709. ***Peperomia pellucida*** (L.) Kunth  
(1815)

*Common name* : Luchipata.

*Life form* : Very succulent herb.

*Habitat* : Very common in marshy waste lands, old walls.

*Distribution* : Hugli, Jalpaiguri, Dinajpur, Maldah, Darjiling, Nadia, Barddhaman, Koch Bihar, Murshidabad, Kolkata, South 24 Pgs. (Atghora/Madarhat, Brace Bridge, Sankchura/near Taki) and Medinipur.

1710. ***Piper betle*** L. (1753)

*Common name* : Pan.

*Life form* : Climbing or twining shrub.

*Habitat* : Cultivated lands.

*Distribution* : Dinajpur, South 24 Pgs. (Subhashgram), Bankura, Koch Bihar, Nadia, Jalpaiguri, Haora, Barddhaman, Hugli, Murshidabad and Medinipur.

1711. ***Piper boehmerifolium*** Wall. ex DC.

*Life form* : Shrubby climber.

*Distribution* : Darjiling.

1712. ***Piper longum*** L. (1753)

*Common name* : Pipla.

*Life form* : Shrubby climber.

*Habitat* : Rarely on dampy soil.

*Distribution* : Jalpaiguri, Hugli, Koch Bihar, Nadia, Maldah, Murshidabad, Haora, Kolkata, Bankura, North 24 Pgs. (Kazipara/Barasat), Medinipur and Birbhum.

1713. ***Piper mullesna*** D. Don

*Life form* : Shrubby climber.

*Distribution* : Darjiling.

1714. ***Piper nepalense*** Miq.

*Life form* : Shrubby climber.

*Distribution* : Darjiling.

1715. ***Piper pedicellosum*** Wall.

*Life form* : Undershrub.

*Distribution* : Darjiling.

1716. ***Piper peeplodes*** Roxb.

*Life form* : Shrubby climber.

*Distribution* : Darjiling.

Family LAURACEAE

1717. ***Actinodaphne sikkimensis*** Meisn.

*Life form* : Shrub.

*Distribution* : Darjiling.

1718. ***Cassytha filiformis*** L. (1753)

*Common name* : Akash bel.

*Life form* : Parasitic leafless twining herb.

*Distribution* : Jalpaiguri, Haora, Dinajpur, Nadia, South 24 Pgs. (Diamond Harbour), Koch Bihar and Hugli.

1719. ***Cinnamomum bejolghota*** (Buch.-Ham.) Sweet

*Life form* : Tree.

*Distribution* : Darjiling.

1720. ***Cinnamomum camphora*** T. Nees & Eberm. (1831)  
*Common name* : Karpur.  
*Life form* : Small to medium tree.  
*Habitat* : Very occasionally planted.  
*Distribution* : Jalpaiguri, Koch Bihar, Nadia, North 24 Pgs. (Panihati), Medinipur and Murshidabad.
1721. ***Cinnamomum impressinervium*** Meisn.  
*Life form* : Tree.  
*Distribution* : Darjiling.
1722. ***Cinnamomum obtusifolium*** T. Nees & Eberm. (1831)  
*Common name* : Ram-Tejpataor Kinton.  
*Life form* : Large tree.  
*Habitat* : Planted on village areas.  
*Distribution* : Maldah, Jalpaiguri, North 24 Pgs. (Bhebe, Birati), Hugli and Barddhaman.
1723. ***Cinnamomum tamala*** T. Nees & Eberm. (1831)  
*Common name* : Tejpata.  
*Life form* : Moderate sized tree.  
*Habitat* : Rarely planted.  
*Distribution* : North 24 Pgs. (Kadampur/Nabgram), Hugli, Medinipur, Nadia, Birbhum and Dinajpur.
1724. ***Cinnamomum zeylanicum*** Blun<sup>ie</sup> (1825)  
*Common name* : Dalchini or Daruchini.  
*Life form* : Tree.  
*Habitat* : Rarely cultivated.  
*Distribution* : South 24 Pgs. (Harinbari/Sagar Island).
1725. ***Litsaea elongata*** (T. Nees) Hook. f.  
*Life form* : Tree.  
*Distribution* : Darjiling.
1726. ***Litsea glutinosa*** (Lour.) Rob. (1911)  
*Common name* : Kukur-Chita.  
*Life form* : Medium tree.  
*Habitat* : Vill. shrubberies and thickets, everywhere.  
*Distribution* : Nadia, Murshidabad, North 24 Pgs. (Surjyapur, Naihati) and Jalpaiguri.
1727. ***Litsaea kingii*** Hook. f.  
*Life form* : Tree.  
*Distribution* : Darjiling.
1728. ***Litsea monopetala*** (Roxb.) Pers. (1807)  
*Common name* : Bara-kukur-chita.  
*Life form* : Medium tree.  
*Habitat* : Vill. thickets and shrubberies.  
*Distribution* : North 24 Pgs. (Bhebe, Dattapukur/Barasat), Hugli, Haora, Medinipur and Koch Bihar.
1729. ***Machilus edulis*** King ex Hook.f.  
*Life form* : Tree.  
*Distribution* : Darjiling.
1730. ***Neolitsaea cuipala*** (D. Don) Kosterm.  
*Life form* : Tree.  
*Distribution* : Darjiling.
1731. ***Neolitsaea foliosa*** (T. Nees) Gamble  
*Life form* : Tree.  
*Distribution* : Darjiling.
1732. ***Persea clarkeana*** (King ex Hook. f.) Kosterm.  
*Life form* : Tree.  
*Distribution* : Darjiling.
1733. ***Persea duthiei*** (King ex Hook.f.) Kosterm.  
*Life form* : Tree.  
*Distribution* : Darjiling.
1734. ***Persea gammieana*** (King ex Hook.f.) Kosterm.  
*Life form* : Tree.  
*Distribution* : Darjiling.
1735. ***Persea odoratissima*** (T. Ness) Kosterm.  
*Life form* : Tree.  
*Distribution* : Darjiling.

1736. *Phoebe lanceolata* (T. Nees) Nees  
*Life form* : Tree.  
*Distribution* : Darjiling.  
 Family PROTEACEAE
1737. *Grevillea robusta* A. Cunn. (1820)  
*Life form* : Robust tree.  
*Habitat* : Planted.  
*Distribution* : Koch Bihar, Birbhum, Jalpaiguri and South 24 Pgs.  
 Family LORANTHACEAE
1738. *Dendrophthoe falcata* (L.f.) Etting. (1872)  
*Common name* : Baramanda.  
*Life form* : Semi-parasitic herb.  
*Habitat* : Parasite on the *Ficus bengalensis*, *F. religiosa*, *Mangifera indica* and *Melia azaderachta*.  
*Distribution* : Bankura, South 24 Pgs. (Amtala, Rangabelia), Medinipur, Nadia, Koch Bihar, Murshidabad and Jalpaiguri.
1739. *Macrosolen cochinchinensis* (Lour.) var. Teigh. (1894)  
*Common name* : Chhota-Manda.  
*Life form* : Bushy shrub.  
*Habitat* : Semi-parasitic on the old trees.  
*Distribution* : Maldah, South 24 Pgs. (Maliddhar/Canning, Diamond Harbour), Jalpaiguri, Murshidabad and Hugli.
1740. *Scurrula elata* (Edgw.) Danser  
*Life form* : Stem parasite.  
*Distribution* : Darjiling.
1741. *Viscum articulatum* Burm.f. var. *liquidambaricolum* (Hayata) S.  
*Life form* : Stem parasite.  
*Distribution* : Darjiling.
1742. *Viscum monoicum* Roxb. (1832)  
*Common name* : Manda.  
*Life form* : Large shrub.  
*Habitat* : Parasitic on the trees of Sunderban mangrove forests.
- Distribution* : South 24 Pgs. (Harinbari/Sagar Island), Jalpaiguri, Murshidabad, Hugli, Koch Bihar, Medinipur and Puruliya.
1743. *Viscum orientale* Willd. (1806)  
*Common name* : Banda.  
*Life form* : Parasitic monoecious herb.  
*Habitat* : Commonly found on *Exoecaria agallocha*.  
*Distribution* : Koch Bihar, Nadia, Murshidabad, Maldah, Jalpaiguri, Bardhaman, South 24 Pgs. (Kulti) and Medinipur.  
 Family EUPHORBIACEAE
1744. *Acalypha hispida* Burm.f.  
*Life form* : Shrub.  
*Habitat* : Cultivated.  
*Distribution* : Kolkata, Nadia, Haora, Koch Bihar, South 24 Pgs. (Basanti, Amtala), Medinipur and Maldah.
1745. *Acalypha indica* L. (1753)  
*Common name* : Mukta-jhuri.  
*Life form* : Annual herb.  
*Habitat* : Moist waste lands.  
*Distribution* : Hugli, Maldah, Medinipur, Jalpaiguri, North 24 Pgs. (Maslandapur), Haora and Dinajpur.
1746. *Acalypha lanceolata* Willd. (1805)  
*Life form* : Herb.  
*Habitat* : Waste places, near the garbage-heaps.  
*Distribution* : Murshidabad, Koch Bihar and South 24 Pgs. (Dewanganj, Brace Bridge).
1747. *Aleurites fordii* Hem.  
*Life form* : Tree.  
*Distribution* : Darjiling.
1748. *Antidesma ghaesembilla* (*ghesaembilla*) Gaertn. (1788)  
*Common name* : Khundi-jam.  
*Life form* : Large shrub.

*Habitat* : Waste places & thickets.

*Distribution* : Jalpaiguri, Nadia, Maldah and South 24 Pgs. (Maslandapur).

1749. **Baliospermum montanum** (Willd.) Muell.-Arg. (1866)

*Common name* : Danti or Hakun.

*Life form* : Undershrub.

*Habitat* : Rarely found in marshy, shady and wastelaces.

*Distribution* : Jalpaiguri, South 24 Pgs. (Nurpur, Budge Budge), Koch Bihar and Murshidabad.

1750. **Bischofia javanica** Blume (1827)

*Common name* : Kain.

*Life form* : Medium tree.

*Habitat* : Thickets.

*Distribution* : Medinipur, Kolkata, South 24 Pgs. (Malatipur), Koch Bihar, Haora, Hugli, Murshidabad, Nadia, Maldah and Jalpaiguri.

1751. **Breynia rhamnoides** (Retz.) Muell.-Arg. (1866)

*Common name* : Kali-Sitki.

*Life form* : Shrub.

*Habitat* : Vill. shrubberies, hedges and river banks.

*Distribution* : Haora, Barddhaman, Birbhum, Dinajpur, South 24 Pgs. (Joynagar, Garia), Kolkata and Medinipur.

1752. **Bridelia stipularia** (L.) Blume (1825)

*Common name* : Harinhara.

*Life form* : Woody climber.

*Habitat* : Rarely in the waste lands.

*Distribution* : South 24 Pgs. (Diana/Salt Lake), Koch Bihar, Bankura and Puruliya.

1753. **Chrozophora rottleri** (Geis.) Klotzsch. ex Juss. (1824)

*Common name* : Khudi-Okra.

*Life form* : Annual herb.

*Habitat* : Sandy soil near the canals, river banks and roadside hedges.

*Distribution* : Hugli, Barddhaman, Medinipur, South 24 Pgs. (Garia, Ghoramara/Sagar Island), Maldah, Murshidabad and Jalpaiguri.

1754. **Codiaeum variegatum** Blume (1826)

*Common name* : Patabahar.

*Life form* : Shrub.

*Habitat* : Planted.

*Distribution* : Maldah, South 24 Pgs. (Amtala), Koch Bihar, Haora and Dinajpur.

1755. **Croton bonplandianum** Baill. (1864)

*Common name* : Jhunjhuni or Banlanka.

*Life form* : Herb or undershrub.

*Habitat* : Roadsides, railway tracks and waste places.

*Distribution* : Murshidabad, Maldah, Medinipur, Koch Bihar, Bankura, Kolkata, Barddhaman, Hugli, South 24 Pgs. (Fultala/Baruipur, Canning) and Birbhum.

1756. **Croton oblongifolius** Roxb. (1832)

*Common name* : Chucka.

*Life form* : Medium tree.

*Habitat* : Rarely found in the waste places.

*Distribution* : North 24 Pgs. (Nabagram).

1757. **Euphorbia antiquorum** L. (1753)

*Life form* : Shrub or small tree.

*Habitat* : Vill. Shrubberies, prefer dry soil.

*Distribution* : Murshidabad, Haora, Koch Bihar, Dinajpur, Jalpaiguri, South 24 Pgs. (Sagar Island), Medinipur and Barddhaman.

1758. **Euphorbia chamaesyce** L. (1753)

*Life form* : Annual herb.

*Habitat* : Rarely in the waste places.

*Distribution* : North 24 Pgs. (Taki, Kalyanpur), Nadia and Koch Bihar.

1759. **Euphorbia dracunculoides** Lam. (1786)

*Common name* : Chhagal Puputi.

*Life form* : Annual herb.

*Habitat* : Weed of cultivated lands.

*Distribution* : South 24 Pgs. (Tapsia) and Jalpaiguri.

1760. *Euphorbia geniculata* Orteg. (1797)

*Life form* : Annual herb.

*Habitat* : Moist waste places, along roadside thickets.

*Distribution* : Murshidabad, North 24 Pgs. (Naihati).

1761. *Euphorbia himalayensis* Klotz

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1762. *Euphorbia hirta* L. (1753)

*Common name* : Kerui.

*Life form* : Herb.

*Habitat* : Weed of cultivated lands, in waste places.

*Distribution* : South 24 Pgs. (Baruipur, Maslandapur), Dinajpur, Medinipur, Bankura, Puruliya, Kolkata, Maldah, Barddhaman, Hugli, Jalpaiguri, Nadia, Haora, Darjiling, Koch Bihar, Murshidabad and Birbhum.

1763. *Euphorbia milii* Desmoul (1826)

*Life form* : Shrub.

*Habitat* : Xerophytic, railway tracks, roadsides and river banks.

*Distribution* : North 24 Pgs. (Panihat) and Haora.

1764. *Euphorbia neriifolia* L.

*Common name* : Mansa Sij.

*Life form* : Shrub.

*Habitat* : Planted in the public gardens.

*Distribution* : Bankura, Koch Bihar, South 24 Pgs., Medinipur, Jalpaiguri, Maldah and Haora.

1765. *Euphorbia nivulia* Buch.-Ham. (1825)

*Common name* : Sij.

*Life form* : Shrub.

*Habitat* : Hedges and shrubberies.

*Distribution* : South 24 Pgs. (Rudranagar/Sagar Island) and Koch Bihar.

1766. *Euphorbia orbiculata* Kunth (1817)

*Common name* : Chhota Kerui.

*Life form* : Herb.

*Habitat* : Waste places.

*Distribution* : Haora, Murshidabad and South 24 Pgs. (Ghoramara/Sagar Island, Bamanpukur).

1767. *Euphorbia parviflora* L. (1759)

*Common name* : Dudhi.

*Life form* : Annual herb.

*Habitat* : Weed of the waste lands.

*Distribution* : South 24 Pgs. (Fultala/Baruipur, Canning), Jalpaiguri and Medinipur.

1768. *Euphorbia pulcherrima* Willd. ex Klotz (1834)

*Common name* : Lalpata.

*Life form* : Shrub.

*Habitat* : Cultivated.

*Distribution* : North 24 Pgs., Jalpaiguri.

1769. *Euphorbia thymifolia* L. (1753)

*Common name* : Swet-kerui.

*Life form* : Annual herb.

*Habitat* : Waste lands, river banks.

*Distribution* : Maldah, Nadia, Koch Bihar and South 24 Pgs. (Falta Fort).

1770. *Euphorbia tirucalli* L. (1753)

*Common name* : Lanka-sij.

*Life form* : Fleshy shrub or small tree.

*Habitat* : Hedges.

*Distribution* : Bankura, Haora, Dinajpur, Hugli, Jalpaiguri, Medinipur, South 24 Pgs. (Budge Budge), Koch Bihar, Kolkata, Puruliya and Maldah.

1771. *Excoecaria agallocha* L. (1759)

*Common name* : Gneo.

*Life form* : Medium tree.

*Habitat* : Mangrove associate, grow both in halophytic intertidal and in saline condition.

*Distribution* : Medinipur and South 24 Pgs. (Surjyapur, Naraharipur).

1772. *Excoecaria bicolor* (Hassk.) Retz. (1855)

*Common name* : Lata Gneo.

*Life form* : Shrub.

*Habitat* : River banks and mangrove forests of the inter-tidal areas.

*Distribution* : South 24 Pgs. (Sajnakhali).

1773. ***Glochidion acuminatum*** Muell.-Arg.

*Life form* : Tree.

*Distribution* : Darjiling.

1774. ***Jatropha curcas*** L. (1753)

*Common name* : Bagh-Bherenda.

*Life form* : Shrub.

*Habitat* : Hedge plant.

*Distribution* : Koch Bihar, Barddhaman, South 24 Pgs. (Canning/Bisonar), Bankura, Medinipur, Dinajpur, Kolkata, Jalpaiguri, Birbhum, Nadia, Haora and Murshidabad.

1775. ***Jatropha gossypifolia*** L. (1753)

*Common name* : Lal-Bherenda.

*Life form* : Shrub.

*Habitat* : Vill. shrubbries, roadsides.

*Distribution* : South 24 Pgs. (Bhangankhali) and North 24 Pgs. (Ultadanga).

1776. ***Macaranga pustulata*** King

*Life form* : Tree.

*Distribution* : Darjiling.

1777. ***Mallotus nepalensis*** Muell.-Arg.

*Life form* : Tree.

*Distribution* : Darjiling.

1778. ***Mallotus philippensis*** (Lam.)  
Muell.-Arg. (1865)

*Common name* : Tunj.

*Life form* : Small to medium sized tree.

*Habitat* : Along roadsides and waste lands.

*Distribution* : Bankura, Medinipur, Jalpaiguri, Hugli, Murshidabad, Maldah, Barddhaman, South 24 Pgs. (Ramnagar-Jugdha) and Koch Bihar.

1779. ***Mallotus rependus*** (Willd.) Muell.-  
Arg. (1865)

*Common name* : Akus.

*Life form* : Large scandent or sub-scandent dioecious shrub.

*Habitat* : On the hedges and vill. thickets.

*Distribution* : South 24 Pgs. (Garia).

1780. ***Micrococca mercurialis*** (L.) Benth.  
ex Hook. (1849)

*Life form* : Annual herb.

*Habitat* : Rarely on the railway tracks & roadsides.

*Distribution* : Nadia, Puruliya, North 24 Pgs. (Ichhapur), Haora, Darjiling, Murshidabad and Koch Bihar.

1781. ***Ostodes paniculata*** Blume

*Life form* : Tree.

*Distribution* : Darjiling.

1782. ***Pedilanthus tithymaloides*** (L.)  
Poir. (1812)

*Common name* : Rangchita.

*Life form* : Succulent shrub.

*Habitat* : Hedges and shrubberies.

*Distribution* : Haora, Barddhaman, Maldah, Murshidabad, South 24 Pgs. (Arbelia), Puruliya, Jalpaiguri, Hugli, Kolkata and Medinipur.

1783. ***Phyllanthus acidus*** (L.) Skeels (1909)

*Common name* : Nore or Note.

*Life form* : Small to medium tree.

*Habitat* : Rarely planted in the gardens.

*Distribution* : North 24 Pgs. (Shyamnagar).

1784. ***Phyllanthus asperulatus*** Hutch.  
(1920)

*Common name* : Bhui amla.

*Life form* : Annual herb.

*Habitat* : Waste lands and as weed of cultivated fields.

*Distribution* : Murshidabad, Maldah, Jalpaiguri and South 24 Pgs. (Dapdhapi).

1785. ***Phyllanthus emblica*** L. (1753)

*Common name* : Amlaki.

*Life form* : Small to moderate tree.

*Habitat* : Rarely planted.

*Distribution* : Dinajpur, Puruliya, Kolkata, South 24 Pgs. (Purandarpur/near Baruipur),

Nadia, Bankura, Barddhaman, Jalpaiguri, Darjiling, Birbhum, Murshidabad, Koch Bihar and Medinipur.

1786. ***Phyllanthus reticulatus*** Poir. (1804)

*Common name* : Panjuli.

*Life form* : Shrub.

*Habitat* : Thickets and hedges.

*Distribution* : Bankura, Birbhum, Hugli, Barddhaman, Darjiling, Medinipur, North 24 Pgs. (Jugdia-Benipur, Sanchura), Kolkata and Haora.

1787. ***Phyllanthus urinaria*** L. (1753)

*Common name* : Hazarmani.

*Life form* : Annual herb.

*Habitat* : Waste places.

*Distribution* : Medinipur, Dinajpur, Nadia, Koch Bihar, Murshidabad, Jalpaiguri, Darjiling, Hugli, Birbhum, Kolkata and North 24 Pgs. (Jugdia-Benipur, Dakshineswar).

1788. ***Phyllanthus virgatus*** Forst. f. (1786)

*Life form* : Herb.

*Habitat* : Rare weed on the cultivated lands and waste places.

*Distribution* : Barddhaman, Medinipur, South 24 Pgs. (Basanti), North 24 Pgs. (Taki), Darjiling, Jalpaiguri, Haora and Koch Bihar.

1789. ***Putranjiva roxburghii*** Wall. (1826)

*Common name* : Putranjiva.

*Life form* : Moderate to large tree.

*Habitat* : Ornamental avenue tree.

*Distribution* : Kolkata, Darjiling, Medinipur, Haora, North 24 Pgs. (Naihati), Birbhum, Koch Bihar, Jalpaiguri, Maldah, Hugli and Murshidabad.

1790. ***Ricinus communis*** L. (1753)

*Common name* : Redi or Rerri.

*Life form* : Small tree.

*Habitat* : Rarely planted, garden edges and waste lands, along railway tracks.

*Distribution* : South 24 Pgs. (Atghara/Madarhat), Kolkata, Puruliya, Medinipur, Hugli, Nadia, Jalpaiguri, Darjiling, Koch Bihar and Murshidabad.

1791. ***Sapium indicum*** Willd. (1805)

*Common name* : Hurnabatul.

*Life form* : Tree.

*Habitat* : Back mangrove species, ridge forests, roadsides.

*Distribution* : Murshidabad, South 24 Pgs. (Rangabelia), Koch Bihar and Nadia.

1792. ***Sapium sebiferum*** Roxb. (1832)

*Common name* : Manchina.

*Life form* : Small to moderate tree.

*Habitat* : Planted.

*Distribution* : Dinajpur, Hugli, South 24 Pgs. (Sagar Island), Maldah, Barddhaman and Birbhum.

1793. ***Sauropus pubescens*** Hook.f.

*Life form* : Shrub.

*Distribution* : Darjiling.

1794. ***Sauropus quadrangularis*** (Willd.)  
Muell.-Arg.

*Life form* : Shrub.

*Distribution* : Darjiling.

1795. ***Suregada multiflora*** (Juss.) Baill.  
(1858)

*Common name* : Ban-Naranga.

*Life form* : Tree.

*Habitat* : Scrub-jungles and moist places.

*Distribution* : Jalpaiguri, Maldah and South 24 Pgs. (Malancha, Bhangankhali).

1796. ***Synostemon bacciforme*** (L.)  
Webster (1960)

*Life form* : Annual, fleshy herb.

*Habitat* : Dampy places.

*Distribution* : Jalpaiguri, Hugli, Nadia, Maldah, South 24 Pgs. (Sagar Island) and Kolkata.

1797. ***Tragia hispida*** Willd. (1805)

*Life form* : Climber.

*Habitat* : Shrubberies, roadsides or along railway tracks.

*Distribution* : Nadia, Jalpaiguri, North 24 Pgs. (Goranbose), Medinipur and Hugli.

1798. ***Tragia involucrata*** L. (1753)

*Common name* : Bichhuti.

*Life form* : Stout herb.

*Habitat* : Waste lands.

*Distribution* : Kolkata, South 24 Pgs. (Baruipur, Canning), Jalpaiguri and Medinipur.

1799. ***Trewia nudiflora*** L. (1753)

*Common name* : Petali.

*Life form* : Medium tree.

*Habitat* : Common on salt soil of village surroundings.

*Distribution* : South 24 Pgs. (Sunderban, Gosaba, Bhebe/near Basirhat), Medinipur, Jalpaiguri and Koch Bihar.

Family ULMACEAE

1800. ***Trema orientalis*** (L.) Blume (1856)

*Common name* : Jilan or Chikan.

*Life form* : Small to medium tree.

*Habitat* : Along railway tracks, waste lands, vill. thickets and shrubberies.

*Distribution* : Kolkata, Medinipur, Maldah, Murshidabad, North 24 Pgs. (Dakshin Barasat), Jalpaiguri, Hugli, Koch Bihar, Bardhaman, Nadia and Birbhum.

Family URTICACEAE

1801. ***Boehmeria platyphylla*** D. Don

*Life form* : Shrub.

*Distribution* : Darjiling.

1802. ***Chamabainia cuspidata*** Wight

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1803. ***Debregesia longifolia*** (Burm.f.)  
Wedd.

*Life form* : Shrub.

*Distribution* : Darjiling.

1804. ***Debregesia salicifolia*** (D. Don)  
Rendle

*Life form* : Shrub.

*Distribution* : Darjiling.

1805. ***Debregesia wallichiana*** Wedd.

*Life form* : Shrub.

*Distribution* : Darjiling.

1806. ***Elatostema cuneatum*** Wight (1853)

*Life form* : Annual herb.

*Habitat* : Rarely on shdy areas.

*Distribution* : Jalpaiguri, Hugli, Nadia, Darjiling, Koch Bihar, Murshidabad, North 24 Pgs. (Beliachandi) and Medinipur.

1807. ***Elatostema dissectum*** Wedd.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1808. ***Elatostema hookerianum*** Wedd.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1809. ***Elatostema monandrum*** (Buch-Ham. ex D. Don) Hara

*Life form* : Annual herb.

*Distribution* : Darjiling.

1810. ***Elatostema obtusum*** Wedd.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1811. ***Elatostema rupestre*** (Buch-Ham. ex D. Don) Wedd.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1812. ***Elatostema sessile*** Forster

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1813. ***Elatostema sikkimensis*** C.B. Clarke

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1814. ***Fleurya interrupta*** (L.) Gaud. (1826)

*Common name* : Lal-Bichuti.

*Life form* : Perennial herb.

*Habitat* : Dampy waste places, roadsides, old walls.

*Distribution* : Maldah, Kolkata, Medinipur, Hugli, Jalpaiguri, Haora, Koch Bihar, Dinajpur, North 24 Pgs. (Madhyampur/near Taki) and Birbhum.



1815. *Girardiana diversifolia* (Link) Friss  
*Life form* : Shrub.  
*Distribution* : Darjiling.
1816. *Gonostegia hirta* (Blume) Miq.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1817. *Laportea terminalis* Wight  
*Life form* : Undershrub.  
*Distribution* : Darjiling.
1818. *Leucanthus peduncularis* (Royle)  
 Wedd.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1819. *Oreocnide frutescens* (Thunb.) Miq.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
1820. *Pilea anisophylla* Wedd.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1821. *Pilea approximata* C.B. Clarke  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
1822. *Pilea bracteosa* Wedd. var.  
*bracteosa*  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1823. *Pilea bracteosa* Wedd. var. *oxydon*  
 (Wedd.) Hara  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1824. *Pilea microphylla* (L.) Liebm. var.  
*microphylla* (1851)  
*Common name* : Gun-powder Plant.  
*Life form* : Very minute herb.  
*Habitat* : Dampy areas & old brick walls.  
*Distribution* : North 24 Pgs. (Dakshin Barasat), Jalpaiguri, Darjiling, Koch Bihar, Haora, Dinajpur and Nadia.
1825. *Pilea microphylla* (L.) Liebm. var.  
*symmeria* Wedd.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
1826. *Pilea microphylla* (L.) Liebm. var.  
*umbrosa* Wedd.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1827. *Pilea microphylla* (L.) Liebm. var.  
*wightii* Wedd.  
*Life form* : Epiphytic herb.  
*Distribution* : Darjiling.
1828. *Procris crenulata* C.B. Rob  
*Life form* : Shrub.  
*Distribution* : Darjiling.
1829. *Pouzolzia zeylanica* (L.) Burm. f.  
 (1828)  
*Life form* : Herb.  
*Habitat* : Common weed of waste places & garden edges.  
*Distribution* : Koch Bihar, Medinipur, Kolkata, Puruliya, Bankura, North 24 Pgs. (Dhopagachi, Benipur), Maldah, Haora, Jalpaiguri, Nadia, Birbhum, Dinajpur, Murshidabad, Hugli, Barddhaman and Darjiling.
1830. *Urtica ardens* Link  
*Life form* : Shrub.  
*Distribution* : Darjiling.
1831. *Urtica dioica* L.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
- Family: Moraceae
1832. *Artocarpus heterophyllus* Lam.  
 (1789)  
*Common name* : Kanthal.  
*Life form* : Large tree.  
*Habitat* : Self grown in the orchards.  
*Distribution* : Medinipur, Hugli, Maldah, Kolkata, South 24 Pgs. (Amtala), Koch Bihar, Barddhaman, Nadia and Birbhum.

1833. **Artocarpus lakoccha** Roxb. (1832)  
*Common name* : Dephal.  
*Life form* : Tree.  
*Habitat* : Vill. shrubberies.  
*Distribution* : Jalpaiguri, Dinajpur, Koch Bihar, Puruliya, South 24 Pgs. (Chemaguri/Sagar Island).
1834. **Broussonetia papyrifera** Vent.  
*Life form* : Small tree.  
*Habitat* : Planted.  
*Distribution* : South 24 Pgs. and Jalpaiguri.
1835. **Ficus benghalensis** L. (1753)  
*Common name* : Bat or Bar.  
*Life form* : Large tree.  
*Habitat* : Roadsides and vicinity of temples.  
*Distribution* : Dinajpur, South 24 Pgs. (Canning), Bardhaman, Darjiling, Birbhum, Koch Bihar, Hugli, Maldah, Kolkata, Haora, Bankura, Jalpaiguri, Puruliya, Murshidabad, Nadia and Medinipur.
1836. **Ficus benjamina** L. var. **comosa**  
 Kurz  
*Life form* : Tree.  
*Habitat* : Avenue tree.  
*Distribution* : South 24 Pgs. (Bamanpukur/Minakhan), Jalpaiguri and Koch Bihar.
1837. **Ficus elastica** Roxb. (1832)  
*Common name* : Attah-bar.  
*Life form* : Large tree.  
*Habitat* : Rarely planted.  
*Distribution* : Medinipur, Kolkata, Maldah, Koch Bihar, Murshidabad, Hugli and North 24 Pgs. (Bahuru).
1838. **Ficus hetrophylla** L. f. (1781)  
*Common name* : Gaori-Sheora.  
*Life form* : Shrub.  
*Habitat* : Dampy areas or near water courses.  
*Distribution* : Dinajpur, South 24 Pgs. (Budge Budge), Maldah, Jalpaiguri, Haora and Medinipur.
1829. **Ficus hispida** L. f. (1781)  
*Common name* : Dumur.  
*Life form* : Shrub or small tree.  
*Habitat* : Vill. thickets, hedges.  
*Distribution* : Murshidabad, Birbhum, Bardhaman, Kolkata, Nadia, Koch Bihar, Medinipur and South 24 Pgs. (Piyalinagar/Baruipur).
1840. **Ficus hookeriana** Corner  
*Life form* : Tree.  
*Distribution* : Darjiling.
1841. **Ficus microcarpa** L. f. (1781)  
*Common name* : Jir-Kamrup.  
*Life form* : Tree.  
*Habitat* : Rare on the vill. shrubberies.  
*Distribution* : South 24 Pgs. (Sunderban, Tapsia).
1842. **Ficus nerifolia** J. E. Sm.  
*Life form* : Tree.  
*Distribution* : Darjiling.
1843. **Ficus oligodon** Miq.  
*Life form* : Tree.  
*Distribution* : Darjiling.
1844. **Ficus racemosa** L. (1753)  
*Common name* : Jagha Dumur.  
*Life form* : Medium to large tree.  
*Habitat* : Vill. shrubberies, sides of vill. Ponds or ditches.  
*Distribution* : Jalpaiguri, South 24 Pgs. (Satzelia), Murshidabad, Dinajpur and Maldah.
1845. **Ficus religiosa** L. (1753)  
*Common name* : Aswatha.  
*Life form* : Large tree.  
*Habitat* : Vill. shrubberies, jungles, sometimes epiphytic in nature.  
*Distribution* : Medinipur, Nadia, South 24 Pgs. (Jugdia-Benipur), Kolkata, Puruliya, Koch Bihar, Bankura, Haora, Birbhum, Darjiling, Hugli, Bardhaman, Jalpaiguri, Murshidabad, Dinajpur and Maldah.

1846. ***Ficus rumphii*** Blume (1825)

*Common name* : Gaiaswattha.

*Life form* : Large tree.

*Habitat* : Vill. shrubberies.

*Distribution* : South 24 Pgs. (Nurpur), Nadia, Koch Bihar, Murshidabad, Medinipur and Barddhaman.

1847. ***Ficus semicordata*** Buch.-Ham. ex Sm. (1810)

*Common name* : Jagya Dumur.

*Life form* : Tree.

*Habitat* : Vill. shrubberies.

*Distribution* : Darjiling, North 24 Pgs. (Beliachandi) and Jalpaiguri.

1848. ***Ficus virens*** Aiton (1789)

*Common name* : Pakur.

*Life form* : Large tree.

*Habitat* : Vill. shrubberies.

*Distribution* : Maldah and South 24 Pgs. (Durgapur).

1849. ***Morus australis*** Poir.

*Life form* : Shrub.

*Distribution* : Darjiling.

1850. ***Morus indica*** L. (1753)

*Common name* : Tut.

*Life form* : Monoecious tree.

*Habitat* : Rarely planted.

*Distribution* : Maldah, Jalpaiguri, Hugli, Murshidabad, Medinipur, Birbhum, Dinajpur, Barddhaman, Koch Bihar, Nadia, North 24 Pgs. (Dandirhat/Taki), Bankura and Kolkata.

1851. ***Morus macroura*** Miq.

*Life form* : Tree.

*Distribution* : Darjiling.

1852. ***Streblus asper*** Lour. (1790)

*Common name* : Sheora.

*Life form* : Rigid shrub.

*Habitat* : Hedges and vill. shrubbries.

*Distribution* : South 24 Pgs. ( Budge Budge).

Family CANNABACEAE

1853. ***Cannabins sativa*** L. (1753)

*Common name* : Ganga, Bhang or Siddhi.

*Life form* : Annual herb.

*Habitat* : Cultivated but under control.

*Distribution* : Nadia, Puruliya, Bankura, Kolkata, South 24 Pgs., Medinipur, Murshidabad, Koch Bihar, Jalpaiguri, Birbhum, Hugli, Darjiling, Barddhaman, Maldah and Dinajpur.

Family CASURINACEAE

1854. ***Casuarina equisetifolia*** L. ex J. R. & G. Foster (1776)

*Life form* : Tree.

*Habitat* : Coastal areas.

*Distribution* : Haora, Puruliya, Murshidabad, Jalpaiguri, Barddhaman, Maldah, Nadia, Koch Bihar, Hugli, Dinajpur, Darjiling, Bankura, South 24 Pgs. (Sunderban, Bakkhali, Frasergunj, Kakdwip, Reserve forest of Sunderban, Sagar Island), Medinipur, Kolkata and Birbhum.

Family CERATOPHYLLACEAE

1855. ***Ceratophyllum demersum*** L. (1753)

*Common name* : Jhanji.

*Life form* : Submerged, aquatic herb.

*Habitat* : Common in lakes, ponds and marshes, associated with *Hydrilla verticillata*.

*Distribution* : Kolkata, Maldah, Jalpaiguri, Dinajpur, Barddhaman, South 24 Pgs. (Magrahat), Bankura, Hugli, Medinipur, Nadia, Koch Bihar and Murshidabad.

Family ACERACEAE

1856. ***Acer campbellii*** Hook.f. et.Thoms.

*Life form* : Tree.

*Distribution* : Darjiling.

1857. ***Acer cappnodicum*** Gleditach

*Life form* : Tree.

*Distribution* : Darjiling.

1858. ***Acer caudatum*** Wall.

*Life form* : Tree.

*Distribution* : Darjiling.

1859. *Acer hookeri* Miq.  
Life form : Tree.  
Distribution : Darjiling.
1860. *Acer laevigatum* Wall.  
Life form : Tree.  
Distribution : Darjiling.
1861. *Acer oblongum* Wall.ex DC.  
Life form : Tree.  
Distribution : Darjiling.
1862. *Acer osmastonii* Gamble  
Life form : Tree.  
Distribution : Darjiling.
1863. *Acer palmatum* Thunb.  
Life form : Tree.  
Distribution : Darjiling.
1864. *Acer pectinatum* Wall. ex Pax  
Life form : Tree.  
Distribution : Darjiling.
1865. *Acer sikkimense* Miq.  
Life form : Tree.  
Distribution : Darjiling.
1866. *Acer stachyophyllum* Hien.  
Life form : Tree.  
Distribution : Darjiling.
1867. *Acer sterculiaceum* Wall.  
Life form : Tree.  
Distribution : Darjiling.
1868. *Acer thomsonii* Miq.  
Life form : Tree.  
Distribution : Darjiling.
- Family ACTINIDIACEAE
1869. *Actinidia strigosa* Hook. f. & Thoms.  
Life form : Climber.  
Distribution : Darjiling.
1870. *Alangium alpinum* (Cl.) W.W. Smith  
Life form : Tree.  
Distribution : Darjiling.
- Family AQUIFOLIACEAE
1871. *Ilex depyrena* Wall.  
Life form : Tree.  
Distribution : Darjiling.
1872. *Ilex fragilis* Hook. f.  
Life form : Tree.  
Distribution : Darjiling.
1873. *Ilex insignis* Hook. f.  
Life form : Tree.  
Distribution : Darjiling.
- Family BERBERIDACEAE
1874. *Berberis aristata* DC.  
Life form : Shrub.  
Distribution : Darjiling.
1875. *Berberis desyclada* Ahrendt  
Life form : Shrub.  
Distribution : Darjiling.
1876. *Berberis insignis* Hook. f. & Thoms.  
Life form : Shrub.  
Distribution : Darjiling.
1877. *Berberis wallichiana* DC.  
Life form : Shrub.  
Distribution : Darjiling.
1878. *Mahonia acanthifolia* G. Don  
Life form : Shrub.  
Distribution : Darjiling.
- Family BETULACEAE
1879. *Alnus nepalensis* D. Don  
Life form : Tree.  
Distribution : Darjiling.
1880. *Betula alnoides* Buch.-Ham. ex D. Don  
Life form : Tree.  
Distribution : Darjiling.
- Family BUDDLEJACEAE
1881. *Buddleja asiatica* Lour.  
Life form : Shrub.  
Distribution : Darjiling.

1882. *Buddleja davidi* Franch.  
Life form : Shrub.  
Distribution : Darjiling.
1883. *Buddleja paniculata* Wall.  
Life form : Shrub.  
Distribution : Darjiling.  
Family CALLITRICHACEAE
1884. *Callitriche stagnalis* Scop  
Life form : Annual herb.  
Distribution : Darjiling.  
Family CAPRIFOLIACEAE
1885. *Abelia serrata* Sieb. & Zucc.  
Life form : Shrub.  
Distribution : Darjiling.
1886. *Leycesteria formosa* Wall.  
Life form : Shrub.  
Distribution : Darjiling.
1887. *Leycesteria stipulata* (Hook. f. & Thoms.) Fritsch  
Life form : Shrub.  
Distribution : Darjiling.
1888. *Lonicera glabrata* Wall.  
Life form : Shrubby climber.  
Distribution : Darjiling.
1889. *Lonicera japonica* Thunb.  
Life form : Shrubby climber.  
Distribution : Darjiling.
1890. *Viburnum coreaceum* Blume  
Life form : Shrub.  
Distribution : Darjiling.  
Family CARLEMANNIACEAE
1891. *Carlemannia conjestata* Hook. f.  
Life form : Perennial herb.  
Distribution : Darjiling.
1892. *Carlemannia griffithii* Benth.  
Life form : Perennial herb.  
Distribution : Darjiling.
- Family COBAEACEAE
1893. *Cobaea scandens* Cav  
Life form : Shrubby climber.  
Distribution : Darjiling.
- Family CORNACEAE
1894. *Aucuba himalaica* Hook.f. & Thoms.  
Life form : shrub or small tree.  
Distribution : Darjiling.
1895. *Benthamidia capitata* (Wall.) Hara  
Life form : Shrubby climber.  
Distribution : Darjiling.
1896. *Cornus capitata* Wall. ex. Roxb.  
Life form : Small tree.  
Distribution : Darjiling.
1897. *Cornus macrophylla* Wall.  
Life form : Tree.  
Distribution : Darjiling.
1898. *Helwingea himalaica* Hook. f. & Thoms.  
Life form : Shrub.  
Distribution : Darjiling.  
Family DAPHNIPHYLLACEAE
1899. *Daphniphyllum himalayense* Muell.-Arg.  
Life form : Tree.  
Distribution : Darjiling.  
Family DIPSACECEAE
1900. *Dipsacus atratus* Hook. f. & Thoms.  
Life form : Annual herb.  
Distribution : Darjiling.  
Family FAGACEAE
1901. *Castanopsis hystrix* D. Don  
Life form : Tree.  
Distribution : Darjiling.
1902. *Castanopsis tribuloides* (Sm.) A. DC.  
Life form : Tree.  
Distribution : Darjiling.

1903. *Lithocarpus grandiflora* (D. Don)  
S. N. Biswas

*Life form* : Tree.

*Distribution* : Darjiling.

1904. *Lithocarpus pachyphylla* (Kurz.)  
Rehder

*Life form* : Tree.

*Distribution* : Darjiling.

1905. *Quercus dentata* Thunb.

*Life form* : Tree.

*Distribution* : Darjiling.

1906. *Quercus glauca* Thunb.

*Life form* : Tree.

*Distribution* : Darjiling.

1907. *Quercus lamellosa* Sm.

*Life form* : Tree.

*Distribution* : Darjiling.

1908. *Quercus lineata* Blume var. *lineata*

*Life form* : Tree.

*Distribution* : Darjiling.

1909. *Quercus lineata* Blume var.  
*oxydon* (Miq.) Wenz.

*Life form* : Tree.

*Distribution* : Darjiling.

1910. *Quercus lineata* Blume var.  
*thomsoniana* (A. DC.) Wenz

*Life form* : Tree.

*Distribution* : Darjiling.

1911. *Quercus semicarpifolia* Sm.

*Life form* : Tree.

*Distribution* : Darjiling.

Family GENTIANACEAE

1912. *Gentiana argentea* (D. Don) C.B.  
Clarke

*Life form* : Annual herb.

*Distribution* : Darjiling.

1913. *Gentiana bryoides* Burkhill

*Life form* : Annual herb.

*Distribution* : Darjiling.

1914. *Gentiana capitata* Buch.-Ham. ex D.  
Don

*Life form* : Annual herb.

*Distribution* : Darjiling.

1915. *Gentiana inflex* C.B. Clarke

*Life form* : Annual herb.

*Distribution* : Darjiling.

1916. *Gentiana micans* C. B. Clarke

*Life form* : Annual herb.

*Distribution* : Darjiling.

1917. *Gentiana pedicellata* (D. Don) Wall.  
ex Griseb

*Life form* : Annual herb.

*Distribution* : Darjiling.

1918. *Gentiana speciosa* (Wall.) Marq.

*Life form* : Climber.

*Distribution* : Darjiling.

1919. *Halenia elliptica* D. Don

*Life form* : Annual herb.

*Distribution* : Darjiling.

1920. *Swertia bimaculata* (Sieb & Zucc.)  
Hook. f. & Thoms.

*Life form* : Annual herb.

*Distribution* : Darjiling.

1921. *Swertia chirayita* (Roxb.) Karston

*Life form* : Annual herb.

*Distribution* : Darjiling.

1922. *Swertia ciliata* (D. Don ex G. Don)  
B.L. Burtt

*Life form* : Annual herb.

*Distribution* : Darjiling.

1923. *Swertia dialata* C. B. Clarke

*Life form* : Annual herb.

*Distribution* : Darjiling.

1924. *Swertia nervosa* (D. Don) C. B.  
Clarke

*Life form* : Annual herb.

*Distribution* : Darjiling.

1925. *Swertia tonglensis* Burkill  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1926. *Tripterospermum volubile* (D. Don) Hara  
*Life form* : Climber.  
*Distribution* : Darjiling.  
 Family GERANIACEAE
1927. *Geranium donianum* Sweet  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1928. *Geranium napaulense* Sweet  
*Life form* : Annual herb.  
*Distribution* : Darjiling.  
 Family GESNERIACEAE
1929. *Achimenes longiflora* DC.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1930. *Aeschynanthes acuminatus* Wall. ex DC.  
*Life form* : Epiphytic undershrub.  
*Distribution* : Darjiling.
1931. *Aeschynanthes bracteatus* Wall. ex DC.  
*Life form* : Epiphytic undershrub.  
*Distribution* : Darjiling.
1932. *Aeschynanthes hookeri* C.B. Clarke  
*Life form* : Epiphytic undershrub.  
*Distribution* : Darjiling.
1933. *Aeschynanthes parviflorus* (D. Don) Spreng.  
*Life form* : Epiphytic undershrub.  
*Distribution* : Darjiling.
1934. *Chirita clarkei* Hook. f.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1935. *Chirita macrophylla* Wall.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1936. *Chirita primulacea* C. B. Clarke  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1937. *Chirita pumila* D. Don  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1938. *Didymocarpus albicalyx* C.B. Clarke  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1939. *Didymocarpus aromaticus* Wall. ex D. Don  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1940. *Didymocarpus oblonga* Wall. ex D. Don  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1941. *Didymocarpus podocarpus* C.B. Clarke  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1942. *Didymocarpus pulcher* C. B. Clarke  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1943. *Didymocarpus villosus* D. Don  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1944. *Loxostigma griffithii* (Wight) C.B. Clarke  
*Life form* : Undershrub.  
*Distribution* : Darjiling.
1945. *Loxostigma kurzii* (C.B. Clarke) B.L. Burt  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
1946. *Lysionotus serratus* D. Don  
*Life form* : Epiphytic undershrub.  
*Distribution* : Darjiling.
1947. *Rhynchoglossum obliquum* Blume  
*Life form* : Annual herb.  
*Distribution* : Darjiling.

## Family HAMAMELIDACEAE

1948. *Exbucklandia populnea* (R. Br. ex Griff.) R. W. Br.

*Life form* : Tree.

*Distribution* : Darjiling.

## Family HIPPOCASTANACEAE

1949. *Aesculus indica* (Camb.) Hook. f.

*Life form* : Tree.

*Distribution* : Darjiling.

## Family HYDRANGEACEAE

1950. *Deutzia compacta* Craib

*Life form* : Shrub.

*Distribution* : Darjiling.

1951. *Deutzia crenata* Seib. & Zucc.

*Life form* : Shrub.

*Distribution* : Darjiling.

1952. *Deutzia staminea* R. Br. ex Wall.

*Life form* : Shrub.

*Distribution* : Darjiling.

1953. *Dichroa febrifuga* Lour

*Life form* : Shrub.

*Distribution* : Darjiling.

1954. *Hydrangea anomala* D. Don

*Life form* : Shrubby climber.

*Distribution* : Darjiling.

1955. *Hydrangea macrophylla* (Thunb.) Seringe

*Life form* : Shrub.

*Distribution* : Darjiling.

1956. *Hydrangea robusta* Hook. f. & Thoms.

*Life form* : Shrub.

*Distribution* : Darjiling.

## Family HYPERICACEAE

1957. *Hypericum elodioides* Choisy

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1958. *Hypericum himalaicum* N. Robson

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1959. *Hypericum hookerianum* Wight & Arn.

*Life form* : Shrub.

*Distribution* : Darjiling.

1960. *Hypericum japonicum* Thunb. ex Murray

*Life form* : Annual herb.

*Distribution* : Darjiling.

1961. *Hypericum petiolulatum* Hook. f. ex Dyer

*Life form* : Annual herb.

*Distribution* : Darjiling.

1962. *Hypericum uralum* Buch.-Ham. ex D. Don

*Life form* : Shrub.

*Distribution* : Darjiling.

## Family HYPOXIDACEAE

1963. *Curculigo capitulata* (Lour.) O. Kuntze

*Life form* : Shrub.

*Distribution* : Darjiling.

1964. *Curculigo crassifolia* (Baker) Hook. f.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1965. *Hypoxis aurea* Lour.

*Life form* : Geophyte.

*Distribution* : Darjiling.

## Family JUNACEAE

1966. *Juncus bufonius* L.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1967. *Juncus effusus* L.

*Life form* : Annual herb.

*Distribution* : Darjiling.

1968. *Juncus leschnaultii* Gay

*Life form* : Annual herb.

*Distribution* : Darjiling.



1969. *Juncus ochraceus* Buchenau  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
- DICOTYLEDONS
- Family LARDIZABALACEAE
1970. *Holboelia latifolia* Wall. var.  
*latifolia*  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.
1971. *Holboelia latifolia* Wall. var.  
*angustifolia* (Wall.) Hook. f.  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.
1972. *Urticularia striatula* Sm.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
- Family LOBELIACEAE
1973. *Lobelia pyramidalis* Wall.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1974. *Pratia montana* (Reinw.) Hassak.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
1975. *Pratia nummularia* (Lam.) A. Br. &  
Ascher  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
- Family MONOTROPACEAE
1976. *Monotropa uniflora* L.  
*Life form* : Saprophyte.  
*Distribution* : Darjiling.
- Family NANDINACEAE
1977. *Nandina domestica* Thunb.  
*Life form* : Shrub.  
*Distribution* : Darjiling.
1978. *Passiflora edulis* Sims  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.
- Family PASSIFLORACEAE
1979. *Passiflora nepalensis* Wall.  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.
- Family PHYTOLACEACEAE
1980. *Phytolacca acinosa* Roxb.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
- Family PLATANACEAE
1981. *Platanus orientalis* L.  
*Life form* : Tree.  
*Distribution* : Darjiling.
- Family PODOSTEMACEAE
1982. *Hydrobryum griffithii* (Wall.)  
Tulasne  
*Life form* : Aquatic annual.  
*Distribution* : Darjiling.
- Family PORTULACACEAE
1983. *Portulaca oleracea* L.  
*Life form* : Annual herb.  
*Distribution* : South 24 Pgs. (Suparibhanga/  
Sunderban) and Darjiling.
- Family SABIACEAE
1985. *Meliosma pinnata* (Roxb.) Maxim  
*Life form* : Tree.  
*Distribution* : Darjiling.
1985. *Meliosma dilleniaefilia* (Wall. ex  
Wight & Arn. Walp.)  
*Life form* : Tree.  
*Distribution* : Darjiling.
1986. *Meliosma simplicifolia* (Roxb.) Walp.  
*Life form* : Tree.  
*Distribution* : Darjiling, Jalpaiguri and Koch  
Bihar
1987. *Sabia campanulata* Wall.  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.
1988. *Sabia leptandra* Hook. f. et Thoms.  
*Life form* : Shrubby climber.  
*Distribution* : Darjiling.

1989. ***Sabia limoniacea*** Wall. ex Hook.f. & Thoms.

*Life form* : Woody climber.

*Distribution* : Jalpaiguri.

1990. ***Sabia paniculata*** Edgew. ex Hook. f. & Thoms.

*Life form* : Climber.

*Distribution* : Jalpaiguri.

1991. ***Sabia parviflora*** Wall

*Life form* : Scandent shrub.

*Distribution* : Darjiling.

1992. ***Sabia purpurea*** Hook.f. & Thoms.

*Life form* : Shrub or climber.

*Distribution* : Darjiling.

Family SALICACEAE

1993. ***Salix babylonica*** Wall. ex Royle

*Life form* : Tree.

*Distribution* : Darjiling.

Family SAMBUCACEAE

1994. ***Sambucus canadensis*** L.

*Life form* : Shrub.

*Distribution* : Darjiling.

1995. ***Sambucus hookeri*** Rehder

*Life form* : Shrub.

*Distribution* : Darjiling.

Family SANTALACEAE

1996. ***Dufrenoya granulata*** (Hook. f. & Thoms. ex DC.) Stauf.

*Life form* : Epiphytic shrub.

*Distribution* : Darjiling.

1997. ***Pyrularia edulis*** (Wall.) DC.

*Life form* : Tree.

*Distribution* : Darjiling.

Family SAURURACEAE

1998. ***Hottuynia cordata*** Thunb.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

1999. ***Saurauia fasciculata*** Wall.

*Life form* : Tree.

*Distribution* : Darjiling.

Family SAURAUICEAE

2000. ***Saurauia napaulensis*** DC.

*Life form* : Tree.

*Distribution* : Darjiling.

2001. ***Saurauia punduana*** Wall.

*Life form* : Tree.

*Distribution* : Darjiling.

2002. ***Saurauia roxbughii*** Wall.

*Life form* : Tree.

*Distribution* : Darjiling and Jalpaiguri.

Family SAXIFRAGACEAE

2003. ***Astilbe rivularis*** Buch.-Ham.

*Life form* : Undershrub.

*Distribution* : Darjiling.

2004. ***Bergenia ciliata*** (Buch.-Ham) Sternb.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

2005. ***Chrysozplenium nepalense*** D. Don

*Life form* : Perennial herb.

*Distribution* : Darjiling.

2006. ***Philadelphus tomentosus*** Wall. ex G. Don

*Life form* : Shrub.

*Distribution* : Darjiling.

2007. ***Saxifraga sarmontosa*** L.f.

*Life form* : Perennial herb.

*Distribution* : Darjiling.

Family SCHISANDRACEAE

2008. ***Schisandra grandiflora*** (Wall.) Hook. f. & Thoms.

*Life form* : Shrubby climber.

*Distribution* : Darjiling.

2009. ***Schisandra neglecta*** A. C. Smith

*Life form* : Shrubby climber.

*Distribution* : Darjiling.

2010. ***Schisandra propinqua*** (Wall.) Ball.

*Life form* : Shrubby climber.

*Distribution* : Darjiling.

## Family STAPHYLEACEAE

2011. *Turpinia cochinchensis* (Lour.)  
Merr.

*Life form* : Shrub or small tree.

*Distribution* : Darjiling.

2012. *Turpinia pomifera* (Roxb.) DC.

*Life form* : Tree.

*Distribution* : Darjiling.

## Family STYRICACEAE

2013. *Styrax hookeri* C. B. Clarke

*Life form* : Tree.

*Distribution* : Darjiling.

2014. *Styrax serrulatus* Roxb.

*Life form* : Tree.

*Distribution* : Darjiling.

## Family SYMPLOCACEAE

2015. *Symplocos cochinchinensis*  
(Lour.) S. Moore

*Life form* : Tree.

*Distribution* : Darjiling.

2016. *Symplocos glomerata* King ex C.B.  
Clarke

*Life form* : Tree.

*Distribution* : Darjiling.

2017. *Symplocos lucida* (Thunb.) Sieb &  
Zucc.

*Life form* : Tree.

*Distribution* : Darjiling.

2018. *Symplocos ramosissima* Wall. ex  
G. Don

*Life form* : Tree.

*Distribution* : Darjiling.

2019. *Symplocos theaefolia* D. Don

*Life form* : Tree.

*Distribution* : Darjiling.

## Family THEACEAE

2020. *Camelia kissi* Wall.

*Life form* : Shrub.

*Distribution* : Darjiling.

2021. *Camelia sinensis* (L.) O. Kuntze

*Life form* : Shrub.

*Distribution* : Darjiling.

2022. *Eurya acuminata* DC.

*Life form* : Tree.

*Distribution* : Darjiling.

2023. *Eurya japonica* Thunb.

*Life form* : Shrub.

*Distribution* : Jalpaiguri.

2024. *Eurya cerassifolia* (D. Don)  
Kobuski

*Life form* : Tree.

*Distribution* : Darjiling.

2025. *Schima wallichii* (DC.) Korth.

*Life form* : Tree.

*Distribution* : Darjiling.

## Family THYMELIACEAE

2026. *Daphne bholua* Buch.-Ham. ex D.  
Don

*Life form* : Shrub.

*Distribution* : Darjiling.

2027. *Daphne glacialis* (Sm. & Cav.) A.P.  
Das & Chanda

*Life form* : Shrub.

*Distribution* : Darjiling.

2028. *Daphne involucrata* Wall.

*Life form* : Shrub.

*Distribution* : Darjiling.

2029. *Daphne sureil* W. W. Sm.

*Life form* : Shrub.

*Distribution* : Darjiling.

2030. *Edgwarthia gardnerii* (Wall.)  
Meisner

*Life form* : Tree.

*Distribution* : Darjiling.

## Family UMBELLIFERAE

2031. *Bupleurum hamiltonii* Balak.

*Life form* : Annual herb.

*Distribution* : Darjiling.

2032. ***Centella asiatica*** (L.) Urban  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
2033. ***Chaerophyllum reflexum*** Lindl.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
2034. ***Heracleum nepalense*** D. Don  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
2035. ***Hydrocotyle himalaica*** P. K. Mukherjee  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
2036. ***Hydrocotyle nepalensis*** Hook.  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
2037. ***Hydrocotyle sibthorpioides*** Lam  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
2038. ***Oenanthe thomsonii*** C. B. Clarke  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
2039. ***Pimpinella diversifolia*** DC.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
2040. ***Sanicula elata*** Buch.-Ham.  
*Life form* : Suffrutescent herb.  
*Distribution* : Darjiling.
2041. ***Selinum tenuifolium*** Wall. ex C. B. Clarke  
*Life form* : Perennial herb.  
*Distribution* : Darjiling.
- Family VACCINIACEAE
2042. ***Vaccinium retusum*** (Griff.) Hook. f. ex C.B. Clarke  
*Life form* : Shrub.  
*Distribution* : Darjiling.
2043. ***Vaccinium vacciniaceum*** (Roxb.) Sleumer  
*Life form* : Shrub.  
*Distribution* : Darjiling.
- Family VALERIANNACEAE
2044. ***Valeriana hardwickii*** Wall.  
*Life form* : Annual herb.  
*Distribution* : Darjiling.
2045. ***Valeriana jatamansi*** Jones  
*Life form* : Annual herb.  
*Distribution* : Darjiling.

# **PART-III**

## PROTISTA : PROTOZOA (FREELIVING PROTOZOA)

- |   |  |
|---|--|
| <p>Kingdom PROTISTA</p> <p>Subkingdom PROTOZOA</p> <p>Phylum SARCOMASTIGOPHORA</p> <p>Subphylum MASTIGOPHORA</p> <p>Class PHYTOMASTIGOPHOREA</p> <p>Order CRYPTOMONADIDA</p> <p>Family CRYPTOMONADIDAE</p> <p>1. <b><i>Chilomonas paramecium</i></b> Ehrenberg<br/><i>Distribution</i> : Kolkata.</p> <p style="padding-left: 40px;">Order DINOFLAGELLIDA</p> <p style="padding-left: 40px;">Family NOCTILUCIDAE</p> <p>2. <b><i>Noctiluca miliaris</i></b> Suriray<br/><i>Distribution</i> : South 24 Pgs., Hugli, Medinipur and Nadia.</p> <p style="padding-left: 40px;">Family PERIDINIIDAE</p> <p>3. <b><i>Ceratium hirundinella</i></b> Muller<br/><i>Distribution</i> : North 24 Pgs., South 24 Pgs., Hugli and Nadia.</p> <p>4. <b><i>Ceratium triops</i></b> Nitzsch<br/><i>Distribution</i> : North 24 Pgs., South 24 Pgs. and Hugli.</p> <p>5. <b><i>Peridinium</i></b> sp.<br/><i>Distribution</i> : North 24 Pgs., South 24 Pgs., Hugli and Nadia.</p> <p>6. <b><i>Peridinium tabulatum</i></b><br/>Claparede &amp; Lachmann<br/><i>Distribution</i> : South 24 Pgs.</p> <p style="padding-left: 40px;">Order EUGLENIDA</p> <p style="padding-left: 40px;">Sub order EUGLENINA</p> <p style="padding-left: 40px;">Family ANISONEMIDAE</p> <p>7. <b><i>Entosiphon ovatum</i></b> Stokes<br/><i>Distribution</i> : Kolkata.</p> <p>8. <b><i>Entosiphon sulcatum</i></b> (Dujardin)<br/><i>Distribution</i> : Barddhaman, Kolkata and Haora.</p> <p>9. <b><i>Peranema trichophorum</i></b><br/>(Ehrenberg)<br/><i>Distribution</i> : Nadia.</p> | <p style="text-align: center;">Family EUGLENIDAE</p> <p>10. <b><i>Euglena acus</i></b> Ehrenberg<br/><i>Distribution</i> : North 24 Pgs. and Kolkata.</p> <p>11. <b><i>Euglena oxyuris</i></b> Schmadra<br/><i>Distribution</i> : South 24 Pgs.</p> <p>12. <b><i>Euglena viridis</i></b> Ehrenberg<br/><i>Distribution</i> : North 24 Pgs. and South 24 Pgs.</p> <p>13. <b><i>Euglene</i></b> sp.<br/><i>Distribution</i> : North 24 Pgs., South 24 Pgs., Hugli and Nadia.</p> <p>14. <b><i>Phacus acuminata</i></b> Stokes<br/><i>Distribution</i> : North 24 Pgs.</p> <p>15. <b><i>Phacus longicauda</i></b> (Ehrenberg)<br/><i>Distribution</i> : Hugli.</p> <p>16. <b><i>Phacus pleuronectes</i></b> (Muller)<br/><i>Distribution</i> : North 24 Pgs. and South 24 Pgs.</p> <p>17. <b><i>Phacus</i></b> sp.<br/><i>Distribution</i> : North 24 Pgs., South 24 Pgs., Hugli and Nadia.</p> <p>18. <b><i>Trachelomonas armata</i></b> var. <b><i>ovata</i></b><br/>Swirenko<br/><i>Distribution</i> : Hugli.</p> <p>19. <b><i>Trachelomonas hispida</i></b> (Perty)<br/><i>Distribution</i> : Hugli.</p> <p>20. <b><i>Trachelomonas richmondiae</i></b><br/>(Palyfair)<br/><i>Distribution</i> : Nadia.</p> <p>21. <b><i>Trachelomonas</i></b> sp.<br/><i>Distribution</i> : Hugli and Medinipur.</p> <p style="padding-left: 40px;">Family ANISONEMIDAE</p> <p>22. <b><i>Entosiphon ovatum</i></b> Stokes<br/><i>Distribution</i> : Kolkata, Barddhaman and Haora.</p> |
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23. *Entosiphon sulcatum* (Dujardin)

*Distribution* : Barddhaman, Kolkata and Haora.

24. *Peranema trichophorum* (Ehrenberg)

*Distribution* : Nadia.

Order CHRYSOMONADIDA

Family CHROMULINIDAE

25. *Mallomonas* sp.

*Distribution* : South 24 Pgs.

Family OCHROMONADIDAE

26. *Dinobryon* sp.

*Distribution* : South 24 Pgs. and Nadia.

27. *Monas* sp.

*Distribution* : South 24 Pgs.

Subphylum SARCODINA

Superclass RHIZOPODA

Class LOBOSEA

Sub class GYMNAMOEBIA

Order AMOEBIDA

Sub order ACANTHOPODINA

Family ACANTHAMOEBIDAE

28. *Acanthamoeba astronyxis* (Ray & Hayes)

*Distribution* : South 24 Pgs., Hugli, Maldah and Murshidabad.

29. *Acanthamoeba culbertsoni* (Singh & Das)

*Distribution* : South 24 Pgs.

30. *Acanthamoeba glebae* (Dobell)

*Distribution* : North 24 Pgs.

31. *Acanthamoeba palestinensis* (Reich)

*Distribution* : South 24 Pgs.

32. *Acanthamoeba rhysodes* (Singh)

*Distribution* : South 24 Pgs. and Dinajpur.

Family ECHINAMOEBIDAE

33. *Echinamoeba exundans* (Page)

*Distribution* : South 24 Pgs., Koch Bihar and Medinipur.

Suborder CONOPODINA

Family PARAMOEBIDAE

34. *Mayorella vespertilio* (Penard)

*Distribution* : North 24 Pgs., Kolkata and Haora.

35. *Mayorella* sp.

*Distribution* : North 24 Pgs.

Suborder THECINA

Family THECAMOEBIDAE

36. *Thecamoeba soli* (Singh & Hanumaiah)

*Distribution* : South 24 Pgs.

37. *Thecamoeba striata* (Penard)

*Distribution* : Kolkata and Hugli.

38. *Vannella bengalensis* Das, Mandal and Sarkar.

*Distribution* : North 24 Pgs.

39. *Vannella cutleri* Singh & Hanumaiah

*Distribution* : Puruliya.

40. *Vannella* sp.

*Distribution* : Kolkata.

Suborder TUBULINA

Family AMOEBIDAE

41. *Amoeba discoides* Schaeffer

*Distribution* : Kolkata and Nadia.

42. *Trichamoeba villosa* (Wallich)

*Distribution* : South 24 Pgs.

Family HARTMANNELLIDAE

43. *Hartmannella vermiformis* Page

*Distribution* : Medinipur.

44. *Hertmannella crumpae* Singh & Hanumaiah

*Distribution* : Bankura.

Order SCHIZOPYRENIDA

Family VAHLKAMPFIIDAE

45. *Naegleria gruberi* (Schardinger)

*Distribution* : Haora.

46. *Naegleria thortoni* (Singh)

*Distribution* : South 24 Pgs.

47. ***Tetramitus rostratus*** (Perty)  
*Distribution* : North 24 Pgs. and Darjiling.
48. ***Vahlkampfia russelli*** (Singh)  
*Distribution* : Medinipur.  
 Order PELOBIONTIDA  
 Family PELOMYXIDAE
49. ***Pelomyxa palustris*** Greef  
*Distribution* : North 24 Pgs.  
 Subclass TESTACEALOBOSIA  
 Order ARCELLINIDA  
 Family ARCELLIDAE
50. ***Arcella conica*** (Playfair)  
*Distribution* : South 24 Pgs. and Bankura.
51. ***Arcella discoides*** Ehrenberg  
*Distribution* : South 24 Pgs., Bankura, Birbhum, Barddhaman, Haora, Hugli, Jalpaiguri, Nadia, Puruliya and Dinajpur.
52. ***Arcella gibbosa*** Penard  
*Distribution* : South 24 Pgs. and Dinajpur.
53. ***Arcella hemispherica*** Perty  
*Distribution* : South 24 Pgs., Bankura and Koch Behar.
54. ***Arcella vulgaris*** Ehrenberg  
*Distribution* : South 24 Pgs., Bankura, Birbhum, Barddhaman, Hugli, Koch Bihar, Murshidabad and Dinajpur.
55. ***Arcella vulgaris*** Var. ***angulosa***  
 (Perty)  
*Distribution* : Kolkata.
56. ***Arcella vulgaris*** forma ***undulatum***  
 Deflandre  
*Distribution* : Kolkata.
57. ***Diplochamys leidy*** Greef  
*Distribution* : Kolkata and Dinajpur.
58. ***Lesquereusia spiralis*** (Ehrenberg)  
*Distribution* : North 24 Pgs., South 24 Pgs., Jalpaiguri, Medinipur and Nadia.
59. ***Lesquereusia modesta*** Rhumbler  
*Distribution* : Jalpaiguri, Medinipur, Nadia, North 24 Pgs. and South 24 Pgs.
60. ***Pseudochlamys patella*** Claparede & Lachmann  
*Distribution* : South 24 Pgs.
61. ***Pyxidicola operculata*** (Agardh)  
*Distribution* : South 24 Pgs. and Hugli.  
 Family COCHLIOPODIIDAE
62. ***Cochliopodium bilimbosum***  
 (Auerbach)  
*Distribution* : South 24 Pgs. and Nadia.  
 Family DIFFLUGIIDAE
63. ***Centropyxis aculeata*** (Ehrenberg)  
*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Birbhum, Barddhaman, Hugli, Koch Bihar, Maldah, Medinipur, Murshidabad and Dinajpur.
64. ***Centropyxis aerophila*** Deflandre  
*Distribution* : North 24 Pgs., South 24 Pgs. and Bankura.
65. ***Centropyxis arcelloides*** Penard  
*Distribution* : Puruliya.
66. ***Centropyxis cassis*** (Wallich)  
*Distribution* : Kolkata and Nadia.
67. ***Centropyxis ecornis*** (Ehrenberg)  
*Distribution* : Bankura, Birbhum, Hugli, Jalpaiguri, Koch Bihar, Medinipur, Murshidabad, Maldah, Puruliya, South 24 Pgs. and Dinajpur.
68. ***Centropyxis minuta*** Deflandre  
*Distribution* : Bankura, Birbhum, Barddhaman, Hugli, Jalpaiguri, Koch Bihar, Maldah, Medinipur, Murshidabad, Puruliya and Dinajpur.
69. ***Centropyxis penardi*** Deflandre  
*Distribution* : North 24 Pgs., Bankura, Kolkata and Nadia.
70. ***Centropyxis spinosa*** (Cash & Hopkinson)  
*Distribution* : Bankura.
71. ***Cucurbitella mespiliformis*** Penard  
*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Barddhaman, Hugli, Jalpaiguri, Koch Bihar, Medinipur, Puruliya and Dinajpur.



72. *Diffflugia acuminata* Ehrenberg  
Distribution : South 24 Pgs., Birbhum, Kolkata, Hugli, Maldah, Medinipur, Murshidabad, Nadia and Dinajpur.
73. *Diffflugia acutissima* Deflandre  
Distribution : Purulia.
74. *Diffflugia amphoralis* Hopkinson  
Distribution : Koch Bihar and Dinajpur.
75. *Diffflugia arcula* Leidy  
Distribution : Haora.
76. *Diffflugia bacilliarum* Perty  
Distribution : Hugli.
77. *Diffflugia brevicolla* Cash  
Distribution : Hugli and Medinipur.
78. *Diffflugia capreolata* Penard  
Distribution : Bankura, Hugli and Nadia.
79. *Diffflugia corona* Wallich  
Distribution : North 24 Pgs., Birbhum, Barddhaman, Kolkata, Koch Bihar, Murshidabad, Nadia and Dinajpur.
80. *Diffflugia curvicaulis* Penard  
Distribution : North 24 Pgs., South 24 Pgs. and Birbhum.
81. *Diffflugia difficilis* Thomas  
Distribution : Puruliya.
82. *Diffflugia diffflugia acutissima* Deflandres  
Distribution : Puruliya.
83. *Diffflugia elegans* Penard  
Distribution : Hugli and Medinipur.
84. *Diffflugia globularis* (Wallich)  
Distribution : North 24 Pgs. and Koch Bihar.
85. *Diffflugia globulosa* Dujardin  
Distribution : Koch Bihar.
86. *Diffflugia globulus* (Ehrenberg)  
Distribution : North 24 Pgs., Kolkata and Nadia.
87. *Diffflugia gramen* Penard  
Distribution : Bankura and Nadia.
88. *Diffflugia lismorensis* Playfair  
Distribution : Nadia.
89. *Diffflugia lithophila* (Penard)  
Distribution : South 24 Pgs., Bankura, Barddhaman, Jalpaiguri, Medinipur and Dinajpur.
90. *Diffflugia lobostoma* Leidy  
Distribution : North 24 Pgs., South 24 Pgs., Bankura, Birbhum, Barddhaman, Darjiling, Haora, Hugli, Jalpaiguri, Koch Bihar, Maldah, Medinipur, Murshidabad and Dinajpur.
91. *Diffflugia muriculata* Gauthier-Lievre & Thomas  
Distribution : South 24 Pgs. and Nadia.
92. *Diffflugia muriformis* Gauthier-Lievre & Thomas  
Distribution : Hugli and Nadia.
93. *Diffflugia oblonga* Ehrenberg  
Distribution : Hugli and Nadia.
94. *Diffflugia pyriformis* Perty  
Distribution : South 24 Pgs., Bankura, Barddhaman, Medinipur, Nadia and Dinajpur.
95. *Diffflugia tuberculata* (Wallich)  
Distribution : North 24 Pgs. and South 24 Pgs.
96. *Diffflugia urceolata* Carter  
Distribution : South 24 Pgs., Bankura, Hugli, Koch Bihar, Maldah, Nadia and Puruliya.
97. *Heliopera sylvatica* Penard  
Distribution : South 24 Pgs. and Kolkata.
98. *Phryganella hemispherica* Penard  
Distribution : South 24 Pgs.
99. *Plagiopyxis callida* Penard  
Distribution : Kolkata and Nadia.
- Class FILOSEA  
Order GROMIIDA  
Family EUGLYPHIDAE
100. *Euglypha acanthophora* (Ehrenberg)  
Distribution : North 24 Pgs., Bankura, Haora, Hugli, Medinipur, Puruliya and W. Dinajpur.

101. *Euglypha acanthophora* Var. *flexusa* Penard  
*Distribution* : North 24 Pgs., Bankura, Haora, Hugli, Medinipur, Purulia and Dinajpur.
102. *Euglypha denticulata* Brown  
*Distribution* : Kolkata.
103. *Euglypha loevis* (Ehrenberg)  
*Distribution* : Kolkata.
104. *Euglypha rotunda* Wailes  
*Distribution* : Kolkata.
105. *Euglypha scutigera* Penard  
*Distribution* : Bankura.
106. *Euglypha tuberculata* Dujardin  
*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Darjiling, Hugli and Nadia.
107. *Paraeuglypha indica* Nair & Mukherjee  
*Distribution* : South 24 Pgs.
108. *Placocysta lens* Penard  
*Distribution* : South 24 Pgs.
109. *Trecheleuglypha dentata* (Vejdovsky)  
*Distribution* : Kolkata, Haora and Hugli.
110. *Trinema enchelys* (Ehrenberg)  
*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Kolkata, Haora, Hugli, Koch Bihar, Medinipur and Puruliya.
111. *Trinema lineare* Penard  
*Distribution* : North 24 Pgs.  
Class GRANULORETICULOSEA  
Order ATHALAMIDA  
Family BIOMYXIDAE
112. *Biomyxa vagens* Leidy  
*Distribution* : North 24 Pgs., Kolkata and Nadia.  
Order MONOTHALAMIDA  
Family LIEBERKUHNIIIDAE
113. *Lieberkuhnia paludosa* (Cienkowsky)  
*Distribution* : Kolkata.  
Superclass ACTINOPODA
- Class HELIOZOEAE  
Order DESMOTHORACIDA  
Family CLATHRULINIDAE
114. *Clathrulina elegans* Cienkowski  
*Distribution* : Hugli, Koch Bihar, North 24 Parganas.  
Order ACTINOPHRYIDA  
Family ACTINOPHRYIDAE
115. *Actinophrys sol* Ehrenberg  
*Distribution* : Kolkata, Haora and Hugli.  
Order CENTROHELIDA  
Family ACANTHOCYSTIDAE
116. *Acanthocystis spinifera* Greef  
*Distribution* : Hugli.  
Order DESMOTHORACIDA  
Family CLATHRULINIDAE
117. *Clathrulina elegans* Cienkowski  
*Distribution* : North 24 Pgs., Hugli and Koch Bihar.  
Phylum CILIOPHORA  
Class KINETOFRAGMINOPHOREA  
Subclass GYMNOSTOMATIA  
Order PROSTOMATIDA  
Suborder PROSTOMATINA  
Family HOLOPHRYIDAE
118. *Holophrya annandalei* Ghosh  
*Distribution* : Kolkata.
119. *Holophrya bengalensis* Ghosh  
*Distribution* : Kolkata.  
Suborder PRORODONTINA  
Family PRORODONTIDAE
120. *Prorodon discolor* (Ehrenberg)  
*Distribution* : Kolkata.
121. *Prorodon edentatus* Claparede & Lachmann  
*Distribution* : Kolkata.
122. *Prorodon stewarti* Ghosh  
*Distribution* : Kolkata.

123. *Prorodon teres* Ehrenberg  
Distribution : Kolkata.
124. *Pseudoprorodon lieberkuhni*  
Butschli  
Distribution : South 24 Pgs.
125. *Urotricha* sp.  
Distribution : Kolkata.  
Family COLEPIDAE
126. *Cloeps hirtus* (Muller)  
Distribution : North 24 Pgs., South 24 Pgs.,  
Bankura, Birbhum, Bardhaman, Kolkata,  
Darjiling, Haora, Hugli, Jalpaiguri, Koch Bihar,  
Maldah, Medinipur, Murshidabad, Nadia,  
Puruliya and Dinajpur.  
Suborder HAPTORINA  
Family ACTINOBOLINIDAE
127. *Actinobolina radians* Stein  
Distribution : Kolkata.  
Family DIDINIIDAE
128. *Didinium nasutum* (Muller)  
Distribution : Kolkata and Maldah.  
Family ENCHELYIDAE
129. *Enchelys* sp.  
Distribution : Haora.
130. *Lacrymaria olor* (Muller)  
Distribution : South 24 Pgs., Bankura,  
Bardhaman, Kolkata, Hugli and Koch Bihar.
131. *Lacrymaria pupula* (Muller)  
Distribution : Hugli.
132. *Lacrymaria minima* Kahl  
Distribution : Hugli.  
Family SPATHIDIIDAE
133. *Bryophyllum spathidiodes* V. Gelei  
Distribution : Hugli.
134. *Spathidium moniliforme* Bhatia  
Distribution : Birbhum, Hugli and Maldah.
135. *Spathidium muscicola* Kahl  
Distribution : Kolkata and Darjiling.
- Family TRACHELIIDAE
136. *Dileptus anser* (Muller)  
Distribution : North 24 Pgs., South 24 Pgs.,  
Bankura, Kolkata, Hugli, Jalpaiguri, Koch Bihar  
and Dinajpur.
137. *Dileptus monilatus* (Stokes)  
Distribution : Hugli.
138. *Trachelius gutta* (Cohn)  
Distribution : Kolkata.
139. *Trachelius ovum* Ehrenberg  
Distribution : Kolkata and Hugli.  
Order PLEUROSTOMATIDAE  
Family AMPHILEPTIDAE
140. *Amphileptus* sp.  
Distribution : Kolkata.
141. *Litonotus bivacuolata*  
Distribution : Kolkata.
142. *Litonotus fasciola* (Ehrenberg)  
Distribution : Kolkata.
143. *Litonotus infusionus* Ghosh  
Distribution : Kolkata.
144. *Litonotus procera* Penard  
Distribution : Hugli and Maldah.
145. *Litonotus similis* Ghosh  
Distribution : Kolkata.
146. *Loxophyllum levigatum* Sauerby  
Distribution : South 24 Pgs.
147. *Loxophyllum nimeccense* (Stein)  
Distribution : Birbhum, Hugli and  
Murshidabad.
148. *Loxophyllum undulatum* Sauerbrey  
Distribution : Haora.
149. *Acineria incurvata* Dujardin  
Distribution : Kolkata.  
Order KARYORELICTIDA  
Family LOXODIDAE
150. *Loxodes magnus* Stokes  
Distribution : North 24 Pgs., South 24 Pgs.,  
Kolkata, Koch Bihar, Puruliya and Dinajpur.

151. *Loxodes vorax* Stokes  
*Distribution* : North 24 Pgs.
152. *Loxodes* sp.  
*Distribution* : Kolkata.
153. *Loxodes striatus* (Engelmann)  
*Distribution* : North 24 Pgs., Bankura, Kolkata and Puruliya.  
 Family GELEIIDAE
154. *Glaucoma scintillans* Ehrenburg  
*Distribution* : Kolkata.  
 Family TRACHELOCERCIDAE
155. *Trachelocerca* sp.  
*Distribution* : Kolkata.  
 Subclass VESTIBULIFERIA  
 Order TRICHOSTOMATIDA  
 Family PLAGIOPYLIDAE
156. *Plagiopyla nasuta* SteinSteinStein  
*Distribution* : South 24 Pgs., Kolkata and Hugli.  
 Order COLPODIDA  
 Family COLPODIDAE
157. *Colpoda aspera* Kahl  
*Distribution* : Kolkata and Murshidabad.
158. *Colpoda cucullus* Muller  
*Distribution* : Kolkata.
159. *Colpoda maupasi* Enriques  
*Distribution* : Not known.
160. *Colpoda* sp.  
*Distribution* : Kolkata.
161. *Colpodium Colpoda* (Ehrenberg) Steni  
*Distribution* : Not known.  
 Family CYRTOLOPHOSIDIDAE
162. *Cyrtolophosis elongatus* (Schewiakoff)  
*Distribution* : Kolkata and Haora.
163. *Cyrtolophosis minutus* (Schewiakoff)  
*Distribution* : Kolkata and Haora.
164. *Opisthostomatella bengalensis* (Ghosh)  
*Distribution* : Kolkata.  
 Subclass HYPOSTOMATINA  
 Superorder NASSULIDEA  
 Order SYNHYMENIIDA  
 Family SACPHIDIODONTIDAE
165. *Chilodontopsis bengalensis* (Ghosh)  
*Distribution* : Kolkata.  
 Family ORTHODONELLIDAE
166. *Orthodonella banerjeei* (Ghosh)  
*Distribution* : Kolkata.  
 Order NASSULIDA  
 Family NASSULIDAE
167. *Nassula ornata* Ehrenberg  
*Distribution* : Kolkata, Darjiling and Murshidabad.  
 Suborder MICROTHORACINA  
 Family LEPTOPHARYNGIDAE
168. *Leptopharynx chlorophagus* Das  
*Distribution* : Hugli.
169. *Leptopharynx sphagnetorum* (Levander)  
*Distribution* : Kolkata.
170. *Leptopharynx torpens* (Kahl)  
*Distribution* : Hugli.
171. *Pseudomicrothorax agilis* Mermod  
*Distribution* : North 24 Pgs. and Kolkata.
172. *Pseudomicrothorax dubius* (Maupas)  
*Distribution* : South 24 Pgs. and Nadia.  
 Family MICROTHORACIDAE
173. *Drepanomonas dentata* Fresenius  
*Distribution* : Kolkata.
174. *Drepanomonas hooghlyensis* Nair & Das  
*Distribution* : Hugli.
175. *Drepanomonas revoluta* Pennard  
*Distribution* : Hugli.

176. *Microthorax pusillus* Engelman  
*Distribution* : Barddhaman, Kolkata and Hugli.  
 Superorder PHYLLOPHARYNGIDEA  
 Order CYRTOPHORIDA  
 Suborder CHLAMYDODONTINA  
 Family CHILODONELLIDAE
177. *Chilodonella cucullulus* (Muller)  
*Distribution* : Bankura, Barddhaman, Kolkata, Darjiling, Hugli, Jalpaiguri and Maldah.
178. *Chilodonella* sp.  
*Distribution* : Kolkata.
179. *Chilodonella spiralidentis* (Bhatia & Mallik)  
*Distribution* : Haora.
180. *Chilodonella uncineta* (Ehrenberg)  
*Distribution* : South 24 Pgs., Kolkata and Haora.  
 Subclass SUCTORIA  
 Order SUCTORIDA  
 Suborder ENDOGENINA  
 Family DENDROSOMATIDAE
181. *Tokophrya bengalensis* Ghosh  
*Distribution* : Kolkata.
182. *Tokophrya cyclopus* (Claparede & Lachmann)  
*Distribution* : Kolkata.
183. *Tokophrya infusorium* (Stein)  
*Distribution* : Kolkata.  
 Suborder EXOGENINA  
 Family PODOPHRYIDAE
184. *Podophrya bengalensis* Ghosh  
*Distribution* : Kolkata.
185. *Podophrya sandi* Collin  
*Distribution* : Kolkata.
186. *Podophrya fixa* (Muller)  
*Distribution* : Kolkata.
- Class OLIGOHYMENOPHOREA  
 Subclass HYMENOSTOMATIA  
 Order HYMENOSTOMATIDA  
 Suborder TETRAHYMENINA  
 Family GLAUCOMIDAE
187. *Glaucoma pyriformis* (Ehrenberg)  
*Distribution* : Kolkata.  
 Family TETRAHYMENIDAE
188. *Stegochilum ovale* Ghosh  
*Distribution* : Kolkata.
189. *Tetrahymena pyriformis* (Ehrenberg)  
*Distribution* : Kolkata.  
 Suborder OPHRYOGOLENINA  
 Family OPHRYOGLENIDAE
190. *Ophryoglena flava* (Ehrenberg)  
*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Birbhum, Hugli, Maldah, Murshidabad, Puruliya and Dinajpur.  
 Suborder PENICULINA  
 Family FRONTONIIDAE
191. *Disematostoma bengalensis* Nair  
*Distribution* : South 24 Pgs.
192. *Frontonia acuminata*  
*Distribution* : Kolkata.
193. *Frontonia depressa* (Stokes)  
*Distribution* : Kolkata.
194. *Frontonia leucas* (Ehrenberg)  
*Distribution* : North 24 Pgs., Bankura, Birbhum, Kolkata, Haora, Maldah, Medinipur, Murshidabad, Puruliya and Dinajpur.  
 Family NEOBURSARIDIIDAE
195. *Neobursaridium gigas* Balech  
*Distribution* : Kolkata.  
 Family PARAMECIIDAE
196. *Paramecium caudatum* (Ehrenberg)  
*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Birbhum, Barddhaman, Kolkata, Darjiling, Haora, Hugli, Jalpaiguri, Koch Bihar, Maldah, Medinipur, Murshidabad, Nadia, Puruliya and Dinajpur.

197. *Paramecium* sp.*Distribution* : Kolkata.

Family UROCENTRIDAE

198. *Urocentrum turbo* (Muller)*Distribution* : North 24 Pgs., South 24 Pgs., Kolkata, Hugli, Maldah, Murshidabad, Nadia, Puruliya and Dinajpur.

Order SCUTICOCILIATIDA

Suborder LOXOCEPHALIDAE

Family CINETOCHILIDAE

199. *Cinetochilum margaritaceum*  
Perty*Distribution* : North 24 Pgs., Bankura, Kolkata, Hugli, Maldah and Nadia.200. *Sathophilus chlorophagus* (Kahl)*Distribution* : Hugli.

Family PHILASTERINA

201. *Loxocephalus plagiis* (Stokes)*Distribution* : South 24 Pgs. and Nadia.

Suborder PLEURONEMATINA

Family CYCLIDIIDAE

202. *Ctedoctema acanthocrypta* Stokes*Distribution* : Kolkata.203. *Cyclidium glaucoma* Muller*Distribution* : Haora.

Family PLEUREMATIDAE

204. *Pleuronema crassum* Dujardin*Distribution* : Kolkata.

Subclass PERITRICHIA

Order PERITRICHIDA

Suborder SESSILINA

Family VORTICELLIDAE

205. *Carchesium polypinum* (Linnaeus)*Distribution* : South 24 Pgs.206. *Carchesium* sp.*Distribution* : Kolkata.207. *Vorticella campanula* Ehrenberg*Distribution* : North 24 Pgs., South 24 Pgs., Kolkata, Haora, Hugli, Maldah and Murshidabad.208. *Vorticella globosa* Ghosh*Distribution* : Kolkata.209. *Vorticella microstoma**Distribution* : Kolkata.210. *Vorticella patellina* Ehrenberg*Distribution* : Kolkata.211. *Vorticella striata**Distribution* : Kolkata.212. *Vorticella subcylindrica* Ghosh*Distribution* : Kolkata.213. *Vorticella submicrostoma* Ghosh*Distribution* : Kolkata.214. *Vorticella subprocubens* Ghosh*Distribution* : Kolkata.215. *Vorticella subsinuata* Ghosh*Distribution* : Kolkata.216. *Vorticella* sp.*Distribution* : Kolkata.217. *Zoothamnium horai* Khajuria &  
Pillai*Distribution* : Medinipur.

Family EPISTYLIDIDAE

218. *Epistylis anastatica* (Linnaeus)*Distribution* : Kolkata.219. *Epistylis plectatus**Distribution* : Kolkata.220. *Epistylis* sp.*Distribution* : Kolkata.

Family VAGINICOLIDAE

221. *Cothurinia* sp.*Distribution* : Kolkata.222. *Pyxicola affinis* Kent*Distribution* : Kolkata.223. *Platycola decumbens* (Ehrenberg)*Distribution* : Kolkata.224. *Platycola* sp.*Distribution* : Kolkata.225. *Platycola striata* (Fromental)*Distribution* : South 24 Pgs. and Kolkata.

226. *Vaginicola crystallina* Ehrenberg  
Distribution : Kolkata.
227. *Vaginicola* sp.  
Distribution : Kolkata.  
Family LAGENOPHRYIDAE
228. *Lagenophrys labiata* Stokes  
Distribution : Kolkata.  
Class POLYHYMENOPHOREA  
Subclass SPIROTRICHIA  
Order HETEROTRICHIDA  
Suborder HETEROTRICHIDA  
Family BURSARIIDAE
229. *Bursaria truncatella* Muller  
Distribution : South 24 Pgs., Barddhaman and Nadia.  
Family CONDYLOSTOMATIDAE
230. *Bryometopus pseudochiloson* Kahl  
Distribution : Kolkata.
231. *Dexiotrichides centralis* Stokes  
Distribution : Kolkata.  
Family COHNILEMBIDAE
232. *Cohnilembus pusillus* kahl  
Distribution : Kolkata.  
Family METOPIDAE
233. *Bothrostoma extenta* (Kahl)  
Distribution : Kolkata.
234. *Bothrostoma mirabilis* (Kahl)  
Distribution : Kolkata.
235. *Bothrostoma nasuta* (Da Cunha)  
Distribution : Kolkata.
236. *Brachonella campanula* (Kahl)  
Distribution : Haora.
237. *Brachonella spiralis* (Smith)  
Distribution : Haora.
238. *Metopus daphnides* Jankowski  
Distribution : South 24 Pgs. and Kolkata.
239. *Metopus es* Muller  
Distribution : Kolkata.
240. *Metopus fuscus* Kahl  
Distribution : North 24 Pgs. and South 24 Pgs.
241. *Metopus ovalis* Kahl  
Distribution : South 24 Pgs.
242. *Metopus rostratus* Kahl  
Distribution : North 24 Pgs.
243. *Metopus striatus* McMurrich  
Distribution : North 24 Pgs.  
Family SPIROSTOMIDAE
244. *Blepharisma intermedium*  
Bhandary  
Distribution : South 24 Pgs. and Kolkata.
245. *Blepharisma undulans* Stein  
Distribution : Bankura, Kolkata and Dinajpur.
246. *Spirostomum ambiguum* Ehrenberg  
Distribution : North 24 Pgs., Barddhaman, Kolkata, Maldah and Dinajpur.
247. *Spirostomum teres* Claparede & Lachmann  
Distribution : Bankura and Jalpaiguri.  
Family STENTORIDAE
248. *Stentor polymorphus* (Muller)  
Distribution : Kolkata.
249. *Stentor viridis* (Ghosh)  
Distribution : Kolkata.  
Suborder ARMOPHORINA  
Family CAENOMORPHIDAE
250. *Caenomorpha lata* Kahl  
Distribution : Kolkata and Haora.
251. *Caenomorpha medusula* Perty  
Distribution : Barddhaman, Kolkata and Haora.  
Suborder COLIPHORINA  
Family FOLLICULINIDAE
252. *Folliculina ampula* (Muller)  
Distribution : South 24 Pgs.

Order ODONTOSTOMATIDA  
 Suborder COLIPHORINA  
 Family EPALXELLIDAE

253. *Saprodinium dentatum* Lauterborn  
*Distribution* : Hugli.

Order OLIGOTRICHIDA  
 Suborder OLIGOTRICHINA  
 Family HALTERIIDAE

254. *Halteria grandinella* (Muller)  
*Distribution* : Barddhaman, Kolkata, Koch Bihar and Dinajpur.

Family STROBILIDIIDAE

255. *Strobilidium gyrans* (Stokes)  
*Distribution* : Bankura, Kolkata, Darjiling, Puruliya and Dinajpur.

Order HYPOTRICHIDA  
 Suborder SPORADOTRICHINA  
 Family SPIROFILIDAE

256. *Hypotrichidium concicum* .  
 Ilowaisky  
*Distribution* : North 24 Pgs.

257. *Stichotricha socialis* Gruber  
*Distribution* : Hugli.

Family BALLADINOPSIDAE

258. *Balladinopsis nuda* Ghosh  
*Distribution* : Kolkata.

Suborder SPORADOTRICHINA  
 Family ASPIDISCIDAE

259. *Aspidisca bengalensis* (Ghosh)

*Distribution* : Kolkata.

260. *Aspidisca costata* (Dujardin)

*Distribution* : Kolkata.

Family EUPLOTIDAE

261. *Euplotes gracilis* Kahl

*Distribution* : South 24 Pgs. and Koch Bihar.

262. *Euplotes leticiensis* Bovee

*Distribution* : Birbhum and Barddhaman.

263. *Euplotes patella* (Muller)

*Distribution* : Kolkata and Koch Bihar.

264. *Euplotes plumipes* Stokes

*Distribution* : South 24 Pgs., Barddhaman, Koch Bihar, Maldah, Murshidabad and Puruliya.

Family OXYTRICHIDAE

265. *Oxytricha falax* Stein

*Distribution* : Bankura, Birbhum, Kolkata, Darjiling, Jalpaiguri, Koch Bihar, Maldah, Murshidabad, Puruliya and Dinajpur.

266. *Pleurotricha grandis* Stein

*Distribution* : Haora.

267. *Stylonichia mytilus* (Ehrenberg)

*Distribution* : South 24 Pgs. and Darjiling.



## PROTISTA : PROTOZOA (SYMBIOTIC PROTOZOA)

Phylum SARCOMASTIGOPHORA  
Subphylum MASTIGOPHORA  
Class ZOMASTIGOPHOREA  
Order OXYMONADIDA  
Family OXYMONADIDAE

1. ***Oxymonas bengalensis*** Das

Host : *Cryptotermes havilandi*.

Distribution : Kolkata.

2. ***Oxymonas bosei*** Das

Host : *Neotermes bosei*.

Distribution : Jalpaiguri and Koch Bihar.

3. ***Oxymonas grandis*** Cleveland

Host : *Neotermes bosei*.

Distribution : Jalpaiguri and Koch Bihar.

4. ***Oxymonas parvula*** Kirby

Host : *Cryptotermes* sp.

Distribution : South 24 Pgs.

Order TRICHOMONADIDA

Family MONOCERCOMONADIDAE

5. ***Tricercomitus divergens*** Kirby

Host : *Cryptotermes havilandi*.

Distribution : Kolkata.

Family DEVESCOVINIDAE

6. ***Devescovina glaba*** Grassi

Host : *Cryptotermes havilandi*.

Distribution : South 24 Pgs., Kolkata, Koch Bihar and Dinajpur.

7. ***Devescovina lemniscata*** Kirby

Host : *Cryptotermes havilandi*.

Distribution : South 24 Pgs. and Kolkata.

8. ***Devescovina steini*** Das

Host : *Cryptotermes havilandi*.

Distribution : South 24 Pgs. and Kolkata.

9. ***Foaina nana*** (Kirby)

Host : *Cryptotermes havilandi*.

Distribution : South 24 Pgs.

10. ***Foaina reflexa*** Kirby

Host : *Cryptotermes havilandi*.

Distribution : South 24 Pgs.

11. ***Foaina solia*** Kirby

Host : *Cryptotermes havilandi*.

Distribution : South 24 Pgs.

Family CALONYMPHIDAE

12. ***Stephnonympha minuta*** Das &  
Choudhury

Host : *Neotermes bosei*.

Distribution : Jalpaiguri and Koch Bihar.

13. ***Stephnonympha pyriformis*** Das &  
Choudhury

Host : *Cryptotermes havilandi*.

Distribution : Kolkata and Koch Bihar.

14. ***Stephnonympha silvestrii*** Kanicki

Host : *Cryptotermes havilandi*.

Distribution : Kolkata.

Order HYPERMASTIGIDA

Family HOLOMASTIGOTIDAE

15. ***Holomastigotoides bengalensis***  
Chakravarty & Banerjee

Host : *Heterotermes indicola*, *Heterotermes* sp.

Distribution : South 24 Pgs., Kolkata, Jalpaiguri, Koch Bihar, Maldah and Dinajpur.

16. ***Holomastigotoides campanula*** (de  
Mello)

Host : *Heterotermes indicola*, *Coptotermes heimi*.

Distribution : South 24 Pgs., Kolkata, Jalpaiguri, Koch Bihar, Maldah and Dinajpur.

17. ***Holomastigotoides emersoni*** Das

Host : *Coptotermes heimi*.

Distribution : South 24 Pgs., Kolkata, Jalpaiguri and Murshidabad.

18. ***Holomastigotoides globosus*** de Mello  
*Host* : *Heterotermes indicola*.  
*Distribution* : North 24 Pgs., Kolkata and Jalpaiguri.
19. ***Holomastigotoides hartmanni***  
 Koidzumi  
*Host* : *Coptotermes heimi*.  
*Distribution* : South 24 Pgs.
20. ***Holomastigotoides hollandei*** Das  
*Host* : *Heterotermes indicola*.  
*Distribution* : North 24 Pgs., Maldah, Murshidabad and Dinajpur.
21. ***Holomastigotoides magnus*** Uttangi  
*Host* : *Heterotermes indicola*.  
*Distribution* : North 24 Pgs., Koch Bihar and Maldah.
22. ***Holomastigotoides ogivalis*** de Mello  
*Host* : *Coptotermes heimi*, *Heterotermes indicola*.  
*Distribution* : South 24 Pgs., Birbhum, Jalpaiguri, Medinipur and Murshidabad.
23. ***Holomastigotoides rayi*** Karandikar & Vittal  
*Host* : *Coptotermes heimi*.  
*Distribution* : South 24 Pgs., Birbhum, Medinipur and Murshidabad.
24. ***Holomastigotoides sphaeroidalis*** de Mello  
*Host* : *Coptotermes heimi*, *Heterotermes indicola*.  
*Distribution* : Birbhum, Kolkata, Koch Bihar and Murshidabad.  
 Family SPIROTRICHONYMPHIDAE
25. ***Pseudotriconympha cardiformis***  
 Karandikar & Vittal  
*Host* : *Coptotermes heimi*.  
*Distribution* : South 24 Pgs., Birbhum, Darjiling, Jalpaiguri, Koch Bihar, Maldah, Medinipur and Murshidabad.
26. ***Pseudotriconympha indica***  
 Chakravarty & Banerjee  
*Host* : *Coptotermes heimi*.  
*Distribution* : South 24 Pgs., Birbhum, Kolkata, Darjiling, Koch Bihar, Maldah and Murshidabad.
27. ***Pseudotriconympha subapicalis***  
 Karandikar & Vittal  
*Host* : *Coptotermes heimi*, *Heterotermes indicola*.  
*Distribution* : South 24 Pgs.
28. ***Spirotriconympha bhadreshwarensis*** Tiwari  
*Host* : *Coptotermes heimi*.  
*Distribution* : Hugli.
29. ***Spirotriconympha froilanoi***  
 Karandikar & Vittal  
*Host* : *Coptotermes heimi*.  
*Distribution* : South 24 Pgs., Birbhum, Jalpaiguri and Dinajpur.
30. ***Spirotriconympha pyriformis***  
 Chakravarty & Banerjee  
*Host* : *Heterotermes indicola*, *Heterotermes* sp.  
*Distribution* : Kolkata and Dinajpur.
31. ***Spirotriconympha roonwali*** Das  
*Host* : *Coptotermes heimi*.  
*Distribution* : South 24 Pgs., Birbhum, Maldah and Dinajpur.  
 Phylum CILIOPHORA  
 Class KINETOFRAGMINIPHOREA  
 Order ENTODINIOMORPHA  
 Family OPHRYOSCOLECIDAE
32. ***Diplodinium anisacanthus*** da Cunha  
*Host* : *Capra hircus*.  
*Distribution* : Kolkata.
33. ***Diplodinium bengalensis*** Chowdhury & Chatterjee  
*Host* : *Capra hircus*.  
*Distribution* : Kolkata.

34. **Diplodinium conicum** Ghosh  
Host : *Capra hircus*.  
Distribution : Kolkata.
35. **Diplodinium consors** (Dogiel)  
Host : *Capra hircus*.  
Distribution : Kolkata.
36. **Diplodinium costatum** Dogiel,  
Host : *Capra hircus*.  
Distribution : Kolkata.
37. **Diplodinium cristagalli** Dogiel  
Host : *Capra hircus*.  
Distribution : Kolkata.
38. **Diplodinium cylindricum** Ghosh  
Host : Goat.  
Distribution : Kolkata.
39. **Diplodinium dentatum** (Stein)  
Host : Goat.  
Distribution : Kolkata.
40. **Diplodinium dicanthum** (Dogiel)  
Host : Goat, Buffalo.  
Distribution : Kolkata.
41. **Diplodinium flabellum** Kofoid & Mac  
Lennan  
Host : Buffalo.  
Distribution : Kolkata.
42. **Diplodinium indicum** Banerjee  
Host : Cow.  
Distribution : Kolkata.
43. **Diplodinium longinucleatum**  
Chowdhury & Chatterjee  
Host : Goat.  
Distribution : Kolkata.
44. **Diplodinium minor** (Dogil)  
Host : Cow, Goat.  
Distribution : Kolkata.
45. **Diplodinium monacanthum** (Dogiel)  
Host : Cow, Barking Deer, Goat.  
Distribution : Kolkata and Darjiling.
46. **Diplodinium pentacanthum** (Dogiel)  
Host : Sheep, Goat.  
Distribution : Kolkata.
47. **Diplodinium psittacium** (Dogiel)  
Host : Goat.  
Distribution : Kolkata.
48. **Diplodinium quadridentatum** Ghosh  
Host : Goat.  
Distribution : Kolkata.
49. **Diplodinium tetracanthum** (Dogiel)  
Host : Goat.  
Distribution : Kolkata.
50. **Diplodinium tricanthum** (Dogiel)  
Host : Goat.  
Distribution : Kolkata.
51. **Diplodinium tuberculatum** (Ghosh)  
Host : Goat.  
Distribution : Kolkata.
52. **Diploplastron affine**  
Host : *Capra hircus*.  
Distribution : Kolkata.
53. **Elytroplastron bubali** (Dogiel)  
Host : *Capra hircus*.  
Distribution : Kolkata.
54. **Entodinium dogieli** comb. nov.  
Das *et al.*  
Host : *Capra hircus*, Buffalo.  
Distribution : Kolkata.
55. **Entodinium furca** forma **dilobum**  
Dogiel  
Host : *Capra hircus*.  
Distribution : Kolkata.
56. **Entodinium acutonucleatum** Kofoid  
& Mac Lennan  
Host : Buffalo.  
Distribution : Kolkata.
57. **Entodinium acutum** Kofoid & Mac  
Lennan  
Host : Buffalo, Sheep.  
Distribution : Kolkata.

58. ***Entodinium anteronucleatum*** forma ***dilobum*** Dogiel  
*Host* : *Capra hircus*.  
*Distribution* : Kolkata.
59. ***Entodinium anteronucleatum*** forma ***leave*** Dogiel  
*Host* : *Capra hircus*.  
*Distribution* : Kolkata.
60. ***Entodinium anteronucleatum*** forma ***monolobum*** Dogiel  
*Host* : *Capra hircus*.  
*Distribution* : Kolkata.
61. ***Entodinium bengalensis*** Banerjee  
*Host* : Buffalo.  
*Distribution* : Kolkata.
62. ***Entodinium biconcavum*** Kofoid & Mac Lennan  
*Host* : Goat.  
*Distribution* : Kolkata.
63. ***Entodinium brevispinum*** Kofoid & Mac Lennan  
*Host* : Goat.  
*Distribution* : Kolkata.
64. ***Entodinium bursa*** Stein  
*Host* : *Capra hircus*.  
*Distribution* : Kolkata.
65. ***Entodinium carinospinum*** Ghosh  
*Host* : *Capra hircus*.  
*Distribution* : Kolkata.
66. ***Entodinium caudatum*** Stein  
*Host* : *Capra hircus*.  
*Distribution* : Kolkata.
67. ***Entodinium chatterjeei*** Das Gupta  
*Host* : *Capra hircus*, Buffalo.  
*Distribution* : Kolkata.
68. ***Entodinium cylindricum*** Choudhury & Chatterjee  
*Host* : Goat.  
*Distribution* : Kolkata.
69. ***Entodinium dubardi*** Buisson  
*Host* : *Capra hircus*, Buffalo, Sheep, Barking Deer.  
*Distribution* : Kolkata and Darjiling.
70. ***Entodinium ekendrae*** Das Gupta  
*Host* : *Capra hircus*.  
*Distribution* : Kolkata.
71. ***Entodinium ellipsoideum*** Ghosh  
*Host* : Goat.  
*Distribution* : Kolkata.
72. ***Entodinium ellongata*** Ghosh  
*Host* : Goat.  
*Distribution* : Kolkata.
- Entodinium harendrai*** Chowdhury & Chatterjee  
*Host* : Goat.  
*Distribution* : Kolkata.
73. ***Entodinium indicum*** Kofoid & Mac Lennan  
*Host* : Buffalo.  
*Distribution* : Kolkata.
74. ***Entodinium jumnapari*** Chowdhury & Chatterjee  
*Host* : Goat.  
*Distribution* : Kolkata.
75. ***Entodinium laterale*** Kofoid & Mac Lennan  
*Host* : *Capra hircus*, Buffalo.  
*Distribution* : Kolkata.
76. ***Entodinium longinucleatum*** Dogiel  
*Host* : *Capra hircus*, Buffalo, Sheep, Barking Deer.  
*Distribution* : Kolkata and Darjiling.
77. ***Entodinium mamilo-carinatum*** Ghosh  
*Host* : Cow.  
*Distribution* : Kolkata.
78. ***Entodinium minutum*** Chowdhury & Chatterjee  
*Host* : Goat.  
*Distribution* : Kolkata.

79. ***Entodinium mukundai*** Chowdhury & Chatterjee

Host : Goat.

Distribution : Kolkata.

80. ***Entodinium muntiacum*** Banerjee

Host : Barking Deer, Goat.

Distribution : Kolkata and Darjiling.

81. ***Entodinium nanellum*** Dogiel

Host : *Capra hircus*.

Distribution : Kolkata.

82. ***Entodinium nudum*** Ghosh

Host : Goat.

Distribution : Kolkata.

83. ***Entodinium ovatum*** Ghosh

Host : Goat.

Distribution : Kolkata.

84. ***Entodinium ovinum*** Dogiel

Host : *Capra hircus*.

Distribution : Kolkata.

85. ***Entodinium ovoidonucleatum*** Das Gupta

Host : *Capra hircus*.

Distribution : Kolkata.

86. ***Entodinium quadrispinosum*** Ghosh

Host : Goat.

Distribution : Kolkata.

87. ***Entodinium rectangulatum*** Kofoid & Mac Lennan

Host : *Capra hircus*.

Distribution : Kolkata.

88. ***Entodinium rhomboideum*** Kofoid & Mac Lennan

Host : Goat.

Distribution : Kolkata.

89. ***Entodinium rostratum*** Fiorentini

Host : Buffalo.

Distribution : Kolkata.

90. ***Entodinium setnai*** Das Gupta

Host : *Capra hircus*.

Distribution : Kolkata.

91. ***Entodinium simplex*** Dogiel

Host : *Capra hircus*.

Distribution : Kolkata.

92. ***Entodinium spinosum*** Ghosh

Host : Cow, Goat.

Distribution : Kolkata.

93. ***Entodinium submammilatum*** Ghosh

Host : Goat.

Distribution : Kolkata.

94. ***Entodinium subsphericum*** Ghosh

Host : Cow.

Distribution : Kolkata.

95. ***Entodinium tricostatum*** Kofoid & Mac Lennan

Host : *Bos indicus*.

Distribution : Kolkata.

96. ***Eodinium lobatum*** Kofoid & Mac Lennan

Host : Cow, Buffalo.

Distribution : Kolkata.

97. ***Epidinium spinosum*** (Ghosh)

Host : Cow.

Distribution : Kolkata.

98. ***Epidinium bengalensis*** (Ghosh)

Host : Cow.

Distribution : Kolkata.

99. ***Epidinium bovis*** Banerjee

Host : Cow.

Distribution : Kolkata.

100. ***Epidinium cattanei*** (Fiorentini)

Host : *Capra hircus*.

Distribution : Kolkata.

101. ***Epidinium caudatum*** (Fiorentini)

Host : Cow, Goat.

Distribution : Kolkata.

102. ***Epidinium eberloini*** (da Cunha)

Host : Cow.

Distribution : Kolkata.

103. ***Epidinium ecaudatum*** (Fiorentini)  
*Host* : *Capra hircus*.  
*Distribution* : Kolkata.
104. ***Epidinium parvicaudatum*** (Awerinzew and Mutafoa)  
*Host* : Goat.  
*Distribution* : Kolkata.
105. ***Epidinium quadricaudatum*** (Sharp)  
*Host* : Goat.  
*Distribution* : Kolkata.
106. ***Epidinium tricaudatum*** (Sharp)  
*Host* : Goat.  
*Distribution* : Kolkata.
107. ***Eremoplastron rostratum***  
 (Fiorentini)  
*Host* : *Capra hircus*, Buffalo.  
*Distribution* : Kolkata.
108. ***Eremoplastron asiaticus*** Banerjee  
*Host* : Cow.  
*Distribution* : Kolkata.
109. ***Eremoplastron bovis*** (Dogiel)  
*Host* : Buffalo.  
*Distribution* : Kolkata.
110. ***Eremoplastron brevispinum***  
 Kofoid & Mac Lennan  
*Host* : *Capra hircus*.  
*Distribution* : Kolkata.
111. ***Eremoplastron magnodentatum***  
 Kofoid & Mac Lennan  
*Distribution* : Kolkata.
112. ***Eudiplodinium maggii*** (Fiorentini)  
*Host* : Goat, Buffalo, Sheep, Barking Deer.  
*Distribution* : Kolkata and Darjiling.
113. ***Metadinium carinatum*** Ghosh  
*Host* : Cow.  
*Distribution* : Kolkata.
114. ***Metadinium medium*** Awerinzew & Mutafoa  
*Host* : *Capra hircus*.  
*Distribution* : Kolkata.
115. ***Metadinium quadratum*** Ghosh  
*Host* : Cow.  
*Distribution* : Kolkata.
116. ***Metadinium rotundatum*** Kofoid & Christenson  
*Host* : Cow.  
*Distribution* : Kolkata.
117. ***Ophryoscolex eberleini*** Ghosh  
*Distribution* : Kolkata.
118. ***Ophryoscolex inermis*** Stein  
*Host* : Goat.  
*Distribution* : Kolkata.
119. ***Ophryoscolex spinosus*** Kofoid & Mac Lennan  
*Host* : Cow.  
*Distribution* : Kolkata.
120. ***Ophryoscolex tricoronatus*** (Dogiel)  
*Host* : *Capra hircus*.  
*Distribution* : Kolkata.
121. ***Ostracodium mammosum*** (Railliet)  
*Host* : Cow.  
*Distribution* : Kolkata.
122. ***Ostracodium rugoloricatum*** Kofoid  
*Host* : Buffalo.  
*Distribution* : Kolkata.
123. ***Polyplastron bengalensis***  
 Chowdhury & Chatterjee  
*Host* : Goat.  
*Distribution* : Kolkata.
124. ***Triplocladina bovis*** Ghosh  
*Host* : Cow.  
*Distribution* : Kolkata.
- Order TRICHOSTOMATIDA  
 Family ISOTRICHIDAE
125. ***Dasytricha ruminantium*** Schuberg  
*Host* : *Capra hircus*.  
*Distribution* : Kolkata.
126. ***Isotricha prostoma*** Stein  
*Host* : *Capra hircus*.  
*Distribution* : Kolkata.

## PROTISTA : PROTOZOA (PARASITIC PROTOZOA)

- |  |   |
|--|---|
| <p>Kingdom    PROTISTA</p> <p>Subkingdom    PROTOZOA</p> <p>    Phylum    SARCOMASTIGOPHORA</p> <p>Sub phylum    MASTIGOPHORA</p> <p>    Class    PHYTOMASTIGOPHOREA</p> <p>    Order    EUGLENIDA</p> <p>    Sub order    EUGLENINA</p> <p>    Family    ASTASIIDAE</p> | <p>6. <i>Trypanosoma mega</i> Dutton &amp; Todd<br/>Host : <i>Rana limnocharis</i>.<br/>Distribution : Bankura and Bardhaman.</p>   |
| <p>1. <b><i>Copromonas ruminantum</i></b> Woodcock<br/>Host : <i>Sus scrofa</i>.<br/>Distribution : South 24 Pgs.</p> <p>    Order    CHRYSOMONADIDA</p> <p>    Family    CROMULINIDAE</p>   | <p>7. <b><i>Trypannosoma</i></b> sp.<br/>Host : <i>Nandus nandus</i>.<br/>Distribution : Maldah.</p>  |
| <p>2. <b><i>Oikomonas communis</i></b> Liebetanz<br/>Host : <i>Capra hircus</i>.<br/>Distribution : Kolkata.</p> <p>    Class    ZOOMASTIGOPHOREA</p> <p>    Order    KINETOPLASTIDA</p> <p>    Sub order    BODONINA</p> <p>    Family    BODONIDAE</p>                 | <p>8. <b><i>Trypanosoma anabasi</i></b> Mandal<br/>Host : <i>Anabas testudineus</i>.<br/>Distribution : South 24 Pgs. and Murshidabad.</p>  |
| <p>3. <b><i>Bodomonas rebae</i></b> Tripathi<br/>Host : <i>Catla catla</i>, <i>Cirrhinus mrigala</i>, <i>Cirrhinus reba</i>, <i>Labeo rohita</i>.<br/>Distribution : Not known.</p> <p>    Family    CRYPTOBIDAE</p>   | <p>9. <b><i>Trypanosoma arneti</i></b> Mandal<br/>Host : <i>Mastacembelus armatus</i>.<br/>Distribution : South 24 Pgs.</p>   |
| <p>4. <b><i>Trypanoplasma indica</i></b> (Mandal)<br/>Host : <i>Mystus vittatus</i>.<br/>Distribution : South 24 Pgs.</p> <p>    Suborder    TRYPANOSOMATINA</p> <p>    Family    TRYPANOSOMATIDAE</p>   | <p>10. <b><i>Trypanosoma avium</i></b> Danilewsky<br/>Host : <i>Acrocephalus dumetorum</i>, <i>Dicrurus adsimilis</i>, <i>Lonchura malabarica</i>.<br/>Distribution : North 24 Pgs., South 24 Pgs. and Kolkata.</p> |
| <p>5. <b><i>Leishmania donovani</i></b><br/>Laveran &amp; Mesnil<br/>Host : <i>Phlebotomus papatasi</i>.<br/>Distribution : North 24 Pgs., South 24 Pgs., Bardhaman and Murshidabad.</p>   | <p>11. <b><i>Trypanosoma avium bakeri</i></b><br/>Chatterjee &amp; Ray<br/>Host : <i>Columba livia</i>, <i>Dendrocitta vagabunda</i>., <i>Pycnonotus jocosus</i>.<br/>Distribution : Kolkata.</p>                   |
|  | <p>12. <b><i>Trypanosoma bathithaensis</i></b> Ray<br/>Host : <i>Ileobdella nociva</i>, <i>Lissemys punctata</i>.<br/>Distribution : Bankura.</p>   |
|  | <p>13. <b><i>Trypanosoma batrachi</i></b> Qadri<br/>Host : <i>Clarias batrachus</i>.<br/>Distribution : South 24 Pgs., Kolkata and Koch Bihar.</p>  |
|  | <p>14. <b><i>Trypanosoma bengalensis</i></b> Mandal<br/>Host : <i>Mystus bleekeri</i>.<br/>Distribution : South 24 Pgs.</p>   |
|  | <p>15. <b><i>Trypanosoma cancelli</i></b> Mandal<br/>Host : <i>Xenotodon cancelli</i>.<br/>Distribution : South 24 Pgs.</p>   |

16. ***Trypanosoma chattoni***  
Mathis & Leger  
Host : *Rana limnocharis*.  
Distribution : Jalpaiguri.
17. ***Trypanosoma choudhuryi*** Mandal  
Host : *Hemiclepsis marginata marginata*.  
Distribution : North 24 Pgs. and Bankura.
18. ***Trypanosoma danilewskyi***  
***saccobranchi*** Qadri  
Host : *Heteropneustes fossilis*.  
Distribution : Kolkata and Murshidabad.
19. ***Trypanosoma elongatus***  
Ray Chaudhuri & Misra  
Host : *Channa punctatus*.  
Distribution : Kolkata.
20. ***Trypanosoma enhydris***  
Sinha & Mandal  
Host : *Enhydris enhydris*.  
Distribution : Darjiling, Koch Bihar and Nadia.
21. ***Trypanosoma evansi*** (Steel)  
Host : *Panthera pardus*, *Panthera tigris*,  
*Panthera unca*.  
Distribution : Kolkata and Darjiling.
22. ***Trypanosoma gachuii***  
Misra, Chandra & Choudhury  
Host : *Hemiclepsis marginata*.  
Distribution : Kolkata.
23. ***Trypanosoma gangetica*** Sinha  
Host : *Trionyx gangeticus*.  
Distribution : North 24 Pgs.
24. ***Trypanosoma gobida*** Mandal  
Host : *Glossogobius giuris*.  
Distribution : South 24 Pgs.
25. ***Trypanosoma granulorum***  
Laveran & Mesnil  
Host : *Amphipnous* sp.  
Distribution : North 24 Pgs.
26. ***Trypanosoma hanna*** Pittaluga  
Host : *Columba livia*.  
Distribution : South 24 Pgs.
27. ***Trypanosoma indicum*** Luhe  
Host : *Petaurista magnificus*, *Petaurista nobilis nobilis*.  
Distribution : Darjiling.
28. ***Trypanosoma inopinatum***  
Sergent & Sergent  
Host : *Rana hexadactyla*.  
Distribution : Bankura.
29. ***Trypanosoma karyozeukton***  
Dutton & Todd  
Host : *Rana hexadactyla*.  
Distribution : Hugli.
30. ***Trypanosoma lanii***  
Choudhury & Misra  
Host : *Lanius schach tricolor*.  
Distribution : Kolkata.
31. ***Trypanosoma lewisi*** (Kent)  
Host : *Bandicota bengalensis*.  
Distribution : Kolkata.
32. ***Trypanosoma loricatedum*** (Mayer)  
Host : *Rana tigrina*.  
Distribution : Bankura.
33. ***Trypanosoma maguri***  
Tandon & Joshi  
Host : *Clarias batrachus*.  
Distribution : Kolkata.
34. ***Trypanosoma mukasai*** Hoare  
Host : *Tilapia mossambica*.  
Distribution : North 24 Pgs., South 24 Pgs.,  
Bankura, Birbhum, Bardhaman, Kolkata,  
Darjiling, Haora, Hugli, Jalpaiguri, Koch Bihar,  
Maldah, Medinipur, Murshidabad, Nadia,  
Puruliya and Dinajpur.
35. ***Trypanosoma mukundi***  
Ray Chaudhuri & Misra  
Host : *Heteropneustes fossilis*.  
Distribution : Kolkata.
36. ***Trypanosoma nandi***  
Mukherjee & Haldar  
Host : *Nandus nandus*.  
Distribution : Nadia.



37. ***Trypanosoma pancali*** Mandal  
Host : *Mastacembelus pancalus*.  
Distribution : South 24 Pgs., Kolkata and Maldah.
38. ***Trypanosoma punctati***  
Hasan & Qasim  
Host : *Ophicephalus punctatus*.  
Distribution : Dinajpur.
39. ***Trypanosoma ranarum*** (Lankester)  
Host : *Rana tigrina*.  
Distribution : Barddhaman and Darjiling.
40. ***Trypanosoma rhinolophonis***  
Pal & Dasgupta  
Host : *Rhinolophus rouxi rouxi*.  
Distribution : Darjiling.
41. ***Trypanosoma rotatorium*** (Mayer)  
Host : *Bufo melanostictus*, *Bufo stomaticus*,  
*Helobdella nociva*, *Rana cyanophlyctis*.  
Distribution : Bankura, Kolkata, Hugli,  
Jalpaiguri, Koch Bihar, Maldah and  
Murshidabad.
42. ***Trypanosoma seenghali*** Joshi  
Host : *Mystus seenghala*.  
Distribution : Kolkata.
43. ***Trypanosoma*** sp.  
Host : *Aorichthys aor*.  
Distribution : Kolkata and Darjiling.
44. ***Trypanosoma striati*** Qadri  
Host : *Channa striatus*.  
Distribution : South 24 Pgs., Kolkata and  
Dinajpur.
45. ***Trypanosoma systoma***  
Ray & Choudhury  
Host : *Uperodon systoma*.  
Distribution : Medinipur.
46. ***Trypanosoma tandoni*** Mandal  
Host : *Wallago attu*.  
Distribution : South 24 Pgs.
47. ***Trypanosoma taprobanica***  
Ray & Choudhury  
Host : *Rana tigrina*.  
Distribution : Barddhaman, Darjiling,  
Medinipur and Puruliya.
48. ***Trypanosoma vittati*** Tandon & Joshi  
Host : *Mystus vittatus*.  
Distribution : South 24 Pgs. and Koch Bihar.
49. ***Trypanosoma xenentodoni***  
Das, Sarkar & Bandopadhyay  
Host : *Xenetodon cancila*.  
Distribution : Maldah.
- Order RETORTOMONADIDA  
Family CALLIMASTIGIDAE
50. ***Chilomastrix frontalis*** Braune  
Host : *Capra hircus*.  
Distribution : Kolkata.
51. ***Selenomonas ruminantium*** var.  
***caprae***  
Host : *Capra hircus*.  
Distribution : Kolkata.
- Family CHILOMASTIGIDAE
52. ***Chilomastrix caprae*** Fonseca  
Host : *Capra hircus*.  
Distribution : Kolkata.
53. ***Chilomastrix mesnili*** Wenyon  
Host : *Homo sapiens*.  
Distribution : Kolkata.
- Family TETRAMITIDAE
54. ***Costia necatrix*** (Henneguy)  
Host : *Channa punctatus*, *Channa striatus*,  
Indian carps.  
Distribution : North 24 Pgs. and South 24  
Pgs.
55. ***Enteromonas hominis*** da Fonseca  
Host : *Homo sapiens*.  
Distribution : Kolkata.

Order DIPLOMONADIDA  
Suborder DIPLOMONADINA  
Family HEXAMITIDAE

56. *Giardia intestinalis* (Lambl)

*Host* : *Homo sapiens*.

*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Birbhum, Barddhaman, Kolkata, Darjiling, Haora, Hugli, Jalpaiguri, Koch Bihar, Maldah, Medinipur, Murshidabad, Nadia, Puruliya and Dinajpur.

Order TRICHOMONADIDA  
Family MONOCERCOMADIDAE

57. *Monocercomonas caprae* Das Gupta

*Host* : *Capra hircus*.

*Distribution* : Kolkata.

58. *Monocercomonas ruminantum*  
(Braune)

*Host* : *Axis axis*.

*Distribution* : South 24 Pgs.

Family Trichomonadidae

59. *Pentatrichomonas hominis*  
(Davaine)

*Host* : *Canis aureus*.

*Distribution* : Kolkata.

60. *Trichomonas gallinae* (Rivolta)

*Host* : *Milvus migrans*.

*Distribution* : Kolkata.

61. *Trichomonas ruminatum* Braune

*Host* : *Capra hircus*.

*Distribution* : Kolkata.

62. *Trichomonas thukuni* Ray & Singh

*Host* : *Cavia cutleri*.

*Distribution* : Kolkata.

63. *Trichomonas vaginalis* Donne

*Host* : *Homo sapiens*.

*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Birbhum, Barddhaman, Kolkata, Darjiling, Haora, Hugli, Jalpaiguri, Koch Bihar, Maldah, Medinipur, Murshidabad, Nadia, Puruliya and Dinajpur.

Order HYPERMASTIGIDA  
Sub order LOPHOMONADINA  
Family LOPHOMONADIDAE

64. *Lophomonas striata* Butschli

*Host* : *Periplaneta americana*.

*Distribution* : Kolkata.

Subphylum OPALINATA  
Class OPALINATEA  
Order OPALINIDA  
Family OPALINIDAE

65. *Cepedea longa* (Bezzenberger)

*Host* : *Bufo melanostictus*, *Rhacophorus maculatus*.

*Distribution* : South 24 Pgs. and Kolkata.

66. *Cepedea srivastavai*  
Mukherjee & Chakraborty

*Host* : *Rhacophorus maculatus*.

*Distribution* : Kolkata.

67. *Hegneriella mukundai*  
Chandra & Choudhury

*Host* : *Kaloula pulchra taprobanica*.

*Distribution* : Medinipur.

68. *Opalina plicata* Ghosh

*Host* : *Bufo melanostictus*.

*Distribution* : Kolkata.

69. *Opalina scalpriformis* Ghosh

*Host* : *Bufo melanostictus*.

*Distribution* : Kolkata, Darjiling, Maldah and Murshidabad.

70. *Opalina triangularis* Ghosh

*Host* : *Bufo himalayana*, *Bufo melanostictus*.

*Distribution* : Birbhum, Kolkata and Koch Bihar.

Subphylum Sarcodina  
Class Lobosea  
Sub class Gymnamoeba  
Order Amoebida  
Family Endamoebidae

71. *Dientamoeba fragilis* Jepps & Dobell

*Host* : *Macaca irus*, *Macaca mulatta*.

*Distribution* : South 24 Pgs. and Kolkata.

72. ***Entamoeba cervis***  
Mandal & Choudhury  
Host : *Axis axis*.  
Distribution : South 24 Pgs. and Kolkata.
73. ***Entamoeba chattoni*** Swellengrebel  
Host : *Macaca mulatta*.  
Distribution : South 24 Pgs.
74. ***Entamoeba chiropteris***  
Mandal & Choudhury  
Host : *Scotophilus kuhli kuhli*.  
Distribution : South 24 Pgs.
75. ***Entamoeba coli***  
Host : *Homo sapiens*, *Macaca mulatta*.  
Distribution : South 24 Pgs. and Kolkata.
76. ***Entamoeba histolytica*** Schaudinn  
Host : *Homo sapiens*.  
Distribution : North 24 Pgs., South 24 Pgs., Bankura, Birbhum, Bardhaman, Kolkata, Darjiling, Haora, Hugli, Jalpaiguri, Koch Bihar, Maldah, Medinipur, Murshidabad, Nadia, Puruliya and Dinajpur.
77. ***Entamoeba muris*** (Grassi)  
Host : *Rattus rattus arboreus*.  
Distribution : South 24 Pgs.
78. ***Entamoeba ovis*** Swellengrebel  
Host : *Capra hircus*.  
Distribution : South 24 Pgs. and Kolkata.
79. ***Entamoeba suis*** Hartmann  
Host : *Sus scrofa scrofa*.  
Distribution : South 24 Pgs.
80. ***Iodamoeba butschlii*** (Prowazek)  
Host : *Macaca mulatta*, *Sus scrofa*.  
Distribution : South 24 Pgs.
- |           |               |
|-----------|---------------|
| Phylum    | APCOMPLEXA    |
| Class     | SPOROZOEAE    |
| Subclass  | GREGARINA     |
| Order     | EUGREGARINIDA |
| Sub order | ASEPTATINA    |
| Family    | MONOCYSTIDAE  |
81. ***Apolocystis akaryosomiferus***  
Pradhan & Dasgupta  
Host : *Pheretima robusta*.  
Distribution : Darjiling.
82. ***Apolocystis goomtiensis***  
Pradhan & Dasgupta  
Host : *Pheretima differgens*.  
Distribution : Darjiling.
83. ***Apolocystis monokaryosomiferus***  
Pradhan & Dasgupta  
Host : *Pheretima robusta*.  
Distribution : Darjiling.
84. ***Apolocystis vacuolatus***  
Pradhan & Dasgupta  
Host : *Pheretima alexandri*.  
Distribution : Darjiling.
85. ***Bisurculus variegatus***  
Pradhan & Dasgupta  
Host : *Amyntas hawayanus*.  
Distribution : Darjiling.
86. ***Informis informis***  
Pradhan & Dasgupta  
Host : *Apporectodea trapezoides*.  
Distribution : Darjiling.
87. ***Informis pseudotentaculatus***  
Pradhan & Dasgupta  
Host : *Apporectodea trapezoides*.  
Distribution : Darjiling.
88. ***Monocystis amynthae***  
Bandyopadhyay et al.  
Host : *Amyntas hawayanus*.  
Distribution : West Bengal.
89. ***Monocystis apporectodae***  
Bandyopadhyay et al.  
Host : *Apporectodea trapezoides*.  
Distribution : West Bengal.
90. ***Monocystis barasatansis***  
Chakraborty and Bandyopadhyay  
Host : *Metaphire houlleti*.  
Distribution : West Bengal.
91. ***Monocystis beddardi*** Ghosh  
Host : *Eutyphoeus nicholsoni*.  
Distribution : Kolkata.

92. ***Monocystis bengalensis*** Ghosh  
Host : *Pheretima posthuma*.

Distribution : Kolkata.

93. ***Monocystis Clubae***  
Bandyopadhyay *et al.*

Host : *Lampito nauritii*.

Distribution : West Bengal.

94. ***Monocystis Darjilingensis***  
Bandyopadhyay and Mitra

Host : *Metaphire haulleti*.

Distribution : West Bengal.

95. ***Monocystis illoidi*** Ghosh

Host : *Pheretima posthuma*.

Distribution : Kolkata.

96. ***Monocystis levinei***  
Bandyopadhyay *et al.*

Host : *Eutyphoeus incommodatus*.

Distribution : West Bengal.

97. ***Monocystis metaphirae***  
Bandyopadhyay *et al.*

Host : *Metaphire houlleti*.

Distribution : West Bengal.

98. ***Monocystis ranaghatensis***  
Bandyopadhyay and Mitra

Host : *Metaphire houlleti*.

Distribution : West Bengal.

99. ***Monocystis senchalensis***  
Pradhan & Das Gupta

Host : *Apporectodea trapezoids*.

Distribution : Darjiling.

100. ***Nematocystis bengalensis***  
Roy Chowdhury & Halder

Host : *Eutyphoeus incommodus*.

Distribution : North 24 Pgs.

101. ***Nematocystis indicus***  
Bandyopadhyay *et al.*

Host : *Perionyx exeavatus*.

Distribution : West Bengal.

102. ***Nematocystis levinei***  
Pradhan & Dasgupta

Host : *Eutyphoeus gammiei*.

Distribution : Darjiling.

103. ***Nematocystis mangpooensis***  
Pradhan & Dasgupta

Host : *Eutyphoeus gammiei*.

Distribution : Darjiling.

104. ***Nematocystis mauritii***  
Roy Choudhury & Halder

Host : *Lampito mauriti*.

Distribution : North 24 Pgs.

105. ***Nematocystis quadrikaryosomata***  
Pradhan & Dasgupta

Host : *Pheretima differingens*.

Distribution : Darjiling.

106. ***Nematocystis senchalensis***  
Pradhan & Dasgupta

Host : *Apporectodea trapezoides*.

Distribution : Darjiling.

107. ***Nematocystis theodoridis***  
Pradhan & Dasgupta

Host : *Pheretima differingens*.

Distribution : Darjiling.

108. ***Dirhyachocystis indica***  
Bandyopadhyay and Mitra

Host : *Lampito mauritii*.

Distribution : West Bengal.

Family STOMATOPHORIDAE

109. ***Chakravartiella sugereiformes***  
Misra & Raychaudhury

Host : *Trigoniulus goesii*.

Distribution : North 24 Pgs.

110. ***Stomatophora bahli***  
Pradhan & Dasgupta

Host : *Pheretima differingens*.

Distribution : Darjiling.

111. ***Stomatophora cloptoni***  
Bandyopadhyay and Mitra

Host : *Entophoeus orientalis*.

Distribution : West Bengal.

112. ***Stomatophora diadema*** Hesse  
Host : *Pheretima posthuma*.  
Distribution : Kolkata.
113. ***Stomatophora globa***  
Pradhan & Dasgupta  
Host : *Pheretima alexandri*.  
Distribution : Darjiling.
114. ***Stomatophora majumdari***  
Bandyopadhyay *et al.*  
Host : *Metaphire posthuma*.  
Distribution : West Bengal.
115. ***Stomatophora pedongensis***  
Pradhan & Dasgupta  
Host : *Pheretima differingens*.  
Distribution : Darjiling.
116. ***Stomatophora pradhansis***  
Roy Chowdhury & Haldar  
Host : *Metaphire posthuma*.  
Distribution : North 24 Pgs.
117. ***Stomatophora indica***  
Bandyopadhyay *et al.*  
Host : *Amyntas diffringens*.  
Distribution : West Bengal.  
Family ZYGOCYSTIDAE
118. ***Zygocystis indicus***  
Pradhan & Das Gupta  
Host : *Pheretima californica*.  
Distribution : Darjiling.
119. ***Zygocystis perionykae***  
Bandyopadhyay and Mitra  
Host : *Perionyx gravelleyi*.  
Distribution : West Bengal.  
Family ENTEROCYSTIDAE
120. ***Enterocystis bengalensis*** Sarkar  
Host : *Psocatropos* sp.  
Distribution : North 24 Pgs.  
Family DIPLOCYSTIDAE
121. ***Lankesteria culicis*** (Ross)  
Host : *Aedes (Stegomyia) aegypti*, *Aedes (Stegomyia) albopictus*.  
Distribution : Kolkata.
122. ***Lankesteria mackiei***  
(Shortt & Swaminath)  
Host : *Phlebotomus argentipes*, *P. papatasi*.  
Distribution : Kolkata.  
Suborder SEPTATINA  
Family ACTINOCEPHALIDAE
123. ***Acanthospora bengalensis***  
Sarkar & Haldar  
Host : *Ceriagrion cerinorubellum*.  
Distribution : Hugli.
124. ***Actinocephalus ceriagrionae***  
Sarkar & Chakravarty  
Host : *Ceriagrion coromandelianum*.  
Distribution : Kolkata.
125. ***Actinocephalus ellipsoidus***  
Sarkar & Haldar  
Host : *Iscnura delicata*.  
Distribution : Nadia.
126. ***Actinocephalus longus*** Sarkar  
Host : *Enallagma pervum*.  
Distribution : Darjiling.
127. ***Ancyriophora ischnurae***  
Sarkar & Haldar  
Host : *Iscnura senegalensis*.  
Distribution : Hugli.
128. ***Ancyriophora ovoides***  
Sarkar & Haldar  
Host : *Iscnura delicata*.  
Distribution : North 24 Pgs.
129. ***Stylocystis chowdhurya*** Sarkar and  
Mazumder  
Host : *Cryptophagus* sp.  
Distribution : West Bengal.
130. ***Globulocephalus enconocephalae***  
Mandal and Ray  
Host : *Euconocephalus pallidus*.  
Distribution : West Bengal.
131. ***Odonaticola longicollara***  
Sarkar & Haldar  
Host : *Brachythemis conteaminat*.  
Distribution : Hugli.

132. ***Odonaticola nonacantha***  
Devdhar & Deshpande
133. ***Caulocephalus crenata***  
Bhatia & Setna  
*Host* : *Aulacophora foveicollis*.  
*Distribution* : Kolkata.
134. ***Chilogregarina bhatiae*** Sarkar  
*Host* : *Geophilus* sp.  
*Distribution* : Hugli.
135. ***Crucocephalus dufouri*** Sarkar  
*Host* : *Dermestes* sp.  
*Distribution* : North 24 Pgs.
136. ***Harendraia intricata*** Sarkar  
*Host* : *Ptinus* sp.  
*Distribution* : North 24 Pgs.
137. ***Hoplorhynchus carusi***  
Sarkar & Mazumdar  
*Host* : *Pseudagrion decorum*.  
*Distribution* : Darjiling.
138. ***Hoplorhynchus polyhamatus***  
Hoshide  
*Host* : *Munius strigata*.  
*Distribution* : Darjiling.
139. ***Hoplorhynchus ramidigitus***  
Sarkar & Haldar  
*Host* : *Agriocnemis pygmaea*.  
*Distribution* : Hugli.
140. ***Menospora coenagrui***  
Sarkar & Haldar  
*Host* : *Coenagrion dyeri*.  
*Distribution* : Hugli.
141. ***Menospora enallagmae***  
Sarkar & Haldar  
*Host* : *Enallagma parvum*.  
*Distribution* : Darjiling.
142. ***Mukundella undulatus*** Sarkar  
*Host* : *Enallagma* sp.  
*Distribution* : North 24 Pgs. and Hugli.
143. ***Mukundella vannus*** Sarkar  
*Host* : *Onychogargia astrocianna*.  
*Distribution* : Darjiling.
144. ***Odonaticola amojya***  
Biswas *et al.*  
*Host* : *Crocothenis s servilia*.  
*Distribution* : West Bengal
145. ***Odonaticola aspinosa***  
Biswas *et al.*  
*Host* : *Crocothenis s servilia*.  
*Distribution* : West Bengal
146. ***Odonaticola brachydiplaxi***  
Sarkar & Mazumder  
*Host* : *Brachidiplax farinose*.  
*Distribution* : Darjiling.
147. ***Odonaticola bradinopyga***  
Biswas *et al.*  
*Host* : *Bradinopyga geminata*.  
*Distribution* : West Bengal
148. ***Odonaticola elliptica*** Sarkar  
*Host* : *Crocothemis servilia servilia*.  
*Distribution* : Bankura.
149. ***Odonaticola hexacantha***  
Sarkar & Haldar  
*Host* : *Brachythemis contaminata*.  
*Distribution* : Hugli.  
*Host* : *Urothemis signata signata*.  
*Distribution* : Hugli.
150. ***Odonaticola orthetri***  
Sarkar & Haldar  
*Host* : *Orthetrum sabina*.  
*Distribution* : Hugli.
151. ***Odonaticola rodgii***  
Sarkar & Haldar  
*Host* : *Neurothermis tullia tullia*.  
*Distribution* : Nadia.
152. ***Odonaticola truncatus*** Sarkar  
*Host* : *Pseudagrion decorum*.  
*Distribution* : Darjiling.
153. ***Pyxinia reneae*** Sarkar  
*Host* : *Evorinea iota*.  
*Distribution* : Murshidabad.
154. ***Quadruspinospora acridae***  
Haldar & Chakravarty  
*Host* : *Acrida exaltata*.  
*Distribution* : Nadia.

155. ***Quadruspinospora adigitalis***  
Datta *et al.*  
Host : *Phaeoba antennata*.  
Distribution : Nadia.
156. ***Quadruspinospora ailopii***  
Sarkar & Chakravarty  
Host : *Ailopus* sp.  
Distribution : Haora.
157. ***Quadruspinospora attratomorphae***  
Halder & Chakravarty  
Host : *Attractomorpha crenulata*.  
Distribution : Nadia.
158. ***Quadruspinospora caudata***  
Modak *et al.*  
Host : *Gesonula punctifrons*.  
Distribution : West Bengal
159. ***Quadruspinospora chakravartyi***  
Chakravarty & Halder  
Host : *Aiolpus tamulus*.  
Distribution : Nadia.
160. ***Quadruspinospora cloptoni***  
Modak *et al.*  
Host : *Oxya hyla hyla*.  
Distribution : West Bengal
161. ***Quadruspinospora dichotoma***  
Kundu & Halder  
Host : *Spathosternum* sp.  
Distribution : Nadia.
162. ***Quadruspinospora indoaiolopi***  
Halder & Chakraborty  
Host : *Aiolopus* sp.  
Distribution : Nadia.
163. ***Quadruspinospora gasonulae*** Datta  
*et al.*  
Host : *Gesonula punctifrons*.  
Distribution : Nadia.
164. ***Quadruspinospora jalpaiguriensis***  
Datta *et al.*  
Host : *Oxya* sp.  
Distribution : Nadia.
165. ***Quadruspinospora megaspinosa***  
Halder & Chakraborty  
Host : *Trilophidia annulata*.  
Distribution : Nadia.
166. ***Quadruspinospora platyepimerita***  
Datta *et al.*  
Host : *Oxya hyla*.  
Distribution : Nadia.
167. ***Quadruspinospora*** sp.  
Host : *Oxya* sp.  
Distribution : Nadia.
168. ***Ramicephalus olivacus***  
Sarkar & Halder  
Host : *Ceriagrion olivacum*.  
Distribution : Hugli.
169. ***Steinina alphotobii***  
Sarkar & Chakravarty  
Host : *Alphotobius piceus*.  
Distribution : Kolkata.
170. ***Steinina chowdhurya*** Sarkar  
Host : *Cryptophagus* sp.  
Distribution : Bankura.
171. ***Steinina gonocephali***  
Modak *et al.*  
Host : *Gonocephalun strigatum*.  
Distribution : West Bengal
172. ***Steinina indica*** Mandal and Ray  
Host : *Psylla* sp.  
Distribution : Nadia
173. ***Steinina microgoni***  
Sarkar & Chakravarty  
Host : *Anoplogenus microgonus*.  
Distribution : Kolkata.
174. ***Steinina palorusi*** Gupta & Halder  
Host : *Palorus* sp.  
Distribution : Nadia.
175. ***Steinina singhi*** Ghosh & Halder  
Host : *Palorus ratzebergii*.  
Distribution : Hugli.
176. ***Steinina triboli*** Modak *et al.*  
Host : *Tribolium castaneum*.  
Distribution : Kolkata.
177. ***Tetractinora victoris***  
Sarkar & Halder  
Host : *Ceriagrion coromandelianum*.  
Distribution : Nadia.

## Family BRUSTIOSPORIDAE

178. *Brustiospora indicola*

Kundu &amp; Haldar

*Host* : *Stethorus* sp.*Distribution* : Nadia.

## Family CEPHALOIDOPHORIDAE

179. *Cephaloidophora metaplaxi*

(Pearse)

*Host* : *Metaplax dentipes*.*Distribution* : South 24 Pgs.

## Family DACTYLOPHORIDAE

180. *Grebneckiella navillae*

(Mitra &amp; Chakravarty)

*Host* : *Scolopendra* sp.*Distribution* : Kolkata.

## Family DIDYMOPHIDAE

181. *Didymophyes indiae*

Kundu, Datta &amp; Haldar

*Host* : *Euparattetix histricus*.*Distribution* : Nadia.182. *Didymophyes lipai*

Ghosh, Gupta &amp; Haldar

*Host* : *Oryzaephilus mercator*.*Distribution* : Kolkata.183. *Didymophyes arthopterae*

Patra and Haldar

*Host* : *Euparattetix* sp.; *Ergatettix* sp.*Distribution* : Nadia.184. *Didymophyes oryzaephilae*

Ghosh, Gupta &amp; Haldar

*Host* : *Oryzaephilus mercator*.*Distribution* : Hugli.185. *Didymophyes rigidus*

Ghosh, Gupta &amp; Haldar

*Host* : *Oryzaephilus mercator*.*Distribution* : North 24 Pgs.186. *Didymophyes tridactylae*

Ghosh, Gupta &amp; Haldar

*Host* : *Tridactylus* sp.*Distribution* : Nadia.187. *Didymophyes tridactyli*Datta *et al.**Host* : *Trydactylus* sp.*Distribution* : Nadia.188. *Laterospora acridida*

Chatterjee and Halder

*Host* : Unidentified orthopteran nymph (Acrididae).*Distribution* : Nadia.189. *Laterospora phenacocca*

Halдар, Ray &amp; Bose

*Host* : *Phenacoccus hirsutus*.*Distribution* : Medinipur and Nadia.190. *Laterospora triboli*

Modak and Halder

*Host* : *Tribolium castaneum*.*Distribution* : Nadia.191. *Laterospora triducta*

Modak and Halder

*Host* : *Micraspis discolour*.*Distribution* : Nadia.192. *Laterospora* sp.*Host* : *Coccinella transversallis*.*Distribution* : Nadia.193. *Liposcilisus coronatus*

Sarkar &amp; Haldar

*Distribution* : North 24 Pgs.194. *Quadruhyalodiscus gallerucidae*

Kundu &amp; Haldar

*Host* : *Gallerucida bicolor*.*Distribution* : Nadia.

## Family GREGARINIDAE

195. *Anisolobus royii* com.novDas *et al.**Host* : *Oryzaephilus mercator*.*Distribution* : Kolkata.196. *Gregarina alcidessi*

Halдар &amp; Chakravarty

*Host* : *Alcede* sp. nr. *leopardus*.*Distribution* : Nadia.



197. ***Gregarina amoji***  
Datta et al.  
Host : *Tribolium castaneum*.  
Distribution : Nadia.
198. ***Gregarina basantii***  
Mandal and Ray  
Host : *Periplaneta americana*.  
Distribution : South 24 Pgs.
199. ***Gregarina basiconstrictones***  
Ghosh, Sengupta & Haldar  
Host : *Tribolium castaneum*.  
Distribution : Hugli.
200. ***Gregarina bilobosa***  
Kundu & Haldar  
Host : *Longitarsus* sp..  
Distribution : Nadia.
201. ***Gregarina chaetocnema*** Sarkar  
Host : *Chaetocnema concinuipeis*.  
Distribution : Nadia.
202. ***Gregarina crescentica***  
Haldar & Chakravarty  
Host : *Amblyrrhinus* sp.  
Distribution : Nadia.
203. ***Gregarina cylindrosa***  
Haldar & Kundu  
Host : *Supella supellectilium*.  
Distribution : Nadia.
204. ***Gregarina dasguptai***  
Mandal et al.  
Host : *Coccinella septempunctata*.  
Distribution : Darjiling.
205. ***Gregarina discocephala***  
Kundu & Haldar  
Host : Nymph of Blattodea.  
Distribution : Nadia.
206. ***Gregarina gryllodis***  
Haldar & Sarkar  
Host : *Gryllodes* sp.  
Distribution : Hugli.
207. ***Gregarina guttiventra***  
Haldar & Sarkar  
Host : *Plebeogryllus guttiventra*.  
Distribution : North 24 Pgs.
208. ***Gregarina Ischnopterae***  
Datta & Haldar  
Host : *Ischnoptera* sp.  
Distribution : Nadia.
209. ***Gregarina levinei*** Haldar & Sarkar  
Host : *Pteronemobius fascipense*.  
Distribution : Hugli.
210. ***Gregarina lygeusi***  
Haldar, Ray & Gupta  
Host : *Lygeus hospes*.  
Distribution : Nadia.
211. ***Gregarina mukundai***  
Haldar & Kundu  
Host : Nymph of Dictyoptera.  
Distribution : Nadia.
212. ***Gregarina nala***  
Datta & Haldar  
Host : *Nala lividipes*.  
Distribution : Nadia.
213. ***Gregarina puruliensis***  
Modak et al.  
Host : *Ducetia japonica*.  
Distribution : Purulia.
214. ***Gregarina sitophili***  
Saha et al.  
Host : *Sitophila oryzae*.  
Distribution : Nadia.
215. ***Gregarina spraguei***  
Haldar & Chakraborty  
Host : Beetle.  
Distribution : Nadia.
216. ***Gregarina vannacephala***  
Sengupta and Haldar  
Host : *Gryllodes* sp.  
Distribution : Nadia.

217. ***Gregarina veraniae***  
Datta *et al.*  
*Host* : *Verania discolour*.  
*Distribution* : Nadia
218. ***Gregarina xenocatantopa***  
Modak *et al.*  
*Host* : *Xenocatantopa humilis*.  
*Distribution* : Nadia.
219. ***Hirmocystis alphetobiusi***  
Datta *et al.*  
*Host* : *Alphetobius piceus*.  
*Distribution* : Nadia.
220. ***Hirmocystis antennae***  
Datta *et al.*  
*Host* : *Phlacoba antennata*.  
*Distribution* : Nadia.
- Family HIRMOCYSTIDAE
221. ***Hirmocystis bengalensis***  
Halder & Chakraborty  
*Host* : *Myllocerus* sp.  
*Distribution* : Nadia.
222. ***Hirmocystis clorinis***  
Chatterjee and Halder  
*Host* : *Cleorina* sp.  
*Distribution* : Nadia.
223. ***Hirmocystis cloptoni***  
Modak and Halder  
*Host* : *Tribolium castaneum*.  
*Distribution* : Nadia.
224. ***Hirmocystis coccinelli***  
Datta *et al.*  
*Host* : *Coccinella transversalis*.  
*Distribution* : Nadia.
225. ***Hirmocystis coreyris***  
Chatterjee and Halder  
*Host* : *Corcyra cephalonica*.  
*Distribution* : Nadia.
226. ***Hirmocystis hoplasomae***  
Kundu & Halder  
*Host* : *Hoplasoma unicolor*.  
*Distribution* : Nadia.
227. ***Hirmocystis lepropi***  
Halder & Chakraborty  
*Host* : *Leprosus* sp.  
*Distribution* : Nadia.
228. ***Hirmocystis lophocateri***  
Ghosh & Halder  
*Host* : *Lophocateres pusillus*.  
*Distribution* : Nadia.
229. ***Hirmocystis minuta*** (Ishii)  
*Host* : *Oryzaephilus mercator*.  
*Distribution* : Kolkata.
230. ***Hirmocystis murtii***  
Datta *et al.*  
*Host* : *Gesonula punctifrons*.  
*Distribution* : Nadia.
231. ***Hirmocystis oxyae***  
Mandal and Ray  
*Host* : *Oxya fuscovittata*.  
*Distribution* : South 24 Pgs.
232. ***Hirmocystis oxcata***  
Ghosh, Sengupta & Halder  
*Host* : *Tribolium castneum*.  
*Distribution* : Hugli.
233. ***Hirmocystis palorusi***  
Saha *et al.*  
*Host* : *Palorus ratzaburgii*.  
*Distribution* : North 24 Pgs.
234. ***Hirmocystis pitcharis***  
Halder & Chakraborty  
*Host* : *Zanthoprochilus* sp.  
*Distribution* : Nadia.
235. ***Hirmocystis pseudoductis***  
Halder & Chakraborty  
*Host* : *Myllocerus* sp.  
*Distribution* : Nadia.
236. ***Hirmocystis psyllae***  
Mandal and Ray  
*Host* : *Psylla* sp.  
*Distribution* : South 24 Pgs.

237. ***Hirmocystis theodoridesi***  
Kundu & Haldar  
Host : *Gryllotalpa africana*.  
Distribution : Nadia.
238. ***Hirmocystis triboli***  
Ghosh & Haldar  
Host : *Tribolium castaneum*.  
Distribution : Nadia.
239. ***Retractocephalus aulacophorae***  
Haldar, Chakraborty & Kundu  
Host : *Aulacophora intermedia*.  
Distribution : Nadia.
240. ***Retractocephalus halticus***  
Haldar, Chakraborty & Kundu  
Host : *Haltica* sp.  
Distribution : Nadia.
241. ***Retractocephalus raphidopalpae***  
Haldar & Chakraborty  
Host : *Raphidopalpa foveicollis*.  
Distribution : Nadia.
242. ***Retractocephalus spatulatus***  
Haldar, Chakraborty & Kundu  
Host : *Lema* sp.  
Distribution : Nadia.
243. ***Retractocephalus spinosus***  
Haldar, Chakraborty & Kundu  
Host : *Monolepta signata*.  
Distribution : Nadia.
- Family LEIDYANIDAE
244. ***Amphiplatyspora striata***  
Kundu & Haldar  
Host : *Pteronemobius concolor*.  
Distribution : Nadia.
245. ***Leidyana cephalonica***  
Ghosh and Choudhury  
Host : *Corcyra cephalonica*.  
Distribution : North 24 Pgs.
246. ***Leidyana cephalonii***  
Saha et al.  
Host : *Corcyra cephalonica*.  
Distribution : North 24 Pgs.
247. ***Leidyana guttventra*** Sarkar  
Host : *Plebeiogryllus guativentra*.  
Distribution : Hugli.
248. ***Leidyana linguata***  
Haldar & Sarkar  
Host : *Pteronemobius concolor*.  
Distribution : Nadia.
249. ***Leidyana oryzaephili*** Roy  
Host : *Oryzaephilus mercator*.  
Distribution : Kolkata.
- Family MONODUCTIDAE
250. ***Monoductus lunatus***  
Ray & Chakravarty  
Host : *Strongylsoma contortipes*.  
Distribution : Kolkata.
251. ***Phleobum collarum***  
Kundu & Haldar  
Host : *Phleoba infumata*.  
Distribution : Nadia.
252. ***Phleobum gigantinum*** Haldar  
Host : *Phleoba antennata*.  
Distribution : Nadia.
- Family NEOHIRMOCYSTIDAE
253. ***Neohirmocystis dercetini***  
Ghosh, Ray & Haldar  
Host : *Dercetina* sp.  
Distribution : Nadia.
254. ***Neohirmocystis grassei***  
Ghosh, Ray & Haldar  
Host : *Tribolium castaneum*.  
Distribution : Hugli.
- Family STENOPHORIDAE
255. ***Hyalosporina cambolopsisae***  
Chakraborty  
Host : *Cambolopsis* sp.  
Distribution : Kolkata.
256. ***Hyalosporina rayi***  
Chakraborty & Mitra  
Host : *Polydesmus* sp.  
Distribution : Kolkata.

257. ***Stenophora ellipsoidi***  
Chakraborty  
*Host* : *Diplopoda* sp.  
*Distribution* : Kolkata.
258. ***Stenophora khagendrae*** Ray  
*Host* : *Zikadesmus* sp.  
*Distribution* : Kolkata.
259. ***Stenophora shyamaprasadi***  
Chakraborty  
*Host* : *Cormocephalus dentipes*.  
*Distribution* : Kolkata.  
Family STYLOCEPHALIDAE
260. ***Lepismatophila cruszi***  
Kundu & Haldar  
*Host* : *Acrotelsa collaris*.  
*Distribution* : Nadia.
261. ***Lepismatophila rhombocephala***  
Haldar & Chakraborty  
*Host* : *Ctenolepisma nigra*.  
*Distribution* : Nadia.
262. ***Stylocephalus apapillatus***  
Haldar & Chakravarty  
*Host* : *Gonocephalum* sp.  
*Distribution* : Nadia.
263. ***Stylocephalus tetraradiata***  
Modak and Haldar, 2006  
*Host* : *Gonocephalum* sp.  
*Distribution* : Nadia.  
Family ACTINOCEPHALIDAE
264. ***Actinocephalus longus*** Sarkar  
*Host* : *Enallagna pervum*.  
*Distribution* : Nadia.
265. ***Pileocephalus bengalensis***  
Modak and Haldar  
*Host* : *Rhizopertha dominica*.  
*Distribution* : Nadia.
266. ***Pileocephalus seriocornii***  
Saha *et al.*  
*Host* : *Lasioderma scriocorae*.  
*Distribution* : North 24 Pgs.
- Sub class COCCIDIA  
Order EUCOCCIDA  
Sub order ADELEINA  
Family ADELEIDAE
267. ***Adelina schellaki*** Ray & Dasgupta  
*Host* : *Cormocephalus dentipes*.  
*Distribution* : Kolkata.
268. ***Adelea castana*** Ghosh *et al.*  
*Host* : Coleoptera.  
*Distribution* : Kolkata.
269. ***Adelea palorusi*** Ghosh *et al.*  
*Host* : Coleoptera.  
*Distribution* : Kolkata.
270. ***Adelea pieci*** Ghosh *et al.*  
*Host* : Coleoptera.  
*Distribution* : Kolkata.  
Family HAEMOGREGARINIDAE
271. ***Haemogregarina berestneffi***  
Castellani & Willey  
*Host* : *Rana cyanophlystis*.  
*Distribution* : Bankura, Darjiling and Murshidabad.
272. ***Haemogregarina bergalensis*** Sinha  
*Host* : *Xenochrophis piscator*.  
*Distribution* : Darjiling.
273. ***Haemogregarina choudhuryi***  
Ray & Bhattacharjee  
*Host* : *Lissemys punctata. punctata*.  
*Distribution* : Bankura.
274. ***Haemogregarina colisa***  
Mandal, Ray, Sarkar & Kahali  
*Host* : *Colisa fasciata*.  
*Distribution* : South 24 Pgs.
275. ***Haemogregarina gangetica*** Misra  
*Host* : *Trionyx gengeticus*.  
*Distribution* : Bankura.
276. ***Haemogregarina kaloulae*** Ray & Choudhury  
*Host* : *Koloula pulchra taprobanica*.  
*Distribution* : Bankura and Murshidabad.

277. ***Haemogregarina maculatus*** Ray & Choudhury  
 Host : *Rhacophora maculatus*.  
 Distribution : Bankura.
278. ***Haemogregarina magna*** (Grassi & Feletti)  
 Host : *Rana limnocharis*, *Rana tigrina*.  
 Distribution : Bankura and Jalpaiguri.
279. ***Haemogregarina nucleobisecans*** Shortt  
 Host : *Bufo andersoni*, *Bufo melanostictus*.  
 Distribution : South 24 Pgs., Bankura, Maldah and Puruliya.
280. ***Haemogregarina pattoni*** Ray & Choudhury  
 Host : *Rana hexadactyla*.  
 Distribution : Medinipur.
281. ***Haemogregarina perinucleophilum*** Ray & Choudhury  
 Host : *Rana tigrina*.  
 Distribution : Bankura.
282. ***Haemogregarina pulchra*** Ray & Choudhury  
 Host : *Kaloula pulchra*.  
 Distribution : Puruliya.
283. ***Haemogregarina*** sp.  
 Host : *Bufo himalayanus*.  
 Distribution : Darjiling.
284. ***Haemogregarina*** sp.  
 Host : *Hemidactylus flaviviridis*.  
 Distribution : Jalpaiguri.
285. ***Haemogregarina*** sp.  
 Host : *Natrix stolata*.  
 Distribution : Koch Bihar.
286. ***Haemogregarina*** sp.  
 Host : *Enhydris enhydris*.  
 Distribution : Nadia.
287. ***Haemogregarina*** sp.  
 Host : *Mabuya carinata*.  
 Distribution : Dinajpur.
288. ***Haemogregarina xaveri*** de Mello  
 Host : *Lisemys punctatata*.  
 Distribution : Kolkata.
289. ***Hepatozoon mucosus*** Sinha  
 Host : *Ptyas mucosus*.  
 Distribution : North 24 Pgs.
290. ***Hepatozoon*** sp.  
 Host : *Petaurista magnificus*.  
 Distribution : Darjiling.
- Suborder EIMERIINA  
 Family EIMERIIDAE
291. ***Caryospora bengalensis*** Mandal  
 Host : *Enhydris enhydris*.  
 Distribution : Nadia.
292. ***Caryospora cobrae*** Nandi  
 Host : *Naja naja*.  
 Distribution : Bardhaman.
293. ***Caryospora gekkonis*** Chakravarty & Kar  
 Host : *Gecko gecko*.  
 Distribution : Kolkata.
294. ***Dorisa aethiopsaris*** (Chakravarty & Kar)  
 Host : *Acridotheres fuscus fuscus*.  
 Distribution : Kolkata.
295. ***Dorisa bengalensis*** Bandopadhyay & Ray  
 Host : *Funambulus pennanti*.  
 Distribution : Haora.
296. ***Dorisa chakravartyi*** (Ray & Sarkar)  
 Host : *Lonchura malabarica*, *Lonchura punctulata*.  
 Distribution : Kolkata.
297. ***Dorisa graculae*** Mandal, Nandi, Chakraborty, Bhowmik, Sarkar & Roy  
 Host : *Gracula religiosa*.  
 Distribution : Darjiling.

298. ***Dorisa hareni*** (Chakravarty & Kar)  
 Host : *Amandava amandava*, *Lonchura malabarica*, *Lonchura malabarica malacca*, *Lonchura punctulata*.  
 Distribution : Kolkata.
299. ***Dorisa harpia*** (Sinha & Dasgupta)  
 Host : *Harpiocephalus harpia lasyarus*.  
 Distribution : Darjiling.
300. ***Dorisa indica*** Bandopadhyay, Ray & Bhattacharjee  
 Host : *Rattus rattus arboreus*.  
 Distribution : Haora.
301. ***Dorisa mandali*** (Ray & Sarkar)  
 Host : *Zosterops palpebrosa*.  
 Distribution : Kolkata.
302. ***Dorisa passeris*** (Ray & Sarkar)  
 Host : *Passer domesticus*.  
 Distribution : Kolkata.
303. ***Dorisa vagabundae*** (Mandal & Chakravarty)  
 Host : *Dendrocitta vagabunda*.  
 Distribution : Kolkata.
304. ***Eimeria ahsata*** Honess  
 Host : *Ovis sp.*, *Capra hircus*.  
 Distribution : North 24 Pgs., South 24 Pgs. and Kolkata.
305. ***Eimeria alectorae*** Ray & Hiregaudar  
 Host : *Alectoris graeca*.  
 Distribution : Kolkata.
306. ***Eimeria anili*** Haldar, Ray & Mandal  
 Host : *Sturnas contra contra*.  
 Distribution : Nadia.
307. ***Eimeria antilocervi*** Ray & Mandal  
 Host : *Antelope cervicapra*.  
 Distribution : Kolkata.
308. ***Eimeria arloingi*** (Marotel)  
 Host : *Capra hircus*.  
 Distribution : North 24 Pgs., South 24 Pgs. and Kolkata.
309. ***Eimeria bandicota*** Bandopadhyay and Dasgupta  
 Host : *Bandicota bengalensis*.  
 Distribution : Darjiling.
310. ***Eimeria bandipurensis*** Ray, Banik & Mukherjee  
 Host : *Funambulus palmarum*.  
 Distribution : Hugli.
311. ***Eimeria barbata*** Kar  
 Host : *Cyanops asiatica asiatica*.  
 Distribution : Kolkata.
312. ***Eimeria bengalensis*** Paul, Ghosh & Haldar  
 Host : *Gallus domesticus*.  
 Distribution : Barddhaman.
313. ***Eimeria bhutanensis*** Ray & Hiregaudar  
 Host : *Plyplectron bicoloratum*.  
 Distribution : Kolkata.
314. ***Eimeria biswaspatti*** Bandopadhyay  
 Host : *Bandicota indica*.  
 Distribution : Haora.
315. ***Eimeria bongaonensis*** Sinha & Sinha  
 Host : *Gekko gekko*.  
 Distribution : North 24 Pgs.
316. ***Eimeria cervis*** Mandal & Choudhury  
 Host : *Axis axis*.  
 Distribution : South 24 Pgs.
317. ***Eimeria charadrii*** Mandal  
 Host : *Charadrius asiaticus*.  
 Distribution : South 24 Pgs.
318. ***Eimeria christensenii*** Levine, Ivens & Fritz  
 Host : *Capra hircus*.  
 Distribution : Kolkata.
319. ***Eimeria clupearum*** (Thelohan)  
 Host : *Homo sapiens*.  
 Distribution : Kolkata.

320. ***Eimeria columbae*** Mitra & Dasgupta  
Host : *Columba intermedia*.  
Distribution : Kolkata.
321. ***Eimeria comminispora***  
Bandopadhyay & Dasgupta  
Host : *Peturista magnificus*.  
Distribution : Darjiling.
322. ***Eimeria coturnicis*** Chakraborty & Kar  
Host : *Coturnix coturnix coturnix*.  
Distribution : Kolkata.
323. ***Eimeria crandallis*** Honess  
Host : *Capra hircus*.  
Distribution : Kolkata.
324. ***Eimeria cyanophlyctis***  
Chakravarty & Kar  
Host : *Rana cyanophlyctis*.  
Distribution : Kolkata.
325. ***Eimeria Darjilingensis*** Sinha & Sinha  
Host : *Suncus murinus soccatus*.  
Distribution : Darjiling.
326. ***Eimeria dauki*** Bhatia & Pande  
Host : *Amaurornis phoenicurus*.  
Distribution : North 24 Pgs.
327. ***Eimeria falviviridis*** Setna & Bana  
Host : *Hemidactylus flaviviridis*.  
Distribution : North 24 Pgs. and Kolkata.
328. ***Eimeria faurei*** (Moussus & Marotel)  
Host : *Capra hircus*.  
Distribution : Kolkata.
329. ***Eimeria fibrilosa*** Mandal  
Host : *Enhydris enhydris*.  
Distribution : North 24 Pgs.
330. ***Eimeria gallinagoi*** Mandal  
Host : *Gallinago gallinago*.  
Distribution : South 24 Pgs.
331. ***Eimeria gallusae*** Paul, Ghosh & Haldar  
Host : *Gallus domestica*.  
Distribution : North 24 Pgs.
332. ***Eimeria garumarana*** Bandopadhyay and Dasgupta  
Host : *Rattus rattus brunneusculus*.  
Distribution : Jalpaiguri.
333. ***Eimeria gennaeuscus*** Ray & Hiregaudar  
Host : *Gennaeseus horsfieldi*.  
Distribution : Kolkata.
334. ***Eimeria glossogobii*** Mukherjee & Haldar  
Host : *Glossogobius giuris*.  
Distribution : South 24 Pgs. and Nadia.
335. ***Eimeria granulose*** Christensen  
Host : *Capra hircus*.  
Distribution : Kolkata.
336. ***Eimeria gupti*** Bhatia  
Host : *Natrix piscator*.  
Distribution : Kolkata.
337. ***Eimeria harpodoni*** Setna & Bana  
Host : *Harpodon nehereus*.  
Distribution : Kolkata.
338. ***Eimeria hemidactyli*** Knowles & Dasgupta  
Host : *Hemidactylus falviviridis*.  
Distribution : Kolkata.
339. ***Eimeria indiana*** Bandyopadhyay *et al.*  
Distribution : West Bengal.
340. ***Eimeria innominata*** Kar  
Host : *Lissemys punctata*.  
Distribution : Kolkata.
341. ***Eimeria intricata*** Spiegel  
Host : *Capra hircus*.  
Distribution : Kolkata.
342. ***Eimeria irregularis*** Kar  
Host : *Lissemys punctata*.  
Distribution : Kolkata.

343. *Eimeria jalpaiguriensis*  
Bandyopadhyay  
Host : *Herpestes edwardsi*.  
Distribution : Kolkata.
344. *Eimeria janovyi* Bandyopadhyay  
et al.  
Host : *Columba livia*.  
Distribution : West Bengal.
345. *Eimeria kapotei* Chatterjee & Ray  
Host : *Columba livia intermedia*.  
Distribution : Kolkata.
346. *Eimeria knowlesi* Bhatia  
Host : *Hemidactylus flaviviridis*.  
Distribution : Kolkata.
347. *Eimeria koormae* Dasgupta  
Host : *Lissemys punctata*.  
Distribution : North 24 Pgs. and Kolkata.
348. *Eimeria labbeana* (Labbe)  
Host : *Columba livia intermedia*.  
Distribution : Kolkata.
349. *Eimeria laminata* Ray  
Host : *Bufo melanostictus*.  
Distribution : Kolkata.
350. *Eimeria malaccae* Chakravarty &  
Kar  
Host : *Lonchura malacca malacca*.  
Distribution : Kolkata.
351. *Eimeria mandali* Banik & Ray  
Host : *Pavo cristatus*.  
Distribution : Kolkata.
352. *Eimeria micropylifera*  
Bandopadhyay & Dasgupta  
Host : *Petaurista magnificus*.  
Distribution : Darjiling.
353. *Eimeria murinus* Bandopadhyay &  
Dasgupta  
Host : *Suncus murinus*.  
Distribution : Haora.
354. *Eimeria najae* Ray & Dasgupta  
Host : *Naja naja*.  
Distribution : South 24 Pgs.
355. *Eimeria nasuta* Bandopadhyay &  
Dasgupta  
Host : *Petaurista magnificus*.  
Distribution : Darjiling.
356. *Eimeria neodeblicki* Vetterling  
Host : *Sus scrofa*.  
Distribution : South 24 Pgs. and Kolkata.
357. *Eimeria ninakholyakimovi*  
Yakimoff & Rostegaieff  
Host : *Capra hircus*.  
Distribution : Kolkata.
358. *Eimeria notopteri* Chakravarty & Kar  
Host : *Notopterus notopterus*.  
Distribution : Kolkata.
359. *Eimeria numeni* Mandal  
Host : *Numenius arquata*.  
Distribution : South 24 Pgs.
360. *Eimeria oryctolagi* Ray & Banik  
Host : *Oryctolagus cuniculus*.  
Distribution : Kolkata.
361. *Eimeria ovoidalis* Ray & Mandal  
Host : *Bubalus bubalis*.  
Distribution : Kolkata.
362. *Eimeria parva* Kotlan, Mocsy & Vajda  
Host : *Capra hircus*.  
Distribution : Kolkata.
363. *Eimeria pavonina* Banik & Ray  
Host : *Pavo cristatus*.  
Distribution : Kolkata.
364. *Eimeria piscatori* Ray & Dasgupta  
Host : *Natrix piscator*.  
Distribution : Kolkata.
365. *Eimeria raghunathpurensis*  
Bandyopadhyay and Sikdar  
Host : *Ovis aiven*.  
Distribution : Jalpaiguri.



366. *Eimeria roscoviensis pluvialina* Mandal  
Host : *Pluvialis appricaria*.  
Distribution : South 24 Pgs.
367. *Eimeria sibporensis* Bandopadhyay & Dasgupta  
Host : *Rattus rattus arboreus*.  
Distribution : Haora.
368. *Eimeria southwelli* Halawani  
Host : *Scolidon sorrakowah*.  
Distribution : South 24 Pgs.
369. *Eimeria spinosa* Henry  
Host : *Sus scrofa*.  
Distribution : Kolkata.
370. *Eimeria stolatae* Ray & Dasgupta  
Host : *Natrix stolata*.  
Distribution : Kolkata.
371. *Eimeria suncus* Ahuwalia, Singh, Arora, Mandal & Sarkar  
Host : *Suncus murinus siccatus*.  
Distribution : Kolkata and Darjiling.
372. *Eimeria tenella* (Raillet & Rucet)  
Host : *Gallus domesticus*.  
Distribution : Kolkata.
373. *Eimeria triangularis* Chakravarty  
Host : *Trionyx gangeticus*.  
Distribution : Kolkata.
374. *Eimeria trionyxae* Chakravarty & Kar  
Host : *Trionyx gangeticus*.  
Distribution : Kolkata.
375. *Eimeria tropicalis* Malhotra & Ray  
Host : *Columba livia intermedia*.  
Distribution : Kolkata.
376. *Eimeria vanelli* Mandal  
Host : *Vanellus malabaricus*.  
Distribution : South 24 Pgs.
377. *Eimeria zygaenae* Mandal  
Host : *Zygaena blochii*.  
Distribution : South 24 Pgs. and Medinipur.
378. *Isopora bellericae* Banik & Ray  
Host : *Bellerica pavonina regulorum*.  
Distribution : Kolkata.
379. *Isopora belli* Wenyon  
Host : *Homo sapiens*.  
Distribution : Kolkata.
380. *Isopora bengalensis* Mandal & Chakravarty  
Host : *Corvus splendens*.  
Distribution : Kolkata.
381. *Isopora calotesi* Bhatia  
Host : *Calotes versicolor*.  
Distribution : Kolkata.
382. *Isopora canis* Nemeseri  
Host : *Canis familiaris*.  
Distribution : Kolkata.
383. *Isopora capistrata* Sinha & Sinha  
Host : *Heterophasia capistrata*.  
Distribution : Darjiling.
384. *Isopora ceylonensis* Sinha, Sinha, Chattoraj, Bandopadhyay & Ghosh  
Host : *Culicicapa ceylonensis calochrysea*.  
Distribution : Darjiling.
385. *Isopora concinnus* Sinha & Sinha  
Host : *Aegithalos concinnus rubricapillus*.  
Distribution : Darjiling.
386. *Isopora copyschi* Paul, Ghosh & Haldar  
Host : *Copsychus saularis*.  
Distribution : Barddhaman.
387. *Isopora emberizae* Mandal & Chakravarty  
Host : *Emberiza bruniceps*.  
Distribution : South 24 Pgs.
388. *Isopora estrildi* Paul, Ghosh & Haldar  
Host : *Estrilda amandava*.  
Distribution : Kolkata.
389. *Isopora felis* (Wasielewsky)  
Host : *Felis domestica*.  
Distribution : Kolkata.

390. ***Isopora ginginiana*** Chakravarty & Kar  
 Host : *Acridotheres ginginianus*.  
 Distribution : Kolkata.
391. ***Isopora ginginiana tristis*** Chakravarty & Kar  
 Host : *Acridotheres tristis tristis*.  
 Distribution : Kolkata.
392. ***Isopora gypsi*** Patnaik & Mohanty  
 Host : *Gyps bengalensis*.  
 Distribution : Kolkata.
393. ***Isopora hominis*** (Railliet & Lucet)  
 Host : *Homo sapiens*.  
 Distribution : Kolkata.
394. ***Isopora knowlesi*** Ray & Dasgupta  
 Host : *Hemidactylus flaviviridis*.  
 Distribution : Kolkata.
395. ***Isopora lacazei*** (Labbe)  
 Host : *Acridotheres ginginianus*, *Acridotheres tristis tristis*, *Copsychus saularis*, *Passer domesticus*, *Ploceus philippinus*, *Pycnonotus cafer*, *Sturnus contra*.  
 Distribution : Kolkata.
396. ***Isopora leonina*** Mandal & Ray  
 Host : *Panthera leo*.  
 Distribution : Kolkata.
397. ***Isopora lonchurae*** Mandal & Chakravarty  
 Host : *Lonchura punctulata*.  
 Distribution : Kolkata.
398. ***Isopora mandali*** Paul, Ghosh & Haldar  
 Host : *Pavo cristatus*.  
 Distribution : Kolkata.
399. ***Isopora megalaimae*** Mandal & Chakravarty  
 Host : *Megalaima haemocephala*.  
 Distribution : Kolkata.
400. ***Isopora minuta*** Mitra & Dasgupta  
 Host : *Naja naja*.  
 Distribution : Kolkata.
401. ***Isopora muniae*** Chakravarty & Kar  
 Host : *Lonchura malacca malacca*.  
 Distribution : Kolkata.
402. ***Isopora psittaculae*** Chakravarty & Kar  
 Host : *Psittacula eupatria nipalensis*.  
 Distribution : Kolkata.
403. ***Isopora pycnonotae*** Mandal & Chakravarty  
 Host : *Pycnonotus jocosus*.  
 Distribution : Kolkata.
404. ***Isopora rovolta*** (Grassi)  
 Host : *Canis chaus*, *Felis domestica*, *Herpestes auropunctatus*.  
 Distribution : Kolkata.
405. ***Isopora sibporensis*** Bandopadhyay, Nandi & Das  
 Host : *Rattus rattus arboreus*.  
 Distribution : Haora.
406. ***Isopora stomaticae*** Chakravarty  
 Host : *Bufo stomaticus*.  
 Distribution : Kolkata.
407. ***Isopora sundarbanensis*** Ray & Sarkar  
 Host : *Sus scrofa*.  
 Distribution : South 24 Pgs.
408. ***Isopora temenuchii*** Chakravarty & Kar  
 Host : *Sturnus pagodarum.*, *Turdoides striatus*.  
 Distribution : Kolkata.
409. ***Isopora tropicalis*** Mukherjee & Krassner  
 Host : *Canis aureus*.  
 Distribution : Hugli.

410. **Isopora wenyoni** Ray & Dasgupta  
Host : *Rana limnocharis*, *Bufo melanostictus*, *Rana tigrina*.

Distribution : Kolkata.

411. **Isopora zosteropis** Chakravarty & Kar  
Host : *Zosterops palpebrosa palpebrosa*.  
Distribution : Kolkata.

412. **Octosporella mabuiiae** Ray

Host : *Mabuya* sp.

Distribution : Kolkata.

413. **Pythonella bengalensis** Ray &  
Dasgupta

Host : *Python* sp.

Distribution : Kolkata.

414. **Sivatoshella lonchurae** Ray &  
Sarkar

Host : *Lonchura malabarica*, *Lonchura punctulata*.

Distribution : Kolkata.

415. **Tyzzeria alleni** Chakravarty

Host : *Nettapus coromandelianus*.

Distribution : North 24 Pgs.

416. **Tyzzeria chenicusae** Ray & Sarkar

Host : *Nettapus coromandelianus*.

Distribution : North 24 Pgs.

417. **Wenyonella columbae** Haldar & Ray  
Choudhury

Host : *Columba livia intermedia*.

Distribution : Kolkata and Nadia.

418. **Wenyonella gagari** Sarkar & Ray

Host : *Anas boschus*.

Distribution : North 24 Pgs.

419. **Wenyonella hoarei** Ray & Das Gupta

Host : *Sciurus* sp.

Distribution : Haora.

420. **Wenyonella levinei** Bandopadhyay,  
Ray & Das Gupta

Host : *Rattus rattus arboreus*.

Distribution : Haora.

Family BARROUXIIDAE

421. **Goussia gadusae** Sarkar

Host : *Gadusia chapra*.

Distribution : Kolkata.

Family LANKESTERELLIDAE

422. **Lankesterella bufonis** Mansour &  
Mohammad

Host : *Bufo melanostictus*.

Distribution : Bankura.

423. **Lankesterella minina** (Chaussat)

Host : *Rana limnocharis*, *Rana tigrina*.

Distribution : Bankura, Jalpaiguri and  
Murshidabad.

424. **Lankesterella** sp.

Host : *Bufo melanostictus*.

Distribution : Darjiling.

425. **Lankesterella** sp.

Host : *Ploceus philippinus*.

Distribution : Nadia.

426. **Lankesterella** sp.

Host : *Passer domesticus*.

Distribution : Nadia.

427. **Lankesterella** sp.

Host : *Sturnus malabarica*.

Distribution : Nadia.

Family SARCOCYSTIDAE

428. **Sarcocystis blanchardi** Doflein

Host : *Bos indicus*, *Bubalus bubalis*.

Distribution : Kolkata.

Family TOXOPLASMATIDAE

429. **Toxoplasma gondii** (Nicolli &  
Manceaux)

Host : *Rattus rattus*, *Lepus* sp.

Distribution : Kolkata and Haora.

Suborder HAEMOSPORINA

Family HAEMOPROTEIDAE

430. **Haemoproteus bennetti** Greiner,  
Mandal & Nandi

Host : *Picus flavinucha*.

Distribution : Darjiling.

431. ***Haemoproteus columbae*** Kruse  
*Host* : *Columba livia*, *Columba livia intermedia.*, *C. livia domestica*, *Pseudolynchia canariensis*.  
*Distribution* : South 24 Pgs., Kolkata and Nadia.
432. ***Haemoproteus cornuata*** Bennett & Nandi  
*Host* : *Megalaima haemacephala*.  
*Distribution* : Nadia.
433. ***Haemoproteus danilewskyi*** Kruse  
*Host* : *Corvus splendens.*, *Dendrocitta vagabunda*.  
*Distribution* : Kolkata and Nadia.
434. ***Haemoproteus dicruri*** de Mello  
*Host* : *Dicrurus adsimilis*.  
*Distribution* : Nadia.
435. ***Haemoproteus fringillae*** Labbe  
*Host* : *Copsychus saularis*.  
*Distribution* : Kolkata.
436. ***Haemoproteus handai*** Maqsood  
*Host* : *Psittacula krameri manillensis*.  
*Distribution* : Kolkata.
437. ***Haemoproteus himalayanus*** Paul & Das Gupta  
*Host* : *Heterophasia capistrata*.  
*Distribution* : Darjiling.
438. ***Haemoproteus oryzivorae***  
*Host* : *Copsychus saularis.*, *Lonchura malabarica*, *Lonchura malacca ruboniger*, *Lonchura punctulata*, *Ploceus philippinus*, *Trudoides striatus*.  
*Distribution* : South 24 Pgs., Kolkata and Nadia.
439. ***Haemoproteus ovalis*** Ray & Choudhury  
*Host* : *Rana limnocharis*.  
*Distribution* : Bankura.
440. ***Haemoproteus passeris*** de Mello  
*Host* : *Sturnus contra*, *Sturnus malabaricus*.  
*Distribution* : South 24 Pgs. and Nadia.
441. ***Haemoproteus pastoris*** de Mello  
*Host* : *Sturnus contra*.  
*Distribution* : South 24 Pgs. and Nadia.
442. ***Haemoproteus rupicola*** Mandal *et al.*  
*Host* : *Noemacheilus rupicola*.  
*Distribution* : Darjiling.
443. ***Haemoproteus sanguinis*** Chakravarty & Kar.  
*Host* : *Pycnonotus jocosus emeria*.  
*Distribution* : Kolkata.
444. ***Haemoproteus timalus*** Bannett *et al.*  
*Host* : *Turdoides striatus*.  
*Distribution* : West Bengal.
445. ***Haemoproteus*** sp.  
*Host* : *Acrocephalus arundinaceus*.  
*Distribution* : Not known.
446. ***Haemoproteus*** sp.  
*Host* : *Acrocephalus stentoreus*.  
*Distribution* : Not known.
447. ***Haemoproteus*** sp.  
*Host* : *Acrocephalus dumetorum*.  
*Distribution* : Kolkata.
448. ***Haemoproteus*** sp.  
*Host* : *Cosychus malabaricus*.  
*Distribution* : Not known.
449. ***Haemoproteus*** sp.  
*Host* : *Dicrurus adsimilis*.  
*Distribution* : Not known.
450. ***Haemoproteus*** sp.  
*Host* : *Muscicapa adsimilis*.  
*Distribution* : Kolkata.
451. ***Haemoproteus*** sp.  
*Host* : *Ithopygia saturata*.  
*Distribution* : Darjiling.
452. ***Haemoproteus*** sp.  
*Host* : *Ploceus manyar*.  
*Distribution* : Not known.

453. **Haemoproteus** sp.  
Host : *Estrilda amandava*.  
Distribution : Gangetic West Bengal.
454. **Haemoproteus** sp.  
Host : *Lanius schach*.  
Distribution : Kolkata.
455. **Haemoproteus** sp.  
Host : *Lonchura malabarica*.  
Distribution : Not known.
456. **Haemoproteus** sp.  
Host : *Sturnus contra*.  
Distribution : Gangetic West Bengal.
457. **Haemoproteus** sp.  
Host : *Acrocephalus arundinaceus*.  
Distribution : Gangetic West Bengal.
458. **Haemoproteus syrnii** Mayer  
Host : *Otus scops*.  
Distribution : Nadia.
459. **Haemoproteus** sp.  
Distribution : Jalpaiguri.
460. **Haemoproteus trionyx** Misra & Choudhury  
Host : *Trionyx gangeticus*.  
Distribution : Kolkata.
461. **Haemoproteus zosteropsis** Chakravarty  
Host : *Zosterops palpebrosa palpebrosa*.  
Distribution : Kolkata.
462. **Hereicerycis** sp.  
Host : *Megalaima asiatica asiatica*, *Megalaima haemacephala*.  
Distribution : Darjiling and Nadia.
463. **Hepatocystis rayi wui** Das Gupta, Chatterjee & Ray  
Host : *Petaurista magnificus*.  
Distribution : Darjiling.
464. **Hepatocystis** sp.  
Host : *Petaurista elegans caniceps*.  
Distribution : Darjiling.
465. **Polychromophilus murinus**  
Host : *Hipposideros lankadiva*.  
Distribution : Jalpaiguri.
466. **Polychromophilus** sp.  
Host : *Rhinolophus rouxi rouxi*.  
Distribution : Darjiling.
467. **Rayella gigantea** Pal & Das Gupta  
Host : *Petaurista elegans caniceps*.  
Distribution : Darjiling.
468. **Rayella hylopetei** Dasgupta, Pal, Chatterjee & Chakravarty  
Host : *Hylopetes alboniger*.  
Distribution : Darjiling.
469. **Rayella rayi** Das Gupta  
Host : *Petaurista magnificus*.  
Distribution : Darjiling.
- Family LEUCOCYTOZOIDAE
470. **Leucocytozoon sabrazezi** Mathis & Lager  
Host : Not Known.  
Distribution : Darjiling.
- Family PLASMODIIDAE
471. **Mesnilium malariae** Misra, Haldar & Chakravarty  
Host : *Channa punctatus*.  
Distribution : Kolkata.
472. **Plasmodium circumflexum** Kikuth  
Host : *Ardeola grayi*, *Dendrocitta coromandelica*.  
Distribution : Kolkata and Nadia.
473. **Plasmodium coturnixae** Sarkar & Ray  
Host : *Coturnix coromandelica*.  
Distribution : Kolkata.
474. **Plasmodium falciparum** (Welch)  
Host : *Anopheles* sp., *Homo sapiens*.  
Distribution : North 24 Pgs., South 24 Pgs., Bankura, Birbhum, Bardhaman, Kolkata, Darjiling, Haora, Hugli, Jalpaiguri, Koch Bihar, Maldah, Medinipur, Murshidabad, Nadia., Puruliya and Dinajpur.

475. ***Plasmodium malariae*** Laveran*Host* : *Anopheles* sp., *Homo sapiens*.*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Birbhum, Bardhaman, Kolkata, Darjiling, Haora, Hugli, Jalpaiguri, Koch Bihar, Maldah, Medinipur, Murshidabad, Nadia., Puruliya and Dinajpur.476. ***Plasmodium nucleophilum***

Manwell

*Host* : *Sturnus malabaricus*.*Distribution* : Nadia.477. ***Plasmodium relictum*** Grassi & Feletti*Host* : *Aedes* sp., *Anopheles subpictus*, *Columba livia intermedia.*, *Corvus splendens.*, *Culex* sp., *Ithaginis cruentus*, *Lanius schachtricolor*, *Lonchura Malacca*.*Distribution* : South 24 Pgs., Kolkata, Darjiling and Nadia.478. ***Plasmodium*** sp.*Host* : *Accipiter virgatus affinis*.*Distribution* : Darjiling.479. ***Plasmodium*** sp.*Host* : *Dendrocitta vagabunda*.*Distribution* : Nadia.480. ***Plasmodium*** sp.*Host* : *Megalaima haemacephala*.*Distribution* : Kolkata.481. ***Plasmodium*** sp.*Host* : *Otus scops*.*Distribution* : Nadia.482. ***Plasmodium*** sp.*Host* : *Heterophasia capistrata*.*Distribution* : Darjiling.483. ***Plasmodium*** sp.*Host* : *Heterophasia capistrata*.*Distribution* : Nadia.484. ***Plasmodium*** sp.*Host* : *Ploceus philippinus*.*Distribution* : Darjiling.485. ***Plasmodium*** sp.*Host* : *Muscicapa sundra*.*Distribution* : Not known.486. ***Plasmodium*** sp.*Host* : *Sturnus contra*.*Distribution* : Not known.487. ***Plasmodium*** sp.*Host* : *Centrops sinensis*.*Distribution* : North 24 Pgs.488. ***Plasmodium*** sp.*Host* : *Sturnus malabarica*.*Distribution* : South 24 Pgs.489. ***Plasmodium vivax***

(Grassi &amp; Feletti)

*Host* : *Anopheles* sp., *Homo sapiens*.*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Birbhum, Bardhaman, Kolkata, Darjiling, Haora, Hugli, Jalpaiguri, Koch Bihar, Maldah, Medinipur, Murshidabad, Nadia, Puruliya and Dinajpur.

Subclass PIROPLASMIA

Order PIROPLASMIDA

Family ANAPLASMIDAE

490. ***Anaplasma centrale*** Theiler*Host* : *Hylopétes alboniger*.*Distribution* : Darjiling.491. ***Anaplasma marginale*** Theiler*Host* : *Hylopetes alboniger*.*Distribution* : Darjiling.492. ***Anaplasma*** sp.*Host* : Indian bats.*Distribution* : Kolkata.

Family BABESIIDAE

493. ***Babesia bengalensis***

Bandopadhyay &amp; Ray

*Host* : *Herpestes edwardsi*.*Distribution* : North 24 Pgs.

494. **Babesia bigemina**  
(Smith & Kilborne)

Host : *Bos indicus*.

Distribution : Kolkata.

495. **Babesia gibsoni** (Patton)

Host : *Canis familiaris*.

Distribution : Kolkata.

496. **Babesia motasi** Wenyon

Host : *Ovis* sp.

Distribution : Kolkata.

497. **Babesia muris** (Fantham)

Host : *Rattus rattus arboreus*.

Distribution : South 24 Pgs.

498. **Babesia vesperuginis** (Dionisi)

Host : *Scotophilus kuhli kuhli*.

Distribution : South 24 Pgs.

Family DACTYLOSOMATIDAE

499. **Dactylosoma notopteri**  
Kundu & Haldar

Host : *Notopterus notopterus*.

Distribution : Nadia.

500. **Dactylosoma** sp.

Host : *Mystus vittatus*.

Distribution : South 24 Pgs.

501. **Dactylosoma striata**  
Sarkar & Haldar

Host : *Ophicephalus striatus*.

Distribution : Hugli.

Family HAEMOHORMIDIIDAE

502. **Haemohormidium**  
(= **Babesiosoma**) **batrachi**  
(Ray Chaudhuri & Choudhury)

Host : *Clarius batrachus*.

Distribution : North 24 Pgs.

503. **Haemohormidium**  
(= **Babesiosoma**) **hareni**  
(Haldar, Misra & Chakravarty)

Host : *Channa punctatus*.

Distribution : Kolkata.

504. **Haemohormidium**  
(= **Babesiosoma**) **ophicephali**  
(Misra, Haldar & Chakravarty)

Host : *Channa punctatus*.

Distribution : Kolkata.

505. **Haemohormidium**  
(= **Babesiosoma**) sp.

Host : *Muraenesox* sp.

Distribution : South 24 Pgs.

Family THEILERIIDAE

506. **Theileria mutans** (Theiler)

Host : *Bos indicus*.

Distribution : Kolkata.

507. **Theileria parva** (Theiler)

Host : *Bos indicus*.

Distribution : Kolkata.

Phylum MICROPORA

Class MICROSPOREA

Order MICROSPORIDA

Sub order APANSPOROBLASTINA

Family NOSEMATIDAE

508. **Nosema bombycis** Nageli

Host : *Bombyx morii*.

Distribution : Maldah and Murshidabad.

Family ?

509. **Thelohania anomola** Sen

Host : *Anopheles ramsayi*.

Distribution : Kolkata.

510. **Thelohania indica** Kudo

Host : *Anopheles hyrcanus*, *Anopheles ramsayi*.

Distribution : Kolkata.

511. **Thelohania legeri** Hesse

Host : *Anopheles annularis*, *Anopheles barbirostris*, *Anopheles hyrcanus*, *Anopheles ramsayi*, *Anopheles subpictus*, *Anopheles vagus*, *Anopheles varuna*.

Distribution : Bankura.

512. *Thelohania obscura* Kudo*Host* : *Anopheles varuna*.*Distribution* : Bankura.

Phylum MYXOZOA  
 Class MYXOSPOREA  
 Order BIVALVULIDA  
 Sub order BIPOLARINA  
 Family MYXIDIIDAE

513. *Myxidium appocryptae*

Bajpai &amp; Haldar

*Host* : *Apocryptes bato*.*Distribution* : Nadia.514. *Myxidium attuum*

Sarkar

*Host* : *Wallago attu*.*Distribution* : North 24 Pgs.515. *Myxidium boddaerti*

Choudhury &amp; Nandi

*Host* : *Boleophthalmus boddaerti*.*Distribution* : South 24 Pgs.516. *Myxidium calcariferi*

Chakravarty

*Host* : *Lates calcarifer*.*Distribution* : Bankura.517. *Myxidium fasciatum* Sarkar*Host* : *Colisa fasciata*.*Distribution* : North 24 Pgs.518. *Myxidium glossogobi* Chakravarty*Host* : *Glossogobius giuris*.*Distribution* : Kolkata.519. *Myxidium haldari* Sarkar*Host* : *Hyla arborea*.*Distribution* : Nadia.520. *Myxidium heteropneustesi*

Chakravarty

*Host* : *Heteropneustes fossilis*.*Distribution* : Kolkata.521. *Myxidium islampurium*

Sarkar, Mazumdar &amp; Pramanik

*Host* : *Channa marulius*.*Distribution* : Murshidabad.522. *Myxidium leiberkuhni* Butschli*Host* : *Anabas testudineus*, *Boleophthalmus boddaerti*.*Distribution* : South 24 Pgs. and Kolkata.523. *Myxidium leptocephalichthysum*

Sarkar and Ray Chaudhury

*Host* : *Lepidocephalichthys thermalis*.*Distribution* : Hugli.524. *Myxidium menodae* Sarkar*Host* : *Aorichthys meroda menoda*.*Distribution* : Hugli.525. *Myxidium notoapterum* Sarkar*Host* : *Notopterus notopterus**Distribution* : Hugli.526. *Myxidium mystusium*

Sarkar &amp; Ray Chaudhuri

*Host* : *Mystus vittatus*.*Distribution* : Hugli.527. *Myxidium sciaenae* Sarkar*Host* : *Sciaena bleekari*.*Distribution* : Medinipur.528. *Myxidium* sp.*Host* : *Clarias batrachus*.*Distribution* : Kolkata.529. *Myxidium* sp.*Host* : *Ophicephalus punctatus*.*Distribution* : Kolkata.530. *Myxidium* sp.*Host* : *Ophicephalus punctatus*.*Distribution* : Nadia.531. *Myxidium* sp.*Host* : *Heteropneustes fossilis*.*Distribution* : Kolkata.



532. **Myxidium striatusi** Sarkar  
Host : *Ophicephalus striatus*.  
Distribution : Hugli.
533. **Sphaeromyxa corsulae**  
Sarkar & Ghosh  
Host : *Rhinomugil corsula*.  
Distribution : Bankura.
534. **Sphaeromyxa dighae**  
Sarkar & Mazumdar  
Host : *Hilsa ilisha*.  
Distribution : Medinipur.
535. **Sphaeromyxa hareni** Sarkar  
Host : *Tachysurus platystomus*.  
Distribution : Medinipur.
536. **Sphaeromyxa pultai** Tripathi  
Host : *Odontamblyopus rubicundus*.  
Distribution : North 24 Pgs.
537. **Sphaeromyxa theraponi** Tripathi  
Host : *Therapon jarbua*.  
Distribution : South 24 Pgs.
538. **Zschokkella auerbachii** (Weill)  
Host : *Bufo melanostictus*, *Rana limnocharis*, *Rana tigrina*.  
Distribution : Kolkata.
539. **Zschokkella cascasiensis** Sarkar  
Host : *Sicamugil caseasia*.  
Distribution : Hugli.
540. **Zschokkella channae** Sarkar  
Host : *Charma punctatus*.  
Distribution : Hugli.
541. **Zschokkella cirrhinae** Sarkar  
Host : *Cirrhinus reba*.  
Distribution : Hugli.
542. **Zschokkella fossilae** Chakravarty  
Host : *Heteropneustes fossilis*.  
Distribution : Kolkata.
543. **Zschokkella gobiensis**  
Sarkar and Ghosh  
Host : *Gobius giuris*.  
Distribution : Hugli.
544. **Zschokkella illishae** Chakravarty  
Host : *Hilsa ilisha*.  
Distribution : Kolkata.
545. **Zschokkella lissemysi** Chakravarty  
Host : *Lissemys punctata*.  
Distribution : Kolkata.
546. **Zschokkella platystomusi** Sarkar  
Host : *Tachysurus platystomus*.  
Distribution : Medinipur.
547. **Zschokkella pseudosciaena** Sarkar  
Host : *Pseudosciaena coibor*.  
Distribution : Hugli.
- Family ORTHOLINEIDAE
548. **Ortholinea gadusiae** Sarkar  
Host : *Gadusia chapra*.  
Distribution : Hugli.
549. **Ortholinea indica** Sarkar  
Host : *Microspiniopora cuja*.  
Distribution : Hugli.
- Family SINUOLINEIDAE
550. **Sinuolinea indica** Sarkar  
Host : *Pseudosciaera coibor*.  
Distribution : Hugli.
551. **Myxoproteus cujaeus** Sarkar  
Host : *Microspiuosa cuja*.  
Distribution : Hugli.
- Suborder EURYSPORINA  
Family CERATOMYXIDAE
552. **Ceratomyxa gobioidesi** Chakravarty  
Host : *Odontamblyopus rubicundus*.  
Distribution : Kolkata.
553. **Ceratomyxa cyanoglossi** Das et al.  
Host : *Cyanoglossus lingua*.  
Distribution : North 24 Pgs.
554. **Ceratomyxa cylindrobiconica**  
Sarkar  
Host : *Avius soua*.  
Distribution : Medinipur.

555. ***Ceratomyxa macrovalvula*** Sarkar  
Host : *Avius sagor*.  
Distribution : Medinipur.
556. ***Ceratomyxa daysciaenae***  
Sarkar and Pramanik  
Host : *Daysciaena albida*.  
Distribution : North 24 Pgs.
557. ***Ceratomyxa nengae*** Sarkar  
Host : *Tachysurus nenga*.  
Distribution : Medinipur.
558. ***Ceratomyxa sagarica***  
Choudhury & Nandi  
Host : *Boleophthalmus boddaerti*.  
Distribution : South 24 Pgs.
559. ***Ceratomyxa scatophagi***  
Chakravarty  
Host : *Scatophagus argus*.  
Distribution : Bankura.
560. ***Ceratomyxa tenulosae***  
Sarkar and Pramanik  
Host : *Tenulosa toli*.  
Distribution : North 24 Pgs.
561. ***Ceratomyxa*** sp.  
Host : *Gobioides rubicundus*.  
Distribution : Kolkata.
562. ***Ceratomyxa*** sp.  
Host : *Trichogaster fasciatus*.  
Distribution : Kolkata.
563. ***Ceratomyxa*** sp.  
Host : *Macrones gulio*.  
Distribution : Kolkata.
564. ***Ceratomyxa tartoori*** Sarkar  
Host : *Opisthopterus tartoor*.  
Distribution : Medinipur.
- Family SPHAEVOSPORIDAE
565. ***Sphaerospora corsulae***  
Sarkar and Ghosh  
Host : *Rhinomugil corsula*.  
Distribution : West Bengal.
566. ***Myxobilatus odontamblyopusi***  
Basu and Haldar  
Host : *Odontamblyopus rubicundus*.  
Distribution : Nadia.
567. ***Chloromyxum amphipnoui*** Ray  
Host : *Amblypharygodon mola*, *Amphipnous cuchia*, *Heteropneustes fossilis*.  
Distribution : North 24 Pgs. and Kolkata.
568. ***Chloromyxum clariasum*** Sarkar  
Host : *Clarias batrachus*.  
Distribution : North 24 Pgs.
569. ***Chloromyxum meglistchi*** Sarkar  
Host : *Ophicephalus punctatus*.  
Distribution : North 24 Pgs.
570. ***Chloromyxum mrigalae*** Tripathi  
Host : *Cirrhinus mrigala*.  
Distribution : North 24 Pgs.
571. ***Chloromyxum ompakii*** Sarkar  
Host : *Ompak maculatus*.  
Distribution : North 24 Pgs.
572. ***Chloromyxum puntii***  
Host : *Puntius ticto*.  
Distribution : Hugli.
573. ***Chloromyxum*** sp.  
Host : *Xenentodon cancila*.  
Distribution : North 24 Pgs.
574. ***Leptotheca latesi*** Chakravarty  
Host : *Lates calcarifer*.  
Distribution : Bankura.
575. ***Leptotheca macronesi***  
Chakravarty  
Host : *Macrones gulio*.  
Distribution : Bankura.
- Family PARVICAPSULIDAE
576. ***Neoparvicapsula monsalata***  
Sarkar  
Host : *Microspiniispora cuja*.  
Distribution : Hugli.

Family NEOTHELOHANELLIDAE

577. *Neothatohanellus catlae*

Das and Haldar

Host : *Catla catla*.

Distribution : Nadia.

578. *Neothelohanellus krishnagarensis*

Das and Haldar

Host : *Labeo calbasu*.

Distribution : Nadia.

Suborder PLATYSPORINA

Family MYXOBOLIDAE

579. *Henneguya bengalensis*

Ray & Chakravarty

Host : *Ophicephalus punctatus*.

Distribution : North 24 Pgs.

580. *Henneguya bicornuata*

Raychaudhury & Chakravarty

Host : *Ophicephalus punctatus*.

Distribution : Kolkata.

581. *Henneguya bleekeri*

Haldar & Mukherjee

Host : *Mystus bleekeri*.

Distribution : Nadia.

582. *Henneguya chaudhuryi*

Bajpai & Haldar

Host : *Ophicephalus punctatus*.

Distribution : Nadia.

583. *Henneguya latesi* Tripathi

Host : *Lates calcarifer*.

Distribution : North 24 Pgs.

584. *Henneguya mystasi* Haldar et al.

Host : *Mystus geelio*.

Distribution : Nadia.

585. *Henneguya mystusia* Sarkar

Host : *Mystus sp.*

Distribution : Hugli.

586. *Henneguya namae*

Haldar, Das & Sharma

Host : *Chanda nama*.

Distribution : Nadia.

587. *Henneguya ophicephali*

Chakravarty

Host : *Ophicephalus gachua*, *Ophicephalus punctatus*.

Distribution : North 24 Pgs. and Kolkata.

588. *Henneguya renalis*

Sarkar, Mazumdar & Pramanik

Host : *Channa maruliensis*.

Distribution : Murshidabad.

589. *Henneguya ritae*

Bajpai & Haldar

Host : *Rita rita*.

Distribution : Hugli.

590. *Henneguya rubicundi*

Haldar & Mukherjee

Host : *Odontamblyopus rubicundus*.

Distribution : Nadia.

591. *Myxobolus aligarhensis*

Bhatt & Siddiqui

Host : *Ophicephalus punctatus*.

Distribution : North 24 Pgs. and Kolkata.

592. *Myxobolus anili* Sarkar

Host : *Rhinomugil corsula*.

Distribution : South 24 Pgs.

593. *Myxobolus bankimi* Sarkar

Host : *Slcamugil cascasia*.

Distribution : South 24 Pgs.

594. *Myxobolus barbi* Tripathi

Host : *Puntius ticto*.

Distribution : North 24 Pgs.

595. *Myxobolus bengalensis*

Chakravarty & Basu

Host : *Catla catla*.

Distribution : North 24 Pgs.

596. *Myxobolus bhadurius* Sarkar

Host : *Wallago attu*.

Distribution : West Bengal.

597. *Myxobolus brachialis* Tripathi

Host : *Barbus sarana*.

Distribution : North 24 Pgs.

598. ***Myxobolus buccoroofus***  
Basu and Haldar  
*Host* : *Labeo bata*.  
*Distribution* : Nadia.
599. ***Myxobolus calbasui*** Chakravarty  
*Host* : *Cirrhinus mrigala*, *Labeo calbasu*,  
*Labeo rohita*.  
*Distribution* : Kolkata.
600. ***Myxobolus calcariferum***  
Basu and Haldar  
*Host* : *Lates calcarifer*.  
*Distribution* : Nadia.
601. ***Myxobolus catlae*** Chakravarty  
*Host* : *Catla catla*, *Cirrhinus mrigala*, *Labeo rohita*.  
*Distribution* : Kolkata.
602. ***Myxobolus catmrigalae***  
Basu and Haldar  
*Host* : *Catla-Mrigala Hybrid*.  
*Distribution* : Hugli.
603. ***Myxobolus chakravartyi***  
Haldar, Das & Sharma  
*Host* : *Catla catla*.  
*Distribution* : Nadia.
604. ***Myxobolus chinsurahensis***  
Basu and Haldar  
*Host* : *Anabas testudineus*.  
*Distribution* : Hugli.
605. ***Myxobolus clarii*** Chakravarty  
*Host* : *Clarius batrachus*.  
*Distribution* : Kolkata.
606. ***Myxobolus cylindrica***  
(Sarkar, Mazumdar & Pramanik)  
*Host* : *Channa gachua*.  
*Distribution* : North 24 Pgs. and  
Murshidabad.
607. ***Myxobolus dermatis***  
(Haldar, Mukherjee & Kundu)  
*Host* : *Labeo rohita*.  
*Distribution* : Nadia.
608. ***Myxobolus ectointestinalis***  
Mukhopadhyay and Haldar  
*Host* : *Catla catla*.  
*Distribution* : Nadia.
609. ***Myxobolus edellae***  
Sarkar  
*Host* : *Gtenopharyngodor edella*.  
*Distribution* : Kolkata.
610. ***Myxobolus eeli*** Mandal & Nair  
*Host* : *Mastacembelus armatus*.  
*Distribution* : South 24 Pgs.
611. ***Myxobolus filamentosa***  
(Haldar, Mukherjee & Kundu)  
*Host* : *Puntius filamentosus*.  
*Distribution* : Nadia.
612. ***Myxobolus indicum*** Tripathi  
*Host* : *Cirrhinus mrigala*.  
*Distribution* : North 24 Pgs.
613. ***Myxobolus indirae*** (Kundu)  
*Host* : *Cirrhinus mrigala*.  
*Distribution* : Nadia.
614. ***Myxobolus labeosus*** Sarkar  
*Host* : *Labeo fimbriatus*.  
*Distribution* : North 24 Pgs.
615. ***Myxobolus magaudi***  
(Bajpai & Halder)  
*Host* : *Colisa fasciatus*.  
*Distribution* : Nadia.
616. ***Myxobolus magurii***  
Sarkar  
*Host* : *Clarias magur*.  
*Distribution* : North 24 Pgs.
617. ***Myxobolus mahendrae*** Sarkar  
*Host* : *Catla catla*.  
*Distribution* : Hugli.
618. ***Myxobolus maruliensis***  
(Sarkar, Mazumdar & Pramanik)  
*Host* : *Channa maruliensis*.  
*Distribution* : Murshidabad.

619. ***Myxobolus monoramae***  
Basu and Haldar  
Host : *Catla-Rohu hybrid*.  
Distribution : Hugli.
620. ***Myxobolus mola***  
Sarkar  
Host : *Amblypharyngodon mola*.  
Distribution : North 24 Pgs.
621. ***Myxobolus mrigalae*** Chakravarty  
Host : *Cirrhinus mrigala*.  
Distribution : Kolkata.
622. ***Myxobolus mrigalhitae***  
Basu and Haldar  
Host : *Cimhina mrigala-Labes rohita hybrid*.  
Distribution : Nadia.
623. ***Myxobolus mustusius*** Sarkar  
Host : *Mystus vittatus*.  
Distribution : Hugli.
624. ***Myxobolus multivaderis***  
Mukhopadhyay and Haldar  
Host : *Catla catla*.  
Distribution : Nadia.
625. ***Myxobolus naihatiensis***  
Acharya *et al.*  
Host : *Cirrhira mrigala*.  
Distribution : North 24 Pgs.
626. ***Myxobolus noblei*** (Sarkar)  
Host : *Ophicephalus striatus*.  
Distribution : Hugli.
627. ***Myxobolus ophthalmasculata*** Basu  
and Haldar  
Host : *Cirrhina mrigala*.  
Distribution : Nadia
628. ***Myxobolus parsi*** Das  
Host : *Liza parsia*.  
Distribution : West Bengal.
629. ***Myxobolus renicatlae***  
Mukhopadhyay and Haldar  
Host : *Catla catla*.  
Distribution : Nadia.
630. ***Myxobolus rigida*** Sarkar  
Host : *Amblypharyagodon mola*.  
Distribution : Hugli.
631. ***Myxobolus rohitae***  
Haldar, Das & Sharma  
Host : *Labeo rohita*.  
Distribution : Hugli.
632. ***Myxobolus serrata***  
Pagarkar and Das  
Host : *Cypninus carpio*.  
Distribution : West Bengal.
633. ***Myxobolus shantipuri***  
Basu and Haldar  
Host : *Catla-Rohu hybrid*.  
Distribution : Nadia.
634. ***Myxobolus sphericum*** Tripathi  
Host : *Cirrhinus mrigala*.  
Distribution : Nadia.
635. ***Myxobolus trichogasteri*** (Sarkar)  
Host : *Colisa fasciatus*.  
Distribution : North 24 Pgs.
636. ***Myxobolus undsuturae*** Sarkar  
Host : *Amblypharyngodon mola*.  
Distribution : Hugli.
637. ***Neohenneguya tetraradiata***  
Tripathi  
Host : *Odontamblyopus rubicundus*.  
Distribution : West Bengal.
638. ***Neothelohanellus catlae***  
Das & Haldar  
Host : *Catla catla*.  
Distribution : Nadia.
639. ***Neothelohanellus krishnagarensis***  
Das & Haldar  
Host : *Labeo calbasu*.  
Distribution : Nadia.
640. ***Thelohanellus auerbachii*** Sarkar  
Host : *Tachysurus platystomus*.  
Distribution : Medinipur.

641. ***Thelohanellus avijiti***  
Basu and Haldar  
*Host* : *Labeo rohita*.  
*Distribution* : Hugli.
642. ***Thelohanellus bengalensis***  
Sarkar & Raychaudhury  
*Host* : *Catla catla*.  
*Distribution* : Hugli.
643. ***Thelohanellus bifurcata***  
Basu and Haldar  
*Host* : *Labeo rohita-Catla catla hybrid*.  
*Distribution* : Nadia.
644. ***Thelohanellus calbasu*** Tripathi  
*Host* : *Labeo calbasu*.  
*Distribution* : Hugli.
645. ***Thelohanellus catlae***  
Chakravarty & Basu  
*Host* : *Catla catla*.  
*Distribution* : North 24 Pgs.
646. ***Thelohanellus caudatus***  
Pagarkar and Das  
*Host* : *Labeo rohita*.  
*Distribution* : West Bengal.
647. ***Thelohanellus chandannagaransis***  
Basu and Haldar  
*Host* : *Catla catla*.  
*Distribution* : Hugli.
648. ***Thelohanellus coeli***  
Sarkar & Mazumdar  
*Host* : *Tachysurus tenuispinis*.  
*Distribution* : South 24 Pgs.
649. ***Thelohanellus disporomorphus***  
Basu *et al.*  
*Host* : *Cirrhina mrigala*.  
*Distribution* : Nadia.
650. ***Thelohanellus endodernitus***  
Mukhopadhyay and Haldar  
*Host* : *Labeo rohita*.  
*Distribution* : Nadia.
651. ***Thelohanellus gangeticus*** Tripathi  
*Host* : *Chela bacaila*.  
*Distribution* : North 24 Pgs.
652. ***Thelohanellus jiroveci***  
Kundu & Haldar.  
*Host* : *Labeo bata*.  
*Distribution* : Nadia.
653. ***Thelohanellus mrigalae*** Tripathi  
*Host* : *Cirrhinus mrigala*.  
*Distribution* : West Bengal.
654. ***Thelohanellus sarasinhamurtius***  
Sarkar  
*Host* : *Amblypharygodon mola*  
*Distribution* : Hugli.
655. ***Thelohanellus ophthalmicus***  
Haldar, Das & Sharma  
*Host* : *Catla catla*.  
*Distribution* : Nadia.
656. ***Thelohanellus rodgii***  
Kundu & Haldar  
*Host* : *Labeo calbasu*.  
*Distribution* : Nadia.
657. ***Thelohanellus rohitae***  
(Southwell & Prasad)  
*Host* : *Labeo rohita*.  
*Distribution* : North 24 Pgs.
658. ***Thelohanellus sanjibi***  
Sarkar & Ghosh  
*Host* : *Mystus gulio*.  
*Distribution* : Hugli.
659. ***Thelohanellus seni*** Sarkar & Ghosh  
*Host* : *Catla catla*.  
*Distribution* : North 24 Pgs. and Kolkata.
660. ***Thelohanellus sudevi***  
Sarkar & Ghosh  
*Host* : *Amblypharyngodon mola*.  
*Distribution* : Hugli.
661. ***Thelohanellus wallagoi***  
Sarkar  
*Host* : *Wallago atta*  
*Distribution* : Hugli.

Order MULTIVAVULIDA

Family KUDOIDAE

662. ***Kudoa bengalensis***

Sarkar & Mazumdar

Host : *Tachysurus platystomus*.

Distribution : South 24 Pgs.

Family TRILOSPORIDAE

663. ***Kudoa cascasia***

Sarkar & Ray Chaudhury

Host : *Sieamugil caseasia*.

Distribution : Hugli.

664. ***Kudoa coibori***

Sarkar

Host : *Pseudosciaena coibor*.

Distribution : Hugli.

665. ***Kudoa haridasae***

Sarkar & Ghosh

Host : *Mugil parsia*.

Distribution : Hugli.

666. ***Kudoa sagarica***

Das

Host : *Liza parsia*.

Distribution : Hugli.

667. ***Kudoa tachysurae***

Sarkar & Mazumdar

Host : *Tachysurus tenuispinis*.

Distribution : South 24 Pgs.

668. ***Unicapsula maxima*** Sarkar

Host : *Pseudosciana coibor*.

Distribution : Hugli.

Phylum CILIOPHORA

Class KINETOFRAGMINOPHOREA

Sub class HYPOSTOMATIA

Order RHYNCHODIDA

Family ANCISTROCOMIDAE

669. ***Ancistrocoma dissimilis*** Kozloff

Host : *Mactra luzonica*.

Distribution : Medinipur.

670. ***Ancistrocoma pelseneeri***

Chatton & Lwoff

Host : *Mactra luzonica*.

Distribution : Medinipur.

671. ***Ancistrocoma thorsoni*** Fenchel

Host : *Mactra luzonica*.

Distribution : Medinipur.

672. ***Raabella helensis*** Chatton

Host : *Modiolus striatulus*.

Distribution : Kolkata.

Subclass VESTIBULIFERIA

Order TRICHOSTOMATIDA

Sub order TRICHOSTOMATINA

Family BALANTIDIIDAE

673. ***Balantidium blattarum*** Ghosh

Host : *Periplaneta americana*.

Distribution : Kolkata.

674. ***Balantidium coli*** (Malmsten)

Host : *Sus scrofa*, *Homo sapiens*.

Distribution : South 24 Pgs. and Kolkata.

675. ***Balantidium depressum*** (Ghosh)

Host : *Pila globosa*.

Distribution : North 24 Pgs., South 24 Pgs., Kolkata and Darjiling.

676. ***Balantidium dogieli***

Das & Mukherjee

Host : *Lissemys punctata punctata*.

Distribution : Kolkata.

677. ***Balantidium helenae*** Bezenberger

Host : *Rana cyanophlyctis*., *Rana limnocharis*, *Rana hexadactyla*, *Rana tigrina*.

Distribution : Kolkata and Puruliya.

678. ***Balantidium knowlesi*** Ghosh

Host : *Culicoides peregrinus*.

Distribution : Kolkata.

679. ***Balantidium mrigalae***

Mukherjee & Haldar

Host : *Cirrhinus mrigala*.

Distribution : Nadia.

680. ***Balantidium ovatum*** Ghosh  
 Host : *Periplaneta americana*.  
 Distribution : Kolkata.
681. ***Balantidium pangasi***  
 Mukherjee & Halder  
 Host : *Pangasius pangasius*.  
 Distribution : Nadia.
682. ***Balantidium ranarum*** Ghosh  
 Host : *Rana tigrina*.  
 Distribution : Kolkata.
683. ***Balantidium rayi***  
 Pal & Das Gupta  
 Host : *Tylototriton verrucosus*.  
 Distribution : Darjiling.
684. ***Balantidium rhesum*** Ghosh  
 Host : *Macaca mulatta*.  
 Distribution : Kolkata.
685. ***Balantidium rotundum***  
 Bezenberger  
 Host : *Rana hexadactyla*, *Rana tigrina*.  
 Distribution : North 24 Pgs. and South 24 Pgs.
686. ***Balantidium sushillae*** Ray  
 Host : *Rana tigrina*.  
 Distribution : South 24 Pgs. and Kolkata.
687. ***Balantidium tylototritonis***  
 Pal & Das Gupta  
 Host : *Tylototriton vessucosus*.  
 Distribution : Darjiling.
- Class OLIGOHYMENOPHOREA  
 Sub class HYMENOSTOMATIA  
 Order ASTOMATIDA  
 Family ANOPLOPHRYIDAE
688. ***Anoplophrya aelosomatis***  
 Anderson  
 Host : *Aelosoma chlorosticum*, *Metaphire posthuma*.  
 Distribution : North 24 Pgs.
689. ***Anoplophrya anili***  
 Mukherjee & Chakrabarti  
 Host : *Perionyx excavatus*.  
 Distribution : Kolkata.
690. ***Anoplophrya chauhani***  
 Mukherjee & Chakrabarti  
 Host : *Perionyx excavatus*.  
 Distribution : North 24 Pgs.
691. ***Anoplophrya cylindrica*** Ghosh  
 Host : *Belamya bengalensis*.  
 Distribution : North 24 Pgs.
692. ***Anoplophrya elongata*** Ghosh  
 Host : Small gastropods.  
 Distribution : Kolkata.
693. ***Anoplophrya lloydi*** Ghosh  
 Host : *Metaphire posthuma*.  
 Distribution : Kolkata.
694. ***Anoplophrya lumbrici*** (Schrank)  
 Host : *Pheretima posthuma*.  
 Distribution : Kolkata.
695. ***Anoplophrya pheritima***  
 RayChaudhuri, Halder & Chakravarty  
 Host : *Metaphire posthuma*.  
 Distribution : Kolkata.
696. ***Anoplophrya variabilis*** Ghosh  
 Host : Small gastropods.  
 Distribution : Kolkata.
- Family MAUPASELLIDAE
697. ***Maupasella nova*** Capede  
 Host : *Perionyx excavatus*.  
 Distribution : North 24 Pgs.
- Order HYMENOSTOMATIDA  
 Sub order OPHRYOGLENINA  
 Family ICHTHYOPHTHIRIIDAE
698. ***Ichthyophtirius multifilis***  
 Fouquet  
 Host : *Cirrhinus mrigala*, *Labeo bata*,  
*Xiphophorus hellerii*, *Labeo rohita*, Major carps  
 Distribution : Bankura.



- Order SCUTICOCILIATIDA  
 Sub order PLEURONEMATINA  
 Family CONCHOPHTHIRIDAE
699. **Conchopthirus curtus** EngLeman  
 Host : *Lamellidens marginallis*.  
 Distribution : North 24 Pgs., South 24 Pgs.,  
 Kolkata and Medinipur.
700. **Conchopthirus elongatus** Ghosh  
 Host : *Lamellidens marginallis*.  
 Distribution : North 24 Pgs., South 24 Pgs.,  
 Kolkata and Medinipur.
701. **Conchopthirus lamellidens** Ghosh  
 Host : *Lamellidens marginallis*.  
 Distribution : North 24 Pgs., South 24 Pgs.,  
 Kolkata and Medinipur.
- Family CYCLIDIIDAE
702. **Cristigera susamai** Jamadar &  
 Choudhury  
 Host : *Crassostrea cucullata*.  
 Distribution : South 24 Pgs.
- Suborder THIGMOTRICHINA  
 Family ANCISTRIDAE
703. **Ancistrumina barbata** (Issel)  
 Host : *Cerithidea obtusa*.  
 Distribution : South 24 Pgs.
704. **Ancistrumina obtusae**  
 Jamadar & Choudhury  
 Host : *Cerithidea obtusa*.  
 Distribution : South 24 Pgs.
705. **Boveria teredinidi** Nelson  
 Host : *Mactra luzonica*.  
 Distribution : Medinipur.
706. **Fenchelia kapili**  
 Jamadar & Coudhury  
 Host : *Cerithidea obtuse*.  
 Distribution : South 24 Pgs.
707. **Fenchelia sagarica** Jamadar &  
 Choudhury  
 Host : *Cerithidea obtusa*.  
 Distribution : South 24 Pgs.

708. **Protophrya indica**  
 Jamadar & Choudhury  
 Host : *Littorina melanostoma*, *Littorina  
 scabra scabra*.  
 Distribution : South 24 Pgs.
- Family Hysterocinetidae
709. **Drilocineta perionyx**  
 Nair & Chakrabarty  
 Host : *Perionyx excavatus*.  
 Distribution : Medinipur.
- Subclass PERITRICHIA  
 Order PERITRICHIDA  
 Sub order MOBILINA  
 Family TRICHODINIDAE
710. **Trichodina gangetica**  
 Jamadar & Choudhury  
 Host : *Modiolus striatulus*.  
 Distribution : Kolkata.
711. **Trichodina cancelae** Asmat  
 Host : *Xenentodor cancela*.  
 Distribution : West Bengal.
712. **Trichodina giurusi**  
 Mitra and Bandyopadhyay  
 Host : *Glossogobius giuris*.  
 Distribution : West Bengal.
713. **Trichodina giurusi**  
 Mitra and Haldar  
 Host : *Glossogobius giuris*.  
 Distribution : Nadia.
714. **Trichodina indica** Tripathi  
 Host : *Amblypharyngodon mola*, *Catla  
 catla*, *Chanda nama*, *Chanda ranga*, *Channa  
 gachua*, *Cirrhinus mrigala*, *Cirrhinus reba*,  
*Labeo calbasu*.  
 Distribution : Bankura.
715. **Trichodina haldar**  
 Mitra and Bandyopadhyay  
 Host : *Glossogobius giuris*.  
 Distribution : North 24 Pgs.

716. *Trichodina molae*

Mitra and Haldar

Host : *Amblypharyagodon mola*.

Distribution : Nadia.

717. *Trichodina kalyniensis*

Ray and Choudhury

Host : *Rana cyanophlyctis*.

Distribution : North 24 Pgs.

718. *Trichodina mukundai*

Ray &amp; Choudhury

Host : *Bufo malanostictus*.

Distribution : North 24 Pgs.

719. *Trichodina mystusi*

Asmat and Haldar

Host : *Mystus gulio*.

Distribution : Nadia.

720. *Trichodina nigra* LomHost : Major carps, *Nandus nandus*, *Tilapia mossambica*.

Distribution : Nadia.

721. *Trichodina pediculus* Ehrenberg

Host : Tadpole.

Distribution : Kolkata.

722. *Trichodina* sp.Host : *Tilapia mossambica*.

Distribution : Kolkata.

723. *Trichodina* sp.Host : *Sphaeroides oblongus*.

Distribution : Medinipur.

724. *Trichodina* sp.Host : *Ophicephalus punctatus*.

Distribution : Nadia.

725. *Paratrachodina bassonae*

Mitra and Bandyopadhyay

Host : *Mystus cavasius*.

Distribution : North 24 Pgs.

726. *Paratrachodina notopteriae*

Saha et al.

Host : *Notopterus notopterus*.

Distribution : Kolkata.

727. *Trichodinella epizootica* (Raabe)Host : *Puntius sarana*.

Distribution : West Bengal.

728. *Tripartiella bulbosa* (Davis)Host : *Catla catla*, *Chanda nama*, *Cirrhinus mrigala*, *Labeo rohita*, *Mystus bleekeri*.

Distribution : Nadia.

729. *Tripartiella copiosa* LomHost : *Cyprinus carpio*, *Labeo rohita*.

Distribution : Nadia.

730. *Tripartiella obtusa* Ergens & LomHost : *Ctenopharyngodon idella*.

Distribution : Nadia.

Suborder SESSILINA

Family SCYPHIDIIDAE

731. *Scyphidia bengalensis*

Jamadar &amp; Choudhury

Host : *Cerithidea cingulata*.

Distribution : South 24 Pgs.

732. *Scyphidia pyriformis* TripathiHost : *Catla catla*, *Cirrhinus mrigala*, *Cirrhinus reba*, *Labeo rohita*.

Distribution : Hugli.

733. *Scyphidia ubiquita* HirshfieldHost : *Littorina melanostoma*, *Littorina scabra scabra*.

Distribution : South 24 Pgs.

Class POLYHYMENOPHOREA

Sub class SPIROTRICHA

Order HETEROTRICHIDA

Sub order CLEVELANDELLINA

Family NYCTOTHERIDAE

734. *Nyctotheroides cordiformis*

(Ehrenberg)

Host : *Bufo melanostictus*, *Rana tigrina*.

Distribution : North 24 Pgs., South 24 Pgs., Kolkata and Hugli.

735. ***Nyctotheroides bengalensis***  
Ray and Choudhury  
*Host* : *Rana tigrina*.  
*Distribution* : North 24 Pgs.
736. ***Nyctotheroides kaloulae***  
Ray and Choudhury  
*Host* : *Kaloula pulchra*.  
*Distribution* : North 24 Pgs.
737. ***Nyctotheroides ornatae***  
Ray and Choudhury  
*Host* : *Microhyla ornata*.  
*Distribution* : North 24 Pgs.
738. ***Nyctotheroides ranae***  
Ray and Choudhury  
*Host* : *Rana tigrina erassa*.  
*Distribution* : North 24 Pgs.
739. ***Nyctotheroides sundarbanensis***  
Ray and Choudhury

- Host* : *Rana cyanophlyctis*.  
*Distribution* : South 24 Pgs.
740. ***Nyctotherus chatterjeei***  
Chakravarty & Chatterjee  
*Host* : *Gryllotalpa vulgaris*.  
*Distribution* : Hugli.
741. ***Nyctotherus kempfi*** Ghosh  
*Host* : *Pila globosa*.  
*Distribution* : Kolkata.
742. ***Nyctotherus ovalis*** Leidy  
*Host* : *Periplaneta americana*.  
*Distribution* : Kolkata and Maldah.  
Family SICUOPHORIDAE
743. ***Sicuophora macropharyngeus***  
(Bezenberger)  
*Host* : *Rana tigrina*.  
*Distribution* : North 24 Pgs., South 24 Pgs.  
and Kolkata.

**PORIFERA**

Phylum PORIFERA  
 Class DEMOSPONGIAE  
 Family SPONGILLIDAE

1. ***Corvospongilla caunteri*** Annandale  
*Distribution* : Kolkata.
2. ***Corvospongilla lapidosa*** (Annandale)  
*Distribution* : North 24 Pgs.
3. ***Dosilia plumose*** (Carter)  
*Distribution* : Bankura (Susunia).
4. ***Ephydatia meyeri*** (Carter)  
*Distribution* : Haora (Domjur).
5. ***Eunapius calcuttanus*** (Annandale)  
*Distribution* : Barddhaman (Rayna) and Haora (Amta, Bagnan, Shyampur).
6. ***Eunapius carteri*** (Bowerbank)  
*Distribution* : North 24 Pgs. (Nabapally), Bankura (Bishnupur, Joyrambati, Saltora, Susunia), Birbhum (Nalhati, Sainthea), Haora (Bagnan), Hugli (Chinsura), Jalpaiguri (Alipurduar), Koch Bihar (Mathabhanga), Maldah (Maldah town), Medinipur (Contai, Ghatal, Gopiballavpur, Tamluk), Nadia (Krishnanagar), Puruliya (Bagmundi, Manbazar, Raghunathpur) and W. Dinajpur (Raiganj).
7. ***Eunapius crassissimus*** (Annandale).  
*Distribution* : Bankura (Kotalpur, Tejpal, Bishnupur), Jalpaiguri (Lataguri) and Koch Bihar (Mathabhanga).
8. ***Eunapius fragilis*** (Leidy)  
*Distribution* : Haora (Mourigram), Hugli (Janai) and Medinipur (Kolaghat, Naradari).
9. ***Radiospongilla cerebellata*** (Bowerbank)  
*Distribution* : Kolkata and South 24 Pgs.
10. ***Radiospongilla indica*** (Annandale)  
*Distribution* : Hugli and Maldah (Gajal).
11. ***Spongilla alba*** Carter  
*Distribution* : North 24 Pgs., South 24 Pgs. and Kolkata.
12. ***Spongilla lacustris*** (Linnaeus)  
*Distribution* : Bankura (Aral Bansi, Kotalpur, Saltora), Birbhum (Nalhati), Barddhaman (Galsi), Hugli (Hooghly), Maldah (Bamangola, Gajal) and Medinipur (Talpukur).
13. ***Stratospongilla indica*** (Annandale)  
*Distribution* : North 24 Pgs.
14. ***Trochospongilla latouchiana***  
 Annandale  
*Distribution* : Kolkata.
15. ***Trochospongilla philottiana***  
 Annandale  
*Distribution* : Kolkata.
16. ***Umborotula bogorensis*** (Weber)  
*Distribution* : Hugli (Kamarpukur).

## CNIDARIA

Phylum CNIDARIA  
 Class ANTHOZOA  
 Subclass HEXACORALLIA  
 Order ACTINIARIA  
 Family ACTINIIDAE

1. ***Paracondylactis indica*** Dave

*Habitat* : Muddy sand of littoral zone.

*Distribution* : East Medinipur (Digha), South 24 Pgs. (Bakkhali).

Family DIADUMENIDAE

2. ***Diadumene schilleriana*** (Stoliczka)

*Habitat* : Decaying wood in intertidal zone and shallow.

*Distribution* : South 24 Pgs. (Canning, Diamond harbour, Sagar Island), East Medinipur (Digha, Shankarapur, Junput).

Family EDWARDSIIDAE

3. ***Edwardsia tinctorix*** Annandale

*Habitat* : Burrowing form in soft muddy substratum of.

*Distribution* : South 24 Pgs. (Kakdwip).

4. ***Edwardsia jonesii*** Seshaiya & Cuttress

*Habitat* : Mangrove ecosystem, Soft muddy substratum of.

*Distribution* : South 24 Pgs. (Gangasagar, Gosaba, Jalakhati, Jharkhali, Purandar), East Medinipur (Digha Mohana).

Family HALIACTIIDAE

5. ***Nevadne glauca*** (Annandale)

*Habitat* : Marine.

*Distribution* : South 24 Pgs. (Sunderban).

6. ***Pelocoetes exul*** Annandale

*Habitat* : Soft muddy substratum of intertidal zone.

*Distribution* : South 24 Pgs. (Basanti, Gosaba, Jharkhali), East Medinipur (Digha Mohana, Jalda).

7. ***Pelocoetes minima*** Panikkar

*Habitat* : Marine form, occurring in estuary also.

*Distribution* : South 24 Pgs. (Sunderban).

8. ***Phytocoeteopsis ramunnii*** Panikkar

*Habitat* : Soft mud burrowing form in the intertidal zone.

*Distribution* : South 24 Pgs. (Sagar Island, Jharkhali).

9. ***Phytocoetes gangeticus*** Annandale

*Habitat* : Soft mud burrowing form in the intertidal zone.

*Distribution* : South 24 Pgs. (Mandirtola, Maligwalinighat, Sagar Island, Canning).

Class SCYPHOZOA

Order CORONATAE

10. ***Atolla wyvillei*** Haeckel

*Distribution* : WB Coast (off Gangetic delta).

Order CUBOMEDUSAE

Family CARYBDEIDAE

11. ***Tamoya gargantuan*** Haeckel

*Distribution* : South 24 Pgs. (Sand heads).

Order RHIZOSTOMAE

Family CASSIOPEIDAE

12. ***Cassiopea andromeda*** (Forsk.)

*Distribution* : East Medinipur (Digha).

Family CATOSTYLIDAE

13. ***Acromitus flagellatus*** (Maas)

*Distribution* : South 24 Pgs. (Canning, Gosaba, Harbar point), East Medinipur (Digha).

14. ***Acromitus rabanchatu*** Annandale

*Distribution* : East Medinipur (Digha).

15. ***Crambionella annandalei*** Rao

*Distribution* : East Medinipur (Digha).

Family CEPHEIDAE

16. ***Netrosoma typhlodendrium*** Schultze

*Distribution* : South 24 Pgs. (Gangetic delta, Canning).

Family VERSURIGIDAE

17. ***Versuriga anadyomene*** (Maas)

*Distribution* : WB Coast off Sand heads.

Class HYDROZOA

Order CHONDROPHORA

Family PORPITIDAE

18. ***Porpita porpita*** Linnaeus

*Distribution* : East Medinipur (Digha).

Family VELELLIDAE

19. ***Vellella vellella*** (Linnaeus)

*Distribution* : East Medinipur (Digha).

Order SIPHONOPHORA

Family PHYSALIDAE

20. ***Physalia physalis*** (Linnaeus)

*Distribution* : East Medinipur (Digha).

Family DIPHYIDAE

21. ***Diphyes bojani*** (Chun.)

*Distribution* : East Medinipur (Digha).

Order THECATA

Family CAMPANULARIIDAE

22. ***Obelia spinulosa*** (Bell.)

*Distribution* : East Medinipur (Digha).

Order HYDROIDA

Family HYDRIDAE

23. ***Hydra vulgaris*** Pallas

*Distribution* : Kolkata and adjoining area and Puruliya (Adra).

**CTENOPHORA**

Phylum CTENOPHORA

Class NUDA

Order BEROIDA

Family BEROIDAE

1. *Beroe* sp.*Distribution* : West Bengal Coast.

Class TENTACULATA

Order CYDIPPIDA

Family PLEUROBRACHIDAE

2. *Pleurobrachia globosa* Mosser*Distribution* : West Bengal Coast.

## PLATYHELMINTHES : CESTODA

Family AMPHILINIDAE

Subfamily GEPHYROLININAE

1. ***Gephyrolina paragonopora*** (Woodland)

Host : *Macrones aor*, *Mystus seenghala*.

Distribution : Mednipur, North 24 Pgs. and South 24 Pgs.

Family CARYOPHYLLAEIDAE

Subfamily LYTOCESTINAE

2. ***Lytocestus indicus*** (Moghe)

Host : *Clarias batrachus*.

Distribution : Barddhaman, Birbhum, Mednipur, North 24 Pgs. and South 24 Pgs.

3. ***Lytocestus longicollis*** Ramadevi

Host : *Clarias batrachus*.

Distribution : North 24 Pgs. and South 24 Pgs.

4. ***Djombangia penetrans*** Bovien

Host : *Clarias batrachus*.

Distribution : Maldah, North 24 Pgs.

5. ***Lytocestoides leptocephali*** Kundu

Host : *Lepidocestoides leptocephali*.

Distribution : North 24 Pgs.

Family PTEROBOTHRIIDAE

6. ***Syndesmobothrium filicolle*** Linton

Host : *Ilisha ilisha*.

Distribution : Kolkata.

Family DILEPIDIDAE

Subfamily DIPLIDIINAE

7. ***Dipylidium caninum*** (Linnaeus)

Host : *Paradoxurus grayi*, *P. hermaphroditus*, *Felis viverrina*.

Distribution : Darjiling (Kalimpong, Darjiling).

8. ***Joyeuxiella gervaisi*** (Setti)

Host : *Paradoxurus hermaphroditus*

Distribution : Kolkata (Zoological Garden).

9. ***Southwellia gallinarum*** (Southwell)

Host : Fowl.

Distribution : Murshidabad (Baharampur).

10. ***Prochoanotaenia microsoma*** (Southwell)

Host : Crested bunting.

Distribution : Kolkata (Zoological Garden).

Subfamily DILEPIDINAE

11. ***Lateriporus spinosus*** Fuhrmann

Host : *Adrea purpurea*.

Distribution : Kolkata (Zoological Garden).

12. ***Choanotaenuia decacantha*** Fuhrmann

Host : Snipe.

Distribution : Murshidabad.

13. ***Amoebotaenia sphenoides*** Railliet

Host : Domestic Fowl.

Distribution : Murshidabad (Baharampur).

14. ***Anomotaenia acollis*** Fuhrmann

Distribution : Kolkata (Zoological Garden).

15. ***Dilepis campylancristrota*** (Wedl)

Host : *Herodias garzetta*, *Ardeola grayi*.

Distribution : Murshidabad.

16. ***Dilepis cypselina*** Neslobinsky

Host : Treepie, *Dendrocitta leucogaster*.

Distribution : Kolkata (Zoological Garden).

17. ***Cyclorchida omalancristrota*** (Wedl)

Host : Spoonbill, *Platalea leucorodia*.

Distribution : Kolkata (Zoological Garden).

18. ***Cyclorchida forteria*** Meggitt

Host : Orange headed ground Thrush.

Distribution : Kolkata (Zoological Garden).

Subfamily PARUTERINAE

19. ***Rhabdometra tomica*** Cholodkovsky

Host : *Trancoilium pictus*.

Distribution : Kolkata (Zoological Garden).



20. **Rhabdometra dendrocitta** Woodland

Host : *Dendrocitta vagabunda*.

Distribution : Puruliya.

Family ANOPELOCEPHALIDAE

Subfamily ANOCEPHALINAE

21. **Anocephala perfoliata** (Goeze)  
Blanchard

Host : Horse, Ass.

Distribution : Comopolitan.

22. **Anocephala magna** (Abildgaard)  
Spengel

Host : Horse, Donkey.

Distribution : Kolkata.

23. **Anocephala manubriata** Railliet,  
Henry & Bouch

Host : Elephant.

Distribution : North Bengal, Kolkata (Zoological Garden).

24. **Aporina delafondi** (Railliet) Baer

Host : *Platycercus pennanti*, *Columba livia*.

Distribution : Kolkata (Zoological Garden).

25. **Bertiella studeri** (Blanchard) Stiles &  
Hassal

Host : *Simia satyrus*, *Hylobates hoolock*, Man.

Distribution : Kolkata (Zoological Garden).

26. **Moniezia expansa** (Rudolphi) Blanchard

Host : *Antilope cericapra*, *Testicercus quadricornis*, *Bos indicus*, *Capra* sp.

Distribution : Kolkata (Zoological Garden), Puruliya, Murshidabad, Barddhaman.

27. **Moniezia benedeni** (Moniez) Blanchard

Host : *Bos indicus*, *Capra* sp., Ox.

Distribution : Birbhum, Puruliya, Kolkata.

28. **Mesogovoyia pectinata** (Goeze)  
Spassky

Host : Hare, *Lepus hispidus*.

Distribution : Murshidabad (Baharampur).

29. **Paronia columbae** (Fuhrmann)

Host : *Columba livia*.

Distribution : Murshidabad (Baharampur).

30. **Oochoristica tuberculata** (Rudolphi)  
Southwell

Host : *Varanus bengalensis*.

Distribution : Medinipur, Barddhaman, North 24 Pgs. and South 24 Pgs.

31. **Oochoristica sigmoides** Moghe

Host : *Calotes versicolor*.

Distribution : Kolkata and Barddhaman.

Subfamily AVITELLINAE

32. **Avitellina centripunctata** (Rivolta)  
Woodland

Host : Cattle and Buffalo.

Distribution : Barddhaman, Jalpaiguri, Darjiling (Siliguri) and Birbhum.

33. **Avitellina goughi** Woodland

Host : Cattle, Sheep, Goat.

Distribution : Locality not known.

34. **Stilesia globipunctata** (Rivolta) Railliet

Host : Cattle.

Distribution : Darjiling (Siliguri) and Kolkata.

35. **Stilesia vittata** Railliet

Host : Sheep and Goat.

Distribution : Barddhaman, Medinipur and Darjiling.

Family DIBOTHRIOCEPHALIDAE

36. **Duthiersia expansa** Perrier

Host : *Varanus bengalensis*.

Distribution : Cosmopolitan.

37. **Bothridium pithonis** Blainville

Host : *Python reticulate*, *Naja hannah*.

Distribution : Darjiling and Kolkata (Zoological Garden).

38. **Ligula intestinalis** Bloch

Host : *Labeo calbasu*, *Labeo rohita*, *Catla catla*, *Barbus* sp., *Danio* sp. *Amblypharyngodon*, *Nemacheilus rupicola*.

Distribution : Kolkata.

Family DIPLOPOSTHIDAE

39. *Diploposthe laevis* (Bloch) Jacobi

*Host* : *Nyroca baeri*.

*Distribution* : Kolkata (Zoological Garden).

Family ONCHOBOTHRIIDAE

40. *Acanthobothrium coronatum*

(Rudolphi)

*Host* : *Rhyncobatis olyddensis*.

*Distribution* : South 24 Pgs. (Hooghly estuary).

41. *Pedibothrium hutsoni* (Southwell)

*Host* : *Ginglymostoma concolor*.

*Distribution* : Kolkata (Zoological Garden).

Family DIOECOCESTIDAE

Subfamily DIOECOCESTINAE

42. *Dioecocetus novaeguineae* Fuhrmann

*Host* : Little grebe.

*Distribution* : Kolkata (Zoological Garden).

Family MESOCESTOIDIDAE

43. *Mesocestoides lineatus* (Goeze)

*Host* : *Felis tigris*.

*Distribution* : Bankura, Bardhaman, Birbhum, Kolkata, Darjiling, Haora, Hugli, Jalpaiguri, Koch Bihar, Maldah, Mednipur, Murshidabad, Nadia, North 24 Pgs., Puruliya, South 24 Pgs., Dinajpur.

Family TETRARHYNCHIDAE

44. *Tetrarhynchus* sp.

*Host* : *Cybium guttatum*.

*Distribution* : South 24 Pgs.

Family HYMENOLEPIDIDAE

Subfamily HYMENOLEPIDINAE

45. *Hymenolepis diminuta* (Rudolphi)

*Host* : Rat.

*Distribution* : Kolkata, Jalpaiguri, South 24 Pgs.

46. *Hymenolepis gracilis* (Zeder)

*Host* : *Phoenicopterus roseus*.

*Distribution* : Kolkata (Zoological Garden).

47. *Hymenolepis lanceolata* (Bloch)

*Host* : Black Australian Swan.

*Distribution* : Bankura, Bardhaman, Birbhum, Kolkata, Darjiling, Haora, Hugli, Jalpaiguri, Koch Bihar, Maldah, Mednipur, Murshidabad, Nadia, North 24 Pgs., Puruliya, South 24 Pgs. and Dinajpur.

48. *Hymenolepis fusa* (Krabbe)

*Host* : *Larus brunneiceps*.

*Distribution* : Kolkata (Zoological Garden).

49. *Hymenolepis farciminosa* (Goeze)

*Host* : *Corvus macrorhynchus*.

*Distribution* : Kolkata (Zoological Garden).

50. *Hymenolepis capillaroides* Fuhrmann

*Host* : Snipe.

*Distribution* : Murshidabad.

51. *Hymenolepis simplex* Fuhrmann

*Host* : *Todorna cornuta*.

*Distribution* : Bankura, Bardhaman, Birbhum, Kolkata, Darjiling, Hugli, Jalpaiguri, Koch Bihar, Maldah, Mednipur, Murshidabad, Nadia, North 24 Pgs., Puruliya, South 24 Pgs. and Dinajpur

52. *Hymenolepis medici* (Stossich)

*Host* : *Pelicanus philippensis*.

*Distribution* : Bankura, Bardhaman, Birbhum, Kolkata, Darjiling, Hugli, Jalpaiguri, Koch Bihar, Maldah, Mednipur, Murshidabad, Nadia, North 24 Pgs., Puruliya, South 24 Pgs. and Dinajpur.

53. *Flamingolepis liguloides* (Gervais)

*Host* : Flamingo.

*Distribution* : Kolkata (Zoological Garden).

54. *Flamingolepis megalorchis* (Luhe)

*Host* : Flamingo.

*Distribution* : Kolkata (Zoological Garden).

55. *Passerilepsis zosteropsis* (Fuhrmann)

*Host* : Bulbul, Magpie.

*Distribution* : Kolkata (Zoological Garden).

56. *Echinocotyle rosseteri* Blanchard

Host : Domestic duck.

Distribution : Bankura, Bardhaman, Birbhum, Kolkata, Darjiling, Haora, Hugli, Jalpaiguri, Koch Bihar, Maldah, Mednipur, Murshidabad, Nadia, North 24 Pgs., Puruliya and South 24 Pgs.

57. *Echinocotyle uralensis* Clerc.

Host : Snipe.

Distribution : Locality not known.

Family TAENIIDAE

Subfamily TAENIINAE

58. *Taeniarhynchus saginatus* (Goeze)

Host : Man.

Distribution : Kolkata.

59. *Taenia solium* Linnaeus

Host : Man.

Distribution : Kolkata.

60. *Taenia hydatigera* Pallas

Host : Four horned antelope.

Distribution: Kolkata (Zoological Garden).

61. *Taenia pisiformis* (Bloch)

Host : *Felis tigris*, *Felis leo*, *Felis viverrina*.

Distribution : Locality not known.

62. *Taenia crassiceps* (Zeder)

Host : *Felis viverrina*.

Distribution : Kolkata (Zoological Garden).

63. *Multiceps gaigeri* Hall

Host : Dog.

Distribution : Kolkata

64. *Multiceps multiceps* (Leske)

Host : Jackal.

Distribution : Locality not known.

65. *Multiceps serialis* (Gervais)

Host : Dog.

Distribution : Kolkata.

Family PROTEOCEPHALIDAE

Subfamily PROTEOCEPHALINAE

66. *Gangesia bengalensis* (Southwell)

Host : *Ophiocephalus striatus*.

Distribution : Birbhum, Mednipur and Murshidabad (Baharampur).

67. *Acanthotaenia biroi* Ratz.

Host : *Varanus nebulosus*.

Distribution : Kolkata, North 24 Pgs. and South 24 Pgs.

68. *Acanthotaenia nilotica* (Beddard)

Distribution : Kolkata.

69. *Acanthotaenia beddardi* (Woodland)

Host : *Varanus bengalensis*.

Distribution : North 24 Pgs. and South 24 Pgs.

70. *Ophiotaenia calmetti* Barrois

Host : *Bungurus caeruleus*.

Distribution : Locality not known.

71. *Ophiotaenia naie* Beddard

Host : *Naja tripudians*.

Distribution : Kolkata (Indian Museum Campus).

Family NEMATOTAENIIDAE

72. *Nematotaenia dispar* (Goeze)

Host : *Bufo megalostictus*.

Distribution : Kolkata and Maldah.

Family TRIAENOPHORIDAE

73. *Anchistrocephalus* sp.

Host : *Ophiocephalus striatus*.

Distribution : Locality not known.

Family DEVAINEIDAE

Subfamily OPHRIOCOTYLINAE

74. *Ophryocotyloides monacanthis*

Moghe & Inamdar

Host : *Dendrocitta rufa*.

Distribution : Locality not known.

Subfamily DAVAINAE

75. *Davainea proglottina* Davaine

Host : Domestic fowl.

Distribution : Cosmopolitan.

76. *Cotugnia margeta* Beddard

Host : Crow.

Distribution : Birbhum, Kolkata (Zoological Garden).

77. ***Cotugnia digonophora*** (Pasquale)  
*Distribution* : Kolkata (Zoological Garden) and Murshidabad (Baharampur).
78. ***Cotugnia fastigata*** Meggitt  
*Distribution* : Barddhaman, Kolkata (Zoological Garden) and Murshidabad.
79. ***Raillietina (Raillietina) spiralis***  
 (Baczynska)  
*Host* : Green pigeon.  
*Distribution* : Barddhaman, Kolkata (Zoological Garden), Maldah and Nadia.
80. ***Raillietina (Raillietina) polychalix***  
 (Kotlan)  
*Host* : *Lorius garrulous*  
*Distribution*: Kolkata (Zoological Garden).
81. ***Raillietina (Raillietina) Microscolecina*** (Fuhrmann)  
*Host* : Parrot.  
*Distribution* : Kolkata (Zoological Garden).
82. ***Raillietina (Raillietina) cohni***  
 (Baczynska)  
*Host* : *Pterocles exustus*.  
*Distribution* : Kolkata (Zoological Garden).
83. ***Raillietina (Raillietina) friedbergerei***  
 (Linstow)  
*Host* : *Pavo nigripennis*.  
*Distribution* : Kolkata (Zoological Garden).
84. ***Raillietina (Raillietina) ceylonica***  
 (Baczynska)  
*Host* : White bellied pigeon.  
*Distribution* : Locality not known.
85. ***Raillietina (Raillietina) tetragona***  
 (Molin)  
*Host* : Tragopan pheasant.  
*Distribution* : Cosmopolitan.
86. ***Raillietina (Raillietina) fuhrmanni***  
 (Southwell)  
*Host* : *Crocopus phoenicopterus*.  
*Distribution* : Kolkata.
87. ***Raillietina (fuhrmannetta) echinobothrida*** (Megnin)  
*Host* : Domestic fowl.  
*Distribution* : Murshidabad (Baharampur).
88. ***Raillietina (fuhrmannetta) korkei***  
 Joyeux & Houdemer  
*Host* : Domestic pigeons.  
*Distribution* : Kolkata.
89. ***Raillietina (paroniella) cruciata***  
 (Rudolphi)  
*Host* : *Corvus macrorhynchus*.  
*Distribution* : Locality not known.
90. ***Raillietina (paroniella) urogalli***  
 (Modeer)  
*Host* : Partridge pheasant.  
*Distribution* : Kolkata (Zoological Garden).
91. ***Raillietina (paroniella) corvina***  
 (Fuhrmann)  
*Host* : *Felis pardus*.  
*Distribution* : Barddhaman and Kolkata.
92. ***Raillietina (paroniella) tragopani***  
 Southwell  
*Host* : Tragopan Pheasant.  
*Distribution* : Kolkata (Zoological Garden).
93. ***Raillietina (Skrjabinia) cesticillus***  
 (Molin)  
*Host* : Domestic fowl.  
*Distribution* : Barddhaman, Kolkata and Murshidabad (Baharampur).

## TREMATODA (VERTEBRATE EXCLUDING FISHES)

- |   |   |
|---|---|
| <p>Family ACANTHOSTOMIDAE<br/>Poche, 1926</p> <p>Sub family ACANTHOSTOMINAE<br/>Nicoll, 1914</p> <p>1. <b><i>Acanthostomum burminis</i></b><br/>(Bhalerao) Bhalerao, 1940<br/><i>Host</i> : <i>Xenochrophis piscator</i>.<br/><i>Distribution</i> : North 24 Pgs., South 24 Pgs.,<br/>Bankura and Puruliya.</p> <p>Family BRACHYLAOMIDAE<br/>Miller, 1936</p> <p>Sub family BRACHYLAIMINAE<br/>Miller, 1926</p> <p>2. <b><i>Glaphyrostomum indicum</i></b><br/>Mukherjee, 1964<br/><i>Host</i> : Pigeon.<br/><i>Distribution</i> : Kolkata.</p> <p>Family CEPHALOGONIMIDAE<br/>(Looss, 1899)<br/>Nicoll, 1914</p> <p>Sub family CEPHALOGONIMINAE<br/>Looss, 1899</p> <p>3. <b><i>Cephalogonium gangeticus</i></b><br/>Pande, 1937<br/><i>Host</i> : <i>Trionyx gangeticus</i>.<br/><i>Distribution</i> : Kolkata and Hugli.</p> <p>Family CYATHOCOTYLIDAE<br/>Poche, 1926</p> <p>Sub family MUEHLINGININAE<br/>Yomoguti, 1939</p> <p>4. <b><i>Muehlingina lutrai</i></b> Mehra<br/><i>Host</i> : <i>Lutra bulgaris</i>.<br/><i>Distribution</i> : Kolkata (Zoological Garden).</p> <p>Subfamily SZIDATIINAE<br/>(Dubois, 1938)</p> <p>5. <b><i>Gogatea serpentium</i></b><br/>(Gogate) Lutz, 1895<br/><i>Host</i> : <i>Xenochrophis, Natrix</i>.<br/><i>Distribution</i> : Haora, Medinipur and South<br/>24 Pgs.</p> | <p>Family CYCLOCOELIDAE<br/>Krossok, 1911</p> <p>Sub family CYCLOCOELINAE<br/>Stossich, 1902</p> <p>6. <b><i>Cyclocoelum (Cyclocoelum) mutabile</i></b> (Zeder) Brandes, 1888<br/><i>Host</i> : Stilt.<br/><i>Distribution</i> : Hugli and Puruliya.</p> <p>Family DICROCOELIIDAE<br/>Odliner, 1910</p> <p>7. <b><i>Dicrocoelium dendriticum</i></b><br/>(Rudolphi), 1968<br/><i>Host</i> : Goat.<br/><i>Distribution</i> : Darjiling.</p> <p>8. <b><i>Eurytrema pancreaticum</i></b><br/>(Johnson), 1920<br/><i>Host</i> : Cow.<br/><i>Distribution</i> : North 24 Pgs. and Kolkata.</p> <p>9. <b><i>Eurytrema bhaleraoi</i></b><br/>(Johnson) Looss, 1907<br/><i>Host</i> : Cow.<br/><i>Distribution</i> : Darjiling (Kalimpong).</p> <p>10. <b><i>Lyperosomum kakea</i></b><br/>Bhalerao, 1972<br/><i>Host</i> : <i>Corvus splendens</i>.<br/><i>Distribution</i> : Kolkata.</p> <p>11. <b><i>Lyperosomum (Lyperosomum) reangensis</i></b> Soota and Ghosh, 1973<br/><i>Host</i> : <i>Picus flavinchucha</i>.<br/><i>Distribution</i> : Darjiling.</p> <p>Family DIPLOSTOMIDAE<br/>Poirie, 1886</p> <p>Sub family ALARIINAE<br/>Yamaguti, 1926</p> <p>12. <b><i>Alaria alata</i></b> (Goeze) Krause, 1914<br/><i>Host</i> : Dog.<br/><i>Distribution</i> : Kolkata and Jalpaiguri.</p> |
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- Subfamily DIPLOSTOMINAE  
Mouhielli, 1892
13. ***Diplostomum (Delichorchis) splendens*** Manna & Choudhury  
*Host* : *Corvus splendens*.  
*Distribution* : Kolkata.
14. ***Neodiplostomum cochleare***  
(Krause, 1914) La Rue, 1926  
*Host* : Hornbill.  
*Distribution* : Kolkata (Zoological Garden).
- Family ECHINOSTOMATIDAE  
Poche, 1926
- Sub family CHAUNOCEPHALINAE  
Travassos, 1922
15. ***Chaunocephalus similiferox***  
Verma, 1936  
*Host* : Blach headed Gull, Black necked Stork.  
*Distribution* : Kolkata.
- Subfamily ECHINOSTOMATINAE  
(Looss, 1899)  
Faust 1912
16. ***Echinostoma eduardoi***  
Ghosh & Chauhan, 1972  
*Host* : *Bandicota bengalensis*.  
*Distribution* : Kolkata (Salt Lake).
17. ***Echinostoma malayanum***  
Leiper, 1914  
*Host* : *Bandicota indica*.  
*Distribution* : Kolkata and Dinajpur.
18. ***Echinostoma revolutum*** (Froelich)  
Looss  
*Host* : Duck.  
*Distribution* : Barddhaman, Haora and Medinipur.
19. ***Echinoparyphium gizzardai***  
Verma, 1936  
*Host* : Not known.  
*Distribution* : Kolkata.
20. ***Vermatrema longitestis*** (Verma)  
Srivastava  
*Host* : Black Swan.  
*Distribution* : Kolkata.
- Subfamily PSEUDOECHINOSTOMINAE  
Yamagati, 1970
21. ***Pseudoechinostomum indicus***  
Mehra, 1980  
*Host* : *Netton crecca*.  
*Distribution* : Hugli and Medinipur.
22. ***Psilorchis indicus*** Thapar & Lal, 1935  
*Host* : Domestic Duck.  
*Distribution* : Medinipur.
- Subfamily ECHINOCHASMINAE  
Odhner, 1910
23. ***Echinochasmus perfoliatus*** (Ratz,  
1908, Deitz, 1909) Gedoelst  
*Host* : Dog, Cat, Pig, Man.  
*Distribution* : Kolkata.
24. ***Episthmium corvus*** (Bhalerao, 1926)  
Price, 1931  
*Host* : *Corvus splendens*.  
*Distribution* : Kolkata.
25. ***Episthmium canium*** (Verma)  
Yamaguti, 1941  
*Host* : Dog.  
*Distribution* : Kolkata.
- Subfamily MICROPARYPHIUM,  
Dietz, 1909
26. ***Microparyphium montei*** Verma,  
1936  
*Host* : Common Kingfisher.  
*Distribution* : Kolkata.
27. ***Spisthmium caninum*** (Verma)  
Yamaguti, 1942  
*Host* : Dog.  
*Distribution* : Kolkata.
- Family FASCIOLIDAE (Railmet,  
1895)
- Subfamily FASCIOLINAE (Railmet,  
1895) Slileset Hassal,  
1898
28. ***Fasciola jacksoni*** (Cobbold, 1869)  
*Host* : Elephant.  
*Distribution* : Jalpaiguri.

29. ***Fasciola hepatica*** Linnaeus, 1758  
 Host : Cattle, Sheep.  
 Distribution : Birbhum, Kolkata, Darjiling (Darjiling, Siliguri) and Jalpaiguri.
30. ***Fasciola gigantica*** Cobbold, 1855  
 Host : Cow, Buffalo.  
 Distribution : Bankura, Kolkata and Darjiling (Siliguri, Darjiling).  
 Subfamily FASCIOLOPSINAE  
 Odhner, 1910
31. ***Fasciolopsis buski*** (Lankester, 1857)  
 Stiles, 1901  
 Host : Pig.  
 Distribution : Darjiling and Maldah.  
 Family LECITHODENDRIIDAE  
 (Luhe, 1901)  
 Odhner, 1910  
 Subfamily GANEONINAE  
 Yomoguti, 1950
32. ***Ganeo srinagarensis*** Kaw, 1950  
 Host : Frog.  
 Distribution : North 24 Pgs.
33. ***Ganeo ankholaensis*** Hafeezullah & Dutta, 1998  
 Host : Frog.  
 Distribution : Kolkata (Beliaghata).
34. ***Ganeo tigrinum*** Mehra & Negi, 1928  
 Host : Frog & Toad.  
 Distribution : North 24 Pgs., South 24 Pgs., Bankura, Haora and Medinipur (Digha).  
 Subfamily PROSTHODENDRIUM  
 Stunkard, 1938
35. ***Parabascus macrorchis*** (Gogate)  
 Skrjabin, 1943  
 Host : *Hemidactylus*, *Calotes*.  
 Distribution : Bankura, Barddhaman, Kolkata and Medinipur.
36. ***Parabascus ovatus*** (Tubangui)  
 Skrjabin, 1943  
 Host : *Calotes*, *Hemidactylus*.  
 Distribution : North 24 Pgs., South 24 Pgs., Barddhaman and Puruliya.
37. ***Prosthodendrium ovimagosum***  
 Dollfus, 1944  
 Host : Dog, Bat.  
 Distribution : Kolkata.  
 Subfamily PLEUROGENINAE  
 Travassos, 1921
38. ***Pleurogenoides gastroporus*** Luhe, 1901  
 Host : Toad, Frog.  
 Distribution : North 24 Pgs., South 24 Pgs., Hugli and Medinipur.  
 Subfamily PROSOTOSINAE  
 Yamaguti, 1958
39. ***Mehraorchis ranarum***  
 Srivastava, 1934  
 Host : Frog.  
 Distribution : North 24 Pgs., South 24 Pgs., Kolkata and Puruliya.
40. ***Prosotocus bengalensis***  
 Hafeezullah & Dutta  
 Host : Frog.  
 Distribution : Kolkata.  
 Family BRACHYCOELIIDAE  
 (Looss, 1899) Johnston, 1912  
 Subfamily MESOCUELINAE Faust, 1924
41. ***Mesocoelium Barddhamanensis***  
 Mukherjee, 1979  
 Host : *Calotes* sp.  
 Distribution : Barddhaman.
42. ***Mesocoelium sociale*** (Luhe, 1901)  
 Odhner, 1910  
 Host : *Bufo* sp.  
 Distribution : Kolkata and East Medinipur (Digha).  
 Subfamily BRACHYCOELIINAE
43. ***Tremiorchis ranarum***  
 Mehra & Negi, 1926  
 Host : *Rana* sp.  
 Distribution : Bankura, Barddhaman, Kolkata and East Medinipur (Digha).

- Family MICROPHALLIDAE  
(Ward, 1901) Travassos,  
1916
- Subfamily MICROPHALLINAE  
Ward, 1901
44. ***Megalotriotrema dicaecus***  
(Mukherjee & Ghosh)  
*Host* : *Atretium schistosum*, *Rana* sp.  
*Distribution* : North 24 Pgs., South 24 Pgs.  
and Barddhaman.
- Family PROTERODIPLOSTOMIDAE,  
Dubois, 1936
45. ***Proalaroides tropidonotis*** Vidyarthi,  
1937  
*Host* : *Natrix*, *Bufo*, *Rana*.  
*Distribution* : North 24 Pgs., Barddhaman,  
Haora, South 24 Pgs. and Puruliya.
- Family NOTOCOTYLIDAE  
Diesiaz, 1839
- Subfamily NOTOCOTYLINAE  
Kossack, 1911
46. ***Notocotylus attenuatus*** (Rudolphi,  
1809) Kossack, 1911  
*Host* : Duck.  
*Distribution* : Medinipur.
- Family OMMATOBREPHIDAE  
Poche, 1926
- Subfamily OMMATOBGRAPHINAE  
Dubois et Mahou, 1959
47. ***Ommatobrephus bengalensis***  
Mukherjee & Ghosh  
*Host* : *Natrix stolata*.  
*Distribution* : South 24 Pgs.
48. ***Ommatobrephus lobatum*** Mehra  
*Host* : *Varanus* sp., *Natrix* sp., *Zamenis* sp.  
*Distribution* : North 24 Pgs., South 24 Pgs.,  
Birbhum, Kolkata, Haora and Medinipur.
- Family OPISTHORCHIIDAE  
(Looss, 1899) Braun, 1901
- Subfamily OPISTHORCHIINAE  
Looss, 1899
49. ***Amphimerus noverca*** (Braun, 1902)  
Barner, 1911  
*Host* : Pig, Wild Dog.  
*Distribution* : Kolkata.
50. ***Opisthorchis felineus*** (Rivolta, 1884)  
Blanchard, 1895  
*Host* : Cat, Dog.  
*Distribution* : Kolkata.
- Subfamily PSEUDAMPHISTOMINAE  
Yamaguti, 1958
51. ***Pseudamphistomum truncatum***  
(Rudolphi, 1819) Luhe, 1908  
*Host* : Dog.  
*Distribution* : Kolkata.
- Family PARAGONIMIDAE  
Dollfus, 1939
52. ***Paragonimus westermanii*** (Kerbert,  
1878) Braun, 1899  
*Host* : Tiger, Cat, Mongoose, Dog.  
*Distribution* : Kolkata.
- Family PARAMPHISTOMIDAE  
Fischoeder, 1901
- Subfamily Gastrothylacinae
53. ***Fischoederius cobboldi*** (Poirier)  
Stiles & Goldberger, 1910  
*Host* : Cattle.  
*Distribution* : Kolkata.
54. ***Fischoederius elongatus***  
(Poirier, 1883) Stiles & Goldberger  
*Host* : Goat.  
*Distribution* : Kolkata, Darjiling (Siliguri) and  
Medinipur.
55. ***Gastrothylax crumenifer***  
(Creplin, 1847) Otto, 1896  
*Host* : Goat, Cattle.  
*Distribution* : North 24 Pgs., South 24 Pgs.,  
Kolkata, Darjiling (Siliguri), Hugli, Medinipur  
and Puruliya.



Subfamily GASTRODISCINAE  
Mouticolli, 1892

56. ***Gastrodiscus aegyptiacus***  
(Cobbold, 1877) Railliet, 1892

Host : Horse.

Distribution : Darjiling.

57. ***Gastrodiscus secundans*** Looss, 1907

Host : Elephant.

Distribution : Jalpaiguri.

58. ***Gastrodiscoides hominis***

(Lewis & Mc Connell, 1826) Leiper, 1913

Host : Pig, Man, *Bandicota bengalensis*.

Distribution : Kolkata, Darjiling (Siliguri) and Jalpaiguri.

Subfamily CLADORCHIINAE  
Fischoeder, 1901

59. ***Olveria indica*** Thapar & Sinha, 1945

Host : Cattle.

Distribution : Kolkata and Darjiling (Siliguri).

Subfamily DIPLODISCINAE  
Cohn, 1904

60. ***Diplodiscus amphichrus***  
Tubangui, 1933

Host : *Rana cyanophylctis*, *Rana tigrina*.

Distribution : North 24 Pgs., South 24 Pgs., Kolkata, Darjiling (Siliguri), Haora, Medinipur and Puruliya.

Subfamily ORIENTODISCINAE  
Yamaguti, 1971

61. ***Orientodiscus lobatum***  
Srivastava, 1938

Host : *Trionyx gangeticus*.

Distribution : North 24 Pgs., South 24 Pgs., Kolkata and Hugli.

Subfamily PARAMPHISTOMINAE  
Fischoeder, 1901  
(Bhalerao, 1937)

62. ***Ceylonocotyle cuonum***  
Mukherjee & Chauhan, 1965

Host : *Cuon dukhunensis*.

Distribution : Kolkata (Zoological Garden).

63. ***Ceylonocotyle maplestoni***  
(Bhalerao, 1937) Mukherjee & Chauhan, 1965

Host : Hog Deer.

Distribution : Kolkata (Zoological Garden).

64. ***Ceylonocotyle scoliocoelium***  
(Fischoeder, 1909) Nasmark, 1937

Host : Goat, Cattle, Buffalo, Deer.

Distribution : Birbhum, Barddhaman, Kolkata, Darjiling (Siliguri), Jalpaiguri and Puruliya.

65. ***Cotylophoron cotylophorum***  
(Fischoeder, 1901) Stiles & Goldberger, 1910

Host : Cattle, Goat.

Distribution : North 24 Pgs., South 24 Pgs., Bankura, Birbhum, Barddhaman, Kolkata, Darjiling, Haora, Hugli, Jalpaiguri, Koch Bihar, Maldah, Medinipur, Murshidabad, Nadia, Puruliya and Dinajpur.

66. ***Cotylophoron indicum*** Stiles & Goldberger, 1910

Host : Goat, Cattle, Deer.

Distribution : Birbhum, Kolkata, Darjiling, Haora, Hugli and Puruliya.

67. ***Cotylophoron orientalis*** Harshey, 1934

Host : Sheep, Goat, Sable Antelope.

Distribution : Kolkata.

68. ***Paramphistomum explanatum***  
(Creplin, 1847) Fischoeder, 1901

Host : Cattle.

Distribution : Kolkata, Darjiling (Siliguri), Haora, Jalpaiguri and Puruliya.

69. ***Paramphistomum cervi***  
(Zeder, 1790) Fischoeder, 1901

Host : Cow, Buffalo.

Distribution : Barddhaman, Kolkata, Darjiling, Hugli, Medinipur and Puruliya.

Subfamily ZYGOCOTYLINAE  
Ward, 1970

70. *Stunkardia dilymphosa*  
Bhalerao, 1931

Host : Turtle.

Distribution : Kolkata, Darjiling (Siliguri),  
Puruliya and Dinajpur.

Family PLAGIOROHIIDAE  
Luhe, 1901

Subfamily ASTIOTREMATINAE  
Baer, 1924

71. *Astiotrema odhneri* Bhalerao, 1934

Host : *Kachuga*, *Trionyx*.

Distribution : North 24 Pgs., South 24 Pgs.,  
Maldah and East Medinipur (Digha).

72. *Astiotrema reniferum*  
(Looss, 1899) Stossich, 1904

Host : *Kachuga*, *Trionyx*.

Distribution : North 24 Pgs., South 24 Pgs.,  
Kolkata and Haora.

73. *Astiotrema sudarshani*  
Mukherjee & Ghosh, 1970

Host : *Bufo* sp.

Distribution : North 24 Pgs. (Birati) and  
South 24 Pgs.

Subfamily STYPHLODORINAE  
Dollfus, 1937

74. *Styphlodora nicolli* Bhalerao, 1936

Host : *Zamenis mucosus*.

Distribution : Kolkata.

75. *Styphlodora horida* (Leidy, 1851)  
Odhner, 1910

Host : *Bufo* sp.

Distribution : North 24 Pgs. and Medinipur.

Subfamily PLAGIOCHIINAE,  
Pralt, 1902

76. *Bilorchis indicus* Mehra, 1937

Host : *Kachuga*, *Trionyx*, *Lissemys*.

Distribution : Kolkata and East Medinipur  
(Digha).

77. *Xenopharnyx solus* Nicoll, 1912

Host : *Naja naja*.

Distribution : North 24 Pgs., South 24 Pgs.  
and Puruliya.

Subfamily ENCYCLOMETRINAE  
Mehrs, 1931

78. *Encyclometra bungara*  
Srivastava & Ghosh, 1968

Host : *Bungarus fasciatus*.

Distribution : South 24 Pgs. (Sagarpukur).

79. *Encyclometra japonica*  
Yoshida & Ozaki, 1929

Host : *Natrix*, *Ptyas*, *Naja*.

Distribution : North 24 Pgs., South 24 Pgs.,  
Hugli and Puruliya.

80. *Encyclometra colubrimurorum*  
(Rudolphi, 1911), Dollfus, 1929

Host : *Tropidonotus colubrimurum*.

Distribution : Kolkata (Zoological Garden),  
Hugli, South 24 Pgs. and Puruliya.

Family PROSTHOGONIMIDAE  
Luhe, 1909

81. *Prosthogonimus elongates*  
Mukherjee, 1967

Host : Pigeon.

Distribution : Kolkata.

82. *Prosthogonimus putschowskii*  
Skrjabin, 1912

Host : Domestic fowl.

Distribution : Kolkata.

Family PSILOSTOMIDAE  
Looss, 1900

Sub family PSILOSTOMINAE  
Looss, 1900

83. *Psilochasmus oxyurus*  
(Creplin, 1825) Luhe, 1909

Host : Domestic Duck.

Distribution : Medinipur.

Family SCHISTOSOMATIDAE  
Poche, 1907  
Sub family SCHISTOSOMANTINAE  
Stiles et Hassal, 1898

84. ***Schistosoma haematobium***

(Bilharz, 1892) Weinland, 1858

Host : Cow.

Distribution : Kolkata.

85. ***Schistosoma incognitum***

Chandler, 1926

Host : Pig.

Distribution : Kolkata.

86. ***Schistosoma indicum***

Montgomery, 1906

Host : Cattle, Buffalo.

Distribution : North 24 Pgs., South 24 Pgs.,  
Bankura, Darjiling and Medinipur.

87. ***Schistosoma nasale*** Rao, 1933

Host : Cattle, Buffalo.

Distribution : Bankura, Medinipur and  
Puruliya.

Family SPIRORCHIDAE  
Stunkand, 1921

Sub family SPIRORCHINAE  
Stunkand, 1921

88. ***Hemiorchis bengalensis***

Mehra, 1940

Host : *Hardella thurgi*.

Distribution : Dinajpur, Ranaghat.

Family STOMYLOTREMATIDAE  
(Tavessos, 1922)  
Poche, 1926

Sub family STOMYLOTREMINAE

89. ***Stomylotrema travassosi***

Mehra, 1938

Host : *Metapodius indicus*.

Distribution : Barddhaman.

Family HEMURIDAE  
Luhe, 1901

Subfamily LECITHOCHIRIINAE  
Luhe, 1901

90. ***Lecithochirium acutum***

Chauhan, 1945

Host : *Enhydrina schistosa*.

Distribution : East Medinipur (Digha).

Subfamily HALIPEGINAE  
Ejsmont, 1933

91. ***Halipegus mehransis***

Srivastava, 1933

Host : *Rana cyanophlyctis*, *Rana tigrina*,  
*Uromastix* sp.

Distribution : North 24 Pgs., South 24 Pgs.  
and East Medinipur (Digha).

Family STRIGEIDAE  
Railliet, 1919

Sub family STRIGEINAE  
Railliet, 1919

92. ***Strigea elongata***

Yamaguti, 1935

Host : *Oriolus xanthersous*.

Distribution : Medinipur.

Family HETEROPHYIDAE  
Odhner, 1914

Subfamily HAPLOCHINAE  
Looss, 1899

93. ***Haplorchis taichui*** (Nishigori, 1924)

Chen, 1936

Host : Cat.

Distribution : Kolkata.

Subfamily HETEROPHYINAE  
Leiper, 1909

94. ***Heterophyes heterophyes***

(Seibold, 1852) Stiles & Hassal, 1900

Host : Dog.

Distribution : Kolkata.

Family ANCHITREMATIAE

Mehra, 1925

Subfamily ANCHITREMATINAE

Mehra, 1925

95. *Anchitrema sanguineum*

(Sonsino, 1894) Looss, 1899

*Host* : *Suncus murinus*, *Pipistrellus*  
*mimus*.

*Distribution* : Kolkata, Bankura and South  
24 Pgs.

Family ISOPARORCHIDAE

Poche, 1925

96. *Isoparorchis hypselobagri*

(Billet, 1898) Ejsmont 1932

*Host* : Man, Fresh water fishes.

*Distribution* : Locality not known.

Family BALFOURIDAE

Travassos, 1951

97. *Balfouria monogama* Leiper, 1909

*Host* : Open billed stork.

*Distribution* : Dinajpur, Nadia (Ranaghat) and  
Hugli.

## DIGENETIC TREMATODES OF FISHES

- Family ACANTHOCOLPIDAE  
Luhe, 1909
- Subfamily ACANTHOCOLPINAE  
Luhe, 1906
1. ***Acanthocolpus liodorus*** Luhe, 1906  
*Host* : *Chirocentrus dorab*.  
*Distribution* : East Medinipur (Digha) and South 24 Pgs. (Hugli estuary).
  2. ***Acanthocolpus caballeroi***  
Gupta & Sharma, 1972  
*Host* : *Anadontosotoma chakunda*, *Chirocentrus dorab*.  
*Distribution* : East Medinipur (Digha).  
Subfamily STEPHANOSTOMINAE
  3. ***Stephanostomum bicoronatum***  
(Stossich, 1883) Fuhrmann, 1928  
*Host* : *Otolithoides biauratus*.  
*Distribution* : South 24 Pgs. (Hugli estuary).
  4. ***Stephanostomum orientalis***  
(Srivastava, 1939) Madhavi, 1976  
*Host* : *Megalaspis cordyla*.  
*Distribution* : East Medinipur (Digha).
  5. ***Stephanostomum triacanthi***  
Madhavi, 1976  
*Host* : *Triacanthus brevirostris*.  
*Distribution* : East Medinipur (Digha).  
Family ALLOCREADIIDAE  
(Looss, 1902)  
Stossich, 1903
  - Sub family ALLOCREADIINAE  
Looss, 1902
  6. ***Allocreadium chilikai***  
(Chatterji, 1956), Madhavi, 1978  
*Host* : *Colisa fasciata*.  
*Distribution* : South 24 Pgs. (Diamond Harbour).
  7. ***Allocreadium handiai*** Pande, 1937  
*Host* : *Channa gachua*.  
*Distribution* : Kolkata.
  8. ***Allocreadium kosia*** Pande, 1938  
*Host* : *Mystus cavasius*.  
*Distribution* : Kolkata.
  9. ***Allocreadium mehrai*** Gupta, 1958  
*Host* : *Rhynchobdella aculeata*.  
*Distribution* : South 24 Pgs. (Diamond Harbour).
  10. ***Allocreadium heteropneustusius***  
Agrawal, 1964  
*Host* : *Heteropneustes fossilis*.  
*Distribution* : South 24 Pgs. (Diamond harbour).  
Subfamily ORIENTOCREADIINAE  
Yamaguti, 1958
  11. ***Orientocreadium batrachoides***  
Tubangui, 1931  
*Host* : *Clarius batrachus*.  
*Distribution* : Kolkata.
  12. ***Orientocreadium pseudobagri***  
Yamaguti, 1934  
*Host* : *Clarius batrachus*.  
*Distribution* : Kolkata.
  - Family AZYGIIDAE
  13. ***Azygia (Azygia) angusticauda***  
(Stafford, 1904) Montor, 1926  
*Distribution* : Kolkata and South 24 Pgs. (Diamond Harabour).
  - Family BUNOCOTYLIDAE  
Dollfus, 1950
  - Sub family APHANURINAE  
Sknjabin Guschanskaja, 1954
  14. ***Aphanurus stossichi***  
(Monticelli, 1891) Looss, 1907  
*Host* : *Clupea fimbriata*.  
*Distribution* : East Medinipur (Digha coast) and South 24 Pgs. (Canning town).

- Family CLINOSTOMIDAE  
Luhe, 1901
- Sub family EUCLINOSTOMINAE  
Yamaguti, 1958
15. ***Metacercaria of Euclinostomum***  
(Rudolphi)  
*Host* : *Channa punctatus*.  
*Distribution* : Kolkata.
- Family DEROGENIDAE  
Nicoll, 1910
- Sub family HALIPEGINAE  
Poche, 1926
16. ***Genarchopsis cuchiai*** Kakaji, 1969  
*Host* : *Amphipnous cuchia*.  
*Distribution* : South 24 Pgs. (Canning).
17. ***Genarchopsis dasus*** Gupta, 1951  
*Host* : *Channa punctatus*.  
*Distribution* : Kolkata.
- Family DEROPRISTIIDAE  
Sknjabin, 1958
- Sub family DEROPRISTIINAE  
Cable & Hunninea, 1942
18. ***Skrjabinopsolus elongates***  
(Madhavi, 1974) Hafeazullah, 1984  
*Host* : *Polyhemus sextarius*.  
*Distribution* : East Medinipur (Digha).
- Family FELLODISTOMATIDAE  
Nicoll, 1913
- Sub family MONASCINAE  
Dollfus, 1947
19. ***Faustula brevichrus***  
(Srivastava, 1935) Yamaguti, 1958  
*Host* : *Hilsa ilisha*.  
*Distribution* : East Medinipur (Digha coast).
20. ***Faustula gangetica***  
(Srivastava, 1935) Yamaguti, 1958  
*Host* : *Hilsa ilisha*.  
*Distribution* : East Medinipur (Digha coast).
21. ***Monascus chauhani***  
Vasantha Kumari, 1975  
*Host* : *Pampus argentius*.  
*Distribution* : East Medinipur (Digha coast).
22. ***Monascus filiformis***  
(Rudolphi, 1819) Looss, 1907  
*Host* : *Caranx* sp.  
*Distribution* : East Medinipur (Digha coast, Junput).
- Family HEMIURIDAE  
Looss, 1899
- Sub family DINURINAE  
Looss, 1907
23. ***Stomachicola muraenesocia***  
Yamaguti, 1934  
*Host* : *Muraenesox talabonoides*.  
*Distribution* : South 24 Pgs. (Hugli estuary).
24. ***Uterovesiculurus hamati***  
(Yamaguti, 1934) Sknjabin & Guschankaja 1954  
*Host* : *Polynemus sextarius*.  
*Distribution* : East Medinipur (Digha coast, Junput) and South 24 Pgs. (Hugli estuary, Bakkhali).
25. ***Uterovesiculurus lemeriensis***  
(Tubangui & Masilungan, 1935)  
*Host* : *Oolithoides brunneus*.  
*Distribution* : East Medinipur (Digha coast).
26. ***Uterovesiculurus paralichthydis***  
(Yamaguti, 1934) Sknjabin & Guschankaja, 1954  
*Host* : *Platycephalus indicus*.  
*Distribution* : East Medinipur (Digha).
- Subfamily ELLYTROPHALLINAE  
Sknjabin & Guschankaja, 1954
27. ***Lecithocladium excisum***  
(Rudolphi, 1819) Luhe, 1901  
*Host* : *Apolectus niger*.  
*Distribution* : South 24 Pgs. (Hugli estuary).

28. ***Lecithocladium glandulum***  
Chauhan, 1945  
*Host* : *Caranx melampygus*.  
*Distribution* : East Medinipur (Junput, Digha Coast).
29. ***Lecithocladium harpodontis***  
Srivastava, 1937  
*Host* : *Pampus argenteus*.  
*Distribution* : East Medinipur (Digha coast).
30. ***Lecithocladium piscicola***  
(Srivastava, 1935) Manter et Pritchard, 1960  
*Host* : *Hilsa ilisha*.  
*Distribution* : East Medinipur (Digha coast).  
Subfamily LECITHOCHIRUNAE  
Luhe, 1901
31. ***Lecisthochirium polynemi***  
Chauhan, 1945  
*Host* : *Harpodon nehereus*.  
*Distribution* : South 24 Pgs. (Bakkhali, Hugli estuary).  
Family HETEROPHYIDAE  
Leiper, 1909  
Sub family HAPLORCHIINAE  
Looss, 1899
32. ***Haplorchoides piscicola***  
(Srivastava, 1935) Chen, 1945  
*Host* : *Mystus vittatus*.  
*Distribution* : South 24 Pgs. (Kakdwip).
33. ***Haplorchoides attenuatus***  
(Srivastava, 1935) Chen, 1945  
*Host* : *Mystus aor*.  
*Distribution* : South 24 Pgs. (Kakdwip).  
Family ISOPARORCHIIDAE  
(Trovossos, 1922)  
Poche, 1926  
Sub family ISOPARORCHIINAE
34. ***Isoparorchis hypselobagri***  
(Billet, 1898) Ejsmant, 1913  
*Host* : *Wallago attu*.  
*Distribution* : Kolkata.
- Family LACITHODENDRIIDAE  
(Luhe, 1901)  
Odhner, 1910  
Sub family PLEUROGENINAE  
Travossos, 1920
35. ***Pleurogenoides pabdai***  
(Pande, 1937) Kow, 1944  
*Host* : *Ompok bimaculatus*.  
*Distribution* : South 24 Pgs. (Diamond Harbour).
- Family LECITHASTERIDAE  
Odhner, 1905  
Sub family LECITHASTERINAE  
Odhner, 1905
36. ***Aponurus breviformis***  
Srivastava, 1930  
*Host* : *Ilisha filigera*.  
*Distribution* : East Medinipur (Digha coast) and South 24 Pgs. (Hugli estuary).  
Family MACRODEROIDIDAE  
McMullen, 1937  
Sub family MACRODEROIDINAE  
Odning, 1964
37. ***Macrolecithus indicus***  
Gupta & Agrawal, 1967  
*Host* : *Puntius sophore*.  
*Distribution* : South 24 Pgs. (Kakdwip).  
Family MONODHELMINTHIDAE  
Dollfus, 1937  
Sub family MONODHELMINTHINAE  
Yamaguti, 1958
38. ***Mehratrema dollfusi***  
Srivastava, 1939  
*Host* : *Arius jella*.  
*Distribution* : East Medinipur (Digha coast).  
Family MONORCHIIDAE  
Odhner, 1911  
Subfamily OPISTHOMONORCHIINAE  
Yamaguti, 1952
39. ***Opisthomonorchis decaptari***  
Parukhin  
*Host* : *Parastromateus niger*.  
*Distribution* : East Medinipur (Digha).

40. ***Opisthomonorchis carangi***  
(Madhavi, 1974)  
*Host* : *Carangoides malabaricus*.  
*Distribution* : East Medinipur (Digha).  
Subfamily LASIOTOCINAE  
Yamaguti, 1958
41. ***Chrisomon polynemi***  
Dutta, Hafeezullah & Manna  
*Host* : *Eleuthorenema tetradnctylum*.  
*Distribution* : East Medinipur (Digha).
42. ***Chrisomon sunderbansensis***  
Dutta, Hafeezullah & Manna  
*Host* : *Polynemus paradiscus*.  
*Distribution* : East Medinipur (Digha).
43. ***Genolopa ampullacea*** Linton, 1910  
*Host* : *Pomadagys hasta*.  
*Distribution* : East Medinipur (Digha).
44. ***Genolopa bychowskii*** Zhukov, 1917  
*Host* : *Apolectus niger*.  
*Distribution* : South 24 Pgs. (Hugli estuary).  
Subfamily ASYMPHYLODORINAE  
Szidat, 1943
45. ***Asymphylogora kedarai***  
Srivastava, 1951  
*Host* : *Puntius sophore*.  
*Distribution* : South 24 Pgs. (Kakdwip).  
Family OPECOELIDAE  
Ozaki, 1925  
Subfamily DIPLOPROCTODAEINAE  
Park, 1939
46. ***Bianium bombayense*** Gupta, 1968  
*Host* : *Torguigener oblongus*.  
*Distribution* : East Medinipur (Digha Coast).
47. ***Bianium plicatum***  
(Linton, 1928) Stunkard, 1930  
*Host* : *Torguigener oblongus*.  
*Distribution* : East Medinipur (Digha coast)  
and South 24 Pgs. (Hugli estuary).
48. ***Cotylocreadium triacanthi***  
(Hafeezullah, 1970) Madhavi, 1972  
*Host* : *Tricanthus brevisrostris*.  
*Distribution* : East Medinipur (Digha coast).  
Subfamily OPECOELINAE  
Stunkand, 1931
49. ***Karyakartia pambanense***  
(Karyakarte, 1968) Hafezullah, 1979  
*Host* : *Therapen jarbus*.  
*Distribution* : South 24 Pgs. (Canning town).
50. ***Lepocreadioides indicum***  
Srivastava, 1941  
*Host* : *Cynoclossus macrolepidotus*.  
*Distribution* : East Medinipur (Junput) and  
South 24 Pgs. (Hugli estuary, Bakkhali, Sagar  
Island).
51. ***Opechona* sp.** of Zhukov, 1977  
*Host* : *Pampus argenteus*.  
*Distribution* : Hugli estuary.
52. ***Paradactylostomum indicum***  
Zhukov, 1972  
*Host* : *Engraulis telara*.  
*Distribution* : South 24 Pgs. (Hughli estuary).
53. ***Pseudopecoeloides tenuis***  
Yamaguti, 1940  
*Host* : *Priacanthus hamrur*.  
*Distribution* : East Medinipur (Digha coast).
54. ***Pseudopecoeloides tenuoides***  
Martin, 1960  
*Host* : *Rastralliger kanagurta*.  
*Distribution* : East Medinipur (Digha Coast).  
Family OPISTHOLEBITIDAE  
Fukui, 1929  
Sub family PYCNADENINAE  
Yamoguti, 1971
55. ***Birendralebes krishnakantai***  
Srivastava & Ghosh, 1972  
*Host* : *Chanda nama*.  
*Distribution* : Kolkata.



Family OPECOELIDAE  
Ozaki, 1925

Subfamily OPECOELINAE  
Stunkard, 1931

56. ***Opegaster beliyai*** Pande, 1937

*Host* : *Glossogobius giuris*.

*Distribution* : South 24 Pgs. (Diamond harbour).

Family PLAGIORCHIIDAE  
Luhe, 1901

Subfamily ASTIOTREMATINAE  
Baer, 1924

57. ***Astiotrema reniferum***

(Looss 1896) Looss, 1900

*Host* : *Clarius batricus*.

*Distribution* : Kolkata and South 24 Pgs. (Kakdwip).

Family PROSOGONOTREMATIDAE  
Perez Vigueras 1943

Sub family PROSOGONOTREMATINAE  
Perez Vigueras 1943

58. ***Prosogonotrema bilabiatum***

Perez Vigueras, 1940

*Host* : *Platax orbicularis*.

*Distribution* : East Medinipur (Digha coast).

## ROTIFERA

Class	ROTIFERA
Subclass	EUROTATORIA
Super order	MONOGONONTA
Order	PLOIMIDA
Family	BRACHIONIDAE

1. ***Brachionus angularis*** Gosse

*Distribution* : Kolkata, North 24 Pgs., South 24 Pgs., Hoara, Hugli, Barddhaman, Nadia, Medinipur, Bankura, Maldah, Jalpaiguri, Koch Bihar and Darjiling.

2. ***Brachionus bidentata bidentata***  
Anderson

*Distribution* : South 24 Pgs., Hoara, Hugli, Barddhaman, Jalpaiguri, Koch Bihar and Darjiling.

3. ***Brachionus bidentata crassispineus***  
(Hauer)

*Distribution* : South 24 Pgs., Barddhaman, Jalpaiguri, Koch Bihar and Darjiling.

4. ***Brachionus bidentata jirovci*** (Bartos)

*Distribution* : North 24 Pgs., South 24 Pgs. and Maldah.

5. ***Brachionus budapestinensis*** Daday

*Distribution* : South 24 Pgs., Hugli, Bankura, Jalpaiguri and Koch Bihar.

6. ***Brachionus calyciflorus f. dorcas***  
(Gosse)

*Distribution* : Kolkata, North 24 Pgs., South 24 Pgs., Hugli, Barddhaman, Nadia, Maldah, Jalpaiguri, Koch Bihar and Darjiling.

7. ***Brachionus calyciflorus f. annuraciformis*** (Brehm)

*Distribution* : Kolkata and South 24 Pgs.

8. ***Brachionus calyciflorus f. borgerti***  
(Apstein)

*Distribution* : Kolkata, North 24 Pgs. and South 24 Pgs.

9. ***Brachionus caudatus personatus***  
(Ahlstrom)

*Distribution* : North 24 Pgs., South 24 Pgs., Jalpaiguri and Darjiling.

10. ***Brachionus caudatus aculeatus***  
(Hauer)

*Distribution* : Not mentioned.

11. ***Brachionus caudatus aculeatus f. lateralis*** (Hauer)

*Distribution* : Not mentioned.

12. ***Brachionus caudatus vulgatus***  
(Ahlstrom)

*Distribution* : South 24 Pgs.

13. ***Brachionus diversicornis***  
(Daday)

*Distribution* : North 24 Pgs., South 24 Pgs., Hoara, Maldah, Jalpaiguri and Koch Bihar.

14. ***Brachionus donneri*** Brehm

*Distribution* : Jalpaiguri and Koch Bihar.

15. ***Brachionus forficula*** Zacharias

*Distribution* : Kolkata, North 24 Pgs., South 24 Pgs., Hugli, Bankura, Barddhaman, Maldah, Jalpaiguri and Koch Bihar.

16. ***Brachionus forficula forficula***  
Wierzejski

*Distribution* : North 24 Pgs., South 24 Pgs., Hoara, Hugli, Barddhaman, Nadia, Koch Bihar and Darjiling.

17. ***Brachionus forficula minor***  
(Voronkov)

*Distribution* : South 24 Pgs., Maldah and Darjiling.

18. ***Brachionus falcatus*** Zacharias

19. ***Brachionus mirabilis*** (Daday)

*Distribution* : South 24 Pgs. and Koch Bihar.

20. ***Brachionus patulus*** Muller

*Distribution* : Not mentioned.

21. ***Brachionus patulus macracanthus***  
(Daday)

*Distribution* : Jalpaiguri and Koch Bihar.

22. ***Brachionus plicatilis*** Muller

*Distribution* : North 24 Pgs. and South 24 Pgs.

23. ***Brachionus pteridinoides*** Rousselet  
*Distribution* : North 24 Pgs. and South 24 Pgs.
24. ***Brachionus quadridentatus quadridentatus*** Hermann  
*Distribution* : Kolkata, South 24 Pgs., Hoara, Hugli, Barddhaman, Nadia, Maldah, Jalpaiguri, Koch Bihar and Darjiling.
25. ***Brachionus quadridentatus cluniorbicularis*** (Skorikov)  
*Distribution* : Kolkata, South 24 Pgs., Medinipur and Koch Bihar.
26. ***Brachionus quadridentatus rhenanus*** (Lauterborn)  
*Distribution* : Kolkata, North 24 Pgs. and South 24 Pgs.
27. ***Brachionus quadridentatus brevispinus*** (Ehrenberg)  
*Distribution* : Kolkata, North 24 Pgs., South 24 Pgs. and Hoara.
28. ***Brachionus rubens*** Ehrenberg  
*Distribution* : Kolkata, North 24 Pgs. and South 24 Pgs.
29. ***Brachionus sessilis*** Verga  
*Distribution* : South 24 Pgs.
30. ***Brachionus urceolaris*** (Muller)  
*Distribution* : South 24 Pgs. and Hoara.
31. ***Keratella cochlearis*** Gosse  
*Distribution* : Kolkata, Jalpaiguri, Koch Bihar and Darjiling.
32. ***Keratella lenzi*** Hauer  
*Distribution* : South 24 Pgs., Maldah and Koch Bihar.
33. ***Keratella procurva*** (Thorpe)  
*Distribution* : Kolkata, North 24 Pgs. and South 24 Pgs.
34. ***Keratella quadrata*** (Muller)  
*Distribution* : South 24 Pgs.
35. ***Keratella tropica*** (Apstien)  
*Distribution* : Kolkata, North 24 Pgs., South 24 Pgs., Hoara, Barddhaman, Nadia, Medinipur, Jalpaiguri and Koch Bihar.

36. ***Platyias quadricornis*** (Ehrenberg)  
*Distribution* : Kolkata, North 24 Pgs., South 24 Pgs., Nadia and Jalpaiguri.
37. ***Anuraeopsis coelata*** (De Beauchamp)  
*Distribution* : Kolkata, South 24 Pgs., Barddhaman and Medinipur.
38. ***Anuraeopsis fissa*** (Gosse)  
*Distribution* : Kolkata, North 24 Pgs., South 24 Pgs., Maldah, Koch Bihar and Darjiling.
- Family EUCHLANIDAE
39. ***Beauchampiella eudactylota*** (Gosse)  
*Distribution* : South 24 Pgs., Hoara and Hugli.
40. ***Euchlanis dilatata*** Ehrenberg  
*Distribution* : South 24 Pgs., Hoara and Hugli.
41. ***Euchlanis oropha*** Gosse  
*Distribution* : South 24 Pgs.
42. ***Euchlanis triquetra*** Ehrenberg  
*Distribution* : Koch Bihar and Darjiling.
43. ***Dipleuchlanis propatula*** Gosse  
*Distribution* : South 24 Pgs., Hoara, Barddhaman, Bankura and Darjiling.
44. ***Tripleuchlanis plicata*** (Levander)  
*Distribution* : Kolkata and North 24 Pgs.
- Family MYTILINIDAE
45. ***Mytilina ventralis ventralis*** (Ehrenberg)  
*Distribution* : Kolkata, North 24 Pgs., South 24 Pgs., Hoara, Barddhaman, Medinipur and Koch Bihar.
46. ***Mytilina ventralis longidactyla*** (Wulfert)  
*Distribution* : South 24 Pgs.
47. ***Mytilina acanthophora*** Hauer  
*Distribution* : Kolkata.
48. ***Mytilina bisulcata*** (Lucks)  
*Distribution* : Jalpaiguri and Koch Bihar.

## Family TRICHOTRIDAE

49. *Trichotria tetractis* (Ehrenberg)

*Distribution* : North 24 Pgs., South 24 Pgs., Hoara, Hugli, Barddhaman, Maldah, Jalpaiguri, Koch Bihar and Darjiling.

50. *Macrochaetus serica* Thorpe

*Distribution* : Kolkata, South 24 Pgs., Hoara.

51. *Macrochaetus collinsi* Gosse

*Distribution* : Hoaran and Koch Bihar.

## Family COLURELLIDAE

52. *Colurella obtusa* (Gosse)

*Distribution* : North 24 Pgs., South 24 Pgs., Barddhaman, Medinipur and Bankura.

53. *Colurella uncinata* (Muller)

*Distribution* : Kolkata, North 24 Pgs., South 24 Pgs., Hoara, Hugli and Medinipur.

54. *Colurella sulcata* (Sternroos)

*Distribution* : Koch Bihar and Darjiling.

55. *Lepadella (Lepadella) acuminata* (Ehrenberg)

*Distribution* : South 24 Pgs., Hugli, Bankura and Koch Bihar.

56. *Lepadella (Lepadella) aspida* Harring

*Distribution* : South 24 Pgs.

57. *Lepadella (Lepadella) cristata* (Rousselet)

*Distribution* : Koch Bihar.

58. *Lepadella (Lepadella) imbricata* Harring

*Distribution* : South 24 Pgs.

59. *Lepadella (Lepadella) ovalis larga* (Sharma)

*Distribution* : South 24 Pgs.

60. *Lepadella (Lepadella) patella* Muller

*Distribution* : Kolkata, North 24 Pgs., South 24 Pgs., Medinipur, Bankura, Maldah, and Koch Bihar.

61. *Lepadella (Lepadella) quadricarinata* (Sternroos)

*Distribution* : South 24 Pgs.

62. *Lepadella (Lepadella) rhomboids* (Gosse)

*Distribution* : Kolkata, North 24 Pgs., South 24 Pgs., Barddhaman, Nadia, Medinipur, Maldah and Darjiling.

63. *Lepadella (Lepadella) rhomboidula* (Bryce)

*Distribution* : South 24 Pgs.

64. *Lepadella (Lepadella) triptera* Ehrenberg

*Distribution* : Kolkata, North 24 Pgs., South 24 Pgs., Barddhaman, Medinipur, Bankura, and Koch Bihar.

65. *Lepadella (Lepadella) triprojectus* Sharma

*Distribution* : Kolkata.

66. *Lepadella (Heterolepadella) aspicora* Mayers

*Distribution* : South 24 Pgs.

67. *Lepadella (Heterolepadella) eherenbergi* (Party)

*Distribution* : South 24 Pgs., Barddhaman, Medinipur, Koch Bihar and Darjiling.

68. *Lepadella (Heterolepadella) heterostyla* (Murray)

*Distribution* : South 24 Pgs., Jalpaiguri and Koch Bihar.

69. *Squatinella mutica* (Ehrenberg)

*Distribution* : Koch Bihar.

## Family LECANIDAE

70. *Lecane (Lecane) aculeata* (Jakubski)

*Distribution* : Kolkata, South 24 Pgs., Hugli, Nadia, Bankura, Maldah, and Koch Bihar.

71. *Lecane (Lecane) arcula* Harring

*Distribution* : South 24 Pgs.

72. *Lecane (Lecane) bifastigata* Hauer

*Distribution* : Kolkata.

73. *Lecane (Lecane) crepida crepida* Harring

*Distribution* : South 24 Pgs., Barddhaman, Medinipur and Bankura.

74. *Lecane (Lecane) crepida bengalensis* (Sharma)  
Distribution : Kolkata.
75. *Lecane (Lecane) curvicornis curvicornis* (Murray)  
Distribution : Kolkata, North 24 Pgs., South 24 Pgs., Hoara, Hugli, Medinipur and Maldah.
76. *Lecane (Lecane) curvicornis nitida* (Murray)  
Distribution : Koch Bihar.
77. *Lecane (Lecane) flexilis* (Gosse)  
Distribution : South 24 Pgs. and Koch Bihar.
78. *Lecane (Lecane) hastata* (Murray)  
Distribution : Hoara and Koch Bihar.
79. *Lecane (Lecane) hornemanni* (Ehrenberg)  
Distribution : Kolkata, Hoara, Bankura, Maldah, and Koch Bihar.
80. *Lecane (Lecane) inermis* (Bryce)  
Distribution : Darjiling.
81. *Lecane (Lecane) lateralis* Sharma  
Distribution : South 24 Pgs.
82. *Lecane (Lecane) leontina* (Turner)  
Distribution : Kolkata, North 24 Pgs., South 24 Pgs. Barddhaman, Maldah, Koch Bihar and Darjiling.
83. *Lecane (Lecane) ligona* (Dunlop)  
Distribution : Hoara.
84. *Lecane (Lecane) ludwigi* (Eckstein)  
Distribution : South 24 Pgs., Hugli, Maldah and Koch Bihar.
85. *Lecane (Lecane) luna luna* Muller  
Distribution : Kolkata, North 24 Pgs., South 24 Pgs., Hoara, Hugli, Nadia, Bankura, Maldah, Koch Bihar and Darjiling.
86. *Lecane (Lecane) luna dorsicalis* (Arora)  
Distribution : Kolkata.
87. *Lecane (Lecane) nana* (Murray)  
Distribution : Kolkata, South 24 Pgs., Hugli, Barddhaman, Medinipur and Koch Bihar.
88. *Lecane (Lecane) ohioensis* (Herrick)  
Distribution : South 24 Pgs.
89. *Lecane (Lecane) papuana* (Murray)  
Distribution : South 24 Pgs., Hoara, Barddhaman, Medinipur, Bankura, Maldah, Koch Bihar and Darjiling.
90. *Lecane (Lecane) pertica* Haring & Myers  
Distribution : Koch Bihar.
91. *Lecane (Lecane) signifera signifera* (Jennings)  
Distribution : Darjiling.
92. *Lecane (Lecane) signifera ploenensis* (Voigt)  
Distribution : Koch Bihar.
93. *Lecane (Lecane) stokesii* (Pell)  
Distribution : Hoara.
94. *Lecane (Lecane) ungulata* (Gosse)  
Distribution : North 24 Pgs., South 24 Pgs., Nadia, Maldah, Koch Bihar and Darjiling.
95. *Lecane (Lecane) vasishti* Sharma  
Distribution : Kolkata.
96. *Lecane (Hemimonostyla) inopinata* (Haring & Mayers)  
Distribution : Kolkata, South 24 Pgs., Medinipur, Bankura and Koch Bihar.
97. *Lecane (Hemimonostyla) sympoda* (Hauer)  
Distribution : South 24 Pgs. and Barddhaman.
98. *Lecane (Hemimonostyla) syngenes* (Hauer)  
Distribution : North 24 Pgs.
99. *Lecane (Monostyla) bulla* (Gosse)  
Distribution : Kolkata, North 24 Pgs., South 24 Pgs., Hoara, Hugli, Barddhaman, Nadia, Maldah, Koch Bihar and Darjiling.
100. *Lecane (Monostyla) closterocerca* (Schmarda)  
Distribution : Kolkata, North 24 Pgs., South 24 Pgs., Barddhaman, Medinipur and Koch Bihar.

101. *Lecane (Monostyla) decipiens* (Murray)  
*Distribution* : Kolkata, South 24 Pgs., Hoara, Hugli and Barddhaman.
102. *Lecane (Monostyla) furcata* (Murray)  
*Distribution* : Kolkata and South 24 Pgs.
103. *Lecane (Monostyla) hamata* (Stokes)  
*Distribution* : Kolkata and South 24 Pgs.
104. *Lecane (Monostyla) lunaris lunaris* (Ehrenberg)  
*Distribution* : South 24 Pgs., Medinipur, Bankura, Maldah, Koch Bihar and Darjiling.
105. *Lecane (Monostyla) lunaris crenata* (Harring)  
*Distribution* : Kolkata and South 24 Pgs.
106. *Lecane (Monostyla) obtusa* (Murray)  
*Distribution* : Koch Bihar.
107. *Lecane (Monostyla) pawlowskii* Wulfert  
*Distribution* : South 24 Pgs.
108. *Lecane (Monostyla) pyriformis* (Daday)  
*Distribution* : North 24 Pgs., South 24 Pgs., Nadia, Maldah and Koch Bihar.
109. *Lecane (Monostyla) quadridentata* (Ehrenberg)  
*Distribution* : Kolkata, South 24 Pgs., Barddhaman, Nadia, Bankura and Darjiling.
110. *Lecane (Monostyla) scutata* (Harring & Mayers)  
*Distribution* : Koch Bihar.
111. *Lecane (Monostyla) sinuata* (Hauer)  
*Distribution* : South 24 Pgs. and Bankura.
112. *Lecane (Monostyla) stenroosi* (Meissner)  
*Distribution* : North 24 Pgs., South 24 Pgs., Barddhaman and Koch Bihar.
113. *Lecane (Monostyla) thalera* (Harring & Mayers)  
*Distribution* : Kolkata and Koch Bihar.
114. *Lecane (Monostyla) thienemanni* (Hauer)  
*Distribution* : Hoara and Koch Bihar.
115. *Lecane (Monostyla) unguitata* (Fadeev)  
*Distribution* : Kolkata, North 24 Pgs., South 24 Pgs., Hugli, Barddhaman, Medinipur, Maldah and Koch Bihar.
- Family NOTOMMATIDAE
116. *Cephalodella auriculata* (Muller)  
*Distribution* : South 24 Pgs.
117. *Cephalodella catellina* (Muller)  
*Distribution* : South 24 Pgs.
118. *Cephalodella forficula* (Ehrenberg)  
*Distribution* : South 24 Pgs. and Nadia.
119. *Cephalodella gibba* (Ehrenberg)  
*Distribution* : South 24 Pgs. and Hugli.
120. *Cephalodella mucronata* Harring & Myers  
*Distribution* : South 24 Pgs., Barddhaman, Bankura and Koch Bihar.
121. *Scaridium longicaudum* (Muller)  
*Distribution* : North 24 Pgs., South 24 Pgs., Hoara, Maldah and Koch Bihar.
- Family TRICHOCERCIDAE
122. *Trichocerca (Trichocerca) rattus* (Muller)  
*Distribution* : Kolkata, South 24 Pgs., Hugli and Medinipur.
123. *Trichocerca (Trichocerca) elongata braziliensis* (Murray)  
*Distribution* : Kolkata.
124. *Trichocerca (Trichocerca) pasilla* (Lauterborn)  
*Distribution* : Medinipur, Bankura and Koch Bihar.
125. *Trichocerca (Trichocerca) cylindrica* (Imhof)  
*Distribution* : Koch Bihar and Darjiling.

126. *Trichocerca (Diurella) similis* (Wierzejski)  
*Distribution* : Kolkata, North 24 Pgs., South 24 Pgs., Nadia, Medinipur, Koch Bihar and Darjiling.
127. *Trichocerca (Diurella) weberi* (Jennings)  
*Distribution* : Kolkata and South 24 Pgs.  
 Family ASPLANCHNIDAE
128. *Asplanchna brightwelli* Gosse  
*Distribution* : Kolkata, North 24 Pgs., South 24 Pgs., Nadia, Medinipur and Bankura.
129. *Asplanchna priodonata* Gosse  
*Distribution* : South 24 Pgs., Maldah, Koch Bihar and Darjiling.  
 Family SYNCHAETIDAE
130. *Polyarthra valgaris* Carlin, 1943  
*Distribution* : Kolkata, South 24 Pgs., Hugli, Medinipur, Maldah and Koch Bihar.  
 Family DICRANOPHORIDAE
131. *Dicranophorus forcipatus* Muller  
*Distribution* : South 24 Pgs., Hugli, Bankura, Maldah and Koch Bihar.
132. *Dicranophorus lutkeni* (Bergendal)  
*Distribution* : South 24 Pgs.  
 Family GASTROPHORIDAE
133. *Gastropus stylifer* Imhof.  
*Distribution* : Koch Bihar.
134. *Ascomorpha saltans* Bartsch  
*Distribution* : Koch Bihar.
135. *Ascomorpha ovalis* (Bergendal)  
*Distribution* : Medinipur and Darjiling.  
 Order GNESIOTROCHA  
 Suborder FLOSCULARIACEA  
 Family CONOCHILIDAE
136. *Conochilus natans* (Seligo)  
*Distribution* : Kolkata.
137. *Conochilus unicornis* Rousselet  
*Distribution* : Koch Bihar and Darjiling.  
 Family HEXARTHRIDAE
138. *Hexarthra mira* (Hudson)  
*Distribution* : North 24 Pgs., South 24 Pgs., Nadia, Bankura and Maldah.  
 Family TESTUDINELLIDAE
139. *Pompholyx sulcata* (Hudson)  
*Distribution* : Kolkata, North 24 Pgs., South 24 Pgs., Hugli, Nadia, Medinipur, Bankura, Maldah and Darjiling.
140. *Testudinella emarginula* (Sternroos)  
*Distribution* : Maldah and Koch Bihar.
141. *Testudinella parva* (Terners)  
*Distribution* : Darjiling.  
 Family FILINIDAE
142. *Filinia longiseta* (Ehrenberg)  
*Distribution* : Kolkata, North 24 Pgs., South 24 Pgs., Nadia, Medinipur, Bankura, Maldah and Koch Bihar.
143. *Filinia terminalis* (Plate)  
*Distribution* : Hoara, Hugli and Koch Bihar.
144. *Filinia opoliensis* Zacharias  
*Distribution* : Kolkata, North 24 Pgs., South 24 Pgs., Hoara, Hugli, Barddhaman, Bankura, Medinipur and Koch Bihar.
145. *Filinia pejeri* (Hutchinson)  
*Distribution* : Kolkata and South 24 Pgs.  
 Family TROCHOSPHERIDAE
146. *Horaella brehmi* Donner  
*Distribution* : Kolkata and South 24 Pgs.  
 Superorder DIGONOTA  
 Order BDELLOIDAE  
 Family PHILODINIDAE
147. *Rotaria neptunia* (Ehrenberg)  
*Distribution* : Kolkata, North 24 Pgs., South 24 Pgs. and Darjiling.

## GASTROTRICHA

Phylum GASTROTRICHA  
 Order CHAETONOTOIDA  
 Family CHAETONOTIDAE

1. ***Aspidophorus marinus*** Remane, 1926  
*Habitat* : Beach sand.  
*Distribution* : Medinipur.
2. ***Chaetonotus anomalus*** Brunson, 1950  
*Habitat* : Freshwater.  
*Distribution* : Darjiling and Hugli.
3. ***Chaetonotus atrox*** Wilke, 1954  
*Habitat* : Sand and mud.  
*Distribution* : North 24 Pgs., South 24 Pgs. and Medinipur.
4. ***Chaetonotus formosus*** Strokes, 1887  
*Habitat* : Plankton.  
*Distribution* : North 24 Pgs. and South 24 Pgs.
5. ***Chaetonotus longispinosus***  
 Strokes, 1887  
*Habitat* : Plankton.  
*Distribution* : South 24 Pgs. and Darjiling.
6. ***Chaetonotus octonarius*** Strokes, 1887  
*Habitat* : Freshwater and weeds.  
*Distribution* : South 24 Pgs.
7. ***Chaetonotus schulzei*** Metschnikoff  
*Habitat* : Freshwater and weeds.  
*Distribution* : Darjiling.
8. ***Chaetonotus similas*** Zelinka, 1889  
*Habitat* : Freshwater.  
*Distribution* : Darjiling and Hugli.
9. ***Ichthydium auritum*** Brunson, 1950  
*Habitat* : Plankton.  
*Distribution* : North 24 Pgs. and South 24 Pgs.

10. ***Lepidodermella squamatum***  
 (Dujardin, 1941)

*Habitat* : Freshwater and mud.

*Distribution* : South 24 Pgs. and Hugli.

11. ***Polymerurus nodicaudus***  
 (Voigt, 1901)

*Habitat* : Freshwater and mud.

*Distribution* : Medinipur.

Family XENOTRICHULIDAE

12. ***Xenotrochula tentaculatus***  
 Rao and Ganapati, 1968

*Habitat* : Sand

*Distribution* : Medinipur.

13. ***Xenotrochula velox*** Remane

*Habitat* : Sand and mud.

*Distribution* : South 24 Pgs. and Medinipur.

Order MACRODASYIDA

Family DACTYLOPODOLIDAE

14. ***Dactylopodola indica***  
 (Rao and Ganapati, 1968)

*Habitat* : Sand and mud.

*Distribution* : Medinipur.

Family LEPIDODASYIDAE

15. ***Acanthodasys aculeatus***  
 Remane, 1927

*Habitat* : Beach sand.

*Distribution* : Medinipur.

16. ***Paradasys littoralis***  
 Rao and Ganapati, 1968

*Habitat* : Beach sand.

*Distribution* : South 24 Pgs. and Medinipur.

Family MACRODASYIDAE

17. ***Macrodasys waltairensis***  
 Rao and Ganapati, 1968

*Habitat* : Beach sand.

*Distribution* : Medinipur.

18. ***Urodasys viviparus*** Wilke, 1954

*Habitat* : Beach sand.

*Distribution* : Medinipur.



Family PLANODASYIDAE

19. *Crasiella indica* Rao, 1980

*Habitat* : Beach sand.

*Distribution* : South 24 Pgs.

Family THAUMASTODERMATIDAE

20. *Pseudostomella indica* Rao, 1970

*Habitat* : Sand and mud.

*Distribution* : South 24 Pgs.

21. *Tetranchyroderma indica*

Rao and Ganapati, 1968

*Habitat* : Beach sand.

*Distribution* : North 24 Pgs. and Medinipur.

22. *Tetranchyroderma littoralis*

Rao, 1981

*Habitat* : Beach sand.

*Distribution* : South 24 Pgs. and Medinipur.

23. *Thaumastoderma heideri*

Remane, 1926

*Habitat* : Beach sand.

*Distribution* : South 24 Pgs. and Medinipur.

Family TURBANELLIDAE

24. *Paraturbanella mesoptera*

Rao, 1970

*Habitat* : Sand and mud.

*Distribution* : Medinipur.

## KINORHYNCHA

Phylum KINORHYNCHA  
Order CYCLORHAGIDA  
Family ECHINODERIDAE

1. ***Echinoderes bengalensis***

(Timm, 1958)

*Habitat* : Beach mud.

*Distribution* : Medinipur, North 24 Pgs. and South 24 Pgs.

2. ***Echinoderes sonadiae*** (Timm, 1958)

*Habitat* : Beach mud.

*Distribution* : North 24 Pgs.

3. ***Echinoderes ehlersi*** Zelinka, 1913

*Habitat* : Beach mud.

*Distribution* : Medinipur.

Family SEMNODERIDAE

4. ***Sphenoderes indicus*** Higgins, 1969

*Habitat* : Benthos.

*Distribution* : Medinipur.

Family PYCNOPHYIDAE

5. ***Pycnophyes sp.***

*Habitat* : Benthos.

*Distribution* : South 24 Pgs.

## NEMATODE PARASITES OF VERTEBRATE

Phylum NEMATODA  
 Class ADENOPHOREA  
 Order ENOPLIDA  
 Superfamily TRICHINELLOIDEA  
 Family TRICHURIDAE  
 Subfamily TRICHURINAE

1. ***Capillaria columbae*** (Rudolphi)

Host : Pigeon.

Distribution : Kolkata (Zoological Garden).

2. ***Capillaria prashadi***

Maplestone & Bhaduri

Host : *Rattus norvegicus*.

Distribution : Kolkata.

3. ***Trichuris discolor*** (Linstow)

Host : Zebra, Cattle, Buffalo, Okapi.

Distribution : Kolkata.

4. ***Trichuris globulosa*** (Linstow)

Host : Goat.

Distribution : Kolkata and Darjiling (Kurseong).

5. ***Trichuris*** sp.

Host : *Bandicota* sp.

Distribution : Haora.

6. ***Trichuris trichiura*** (Linnaeus)

Host : *Hylobatis* sp.

Distribution : Kolkata (Zoological Garden) and Darjiling (Ghoombhanjang).

7. ***Trichuris vulpis*** (Froelich)

Host : Dog.

Distribution : Murshidabad (Baharampur).

8. ***Trichuris ovis*** (Abildgaard)

Host : Sheep, Goat, Ox, Camel.

Distribution : Kolkata.

Class SECERNENTEA

Order ASCARIDIDA

Superfamily ASCARIDOIDEA

Family ASCARDIDAE

9. ***Amplichaecum capellae*** Majumdar

Host : *Gallinago gallinago*.

Distribution : Kolkata.

10. ***Amplichaecum ixobrychusi***

Majumdar & Chakravarty

Host : *Ixobrychus cinamomeus*.

Distribution : North 24 Pgs. (Dum Dum).

11. ***Amplichaecum phalacrocoraxi***

Chakraborty & Majumdar

Host : *Phalacrocorax* sp.

Distribution : Kolkata.

12. ***Amplichaecum Varani***

Baylis & Daubney

Host : Common monitor lizard.

Distribution : Kolkata (Zoological Garden).

13. ***Ascaris lumbricoides*** Linnaeus

Host : Human.

Distribution : Kolkata.

14. ***Ascaris*** sp.

Host : Rat.

Distribution : Puruliya.

15. ***Ophidascaris filaria*** (Dujardin)

Host : *Python molurus*.

Distribution : Kolkata (Haridevpur, Tollygung).

16. ***Ophidascaris gestri*** (Parona)

Host : *Natrix piscator*.

Distribution : Kolkata (Salt Lake).

17. ***Ophidascaris naiae*** (Gedoelst)

Host : *Naja tripudians*.

Distribution : Kolkata.

18. ***Ophidascaris piscator***

Soota & Chaturvedi

Host : *Natrix piscator*.

Distribution : North 24 Pgs. (Birati).

19. ***Parascaris equorum*** (Goeze)

Host : Horse.

Distribution : Kolkata.

20. ***Toxascaris leonina*** (V. Linstow)

Host : Lion, Tiger, Leopard.

Distribution : Kolkata (Zoological Garden).

21. ***Toxascaris transfuga*** (Rudolphi.)  
*Host* : Panda, Sloth Bear.  
*Distribution* : Kolkata (Zoological Garden).  
 Subfamily TOXOCARINAE
22. ***Dujardinascaris dujardini***  
 (Travassos)  
*Host* : *Crocodilus porosus*.  
*Distribution* : South 24 Pgs. (Canning port).
23. ***Multicaecum agile*** (Weld)  
*Host* : Gharial.  
*Distribution* : Kolkata (Zoological Garden).
24. ***Multicaecum gangeticum***  
 (Maplestone)  
*Host* : Gharial.  
*Distribution* : Kolkata (Zoological Garden).
25. ***Porrocaecum ardeae*** (Frolich)  
*Host* : Kite.  
*Distribution* : Kolkata.
26. ***Porrocaecum angusticolle*** (Molin)  
*Host* : Common crane.  
*Distribution* : Kolkata (Zoological Garden).
27. ***Porrocaecum ardeae*** (Frolich)  
*Host* : Common crane.  
*Distribution* : Kolkata (Zoological Garden).
28. ***Porrocaecum depressum*** (Zeder)  
*Host* : Vulture.  
*Distribution* : Kolkata (Zoological Garden).
29. ***Porrocaecum ibidis*** (Mapleston)  
*Host* : Tawny wood owl, Ibis.  
*Distribution* : Kolkata (Zoological Garden)  
 and Darjiling (Ghoombhanjang).
30. ***Porrocaecum reticulatum***  
 (Linstow)  
*Distribution* : Kolkata (Zoological Garden).
31. ***Toxocara canis*** (Werner)  
*Host* : Indian fox, Wolf.  
*Distribution* : Kolkata (Zoological Garden)  
 and Murshidabad (Baharampur).
32. ***Toxocara mystax*** (Zeder)  
*Host* : Domestic cat.  
*Distribution* : Kolkata (Indian museum).
33. ***Typhlophorus lamellaris*** Linstow  
*Host* : Gharial.  
*Distribution* : Kolkata (Zoological Garden).  
 Family ANISAKIDAE  
 Sub family ANISAKINAE
34. ***Contracaecum engonium***  
 Baylis & Daubney  
*Host* : Black stork.  
*Distribution* : Kolkata (Zoological Garden).
35. ***Contracaecum haliaeti***  
 Baylis & Daubney  
*Host* : Kite.  
*Distribution* : Kolkata (Chandni chowk).
36. ***Contracaecum lobulatum***  
 (Schneider)  
*Host* : *Plantanista gangetica*.  
*Distribution* : Haora (Hooghly river).
37. ***Contracaecum rosarium*** (Connal)  
*Host* : Indian Shag.  
*Distribution* : Kolkata.
38. ***Contracaecum spiculigerum***  
 (Rudolphi.)  
*Host* : Indian shag.  
*Distribution* : Kolkata.
39. ***Contracaecum tricuspe*** (Gedoelst)  
*Host* : Indian darter.  
*Distribution* : Kolkata.
40. ***Duplicaecum ibisi***  
 Majumdar & Chakraborty  
*Host* : Cattle egret.  
*Distribution* : North 24 Pgs. (Dum Dum).
41. ***Terranova pristis*** (Baylis & Daubney)  
*Host* : Saw fish.  
*Distribution* : Haora (Ulberia).

Subfamily GOEZIINAE

42. **Goezia gavialidis** Maplestone

Host : Gharial.

Distribution : Kolkata (Zoological Garden).

Subfamily RAPIDASCARIDINAE

43. **Lappetascaris lutjani** Rasheed

Host : *Ilisha feligera*.

Distribution : Kolkata and South 24 Pgs.

Superfamily HETERAKOIDEA

Family ASCARIDIIDAE

44. **Ascardia columbae** (Gmelin)

Host : *Columbia livia*.

Distribution : Kolkata (Zoological Garden).

45. **Ascardia cristata** (V. Linstow)

Host : *Grus antigone*.

Distribution : Kolkata (Zoological Garden).

46. **Ascardia stroma** (V. Linstow)

Host : *Grus grus*.

Distribution : Kolkata.

47. **Ascaridia compar** (Schrank)

Host : *Alectoris graeca chukar*.

Distribution : Kolkata (Zoological Garden).

48. **Ascaridia galli** (Schrank)

Host : Common fowl, Turkey, domestic duck.

Distribution : Kolkata (Zoological Garden).

Family HETERAKIDAE

Sub family HETERAKINAE

49. **Heterakis berhamporia** Lane

Host : Domestic fowl.

Distribution : Murshidabad (Baharampur).

50. **Heterakis bosia** Lane

Host : *Tragopan satyra*.

Distribution : Kolkata (Zoological Garden).

51. **Heterakis gallinae** (Gmelin)

Host : *Lophophorus impejanus*, *Tragopan* sp.

Distribution : Kolkata (Zoological Garden).

52. **Heterakis indica** Maplestone

Host : Domestic fowl.

Distribution : Kolkata (Kolkata market).

53. **Heterakis isolenche** V. Linstow

Host : *Tragopan satyra*.

Distribution : Kolkata (Zoological Garden) and Murshidabad.

54. **Heterakis papillosa** (Bloch)

Host : *Phasianus torquatus*.

Distribution : Kolkata (Zoological Garden).

55. **Heterakis parva** Maplestone

Host : *Euplocamus nyctemerus*.

Distribution : Kolkata.

56. **Heterakis pavonis**

Host : Silver pheasant.

Distribution : Kolkata (Zoological Garden).

57. **Heterakis spumosa** Schneider

Host : *Rattus norvegicus*, *Rattus Rattus*, *Bandicoota*.

Distribution : Maldah and Murshidabad (Baharampur).

58. **Heterakis vulvolabiata** Chandler

Host : *Arboricola torqueola*.

Distribution : Kolkata (Zoological Garden).

59. **Pseudaspidodera pavonis**

Baylis & Daubney

Host : *Pavo muticus*.

Distribution : Kolkata (Zoological Garden).

60. **Pseudaspidodera voluptuosa**

Chandler

Host : *Argusianus argus*.

Distribution : Kolkata (Zoological Garden).

61. **Pseudospidodera jnanendrae**

Chakraborty

Host : *Pavo cristatus*.

Distribution : Kolkata.

62. **Pseudospidodera spinosa**

Maplestone

Host : *Argusianus argus*.

Distribution : Kolkata (Zoological Garden).

Subfamily METERAKINAE

63. *Gireterakis girardi* Lane

*Host* : *Hystrix bengalensis*.

*Distribution* : Kolkata (Zoological Garden).

64. *Meterakis mabuyae* (Chakraborty)

*Host* : *Mabuya carinata*.

*Distribution* : Kolkata.

65. *Meteterakis govindi* Karve

*Host* : *Dattaphyrinus melanostictus*.

*Distribution* : North 24 Pgs. (Birati), Haora (Amta), Koch Bihar (Atiamochar), Maldah (Bhaluka), Murshidabad (Baharampur), South 24 Pgs. (Basna) and Dinajpur (Kulik).

Subfamily SPINICAUDINAE

66. *Africana bufonis*

Biswas & Chakraborty

*Host* : *Dattaphyrinus melanostictus*.

*Distribution* : Kolkata.

67. *Africana varani* Maplestone

*Host* : *Varanus bengalensis*.

*Distribution* : Kolkata (Zoological Garden).

68. *Strongyluris calotis*

Baylis & Daubney

*Host* : *Calotes versicolor*.

*Distribution* : North 24 Pgs. (Dum Dum), Bardhaman (Krishna sagar, Bardhaman) and Kolkata (Kolkata).

69. *Strongyluris chamaeleonis*

Baylis & Daubney

*Host* : *Chamaeleon vulgaris*.

*Distribution* : Kolkata (Zoological Garden).

Superfamily COSMOCERCOIDEA

Family ATRACTIDAE

70. *Atractis granulosa* (Railliet & Henry)

*Host* : *Testudo elongata*.

*Distribution* : Jalpaiguri (Baradighi).

71. *Atractis opeatura* Leidy

*Host* : Iguana.

*Distribution* : Kolkata (Zoological Garden).

72. *Monhysterides piscicola*

Baylis & Daubney

*Host* : *Tor tor*.

*Distribution* : Jalpaiguri (Torsa river, Falakata).

73. *Probstmayria simiae* Maptestone

*Host* : *Hyalobates hoolock*.

*Distribution* : Kolkata (Zoological Garden).

Family COSMOCERCIDAE

Sub family COSMOCERCINAE

74. *Cosmocercoides dukae* (Holl)

*Host* : Himalayan toad, Pelobatid toad.

*Distribution* : Darjiling (Kurseong, Manibhanjan).

75. *Oxysomatium anurae*

Biswas & Chakraborty

*Host* : *Dattaphyrinus melanostictus*.

*Distribution* : North 24 Pgs. (Barasat).

76. *Oxysomatium macintoshii*

(Stewart)

*Host* : Toad, Frog.

*Distribution* : North 24 Pgs. (Birati), Bankura (Suri), Birbhum (Gonpur, Sainthia, Tarapit), Bardhaman, Darjiling (Sukna), Haora (Amta), Koch Bihar (Atiamochar), Murshidabad (Baharampur), South 24 Pgs. (Basna), Puruliya and Dinajpur (Kulik).

77. *Oxysomatium stomatici*

Biswas & Chakraborty

*Host* : *Dattaphyrinus stomaticus*.

*Distribution* : Kolkata.

Family KATHLANIIDAE

78. *Falcaustra barbi* Baylis & Daubney

*Host* : *Tor tor*.

*Distribution* : Jalpaiguri (Torsa river, Falakata).

79. *Falcaustra bengalensis*

Manna & Mahapatra

*Host* : Turtle.

*Distribution* : South 24 Pgs. (Baruipur).

80. **Falcaustra brevispiculata** (Baylis)  
Host : *Euphlyctis hexadactyla*.

Distribution : Kolkata (Salt lake) and South 24 Pgs. (Sujapur, Falta).

81. **Falcaustra kempfi** (Baylis & Daubney)  
Host : *Testudo elongata*.

Distribution : Jalpaiguri (Baradighi, Jalpaiguri).

82. **Falcaustra leptcephala**

Baylis & Daubney

Host : *Tor tor*.

Distribution : Jalpaiguri (Torsa river, Falakata).

Subfamily CRUZIINAE

83. **Pseudocruzia orientalis** (Maplestone)

Host : Pig.

Distribution : Kolkata.

Superfamily SEURATOIDEA

Family CUCULLANIDAE

Sub family CUCULLANINAE

84. **Cucullanus pangasius**

Soota & Chaturvedi

Host : *Pangasius pangasius*.

Distribution : South 24 Pgs. (Sunderban).

85. **Cucullanus panijuseus** Dey Sarkar

Host : *Sillagionoperis panijus*.

Distribution : South 24 Pgs. (Diamond harbour).

86. **Cucullanus ritai** Karve

Host : *Rita buchani*.

Distribution : Kolkata.

87. **Dichelyne trionyxi**

Chakraborty & Majumdar

Host : *Trionyx gangeticus*.

Distribution : Kolkata.

88. **Dichelyne wallagoni**

Chakraborty & Majumdar

Host : *Walago attu*.

Distribution : Kolkata.

Family SUBULURIDAE

Sub family ALLODAPINAE

89. **Allodapa (Allodapa) turnicis**

(maplestone)

Host : *Turnix dussumieri*.

Distribution : Kolkata.

Subfamily LABIOBULURINAE

90. **Tarsubulura permata** (Ratzel)

Host : *Loris lydekkerianus*, *L. Gracilis*.

Distribution : Kolkata (Zoological Garden).

Subfamily SUBULURINAE

91. **Subulura (Subulura) andersoni**

(Cobbold)

Host : *Faunambulus pennanti*.

Distribution : Kolkata (Zoological Garden).

92. **Subulura (Subulura) galloperdicis**

Baylis & Daubney

Host : *Galloperdix spadicea*, *Francolinus*.

Distribution : Kolkata and Medinipur.

93. **Subulura (Subulura) multipapillata** (Chandler)

Host : *Rollus rouloul*.

Distribution : Kolkata (Zoological Garden).

94. **Subulura (Subulura) olympioi**

Barreto

Host : *Pavo cristatus*.

Distribution : Kolkata.

95. **Subulura (Subulura) perdicularia**

Dey Sarkar

Host : *Perdicula asiatica*.

Distribution : Medinipur (Jhargram).

Order OXYURIDA

Superfamily OXYUROIDEA

Family HETEROXYNEMATIDAE

96. **Syphaciella indica** Maplestone

Host : *Pterocels excustus*.

Distribution : Kolkata (Zoological Garden).

## Family OXYURIDAE

97. *Avilandros avis* (Maplestone)*Host* : *Tringa hypoleucos*.*Distribution* : Kolkata (Zoological Garden).98. *Enterobius anthropopithecii*  
(Gedoelst)*Host* : *Lemur brunneus*.*Distribution* : Kolkata (Zoological Garden).99. *Enterobius vermicularis* (Linnaeus)*Host* : Man.*Distribution* : Murshidabad (Baharampur).100. *Syphacia muris* (Yamaguti)*Host* : *Rattus* sp.*Distribution* : Kolkata.

## Family PHARYNGODONIDAE

101. *Pharyngodon gekko*  
(Chakraborty & Bhaduri)*Host* : *Gekko gekko*.*Distribution* : Kolkata.102. *Thelandros (Thelandros)*  
*maplestonii* (Chatterjee)*Host* : *Hemidactylus flaviviridis*, *Calotes versicolor*.*Distribution* : Bardhaman and Kolkata.

## Order SRIRURIDA

## Sub order CAMALLANINA

## Superfamily ACARIOIDEA

## Family ACURIIDAE

## Sub family ACUARIINAE

103. *Acuaria anthuris* (Rudolphi)*Host* : Redbilled blue magpie.*Distribution* : Kolkata (Zoological Garden).104. *Acuaria brevispicula* Maplestone*Host* : Magpie Robin.*Distribution* : Kolkata (Zoological Garden).105. *Acuaria conica* Maplestone*Host* : Magpie Robin.*Distribution* : Kolkata (Zoological Garden).106. *Acuaria indica* Maplestone*Host* : Shikra.*Distribution* : Kolkata (Zoological Garden).107. *Acuaria lata* Maplestone*Host* : Red crested wood-quail.*Distribution* : Kolkata (Zoological Garden).108. *Echinuria hargilae*  
(Baylis & Daubney)*Host* : Adjutant stork.*Distribution* : Kolkata (Zoological Garden).109. *Synhimantus (Dispharynx) nasuta*  
(Rudolphi)*Host* : Bronze winged Jacana.*Distribution* : Kolkata (Zoological Garden).110. *Syntimantus (Synhimantus)*  
*hydrabadensis* Ali*Host* : Crow Pheasant.*Distribution* : Bardhaman.111. *Syntimantus (Synhimantus)*  
*invaginatus* (Linstow)*Host* : Cattle egret.*Distribution* : Kolkata (Zoological Garden).112. *Syntimantus (Synhimantus)*  
*nanus* Maplestone*Host* : Golden backed woodpecker.*Distribution* : Kolkata (Zoological Garden).

## Subfamily SCHISTOROPHINAE

113. *Schistorophus tenuis* (Maplestone)*Host* : White breasted Kingfisher.*Distribution* : Kolkata (Zoological Garden).

## Subfamily SEURATIINAE

114. *Aviculariella alcyona* Wehr.*Host* : Kingfisher.*Distribution* : Kolkata (Zoological Garden).

## Superfamily CAMALLANOIDEA

## Family CAMALLANIDAE

115. *Camallanides prashadi*  
Baylis & Daubney*Host* : Banded Krait.*Distribution* : Kolkata (Zoological Garden) and South 24 Pgs. (Basna & Sujapur).



116. ***Camallanus anabantis*** Pearse  
*Host* : *Anabas testudineus*.  
*Distribution* : Birbhum and Kolkata.
117. ***Camallanus mastacembeli***  
 (Sahay & Sinha)  
*Host* : *Nandus nandus*.  
*Distribution* : Haora (Amta).
118. ***Paracamallanus singhi*** (Ali)  
*Host* : *Channa striatus*.  
*Distribution* : Kolkata and Dinajpur (Raigunj).
119. ***Spirocamallanus gubernaculus***  
 (Khera)  
*Host* : *Rita rita*.  
*Distribution* : Hoogly river.  
 Superfamily SPIRUROIDEA  
 Family GONGYLONEMATIDAE
120. ***Gongylonema (Gongylonema) capucini*** Maplestone  
*Host* : *Cebrus capucinus*.  
*Distribution* : Kolkata (Zoological Garden).  
 Sub family ASCAROPSINAE
121. ***Ascarops strongylina*** (Rud)  
*Host* : Domestic pig.  
*Distribution* : Kolkata and Darjiling (Kurseong).
122. ***Physocephalus primus***  
 (Maplestone)  
*Host* : Hollock Gibbon.  
*Distribution* : Kolkata (Zoological Garden).
123. ***Physocephalus sexalatus*** (Molin)  
*Host* : Domestic pig.  
*Distribution* : Darjiling (Kurseong).
124. ***Streptopharagus pigmentus***  
 (Linstow)  
*Host* : Hollock Gibbon.  
*Distribution* : Kolkata (Zoological Garden).  
 Subfamily SPIROCERCINAE
125. ***Cylicospirura (Cylicospirura) felinea*** (Chandler)  
*Host* : Domestic Cat.  
*Distribution* : Kolkata.
126. ***Cylicospirura (gastronodus) strassenii*** (Singh)  
*Host* : *Suncus murinus*.  
*Distribution* : Medinipur (Kanaisole).  
 Superfamily HABRONEMATOIDEA  
 Family HABRONEMATIDAE  
 Sub family HABRONEMATINAE
127. ***Habronema asymmetricum***  
 Maplestone  
*Host* : Pale harrier.  
*Distribution* : Kolkata (Zoological Garden).
128. ***Habronema avicedae***  
 Soota & Dey Sarkar  
*Host* : Indian Black Crested baza.  
*Distribution* : Darjiling (Sukna).
129. ***Habronema bulbosum*** (Linstow)  
*Host* : *Pavo cristatus*.  
*Distribution* : Kolkata (Zoological Garden).
130. ***Habronema casuarii*** Maplestone  
*Host* : Double wattled cassowary.  
*Distribution* : Kolkata (Zoological Garden).
131. ***Habronema diesingi*** Maplestone  
*Host* : Vulturine guinea fowl.  
*Distribution* : Kolkata (Zoological Garden).
132. ***Habronema euplocami*** Maplestone  
*Host* : Kalij Pheasant.  
*Distribution* : Kolkata (Zoological Garden).
133. ***Habronema imbricatum***  
 Maplestone  
*Host* : Scops Owl.  
*Distribution* : Kolkata (Zoological Garden).
134. ***Habronema indicum*** Maplestone  
*Host* : Indian Roller.  
*Distribution* : Kolkata (Zoological Garden).
135. ***Habronema magnilabiatum***  
 Maplestone  
*Host* : Himalayan grey-headed Fishing Eagle.  
*Distribution* : Kolkata (Zoological Garden).

Subfamily HISTOCEPHALINAE

136. *Vigiera majumdari* De

*Host* : Black Drongo.

*Distribution* : Bardhaman and Dinajpur (Kulik).

Family TETRAMERIDAE

Subfamily TETRAMERINAE

137. *Tetrameres (Microtetrameres) spiralis* (Seurat)

*Host* : Cattle Egret.

*Distribution* : Kolkata (Zoological Garden).

138. *Tetrameres (Tetrameres) spinosa* (Maplestone)

*Host* : Common Pochard.

*Distribution* : Kolkata (Zoological Garden).

Family CYSTIDICOLIDAE

139. *Pseudoproleptus vestibules* Khera

*Host* : *Mastacembelus armatus*.

*Distribution* : Darjiling Siliguri.

140. *Spinitectus caballeri*  
Datta & Majumdar

*Host* : *Bagarius bagarius*.

*Distribution* : Medinipur.

141. *Spinitectus minor* (Stewart)

*Host* : *Notopterus notopterus*.

*Distribution* : Kolkata.

Superfamily DIPLOTRIAENOIDEA

Family DIPLOTRIAENIDAE

Sub family DICHEILONEMATINAE

142. *Diplotriaena dubia* (Maplestone)

*Host* : Red billed Cough.

*Distribution* : Kolkata (Zoological Garden).

143. *Diplotriaena graculi* (Maplestone)

*Host* : Red billed Choug.

*Distribution* : Kolkata (Zoological Garden).

144. *Diplotriaena molpastisi*  
Majumdar & Chakraborty

*Host* : Red-vented bulbul.

*Distribution* : Kolkata.

145. *Diplotriaena nepalensis*

Soota & Chaturvedi

*Host* : Himalayan Whistling Thrush.

*Distribution* : Darjiling (Reang).

146. *Diplotriaena tricuspis* (Fedchenko)

*Host* : Laughing Thrush.

*Distribution* : Kolkata (Zoological Garden) and South 24 Pgs.

147. *Diplotriaena urocissae* (Maplestone)

*Host* : Yellow billed blue Magpie.

*Distribution* : Kolkata (Zoological Garden).

Subfamily DICHEILONEMATINAE

148. *Hastospiculum macrophallos*  
(Parona)

*Host* : *Varanus varanus*.

*Distribution* : Kolkata (Zoological Garden).

Superfamily FILARIOIDEA

Family ONCHOCERCIDAE

Subfamily WALTONELLINAE

149. *Ochoterenella ranae*  
Sarkar & Manna

*Host* : *Hoplobatrachus tigrinus*.

*Distribution* : South 24 Pgs. (Sonarpur), North 24 Pgs. (Habra).

150. *Ochoternella bengalensis*  
Sarkar & Manna

*Host* : *Dattaphyrinus melanostictus*.

*Distribution* : Haora (Lilua).

Superfamily APROCTOIDEA

Family APOCTIDAE

Sub family APROCTINAE

151. *Pseudaprocta vagabunda*  
Dey Sarkar

*Host* : Tree Pie.

*Distribution* : Birbhum (Gonpur).

Superfamily FILARIOIDEA

Family FILARIIDAE

Sub family FILARIINAE

152. *Filaria abbreviata* Rudolphi

*Host* : *Saxicola* sp.

*Distribution* : Kolkata (Zoological Garden).

153. ***Filaria haje*** Wedl.  
 Host : Cobra, Banded krait.  
 Distribution : Kolkata (Zoological Garden).  
 Family ONCHOCERIDAE  
 Sub family LEMDANINAE
154. ***Lemdana bengalensis***  
 Soota & Chaturvedi  
 Host : Brown Shrike.  
 Distribution : Kolkata (Salt lake).  
 Subfamily ONCHOCERCINAE
155. ***Dipletalonema digitatum***  
 (Chandler)  
 Host : Hoolock Gibbon.  
 Distribution : Kolkata (Zoological Garden).  
 Subfamily SETARIINAE
156. ***Papillosetaria verersi*** Maplestone  
 Host : *Tragulus javanicus*.  
 Distribution : Kolkata (Zoological Garden).
157. ***Setaria cervi*** (Rudolphi)  
 Host : *Cervus axis*.  
 Distribution : Kolkata (Zoological Garden).
158. ***Setaria equina*** (Abildgaard)  
 Host : Donkey, Horse, Mule.  
 Distribution : Kolkata.  
 Subfamily SPLENDIDOFILARIINAE
159. ***Chandlerella bosei*** (Chandler)  
 Host : Racket Tailed Drongo.  
 Distribution : Kolkata (Zoological Garden).
160. ***Protofililaria furcata*** Chandler  
 Host : Ruffed Lemur.  
 Distribution : Kolkata (Zoological Garden).  
 Superfamily GNATHOSTOMATOIDEA  
 Family GNATHOSTOMATIDAE  
 Sub family GNATHOSTOMATINAE
161. ***Echinocephalus uncinatus*** Molin  
 Host : *Trygon* sp.  
 Distribution : Hugli.
162. ***Gnathostoma doloresi*** Tubangu  
 Distribution : Kolkata.
163. ***Tanqua anomala*** (Linstow)  
 Host : Snake.  
 Distribution : North 24 Pgs. (Birati), Kolkata (Zoological Garden), Haora (Ulberia) and South 24 Pgs. (Sagar Island).
164. ***Tanqua tiara*** (Linstow)  
 Host : *Varanus bengalensis*.  
 Distribution : Kolkata (Zoological Garden) and South 24 Pgs. (Bhasana).  
 Subfamily SPIROXYINAE
165. ***Spiroxys gangeticus*** Baylis & lane  
 Host : *Trionyx gangeticus*.  
 Distribution : Haora (Gangetic delta).
166. ***Spiroxys gubernae***  
 Chakraborty & Mazumdar  
 Host : *Chitra india*.  
 Distribution : North 24 Pgs. (Baranagar).  
 Superfamily DRACUNCULOIDEA  
 Family MICROPLEURIDAE
167. ***Micropleura vivipara*** Linstow  
 Host : Gharial.  
 Distribution : Kolkata (Zoological Garden).  
 Superfamily PHYSALOPTEROIDEA  
 Family PHYSALOPTERIDAE  
 Sub family PHYSALOPTERINAE
168. ***Abbreviata varani*** (Parona)  
 Host : *Varanus bengalensis*.  
 Distribution : North 24 Pgs. (Bhasana).
169. ***Physaloptera alata*** Rudolphi  
 Host : Sparrow Hawk.  
 Distribution : Darjiling.
170. ***Physaloptera brevispiculum***  
 V. Linstow  
 Host : *Felis temmincki*.  
 Distribution : Kolkata.

171. ***Physaloptera praeputialis***  
V. Linstow  
*Host* : Domestic cat.  
*Distribution* : Kolkata.
172. ***Physaloptera*** sp.  
*Host* : *Vulpus bengalensis*.  
*Distribution* : Kolkata.  
Subfamily PROLEPTINAE
173. ***Heliconema longissima*** (Ortlepp)  
*Host* : *Mastacembalus armatus*.  
*Distribution* : South 24 Pgs. (Sonarpur).  
Superfamily THELAZIOIDAE  
Family THELAZIIDAE  
Subfamily OXYSPURURINAE
174. ***Oxyspirura (Barusispirura) montana*** Soota & Dey Sarkar  
*Host* : Brown Crested Tit.  
*Distribution* : Darjiling (Tonglu).
175. ***Oxyspirura (Barusispirura) longistrata*** Sarkar  
*Host* : Jungle Babbler.  
*Distribution* : Birbhum (Gonpur).
176. ***Oxyspirura (Hamulofilaria) indica***  
(Chandler)  
*Host* : *Cissa chinensis*.  
*Distribution* : Kolkata (Zoological Garden).  
Subfamily THELAZIINAE
177. ***Thelazia (Thelazia) rhodesii***  
(Desmarest)  
*Host* : Domestic cow.  
*Distribution* : Jalpaiguri.
178. ***Thelazia (Thelazella) campanulata*** (Molin)  
*Host* : Whistling thrush, Jungle crow.  
*Distribution* : Jalpaiguri (Kuntimari);  
Darjiling (Reang), W. Dinajpur (Kulik).  
Family RHABDOCHONIDAE
179. ***Rhabdochona (Globochona)*** sp.  
*Host* : *Eutropiichthys vacha*.  
*Distribution* : Maldah (Bhaluka).
- Order STRONGYLIDA  
Superfamily TRICHOSTRONGYLOIDAE  
Family AMIDOSTOMATIDAE  
Sub family AMIDOSTOMATINAE
180. ***Amidostomum skrjabini*** Boulenger  
*Host* : Golden eyed Pochard.  
*Distribution* : Kolkata (Zoological Garden).  
Subfamily EPOMIDIOSTOMATINAE
181. ***Epomidiostomum uncinatum***  
(Lundhal)  
*Host* : Pintail Duck.  
*Distribution* : Kolkata (Zoological Garden).
182. ***Pseudamidostomum boulengeri***  
Maplestone  
*Host* : Cotton Teal.  
*Distribution* : Kolkata (Zoological Garden).  
Family ORNITHOSTRONGYLIDAE  
Sub family ORNITHOSTRONGYLINAE
183. ***Ornithostromylus nicobaricus***  
Maplestone  
*Host* : Nicobar Pigeon.  
*Distribution* : Kolkata (Zoological Garden).
184. ***Ornithostromylus travassosi***  
Maplestone  
*Host* : Coral-billed Pigeon.  
*Distribution* : Kolkata (Zoological Garden).  
Family TRICHOSTRONGYLIDAE  
Sub family HAEMONCHINAE
185. ***Haemonchus contortus*** (Rudolphi.)  
*Host* : Sheep.  
*Distribution* : Kolkata.
186. ***Mecistocirrus digitatus*** (Linstow)  
*Host* : Cow.  
*Distribution* : Darjiling (Ghoom).  
Family MOLINEIDAE  
Sub family MOLINEINAE
187. ***Oswaldocruzia goezea*** (Goeze)  
*Host* : *Bufo melanostictus*, *Rana tigrina*,  
*Calotes*.

*Distribution* : North 24 Pgs. (Birati, Dum Dum), Birbhum (Tarapith, Sainthia), Bardhaman, Kolkata, Haora (Amta), Koch Bihar (Atiamochar), Maldah (Bhatia Bill), Murshidabad (Baharampur) and South 24 Pgs. (Basana).

Superfamily METASTRONGYLOIDEA

Family ANGIOSTRONGYLIDAE

188. ***Pulmostrongylus palustris***  
(Soota & Chaturvedi)

*Host* : Indian Marsh Mongoose.

*Distribution* : South 24 Pgs. (Bhasana).

Superfamily ANCYLOSTOMATOIDEA

Family ANCYLOSTOMATIDAE

Sub family ANCYLOSTOMATINAE

189. ***Ancylostoma (Ancylostoma) caninum*** (Ercolani)

*Host* : Wild Dog, Wolf, Fox, Leopard, Fishing Cat.

*Distribution* : Kolkata (Zoological Garden) and Darjiling (Kalimpong).

190. ***Ancylostoma (Ancylostoma) duodenale*** (Dublin)

*Host* : Man, Tiger.

*Distribution* : Kolkata (Zoological Garden), Darjiling and Murshidabad.

191. ***Ancylostoma (Ceylancylostoma) ceylanicum*** Leiper

*Host* : *Canius aurius*, *C. pallipes*, *Cyon dukhunernsis*.

*Distribution* : Kolkata (Zoological Garden, Indian Museum), Darjiling and Murshidabad.

192. ***Ancylostoma (Ceylancylostoma) malayanum*** (Alessandrini)

*Host* : Sloth Bear, Malay Bear.

*Distribution* : Kolkata (Zoological Garden) and Darjiling.

193. ***Arthrostroma longespiculum***  
(Maplestone)

*Host* : Civet cat.

*Distribution* : Kolkata (Zoological Garden).

194. ***Galoncus perniciosus*** (Linstow)

*Host* : *Panthera pardus*.

*Distribution* : Kolkata (Zoological Garden).

195. ***Globocephalus connorfilli*** Lane

*Host* : Pig.

*Distribution* : Kolkata.

196. ***Globocephalus samoensis*** Lane

*Host* : Pig.

*Distribution* : Kolkata.

197. ***Globocephalus urosubulatus***  
(Alessandrini)

*Host* : Pig.

*Distribution* : Kolkata.

Subfamily BUNOSTOMINAE

198. ***Bunostomum cobbi*** Maplestone

*Host* : Water buck.

*Distribution* : Kolkata (Zoological Garden).

199. ***Bunostomum trigonocephalum***  
(Rudolphi)

*Host* : Sheep.

*Distribution* : Darjiling.

200. ***Necator americanus*** (Stiles)

*Host* : African Rhinoceros, Indian Rhinoceros.

*Distribution* : Kolkata (Zoological Garden).

201. ***Tetragomphius procyonis***  
Baylis & daubney

*Host* : Raccoon.

*Distribution* : Kolkata (Zoological Garden).

Superfamily DIAPHANOCEPHALOIDEA

Family DIAPHANOCEPHALIDAE

202. ***Kalicephalus (Kalicephaloides) minutus*** (Baylis & Daubney)

*Host* : *Naja tripudiens*, *Bungarus fasciatus*.

*Distribution* : North 24 Pgs. (Birati) and Kolkata (Zoological Garden).

203. ***Kalicephalus (Occiptodontus) fimbriatus*** (Ortlepp)

*Host* : Bandred Krait, *Bungarus fasciatus*.

*Distribution* : North 24 Pgs. (Birati) and Kolkata (Zoological Garden).

204. ***Kalicephalus (Schadius) brachycephalus*** Maplestone  
*Host* : Rat Snake.  
*Distribution* : Kolkata (Zoological Garden).
205. ***Kalicephalus (Schadius) elongates***  
 Maplestone  
*Host* : Rat Snake.  
*Distribution* : Kolkata (Zoological Garden).
206. ***Kalicephalus (Schadius) indicus***  
 Ortlep  
*Host* : *Ptyas mucosus*, *Bungarus fasciatus*,  
*Natrix piscator*.  
*Distribution* : Kolkata (Salt Lake) and South  
 24 Pgs. (Bhasana).
207. ***Kalicephalus (Schadius) longior***  
 Maplestone  
*Host* : *Naja tripudians*, *Bungarus fasciatus*.  
*Distribution* : Kolkata (Zoological Garden).
208. ***Kalicephalus (Schadius) willeyi***  
 Linstow  
*Host* : *Bungarus fasciatus*, *Naja tripudians*,  
*Ptyas*.  
*Distribution* : North 24 Pgs. (Birati) and  
 Kolkata (Zoological Garden).
209. ***Kalicephalus*** sp.  
*Host* : *Enhydris* sp.  
*Distribution* : Kolkata (Salt lake) and South  
 24 Pgs. (Sujapur).
- |             |               |
|-------------|---------------|
| Superfamily | STRONGYLOIDEA |
| Family      | CHABERTIIDAE  |
| Subfamily   | CHABERTIINAE  |
210. ***Agriostomum vryburgi*** Railliet  
*Host* : *Bos indicus*.  
*Distribution* : Darjiling.  
 Subfamily OESOPHAGOSTOMINAE
211. ***Bourgelatioides traguli*** Chandler  
*Host* : *Tragulus javanicus*.  
*Distribution* : Kolkata (Zoological Garden).
212. ***Oesophagostomum (Bosicola) curvatum*** (Maplestone )  
*Host* : *Axis axis*.  
*Distribution* : Kolkata (Zoological Garden).
213. ***Oesophagostomum (Bosicola) radiatum*** (Rud)  
*Host* : Bison, *Bos bubalus*.  
*Distribution* : Kolkata (Zoological Garden)  
 and Darjiling (Darjiling).
214. ***Oesophagostomum (Conoweberia) blanchardi*** Railliet & Henry  
*Host* : *Hylobates hoolock*.  
*Distribution* : Kolkata (Zoological Garden).
215. ***Oesophagostomum (Conoweberia) ovatum*** (Linstow)  
*Host* : *Hylobates hollock*.  
*Distribution* : Kolkata (Zoological Garden).
216. ***Oesophagostomum (conoweberia) tridentatum*** Maplestone  
*Host* : Dusky langur.  
*Distribution* : Kolkata (Zoological Garden).
217. ***Oesophagostomum (Hysteracrum) asperum*** Railliet & Henry  
*Host* : Goat.  
*Distribution* : Darjiling (Kurseong).
218. ***Oesophagostomum (Hysteracrum) indicum*** Maplestone  
*Host* : *Axis axis*, *Cervus elaphus*.  
*Distribution* : Kolkata (Zoological Garden).
219. ***Oesophagostomum (Oesophagostomum) brevicaudum***  
 Schwartz & Alicata  
*Host* : Pig.  
*Distribution* : Kolkata.
220. ***Oesophagostomum (Oesophagostomum) dentatum***  
 (Rudolphi)  
*Host* : Pig.  
*Distribution* : Kolkata and Darjiling.

221. ***Oesophagostomum (Oesophagostomum) maplestonei*** (Schwartz)  
 Host : Pig.  
 Distribution : Kolkata.
222. ***Oesophagostomum (Oesophagostomum) quandriscinulatum*** (Marcone)  
 Host : Pig.  
 Distribution : Kolkata.
223. ***Oesophagostomum (Proteracrum) columbianum*** (Curtice)  
 Host : Goat.  
 Distribution : Kolkata and Darjiling (Ghoom).
224. ***Rhabdiostomum traguli*** (Maplestone)  
 Host : *Tragulus javanicus*.  
 Distribution : Kolkata (Zoological Garden).  
 Family STRONGYLIDAE  
 Subfamily CYANTHOSTOMINAE
225. ***Khalilia pileata*** (Railliet, Henry & Bauche)  
 Host : Indian elephant.  
 Distribution : Murshidabad.
226. ***Murshidia (Murshidia) falcifera*** (Cobbard)  
 Host : Indian elephant.  
 Distribution : Jalpaiguri.
227. ***Murshidia (Murshidia) murshidia*** Lane  
 Host : Indian elephant.  
 Distribution : Jalpaiguri.  
 Subfamily STRONGYLINAE
228. ***Choniangium epistomum*** (Piana)  
 Host : Indian elephant.  
 Distribution : Murshidabad (Baharampur).
- Order RHABDITIDA  
 Superfamily RHABDITOIDEA  
 Family RHABDIASIDAE
229. ***Rhabdias bulbicauda*** Sarkar & Manna  
 Host : *Dattaphyrinus melanestictus*.  
 Distribution : North 24 Pgs. and South 24 Pgs.
- Taxonomic status uncertain**
230. ***Amphisakis bengalensis*** Chakraborty & Mazumdar  
 Host : *Eutropiichthys bengalensis*.  
 Distribution : Kolkata.
231. ***Aproctooides lissum*** Chandler  
 Host : Magpie Robin.  
 Distribution : Kolkata (Zoological Garden).
232. ***Neoprotozoophaga bufonis*** Biswas & Chakraborty  
 Host : *Bufo melanostictus*.  
 Distribution : North 24 Pgs. (Barasat).
233. ***Neoprotozoophaga natrivi*** Biswas & Chakraborty  
 Host : *Natrix stolata*.  
 Distribution : North 24 Pgs. (Dum Dum).
234. ***Paraicosiella coturnyx*** Majumdar & Chakraborty  
 Host : *Coturnyx coturnyx*.  
 Distribution : Kolkata.
235. ***Paraprocta brevicaudata*** (Chandler)  
 Host : Racket-tailed Drongo.  
 Distribution : Kolkata (Zoological Garden).
236. ***Propharyngodon ranae*** Biswas & Chakraborty  
 Host : *Euphlyctis tigrina*.  
 Distribution : North 24 Pgs. (Dum Dum).

## PLANT PARASITIC NEMATODES

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| <p>Class SECERNENTIA</p> <p>Order TYLENCHIDA</p> <p>Suborder TYLENCHINA</p> <p>Infraorder TYLENCHATA</p> <p>Superfamily TYLENCHOIDEA</p> <p>Family TYLENCHIDAE</p> <p>Subfamily TYLENCHINAE</p> <p>1. <i>Tylenchus arcuatus</i> Siddiqi</p> <p><i>Distribution</i> : Birbhum.</p> <p>2. <i>T. davainei</i> Bastian</p> <p><i>Distribution</i> : Birbhum, Bardhaman and Hooghly.</p> <p>3. <i>Filenchus filiformis</i> (Bütschli) Meyl</p> <p><i>Distribution</i> : North 24 Pgs. (Barrackpore), Hooghly (Arambagh) and East Medinipur (Ghatal).</p> <p>Subfamily BOLEODORINAE</p> <p>4. <i>Boleodorus acutus</i> Thorne &amp; Malek</p> <p><i>Distribution</i> : Birbhum.</p> <p>Subfamily DUOSULCIINAE</p> <p>5. <i>Ottolenchus equisetus</i> (Husain &amp; Khan) Wu</p> <p><i>Distribution</i> : Birbhum (Bolpur).</p> <p>Infraorder ANGUINATA</p> <p>Superfamily ANGUINOIDEA</p> <p>Family ANGUINIDAE</p> <p>Subfamily ANGUININAE</p> <p>6. <i>Ditylenches caudatus</i> Thorne &amp; Malek</p> <p><i>Distribution</i> : Birbhum (Bolpur).</p> <p>7. <i>D. dipsaci</i> (Kühn) Filipjev</p> <p><i>Distribution</i> : Murshidabad.</p> <p>8. <i>D. mirus</i> Siddiqi</p> <p><i>Distribution</i> : Bardhaman.</p> <p>9. <i>Indoditylenchus sundarbanensis</i> Sinha, Choudhury &amp; Baqri</p> <p><i>Distribution</i> : South 24 Pgs. (Sundarban).</p> | <p>10. <i>Nothotylenchus acutus</i> Khan</p> <p><i>Distribution</i> : W. Dinajpur.</p> <p>11. <i>Safianema anchilisposoma</i> (Tarjan) Siddiqi</p> <p><i>Distribution</i> : Bardhaman, Hooghly (Jangipara), Haora and South 24 Pgs.</p> <p>Subfamily HALENCHINAE</p> <p>12. <i>Chitinotylenchus paragracilis</i> (Micoletzuy) Filipjev</p> <p><i>Distribution</i> : North 24 Pgs. and Haora.</p> <p>Suborder HOPLOLAIMINA</p> <p>Superfamily HOPLOLAIMOIDEA</p> <p>Family HOPLOLAIMIDAE</p> <p>Subfamily HOPLOLAIMINAE</p> <p>13. <i>Hoplolaimus (Basirolaimus) columbus</i> Sher</p> <p><i>Distribution</i> : Bardhaman.</p> <p>14. <i>H. (B.) dudius</i> Chaturvedi &amp; Khera</p> <p><i>Distribution</i> : Musshidabad (Rangasagar).</p> <p>15. <i>H. (B.) indicus</i> Sher</p> <p><i>Host</i> : Citrus.</p> <p><i>Distribution</i> : Birbhum, Bardhaman, Darjiling, Murshidabad, Jalpaiguri and Dinajpur.</p> <p>16. <i>H. (B.) seinhorsti</i> (Luc) Shamsi</p> <p><i>Distribution</i> : Birbhum.</p> <p>17. <i>Scutellonema brachyurus</i> (Steiner) Andrassy</p> <p><i>Distribution</i> : Darjiling.</p> <p>Subfamily ROTYLENCHOIDINAE</p> <p>18. <i>Helicotylenchus abunaamai</i> Siddiqi</p> <p><i>Distribution</i> : Birbhum (Kharbani) and Jalpaiguri.</p> <p>19. <i>H. dihystera</i> (Cobb) Sher</p> <p><i>Distribution</i> : Darjiling (Lebong, Darjiling, Phoolsering, Dargapur and Kurseong).</p> |
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20. *H. digitatus* Siddiqi & Husain  
Distribution : Jalpaiguri.
21. *H. erythrinae* (Zimmermann) Golden  
Distribution : Darjiling (Darjiling), Haora and North 24 Pgs. (North & South).
22. *H. indicus* Siddiqi  
Distribution : North 24 Pgs., Darjiling, Haora (Mourigram, Sankrail, Andul), Nadia, South 24 Pgs. and almost all the districts of W. Bengal.
23. *H. medinipurensis* Gantait *et al.*  
Distribution : East Medinipur (Kesiwari).
24. *H. microcephalus* Sher  
Distribution : Haora (Belur) and Jalpaiguri.
25. *H. minzi* Sher  
Distribution : Maldah.
26. *H. mucronatus* Siddiqi  
Distribution : North 24 Pgs., South 24 Pgs., Nadia, Hooghly and Bardhaman.
27. *H. multicinctus* (Cobb) Golden  
Distribution : Darjiling and Western plains.
28. *H. paraplatyurus* Siddiqi  
Distribution : Haora (Belur).
29. *H. retusus* Siddiqi & Brown  
Distribution : Birbhum and Bardhaman (Krishnapur, Majherpara).
30. *H. seshadrii* Singh & Khera  
Distribution : Haora.  
Family ROTYLENCHULIDAE  
Subfamily ROTYLENCHULINAE
31. *Rotylenchulus reniformis* Linford & Oliveira  
Distribution : Bardhaman, Hooghly, North 24 Pgs. and South 24 Pgs.  
Family PRATYLENCHIDAE  
Subfamily PRATYLENCHINAE
32. *Pratylenchus brachyurus* (Godfrey, 1929) Filipjev & Schuurmans Stekhoven  
Distribution : Darjiling.
33. *P. coffeae* (Zimmermann) Filipjev & Schuurmans Stekhoven, 1941  
Distribution : North 24 Pgs.
34. *P. neglectus* (Rensch) Filipjev & Schuurman Stekhoven  
Syn. *P. minyus* Sher & Allen  
Distribution : Hugli.
35. *P. pratensis* (de Man) Filipjev
36. *P. seribneri* Steiner  
Distribution : Jalpaiguri.
37. *P. thornei* Sher & Allen  
Distribution : Darjiling, Maldah.  
Subfamily HIRSCHMANNIELLINAE
38. *Hirschmanniella gracilis* (Man) Luc & Goodey  
Distribution : Birbhum, Bardhaman, Darjiling, Maldah, Murshidabad, Jalpaiguri and W. Dinajpur.
39. *H. mannai* Gantait *et al.*  
Distribution : East Medinipur.
40. *H. oryzae* (van Breda de Haan) Luc & Goodey  
Distribution : East Medinipur, Birbhum (Bolpur), Bardhaman (Memari, Monteswar), Jalpaiguri and Hooghly (Arambagh).  
Family MELOIDOGYNIDAE
41. *Meloidogyne graminicola* Golden & Birchfield  
Distribution : Bardhaman, Hooghly and Maldah.
42. *M. incognita* (Kofoid & White) Chitwood  
Distribution : Birbhum (Bolpur, Santinekatan, Nanur) and Hooghly (Arambagh, Tarkeshwar).
43. *M. javanica* (Treub) Chitwood  
Distribution : Bankura (Chatna, Kotulpur), Bardhaman (Memari) and Hooghly (Bainchi).

Family TELOTYLENCHIDAE

Subfamily TELOTYLENCHINAE

44. *Tylenchorhynchus annulatus*

(Cassidy) Golden

*Distribution* : Murshidabad, Jalpaiguri.

45. *T. brassicae* Siddiqi

*Distribution* : Birbhum and Darjiling.

46. *T. divittatus* Siddiqi

*Distribution* : Maldah.

47. *T. elegans* Siddiqi

*Distribution* : Jalpaiguri, North 24 Pgs., South 24 Pgs., Nadia, Hooghly, Maldah, Murshidabad and Bardhaman.

48. *T. leviterminalis* Siddiqi, Mukherjee & Dasgupta

*Distribution* : Bardhaman, Hooghly, Darjiling.

49. *T. mashhoodi* Siddiqi & Basir

*Distribution* : Jalpaiguri, Bankura (Susunia), Bardhaman (Shaktigarh), Murshidabad (Jangipur), Maldah, East Medinipur.

50. *T. nudus* Allen

*Distribution* : Jalpaiguri.

51. *T. zae* Sethi & Swarup

*Distribution* : Murshidabad and all districts of South Bengal.

52. *Bitylenchus brevilineatus* (Williams) Jairajpuri

*Distribution* : Nadia, Hooghly, Bardhaman, Murshidabad, Malda, North and South 24 Pgs.

53. *B. goffarti* (Sturhan) Jairajpuri

*Distribution* : North 24 Parganas, South 24 Pgs. and Birbhum.

54. *B. swarupi* (Singh & Khera) Jairajpuri

*Distribution* : Around Kolkata.

55. *Quinisulcius capitatus* (Allen) Siddiqi

*Distribution* : Darjiling (Kalimpong).

56. *Nagelus affinis* (Allen) Siddiqi

*Distribution* : Darjiling.

Suborder CRICONEMATINA

Family CRICONEMATIDAE

Subfamily CRICONEMATINAE

57. *Criconema (Criconema) bengalense*

(Sinha, Baqri & Choudhury) Siddiqi

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sagar Island).

58. *C. (Nothocriconemella) degrissei*

(Bagri) Raski & Luc

*Distribution* : Darjiling.

Subfamily MACROPOSTHONIINAE

59. *Macroposthonia brevistylus* (Singh & Khera) Ebsary

*Distribution* : Haora.

60. *Macroposthonia ferniae* (Luc) De Grisse & Loof

*Distribution* : Hooghly.

61. *Macroposthonia onoensis* (Luc) De Grisse & Loof

*Distribution* : Darjiling, Bardhaman.

62. *M. ornata* (Raski) De Grisse & Loof

*Distribution* : Bardhaman, Darjiling, Jalpaiguri, Maldah, Hugli and W. Dinajpur.

63. *M. rustica* (Micoletzky) De Grisse & Loof

*Distribution* : Bardhaman.

Subfamily HEMICRICONEMOIDINAE

64. *Hemicriconemoides brachyurus*

(Loos) Chitwood & Birchfield

*Distribution* : Hugli.

65. *H. cocophillus* (Loos) Chitwood & Birchfield

*Distribution* : Birbhum, Bardhaman, Hugli, Haora and Darjiling.

66. *H. mangiferae* Siddiqi

*Distribution* : Cooch Bihar.

67. ***H. sunderbanensis*** Ganguly & Khan*Distribution* : South 24 Pgs. (Sunderbans).

Superfamily TYLENCHULOIDEA

Family TYLENCHULIDAE

Subfamily TYLENCHULINAE

68. ***Tylenchus semipenetrans*** Cobb*Distribution* : Darjiling.

Family PARATYLENCHIDAE

Subfamily PARATYLENCHINAE

69. ***Paratylenchus (Paratylenchus) dianthus*** Jenkins & Taylor*Distribution* : Darjiling and Jalpaiguri.70. ***Paratylenchus (Gracilacus) janai***  
(Bagri) Siddiqi*Distribution* : Bardhaman.

## ACANTHOCEPHALA

Family OLIGACANTHORHYNCHIIDAE

1. ***Macracanthorhynchus hirudinoceus***  
(Pallas, 1781) Travassos, 1917

*Host* : *Sus scrofa cristata*.*Location* : Intestine.*Distribution* : Kolkata.

Family MONILIFORMIDAE

2. ***Moniliformis spiralis*** Subramaniam,  
1927

*Host* : *Bandicoota* sp.*Location* : Intestine.*Distribution* : Kolkata.

Family QUADRIGYRIDAE

3. ***Acanthosentis antepinus*** Verma and  
Datta, 1929

*Host* : *Mystus gulio*.*Location* : Intestine.*Distribution* : Kolkata.

4. ***Acanthosentis dattai*** Podder, 1938

*Host* : *Barbus ticto*, *Barbus stigma*.*Location* : Intestine.*Distribution* : Kolkata (Salt Lake).

5. ***Acanthosentis sircari*** Podder, 1941

*Host* : *Rasbora elonga*.*Location* : Intestine.*Distribution* : Kolkata.

6. ***Acanthosentis giuris*** Soota and Sen, 1954

*Host* : *Glossogobius giuris*.*Location* : Intestine.*Distribution* : North 24 Pgs. (Palta).

7. ***Raosentis podderi*** Datta, 1947

*Host* : *Mystus cavasius*.*Location* : Intestine.*Distribution* : Kolkata.

8. ***Pallisentis nandai*** Sarkar, 1953

*Host* : *Nandus nandus*.*Location* : Intestine.*Distribution* : Kolkata.

Family NEOECHINORHYNCHIDAE

9. ***Neoechinorhynchus topseyi*** Podder,  
1937

*Host* : *Polynemues heptadactylus* and  
*Cyanoglossus lingua*.*Location* : Intestine.*Distribution* : Kolkata.

10. ***Neoechinorhynchus bangoni***  
Tripathi, 1959

*Host* : *Mugil tade*.*Location* : Intestine.*Distribution* : Kolkata.

Family ARTYTHMACANTHIDAE

11. ***Paracanthocephaloides tripathii***  
Golvan, 1969

*Host* : *Plotosus caninus*.*Location* : Intestine.*Distribution* : South 24 Pgs. (Port Canning).

Family CENTRORHYNCHIDAE

12. ***Centrorhynchus erraticus*** Chandler,  
1925

*Host* : *Felis catus*.*Location* : Small intestine.*Distribution* : Kolkata.

13. ***Centrorhynchus bengalensis*** Datta  
and Soota, 1954

*Host* : *Dinopium* sp.*Location* : Intestine.*Distribution* : Kolkata.

14. ***Centrorhynchus knowlesi*** Datta and  
Soota, 1954

*Host* : *Ottus* sp.*Location* : Intestine.*Distribution* : Kolkata.

15. ***Centrorhynchus smyrnensis***  
Bhattacharya, 2007

*Host* : *Halcyon smyrnensis*.*Location* : Intestine.*Distribution* : Kolkata.

**SIPUNCULA**

Phylum SIPUNCULA  
Class PHYLACTOLAEMATA  
Order SIPUNCULIFORMES  
Family SIPUNCULIDAE

1. ***Sipunculus nudus*** Linnaeus, 1766

*Distribution* : East Medinipur (Digha).

2. ***Siphonosoma australe***

(Keferstein, 1865)

*Distribution* : East Medinipur (Digha).

3. ***Phascolosoma arcuatum*** (Gray, 1828)

*Distribution* : South 24 Pgs. (Sagar Island  
Chemguri, Gangasagar, Canning, Jharkhali  
Sunderbans, Bakkhali).

## FRESH WATER & LAND MOLLUSCS

Phylum MOLLUSCA  
 Class GASTROPODA  
 Order ARCHAEOGASTROPODA  
 Family NERITIDAE

1. ***Neritina (Dostia) violacea*** (Gmelin)

*Habitat* : Low saline water (Near freshwater).

*Distribution* : South 24 Pgs. (Falta, Lakhikantapur, Diamond Harbour, Frasergunj), Kolkata (Kidderpore, Bagbazar canal).

2. ***Neritina (Vittina) smithi*** Wood

*Habitat* : Low saline water (Near freshwater).

*Distribution* : North 24 Pgs. (Palta, Barrackpore), South 24 Pgs. (Falta), Kolkata.

3. ***Clithon reticularis*** (Sowerby)

*Habitat* : Low saline water (Near freshwater).

*Distribution* : North 24 Pgs. (Barrackpore), South 24 Pgs. (Diamond Harbour).

4. ***Septaria lineata*** (Lamarck)

*Habitat* : Low saline water.

*Distribution* : South 24 Pgs. (Sunderban, Diamond Harbour, Frazergunj, Diamond Harbour), Hugli (Serampore).

Order MESOGASTROPODA

Family VIVIPARIDAE

5. ***Bellamyia dissimilis*** (Mueller)

*Habitat* : Freshwater.

*Distribution* : South 24 Pgs. (Kakdwip, Canning, Sunderban), Kolkata (Patipukur, Dum Dum), Haora (Sibpur), Hugli (Uttarpara, Konnagar), Koch Bihar (Dinhata), Maldah (Santi colony), Medinipur (Kharagpur), Murshidabad (Narainpur), Nadia (Kalyani), Puruliya, W. Dinajpur (Banshihari, Patiram).

6. ***Bellamyia bengalensis f. annandalei***  
(Kobelt)

*Habitat* : Freshwater.

*Distribution* : North 24 Pgs. (Barrackpore, Habra), Kolkata (Tollygunge, Garia, Behala, Rabindra sarobar), Haora (Sibpur), Hugli (Konnagar), Nadia (Nabadwip).

7. ***Bellamyia bengalensis f. balteata***  
(Benson)

*Habitat* : Freshwater.

*Distribution* : Darjiling (Siliguri).

8. ***Bellamyia bengalensis f. eburnea***  
(Annandale)

*Habitat* : Freshwater.

*Distribution* : South 24 Pgs. (Budge Budge), Hugli (Uttarpara), Puruliya.

9. ***Bellamyia bengalensis f. gigantea***  
(Reeve)

*Habitat* : Freshwater.

*Distribution* : South 24 Pgs. (Canning), Bardhaman (Ranigung), Nadia (Kalyani).

10. ***Bellamyia bengalensis f. mandiensis*** (Kobelt)

*Habitat* : Freshwater.

*Distribution* : North 24 Pgs. (Barrackpore), Hugli (Uttarpara), Medinipur, Nadia (Ranaghat).

11. ***Bellamyia bengalensis f. typica***  
(Lamarck)

*Habitat* : Freshwater.

*Distribution* : North 24 Pgs. (DumDum), South 24 Pgs. (Lakhikantapur, Kakdwip), Bankura, Kolkata (Narkeldanga, Tollygunge, Jadavpur), Darjiling (Mahananda), Haora (Sibpur), Hugli (Konnagar), Jalpaiguri (Chilapata), Koch Bihar (Mathabhanga, Dinhata), Medinipur (Digha), Nadia (Kalyani), Puruliya, W. Dinajpur (Raiganj, Islampur, Harischandrapur).

12. ***Bellamyia bengalensis* race *doliaris***  
(Gould)

*Habitat* : Freshwater.

*Distribution* : North 24 Pgs. (Barrackpore), South 24 Pgs. (Lakhikantapur, Kakdwip), Birbhum (Rampurhat), Kolkata (Barisa), Haora (Shibpur), Hugli (Sherampore), Jalpaiguri (Chilapata), Koch Bihar (Mathabhanga), Murshidabad, Puruliya, W. Dinajpur (Banshihari, Harirampur, Patiram).

13. ***Bellamyia crassa*** (Benson)  
*Habitat* : River.  
*Distribution* : Jalpaiguri (Teesta river), Koch Bihar (Dinhata), Maldah (Harishchandrapur), Nadia (Ranighat), W. Dinajpur (Patiram).  
 Family AMPULLARIIDAE
14. ***Pila globosa*** (Swainson)  
*Habitat* : Freshwater.  
*Distribution* : South 24 Pgs. (Lakhikantapur, Garia, Thakurpur, Kakdwip), Bankura, Bardhaman, Birbhum (Nalhati, Alambazar, Garia), Kolkata (Patipukur Gobra, Barisa, Rabindra sarobar), Hugli (Bandel, Konnagar), Medinipur, Murshidabad (Narainpur), Nadia (Nabadwip).
15. ***Pila globosa*** var. ***incrassatula*** (Nevill)  
*Habitat* : Freshwater.  
*Distribution* : Kolkata (Dum Dum), Hugli (Konnagar).
16. ***Pila globosa*** var. ***minor*** (Nevill)  
*Habitat* : Freshwater.  
*Distribution* : South 24 Pgs. (Falta, Sonarpur), Kolkata (Dum Dum).  
 Family CYCLOPHORIDAE
17. ***Alycaeus (Dicharax) plectochilus*** Benson  
*Habitat* : Damp shady places.  
*Distribution* : Darjiling.
18. ***Alycaeus (Cyclorix) bembex*** Godwin-Austen  
*Habitat* : Damp shady places.  
*Distribution* : Darjiling (Darjiling).
19. ***Alycaeus (Cyclorix) constrictus*** Benson  
*Habitat* : Damp shady places.  
*Distribution* : Darjiling (Darjiling).
20. ***Alycaeus (Cyclorix) graphicus*** Blanford  
*Habitat* : Damp shady places.  
*Distribution* : Darjiling.
21. ***Alycaeus (Cyclorix) otiphorus*** Benson  
*Habitat* : Damp shady places.  
*Distribution* : Darjiling.
22. ***Alycaeus (Dicharax) crenulatus*** Benson  
*Habitat* : Damp shady places.  
*Distribution* : Darjiling.
23. ***Alycaeus (Dicharax) digitatus*** H. Blanford  
*Habitat* : Damp shady places.  
*Distribution* : Darjiling.
24. ***Alycaeus (Dicharax) gemmula*** Benson  
*Habitat* : Damp shady places.  
*Distribution* : Darjiling.
25. ***Alycaeus (Dicharax) lectus*** Godwin-Austen  
*Habitat* : Damp shady places.  
*Distribution* : Darjiling (Chaukkalan).
26. ***Alycaeus (Dicharax) lenticulus*** Godwin-Austen  
*Habitat* : Damp shady places.  
*Distribution* : Darjiling.
27. ***Alycaeus (Dicharax) stylifer*** Benson  
*Habitat* : Damp shady places.  
*Distribution* : Darjiling (Darjiling).
28. ***Alycaeus (Dicharax) subhumilis*** Mollendorff  
*Habitat* : Damp shady places.  
*Distribution* : Darjiling (Darjiling).
29. ***Chamalycaeus physis*** (Benson)  
*Habitat* : Damp shady places.  
*Distribution* : Darjiling (Darjiling).
30. ***Cyclophorus (Glossostylus) aurora*** (Benson)  
*Habitat* : Land.  
*Distribution* : Darjiling (Ghum).

31. ***Cyclophorus (Glossostylus) exul*** Benson  
*Habitat* : Land.  
*Distribution* : Darjiling.
32. ***Cyclophorus (Glossostylus) himalayanus*** Pfeiffer  
*Habitat* : Land.  
*Distribution* : Darjiling (Ghumti), Jalpaiguri (Sipchu forest, Chilapata).
33. ***Cyclophorus (Glossostylus) tryblium*** Benson  
*Habitat* : Land.  
*Distribution* : Darjiling.
34. ***Cyclophorus (Litostylus) pyrotrema*** Benson  
*Habitat* : Land.  
*Distribution* : Maldah.
35. ***Cyclophorus (Litostylus) polynema*** Pfeiffer  
*Habitat* : Land.  
*Distribution* : Medinipur.
36. ***Dioryx urnula*** Benson  
*Habitat* : Land.  
*Distribution* : Darjiling (Darjiling).
37. ***Lagochilus tomotrema*** (Benson)  
*Habitat* : Land.  
*Distribution* : Darjiling.
38. ***Pterocyclus rupestris*** Benson  
*Habitat* : Land.  
*Distribution* : Jalpaiguri (Rajabhatkhawa), Maldah (Gour).
39. ***Theobaldius phaenotopicus*** (Benson)  
*Habitat* : Land.  
*Distribution* : Darjiling.  
 Family DIPLOMMATINIDAE
40. ***Diplommatina unguolata*** Blanford  
*Habitat* : Land.  
*Distribution* : Darjiling.
41. ***Diplommatina blanfordiana*** Benson  
*Habitat* : Land.  
*Distribution* : Darjiling (Darjiling).
42. ***Diplommatina oviformis*** Fulton  
*Habitat* : Land.  
*Distribution* : Darjiling.
43. ***Diplommatina pachycheilus*** Benson  
*Habitat* : Land.  
*Distribution* : Darjiling (Darjiling).
44. ***Diplommatina polypleuris*** Benson  
*Habitat* : Land.  
*Distribution* : Darjiling (Darjiling).
45. ***Diplommatina (D.) pullula*** Benson  
*Habitat* : Land.  
*Distribution* : Darjiling (Darjiling).
46. ***Diplommatina regularis*** Fulton  
*Habitat* : Land.  
*Distribution* : Darjiling.
47. ***Diplommatina (D.) semisculpta*** Blanford  
*Habitat* : Land.  
*Distribution* : Darjiling.
48. ***Diplommatina theobaldi*** Godwin-Austen  
*Habitat* : Land.  
*Distribution* : Darjiling.  
 Family PUPINIDAE
49. ***Pseudopomatia shimalayae*** (Benson)  
*Habitat* : Land.  
*Distribution* : Darjiling (Darjiling).
50. ***Rhaphaulus blanfordi*** (Benson)  
*Habitat* : Land.  
*Distribution* : Darjiling (Darjiling).
51. ***Schistoloma funiculatum*** (Sowerby)  
*Habitat* : Land.  
*Distribution* : Darjiling (Ghum).  
 Family BITHYNIIDAE
52. ***Bithynia (Digoniostoma) cerameopoma*** (Benson)  
*Habitat* : Freshwater.  
*Distribution* : North 24 Pgs. (Barrackpore), South 24 Pgs. (Garia), Kolkata (Maniktala,



Patipukur, Dum Dum), Haora (Sibpur), Hugli (Uttarpara), Koch Bihar (Bairagi dighi), Maldah (Mahananda river), Murshidabad (Behrampur, Dakhineswar), W. Dinajpur (Raiganj).

53. ***Digoniostoma pulchella*** (Benson)

*Habitat* : Freshwater (Pond/River).

*Distribution* : South 24 Pgs. (Canning), Bankura, Bardhaman, Kolkata (Rabindra sarobar, Kidderpore, Park street), Haora (Sibpur), Hugli (Bandel), Maldah (Gour), Nadia (Kalyani).

54. ***Gabbia orcula*** Frauenfeld

*Habitat* : Freshwater (Pond/River).

*Distribution* : Koch Bihar (Bairagi dighi).

55. ***Gabbia orcula*** var. ***producta*** (Nevill)

*Habitat* : Freshwater (Pond/River).

*Distribution* : North 24 Pgs. (Habra), South 24 Pgs. (Lakhikantapur), Birbhum (Rampurhat), Kolkata (Rabindra sarobar, Tollygunge), Haora (Sibpur), Hugli (Konnagar), Medinipur (Digha), Murshidabad (Narainpur), Nadia (Ranaghat), Puruliya.

Family ASSIMINEIDAE

56. ***Assimineia francesi*** (Wood)

*Habitat* : Lowsaline water.

*Distribution* : South 24 Pgs. (Sagar island), Hugli (Konnagar, Dakineshwar).

Family PLEUROCERIDAE

57. ***Brotia (Antimelania) costula***  
(Rafinesque)

*Habitat* : Freshwater.

*Distribution* : South 24 Pgs. (Diamond Harbour, Bagherkhal), Kolkata (Eden Gardens, Tollygunj), Darjiling (Siliguri), Hugli (Uttarpara), Jalpaiguri (Chapatoli), Koch Bihar (Dinhata, Toofanganje), Maldah (Maldah river), W. Dinajpur (Banshihari, Gangarampur, Patiram, Raiganj).

58. ***Paludomus (Paludomus) blanfordiana*** Nevill

*Habitat* : Freshwater, rivers.

*Distribution* : Darjiling (Siliguri), Jalpaiguri (Rajabhatkhawa).

59. ***Paludomus (Paludomus) regulata***  
Benson

*Habitat* : Rivers/Streams.

*Distribution* : W. Dinajpur (Bangshihari, Raiganj).

Family THIARIDAE

60. ***Melanoides tuberculata*** (Mueller)

*Habitat* : Freshwater.

*Distribution* : North 24 Pgs. (Barrackpore), South 24 Pgs. (Kakdwip), Bankura, Bardhaman, Birbhum (Nalhati), Kolkata (Rabindra sarobar, Barisa, Tollygunge, Bagbazar), Darjiling (Siliguri), Hugli (Konnagar, Uttarpara), Jalpaiguri (Hasimara, Alipurduar), Koch Bihar (Kaliaganje, Dinhata, Mathabhanga, Toofanganje), Maldah (Mahananda River), Puruliya, W. Dinajpur (Kharmuja, Kaliaganj).

61. ***Tarebia granifera*** (Lamarck)

*Habitat* : Freshwater.

*Distribution* : North 24 Pgs. (Barrackpore, Daksineswar), Birbhum (Nalhati), Kolkata (ISI compound, Rabindra sarobar), Hugli (Uttarpara), Nadia (Ranaghat), Puruliya.

62. ***Thiara (Thiara) scabra*** (Mueller)

*Habitat* : Freshwater.

*Distribution* : North 24 Pgs. (Barrackpore), Bardhaman, Kolkata (Behala), Hugli (Konnagar, Bandel), Jalpaiguri (Alipurduar), Koch Bihar (Mathabhanga, Taraganje), Maldah (Mahananda), Medinipur (Bramhan sasan), W. Dinajpur (Raiganj).

63. ***Tarebia lineata*** (Gray)

*Habitat* : Freshwater.

*Distribution* : Bardhaman (Raniganj), Kolkata (Jodhpur park, Tollygunj, Eden Gardens), Darjiling (Siliguri), Haora (Shibpur), Hugli (Uttarpara), Jalpaiguri (Alipurduar,

Rajabhatkhawa), Koch Bihar (Dinhata, Toofangunje), Maldah (Mahananda river), Nadia, South 24 Pgs. (Sonarpur, lakhikantapur, Kakdwip), W. Dinajpur (Harirampur, Patiram, Raiganj).

Order BASOMMATOPHORA

Family LYMNAEIDAE

64. *Lymnaea (Pseudosuccinea) acuminata f. rufescens* Gray

*Habitat* : Pond, river.

*Distribution* : South 24 Pgs. (Falta), Bankura, Bardhaman, Kolkata (Rabindra sarobar), Haora (Sibpur), Hugli (Konnagar), Jalpaiguri (Hasimara, Rajabhatkhawa, Raidak), Maldah, Darjiling (Mahananda river), Murshidabad (Narainpur), Nadia (Kalyani), Puruliya.

65. *Lymnaea (Pseudosuccinea) acuminata f. gracilior* Martens

*Habitat* : Freshwater, pond, river.

*Distribution* : North 24 Pgs. (Ichapur, Barasat, Barrackpore), Kolkata (Ballygunj, Thakurpukur, Dum Dum), Hugli (Uttarpara).

66. *Lymnaea (Pseudosuccinea) acuminata f. typica* Lamarck

*Habitat* : Pond, river.

*Distribution* : Bankura, Bardhaman (Ranigunj), Birbhum (Nalhati), Kolkata (Dum Dum, Khidderpore, Tollygunj), Haora (Shibpur), Jalpaiguri (Alipurduar, Rajabhatkhawa, Sankosh river), Koch Bihar (Singhimari river, Mathabhanga, Ghughumari), Medinipur (Konnagar), Nadia (Ranaghat), Puruliya, W. Dinajpur (Raigunge, Gangarampur).

67. *Lymnaea (Pseudosuccinea) luteola f. australis* Annandale and Rao

*Habitat* : Pond, river.

*Distribution* : South 24 Pgs. (Kakdwip), Bardhaman, Kolkata (Ballygunj), Hugli (Konnagar), Medinipur, Nadia (Kalyani), Puruliya, W. Dinajpur (Islampur).

68. *Lymnaea (Pseudosuccinea) luteola f. ovalis* Gray

*Habitat* : Pond, river.

*Distribution* : North 24 Pgs. (Habra), South 24 Pgs. (Canning), Birbhum (Nalhati), Kolkata (Narkeldanga, Kidderpore, Behala, Park Circus), Hugli (Konnagar), Nadia (Nabadwip), Puruliya, W. Dinajpur (Raiganj).

69. *Lymnaea (Pseudosuccinea) luteola f. typica* (Lamarck)

*Habitat* : Pond, river.

*Distribution* : South 24 Pgs. (Diamond harbour, Canning), Birbhum, Kolkata (Narkeldanga, Barisha, Tollygunj, Kidderpore, Dum Dum), Hugli (Uttarpara), Nadia (Ranaghat).

Family ANCYLIDAE

70. *Ferrissia baconi* (Bourguignat)

*Habitat* : Stream/river.

*Distribution* : Jalpaiguri (Rajabhatkhawa, Kaljani river).

Family PLANORBIDAE

71. *Gyraulus barrackporensis* (Clessin)

*Habitat* : Pond.

*Distribution* : North 24 Pgs. (Barrackpore), Kolkata (Park Street), Hugli (Serampore).

72. *Gyraulus convexiusculus* (Hutton)

*Habitat* : Pond.

*Distribution* : North 24 Pgs. (Ichapur), Bardhaman, Kolkata (Narkeldanga, Jodhpur park), Hugli (Chandannagar), Jalpaiguri (Kaljani river, Sankosh river), Koch Bihar (Raidak river), Nadia (Kalyani), Puruliya.

73. *Gyraulus labiatus* (Benson)

*Habitat* : Pond, river.

*Distribution* : Birbhum (Nalhati), Kolkata (Khidderpore), Haora (Shibpur), Jalpaiguri (Kaljani river), Maldah, W. Dinajpur (Harirampur).

74. *Indoplanorbis exustus* (Deshayes)

*Habitat* : Pond, river.

*Distribution* : South 24 Pgs. (Canning, Lakhikantapur, Baruipur), Bankura,

Bardhaman, Birbhum (Saithia), Kolkata (Narkeldanga, Tollygunj, Kidderpore, Maniktala, Barisha), Hugli (Uttarpara), Maldah (Mahananda river), Medinipur, Murshidabad (Behrampore), Nadia (Kalyani), W. Dinajpur (Islampur, Kaliaganje).

Order SYSTELLOMMATOPHORA

Family VERONICELLIDAE

75. *Laevicaulis alte* (Ferussac)

Habitat : Soil.

Distribution : Bardhaman, Kolkata (Alipur), Nadia (Kalyani), South 24 Pgs. (Basirhat, Canning).

Order STYLOMMATOPHORA

Family VERTIGINIDAE

76. *Pupisoma seriola* (Benson)

Habitat : Tree bark.

Distribution : Darjiling.

77. *Pupisoma orcula* (Benson)

Habitat : Bark of the tree.

Distribution : North 24 Pgs. (Barrackpore), South 24 Pgs., Kolkata, Darjiling.

Family BULIMINIDAE

78. *Subzebrinus boysiana* (Reeve)

Habitat : Land.

Distribution : Darjiling (Darjiling).

Family CERASTUIDAE

79. *Rhachis bengalensis* (Lamarck)

Habitat : Shrubs.

Distribution : North 24 Pgs. (Barrackpore), South 24 Pgs. (Budge Budge), Bardhaman (Ranigunj), Kolkata (Ballygunj), Hugli (Serampore, Chandannagar), Maldah (Harischandrapur).

80. *Rhachis praetermissus* (Blanford)

Distribution : Darjiling.

Family PUPILLIDAE

81. *Pupilla barrackporensis* Gude

Habitat : Tree bark.

Distribution : North 24 Pgs. (Barrackpore).

82. *Pupilla brevicostis* Guide

Habitat : Tree bark.

Distribution : North 24 Pgs. (Barrackpore).

Family CLAUSILIIDAE

83. *Euphaedusa ios* (Benson)

Habitat : Land.

Distribution : Darjiling.

84. *Oospira loxostoma* (Benson)

Habitat : Land.

Distribution : Darjiling.

Family SUCCINEIDAE

85. *Indosuccinea semiserica* (Gould)

Habitat : Tree bark and leaves.

Distribution : Kolkata, Hugli (Serampore).

86. *Indosuccinea semiserica f. sthulasiras* Rao

Habitat : Tree bark and leaves.

Distribution : Kolkata (Ballygunj).

87. *Quickia (Burchella) calcuttensis* Patterson

Habitat : Tree bark and leaves.

Distribution : Kolkata (Khidderpore).

88. *Quickia bensoni* (Pfeiffer)

Habitat : Tree bark and leaves.

Distribution : Kolkata (Fort Willaim, Eden Gardens), Haora (Shibpur).

89. *Succinea crassinuclea* Pfeiffer

Habitat : Tree bark and leaves.

Distribution : North 24 Pgs. (Barrackpore), South 24 Pgs. (Canning), Kolkata.

90. *Succinea daucina* Pfeiffer

Habitat : Amphibious, moist places.

Distribution : South 24 Pgs. (Canning), Kolkata, Hugli (Uttarpara).

91. *Succinea daucina f. hraswasikhara* Rao

Habitat : Tree bark and leaves.

Distribution : South 24 Pgs. (Canning), Kolkata.

92. ***Succinea godivariana f. vangiya*** Rao  
*Habitat* : Tree bark and leaves.  
*Distribution* : South 24 Pgs. (Canning).
93. ***Succinea snigdha*** Rao  
*Habitat* : Tree bark and leaves.  
*Distribution* : South 24 Pgs. (Canning),  
 Kolkata.
- Family PLECTOPYLIDIDAE
94. ***Plectopylis (Endothyrella) blanda***  
 Gude  
*Habitat* : Land, Shady, damp places.  
*Distribution* : Jalpaiguri (Jayanti).
95. ***Plectopylis (Endothyrella) minor***  
 Godwin-Austen  
*Habitat* : Land, Shady, damp places.  
*Distribution* : Darjiling (Darjiling).
96. ***Plectopylis (Endothyrella) pinacis***  
 (Benson)  
*Habitat* : Land, Shady, damp places.  
*Distribution* : Darjiling (Darjiling).
- Family SUBULINIDAE
97. ***Bacillum erosum*** (Blandford)  
*Habitat* : Land, Shady, damp places.  
*Distribution* : Darjiling (Kurseong).
98. ***Curvella khasiana*** (Godwin-Austen)  
*Habitat* : Land, Shady, damp places.  
*Distribution* : Darjiling (Darjiling).
99. ***Curvella sikkimensis*** (Reeve)  
*Habitat* : Land, Shady, damp places.  
*Distribution* : Darjiling (Darjiling).
100. ***Curvella blanfordi*** Gude  
*Habitat* : Land, Shady, damp places.  
*Distribution* : Darjiling (Darjiling).
101. ***Glessula crassula*** (Reeve)  
*Habitat* : Land, Shady, damp places.  
*Distribution* : Darjiling (Kurseong, Darjiling).
102. ***Glessula gemma*** (Reeve)  
*Habitat* : Land, Shady, damp places.  
*Distribution* : Maldah (Gour), Bankura  
 (Gangajalhati), Kolkata (Baranagar), Hugli  
 (Uttarpara).
103. ***Glessula notigena*** (Benson)  
*Habitat* : Land, Shady, damp places.  
*Distribution* : Kolkata, Darjiling.
104. ***Glessula gemma*** var. ***frumentum***  
 (Reeve)  
*Habitat* : Land, Shady, damp places.  
*Distribution* : Haora (Ulberia).
105. ***Glessula hastula*** (Benson)  
*Habitat* : Land.  
*Distribution* : Darjiling.
106. ***Glessula orobia*** (Benson)  
*Habitat* : Land.  
*Distribution* : Darjiling.
107. ***Glessula sarissa*** (Reeve)  
*Habitat* : Land, Shady, damp places.  
*Distribution* : Kolkata, Haora (Ulberia).
108. ***Glessula tenuispira*** (Benson)  
*Habitat* : Land.  
*Distribution* : Darjiling.
109. ***Glessula amentum*** (Reeve)  
*Habitat* : Land.  
*Distribution* : Haora.
110. ***Lamellaxis (Allopeas) gracilis***  
 (Hutton)  
*Habitat* : Land.  
*Distribution* : Bardhaman, Kolkata  
 (Golpark), Haora (Shibpur), Hugli  
 (Sherampore), Maldah (Harischandrapur),  
 Medinipur (Digha), Nadia (Nabadwip), W.  
 Dinajpur (Dhonaipur, Raiganj, Hilli,  
 Harirampur).
111. ***Lamellaxis (Allopeas) latebricola***  
 (Reeve)  
*Habitat* : Land.  
*Distribution* : Darjiling (Darjiling).

Family ACHATINIDAE

112. *Achatina (Lissachatina) fulica fulica* (Bowdich)

*Habitat* : Land.

*Distribution* : North 24 Pgs. (Barrackpore, Barasat), South 24 Pgs. (Baruipur, Budge Budge, Canning), Kolkata (Ballygunj, Ranikuti, Garia), Haora (Sibpur), Hugli (Uttarpara, Konnagar), Koch Bihar, Jalpaiguri (Jayanti), Maldah (Harischandrapur), Medinipur, W. Dinajpur (Kaliagunje, Islampur, Raiganj, Harirampur).

Family PHILOMYCIDAE

113. *Incillaria campestris* Godwin-Austen

*Habitat* : Under wood log.

*Distribution* : Jalpaiguri (Rajabhatkhawa).

Family STREPTAXIDAE

114. *Gulella (Huttonella) bicolor* (Hutton)

*Habitat* : Gardens.

*Distribution* : Kolkata (Indian Museum, Baranagar, Khidderpore, Barisa).

Family HELIXARIONIDAE

115. *Kaliella barrakporensis* (Pfeiffer)

*Habitat* : Tree Bark.

*Distribution* : Kolkata, Jalpaiguri (Rajabhatkhawa).

116. *Kaliella nevillei* Godwin-Austein

*Habitat* : Tree Bark.

*Distribution* : Darjiling (Darjiling).

117. *Kaliella nana* (Hutton)

*Habitat* : Tree Bark.

*Distribution* : Darjiling.

118. *Sivella castra* (Benson)

*Habitat* : Gardens.

*Distribution* : North 24 Pgs. (Barrackpore), Kolkata, Darjiling (Darjiling).

Family ARIOPHANTIDAE

119. *Ariophanta interrupta* (Benson)

*Habitat* : Gardens.

*Distribution* : North 24 Pgs. (Barrackpore, Barasat), South 24 Pgs. (Baruipur), Kolkata

(Tollygunj), Maldah (Harischandrapur), Puruliya, W. Dinajpur (Kaliagunje).

120. *Ariophanta laidlayana* (Benson)

*Habitat* : Tree Bark.

*Distribution* : Bardhaman (Ranigunj), Puruliya.

121. *Austenia annandalei* Godwin-Austen

*Habitat* : Gardens.

*Distribution* : Darjiling (Siliguri, Kurseong).

122. *Austenia sikkimensis* (Godwin-Austen)

*Habitat* : Gardens.

*Distribution* : Darjiling.

123. *Bensonies camura* (Benson)

*Habitat* : Garden.

*Distribution* : Darjiling (Takdah, Palmajua, Kurseong, Darjiling).

124. *Bensonies mainwaringi* (Godwin-Austen)

*Habitat* : Garden.

*Distribution* : Darjiling (Darjiling).

125. *Cryptozona ligulata* (Ferussac)

*Habitat* : Garden.

*Distribution* : Maldah (Harischandrapur).

126. *Macrochlamys hardwickii* Godwin-Austen

*Habitat* : Garden.

*Distribution* : Kolkata, Darjiling.

127. *Macrochlamys hodgsoni* (Benson)

*Habitat* : Garden.

*Distribution* : Darjiling (Darjiling).

128. *Macrochlamys indica* Godwin-Austein

*Habitat* : Garden.

*Distribution* : North 24 Pgs. (Barrackpore, Habra), South 24 Pgs. (Sripur, Baruipur), Bardhaman, Birbhum, Kolkata (Bondel gate, Indian Museum, Kidderpore, Dakshineswar), Darjiling (Kurseong), Hugli (Uttarpara), Jalpaiguri (Jayanti, Rajabhatkhawa), Maldah (Harischandrapur), W. Dinajpur (Balurghat).

129. ***Macrochlamys lubrica*** (Benson)  
*Habitat* : Garden.  
*Distribution* : Darjiling (Darjiling).
130. ***Macrochlamys opipara*** Godwin-Austein  
*Habitat* : Garden.  
*Distribution* : Darjiling (Darjiling).
131. ***Macrochlamys patane*** (Benson)  
*Habitat* : Garden.  
*Distribution* : Darjiling.
132. ***Macrochlamys petasus*** (Benson)  
*Habitat* : Garden.  
*Distribution* : Darjiling.
133. ***Macrochlamys petrosa*** (Hutton)  
*Habitat* : Garden.  
*Distribution* : North 24 Pgs. (Barrackpore), Bardhaman (Ranigunj), Kolkata, Darjiling (Darjiling), Maldah (Gour).
134. ***Macrochlamys rorida*** (Benson)  
*Habitat* : Garden.  
*Distribution* : Darjiling (Darjiling).
135. ***Macrochlamys anonae*** Godwin-Austen  
*Habitat* : Garden.  
*Distribution* : Kolkata.
136. ***Macrochlamys darjilingensis*** (Godwin-Austen)  
*Habitat* : Garden.  
*Distribution* : Darjiling.
137. ***Macrochlamys sequax*** (Benson)  
*Habitat* : Garden.  
*Distribution* : Darjiling (Kurseong, Darjiling), Jalpaiguri (Jayanti), Maldah (Harischandrapur), W. Dinajpur (Hilli).
138. ***Macrochlamys sequins*** Godwin-Austein  
*Habitat* : Garden.  
*Distribution* : Darjiling.
139. ***Macrochlamys superflua*** Blanford  
*Habitat* : Garden.  
*Distribution* : Jalpaiguri (Jayanti).
140. ***Macrochlamys tugurium*** (Benson)  
*Habitat* : Garden.  
*Distribution* : Darjiling (Kurseong).
141. ***Oxytesta blanfordi*** (Theobald)  
*Habitat* : Garden.  
*Distribution* : Darjiling.
142. ***Oxytesta cycloplax*** (Benson)  
*Habitat* : Garden.  
*Distribution* : Darjiling (Kurseong).
143. ***Oxytesta orobia*** (Benson)  
*Habitat* : Garden.  
*Distribution* : Darjiling (Ghum, Darjiling).
144. ***Sitala rimicola*** (Benson)  
*Habitat* : Leaves of Shrubs.  
*Distribution* : Kolkata.
145. ***Sitala infula*** (Benson)  
*Habitat* : Leaves of Shrubs.  
*Distribution* : Maldah (Harischandrapur), W. Dinajpur (Hilli).
- Family ARIOPHANTIDAE
146. ***Cryptaustenia bensoni*** (Pfeiffer)  
*Habitat* : Soil, Plant.  
*Distribution* : Kolkata (Baranagar), Haora (Sibpur), Hugli (Chandannagar).
147. ***Cryptaustenia ovata*** (H. Blanford)  
*Habitat* : Plant leaves.  
*Distribution* : Darjiling.
148. ***Cryptaustenia panchetensis*** (Godwin-Austen)  
*Habitat* : Plant leaves.  
*Distribution* : Darjiling.
149. ***Cryptaustenia heteroconcha*** (H. Blanford)  
*Habitat* : Plant leaves.  
*Distribution* : Darjiling.

150. *Durgella salius* (Benson)  
*Habitat* : Plant leaves.  
*Distribution* : Darjiling
151. *Durgella seposita* (Benson)  
*Habitat* : Plant leaves.  
*Distribution* : Darjiling.  
 Family CAMAENIDAE
152. *Chloritis delibrata* (Benson)  
*Habitat* : Soil.  
*Distribution* : Darjiling, Jalpaiguri (Jayanti).
153. *Ganesella acris* (Benson)  
*Habitat* : Soil.  
*Distribution* : Jalpiaguri (Rajabhatkhawa).  
 Family BRADYBAENIDAE
154. *Bradybaena similaris* (Ferussac)  
*Habitat* : Soil.  
*Distribution* : Darjiling.
155. *Aegista (Plectotropis) tapeina* (Benson)  
*Habitat* : Soil.  
*Distribution* : Jalpaiguri (Jayanti)  
 Class BIVALVIA  
 Order ARCOIDA  
 Family ARCIDAE
156. *Scaphula celox* Benson  
*Habitat* : Fresh water with slight salinity.  
*Distribution* : North 24 Pgs. (Barrackpore).
157. *Scaphula deltae* Blanford  
*Habitat* : Fresh water with slight salinity.  
*Distribution* : North 24 Pgs. (Barrackpore, Habra, Palta), Kolkata (Dhakuria Lake), Haora (Shibpur), Nadia (Kalyani).  
 Order UNIONOIDA  
 Family UNIONIDAE
158. *Lamellidens marginalis* (Lamarck)  
*Habitat* : Freshwater pond, river.  
*Distribution* : Bankura, Bardhaman, Kolkata (Museum tank, Eden Gardens, Narkeldanga), Jalpaiguri (Rajabhatkhawa), Koch Bihar (Bairagi Dighi), Maldah, Medinipur (Digha), Nadia (Kalyani).
159. *Lamellidens corrianus* (Lea)  
*Habitat* : Freshwater pond, river.  
*Distribution* : Birbhum, Kolkata (Tollygunj, Gariahat, Rabindra sarobar, Barisa), Darjiling (Siliguri), Haora (Bagnan), Hugli (Serampore), Jalpaiguri (Rajabhatkhawa), Koch Bihar (Bairagi Dighi), Maldah (Gangrampur), Murshidabad (Narainpore bhil), Puruliya, Barddhaman (Raiganj).  
 Family AMBLEMIDAE
160. *Parreysia (Parreysia) favidens* (Benson)  
*Habitat* : Freshwater pond, river.  
*Distribution* : North 24 Pgs. (Barrackpore), South 24 Pgs. (Sunderban, Port Canning), Kolkata (ISI compound), Jalpaiguri (Rajabhatkhawa), Puruliya, W. Dinajpur (Kaliagunje).
161. *Parreysia (Parreysia) favidens* var. *plagiosoma* (Benson)  
*Habitat* : Freshwater pond, river.  
*Distribution* : Birbhum, Kolkata, Jalpaiguri (Rajabhatkhawa).
162. *Parreysia (Parreysia) favidens* var. *marcens* (Benson)  
*Habitat* : Freshwater pond, river.  
*Distribution* : Bardhaman (Ranigunj), Kolkata, W. Dinajpur (Patiram, Bansihari).
163. *Parreysia (Parreysia) sikkimensis* (Lea)  
*Habitat* : Freshwater pond, river.  
*Distribution* : Puruliya.
164. *Parreysia (Parreysia) triembolus* (Benson)  
*Habitat* : Freshwater pond, river.  
*Distribution* : Murshidabad.
165. *Parreysia (Radiatula) caerulea* var. *gaudichaudi* (Eydoux)  
*Habitat* : Pond, river.  
*Distribution* : Puruliya.

166. *Parreysia (Radiatula) lima* (Simpson)*Habitat* : Pond, river.*Distribution* : Darjiling.167. *Parreysia (Radiatula) lima* var. *siliguriensis* (Preston)*Habitat* : Pond, river.*Distribution* : Darjiling (Siliguri).168. *Parreysia (Radiatula) occata* (Lea)*Habitat* : Pond, river.*Distribution* : Kolkata.169. *Parreysia (Radiatula) pachysoma* (Benson)*Habitat* : Pond, river.*Distribution* : Kolkata (Indian museum tank).170. *Parreysia favidens deltae* (Benson)*Habitat* : Pond, river.*Distribution* : North 24 Pgs. (Barrackpore), Kolkata, Hugli (Uttarpara).171. *Parreysia favidens viridula* (Benson)*Habitat* : Pond, river.*Distribution* : North 24 Pgs. (Barrackpore), South 24 Pgs. (Sunderbans, Canning), Bardhaman (Raiganj), Kolkata (ISI compound).172. *Parreysia rajahensis* (Lea)*Habitat* : Pond, river.*Distribution* : Puruliya.

Order VENEROIDA

Family PISIDIIDAE

173. *Pisidium (Afropisidium) clarckeanum* G.&H. Nevill*Habitat* : Pond, river.*Distribution* : South 24 Pgs. (Canning), Kolkata (Rabindra sarobar, Indian Museum tank), Darjiling, Jalpaiguri (Kaljani river, Alipurduar).174. *Pisidium (Odhneripisidium) atkinsonianum* Theobald.*Habitat* : River.*Distribution* : Darjiling.175. *Sphaerium indicum* Deshayes*Habitat*: River.*Distribution* : Darjiling, Jalpaiguri (Alipurduar, Kaliani river).

Family CORBICULIDAE

176. *Corbicula bensoni* Deshayes*Habitat* : Low saline water.*Distribution* : Hugli, Nadia (Nabadwip).177. *Corbicula striatella* Deshayes*Habitat* : Low saline water.*Distribution* : North 24 Pgs. (Barrackpore), Bankura, Kolkata, Hugli (Uttarpara), Koch Bihar (Mathabhanga), Medinipur (Karagpur), Nadia (Churni river), W. Dinajpur (Bansjhari, Harirampur, Kaliagunje).178. *Polymesoda (geloina) bengalensis* (Lamarck)*Habitat* : Low saline water.*Distribution* : South 24 Pgs. (Sunderban, Junput, Bakkhali, Jharkhali), North 24 Pgs., Medinipur (Digha, Haldia).

Family CULTELLIDAE

179. *Tanysiphon rivalis* Benson*Distribution* : South 24 Pgs. (Sagar Island), Kolkata, Medinipur (Geonkhali).

Family PSAMMOBIIDAE

180. *Novaculina gangetica* Benson*Distribution* : North 24 Pgs. (Barrackpore), South 24 Pgs. (Purandar), Kolkata, Medinipur (Geonkhali).



## ESTUARINE & MARINE MOLLUSCS

- |  |   |
|--|---|
| <p>Phylum MOLLUSCA<br/>         Class BIVALVIA<br/>         Order MYIODA<br/>         Family CORBULIDAE</p> <p>1. <b><i>Barnea candida</i></b> (Linnaeus)<br/> <i>Distribution</i> : South 24 Pgs. (Bakkhali),<br/>         Medinipur (Digha, Junput).</p> <p>2. <b><i>Lignopholas fluminalis</i></b> (Blandford)<br/> <i>Distribution</i> : South 24 Pgs. (Port Canning),<br/>         Kolkata (Khidderpore dock).<br/>         Family TEREDINIDAE</p> <p>3. <b><i>Bactronophorus thoracites</i></b> (Gould)<br/> <i>Distribution</i> : South 24 Pgs. (Sajnakhali),<br/>         Medinipur (Haldia).<br/>         Family TEREDINIDAE</p> <p>4. <b><i>Bankia nordi</i></b> Moll<br/> <i>Distribution</i> : South 24 Pgs. (Buge Budge,<br/>         Sajnakhali, Haldibari, Sunderban,<br/>         Sudhanyakhali), Kolkata (Khidderpore dock).<br/>         Order NUCULOIDA<br/>         Family NUCULIDAE</p> <p>5. <b><i>Nucula (Nucula) mitralis</i></b> Hinds<br/> <i>Distribution</i> : South 24 Pgs. (Sandhead).<br/>         Order VENEROIDA<br/>         Family CARDIIDAE</p> <p>6. <b><i>Trachycardium asiaticum</i></b> Bruguiere<br/> <i>Distribution</i> : South 24 Pgs. (Sandhead).<br/>         Family CORBICULIDAE</p> <p>7. <b><i>Polymesoda (Geloina) bengalensis</i></b><br/>         (Lamarck)<br/> <i>Distribution</i> : North 24 Pgs., South 24 Pgs.<br/>         (Sunderban, Bakkhali, Jharkhali), Medinipur<br/>         (Digha, Haldia, Junput).<br/>         Family DONACIDAE</p> <p>8. <b><i>Donax incarnatus</i></b> Gmelin<br/> <i>Distribution</i> : South 24 Pgs. (Ganga Sagar<br/>         beach, Bakkhali), Medinipur (Digha).</p> | <p>Family MACTRIDAE</p> <p>9. <b><i>Mactra (Mactra) mera</i></b> Reeve<br/> <i>Distribution</i> : South 24 Pgs. (Ganga Sagar),<br/>         Medinipur (Digha, Junput).</p> <p>10. <b><i>Mactra (Mactrinula) plicataria</i></b><br/>         (Linnaeus)<br/> <i>Distribution</i> : South 24 Pgs. (Sandhead),<br/>         Medinipur (Digha).<br/>         Family TELLINIDAE</p> <p>11. <b><i>Macoma birmanica</i></b> (Philippi)<br/> <i>Distribution</i> : South 24 Pgs. (Chemaguri,<br/>         Prentice Island, Pargumti, Chhotamullakhali,<br/>         Gosaba, Jharkhali, Champta, Port Canning),<br/>         Medinipur (Digha), Puruliya.</p> <p>12. <b><i>Macoma truncata</i></b> Jonas<br/> <i>Distribution</i> : Medinipur (Digha).</p> <p>13. <b><i>Strigilla splendida</i></b> (Anton)<br/> <i>Distribution</i> : South 24 Pgs. (Bakkhali,<br/>         Mainapara, Kakdwip, Port Canning), Medinipur<br/>         (Digha).<br/>         Family VENERIDAE</p> <p>14. <b><i>Meretrix meretrix</i></b> (Linnaeus)<br/> <i>Distribution</i> : South 24 Pgs. (Diamond<br/>         Harbour, Port Canning, Ganga Sagar, Gosaba,<br/>         Talseri, Ajmalmari-Kaikalmari Junction),<br/>         Medinipur (Digha).<br/>         Class CEPHALOPODA<br/>         Order OCTOPODA<br/>         Family OCTOPODIDAE</p> <p>15. <b><i>Octopus macropus</i></b> Risso<br/> <i>Distribution</i> : Medinipur (Digha).</p> <p>16. <b><i>Octopus rugosus</i></b> (Bosc)<br/> <i>Distribution</i> : South 24 Pgs. (Sandheads).<br/>         Order TETHOIDEA<br/>         Family LOLIGINIDAE</p> <p>17. <b><i>Loligo duvauceli</i></b> D'Orbigny<br/> <i>Distribution</i> : South 24 Pgs. (Sandheads).</p> |
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Class GASTROPODA

Order ARCHAEOGASTROPODA

Family ACMAEIDAE

18. *Potamacmaea fluviatilis* (Blanford)

*Distribution* : North 24 Pgs. (Basirhat), South 24 Pgs. (Port Canning, Sajnakhali, Sudhanyakhali, Gomati river, Pargumti, Chhotamullakhali, Jharkhali, Purander).

Family CYCLOSTREMATIDAE

19. *Tubiola microscopica* (Nevill)

*Distribution* : South 24 Pgs. (Matla river bed, Saimari)

Family NERITIDAE

20. *Clithon reticularis* (Sowerby)

*Distribution* : South 24 Pgs. (Falta), Kolkata.

21. *Nerita articulata* Gould

*Distribution* : South 24 Pgs. (Matla river, Sunderban, Port Canning, Sajnakhali, Namkhana, Arbesy block (Sunderban), Gosaba, Chhota Mollakhali).

22. *Neritina (Vittina) smithi* Wood

*Distribution* : South 24 Pgs. (Gona, Sunderban)

23. *Neritina (Dostia) violacea* (Gmelin)

*Distribution* : South 24 Pgs. (Sagar island, Diamond Harbour, Jhigakhali, Pargumti, Falta, Chingrighata), Kolkata, Hugli (River Hugli), Medinipur (Digha, Haldia).

24. *Pseudonerita obtuse* (Benson)

*Distribution* : Kolkata, Hugli (River Hugli).

25. *Pseudonerita sulculosa* (von Martens)

*Distribution* : South 24 Pgs. (Diamond Harbour, Geonkhali, Falta, Port Canning), Medinipur (Haldia).

26. *Septaria caerulea* (Sowerby)

*Distribution* : South 24 Pgs. (Falta), Kolkata (Zoological Garden).

27. *Septaria lineata* (Lamarck)

*Distribution* : 24 Pgs. (S) (Sunderban, Diamond Harbour, Frazergunj, Diamond Harbour), Haora (Serampore).

Family TROCHIDAE

28. *Solariella sataparaensis* Preston

*Distribution* : South 24 Pgs. (Sandheads).

29. *Umbonium vestiarum* (Linnaeus)

*Distribution* : Medinipur (Digha coast).

Order ENTOMOTAENIATA

Family PYRAMIDELLIDAE

30. *Odostomia babylonica* Winckworth

*Distribution* : Medinipur (Digha).

31. *Odostomia oxia* Watson

*Distribution* : Medinipur (Digha).

32. *Pyramidella dolobrata terebellum* (Mueller)

*Distribution* : Medinipur (Digha).

33. *Turbonilla felicitas* Laseron

*Distribution* : Medinipur (Digha).

Family RINGICULIDAE

34. *Ringicula encarpiferens* de Folin

*Distribution* : Medinipur (Digha).

35. *Ringicula propinquans* Hinds

*Distribution* : South 24 Pgs. (Bakkhali), Medinipur (Digha).

Order MESOGASTROPODA

Family ARCHITECTONICIDAE

36. *Architectonica perspectiva* (Linnaeus)

*Distribution* : South 24 Pgs. (Diamond Harbour, Sandhead, Ajmalmari-Kaikalmari junction, Sunderban, Parseymari), Medinipur (Digha).

37. *Heliacus (Heliacus) stramineus* (Gmelin)

*Distribution* : South 24 Pgs. (Sandhead).

Family ASSIMINEIDAE

38. *Assiminea beddomeana* Nevill

*Distribution* : South 24 Pgs. (Narayangunj, Nadabhangachara, Pargumti, Kakdwip, Port Canning).

39. *Assiminea brevicula* (Pfeiffer)

*Distribution* : South 24 Pgs. (Kachuberia, Kakdwip, Nadabhangachara, Namkhana, Sagar island, Ganga), Medinipur (Haldia).

40. *Assiminea francesiae* (Wood)

*Distribution* : North 24 Pgs. (Barrackpore), South 24 Pgs. (Bakkhali, Soladanar char, Taki, Diamond Harbour, Haldia, Goenkhal, Falta, Sagar island, Sunderban), Kolkata, Hugli (Tribeni).

41. *Assiminea microsculpta* Nevill

*Distribution* : South 24 Pgs. (Port Canning).

42. *Assiminea theobaldiana* Nevill

*Distribution* : South 24 Pgs. (Port Canning).

43. *Assiminea woodmasoniana* Nevill

*Distribution* : South 24 Pgs. (Port Canning).

Family BURSIDAE

44. *Bursa spinosa* (Lamark)

*Distribution* : South 24 Pgs. (Sandhead).

Family CASSIDAE

45. *Phalium bisulcatum* (Schubert & Wagner)

*Distribution* : South 24 Pgs. (Sandhead).

Family CYMATIIDAE

46. *Gyrineum natator* (Roeding)

*Distribution* : South 24 Pgs. (Sagar Island).

Family EPITONIIDAE

47. *Acrilla acuminata* (Sowerby)

*Distribution* : South 24 Pgs. (Gosaba, Chhota Hardi), Kolkata.

48. *Acrilla gracilis* (Sowerby)

*Distribution* : Medinipur (Digha).

Family EULIMIDAE

49. *Eulima cuspidata* A.Adams,

*Distribution* : Medinipur (Digha).

50. *Niso pyramidelloides* G.&H. Nevill

*Distribution* : Medinipur (Digha).

Family FICIDAE

51. *Ficus gracilis* (Sowerby)

*Distribution* : South 24 Pgs. (Sandhead).

52. *Ficus variegata* Roeding

*Distribution* : South 24 Pgs. (Sandhead).

Family IRAVADIIDAE

53. *Iravadia ornate* Blanford

*Distribution* : South 24 Pgs. (Port Canning).

Family LITTORINIDAE

54. *Littorina (Littoraria) melanostoma* Gray

*Distribution* : South 24 Pgs. (Port Canning, Sunderban, Gosaba, Diamond Harbour, Sunderban, Kachuberia, Ganga sagar).

55. *Littorina (Littoraria) undulata* Gray

*Distribution* : South 24 Pgs. (Sunderban, Port Canning, Sajnakhali, Gosaba block), Medinipur (Digha).

Family NACTICIDAE

56. *Nactica qualteriana* Recluz

*Distribution* : South 24 Pgs. (Port Canning, Sagar island), Medinipur (Digha).

57. *Nactica lineata* (Roeding)

*Distribution* : South 24 Pgs. (Sandhead), Medinipur (Digha).

58. *Nactica tigrina* (Roeding)

*Distribution* : South 24 Pgs. (Matla, Diamond Harbour, Ganga sagar, Bakkhali, Gosaba, Port Canning, Sandhead), Medinipur (Digha).

59. *Nactica vitellus* (Linnaeus)

*Distribution* : South 24 Pgs. (Sandhead).

60. *Polinices didyma* (Roeding)

*Distribution* : South 24 Pgs. (Sandhead), Medinipur (Digha).

61. *Polinices mammilla* (Swainson)

*Distribution* : South 24 Pgs. (Sandhead), Medinipur (Digha).

62. *Sinum neritoideum* (Linnaeus)

*Distribution* : South 24 Pgs. (Sandhead), Medinipur (Digha).

Family POTAMIDAE

63. *Cerithidea (Cerithideopsis) cingulata* (Gmelin)

*Distribution* : South 24 Pgs. (Port Canning, Annandale, Sunderbans, Sajnakhali, Ganga sagar, Susnichara, Daknisagar), Medinipur.

64. *Cerithidea obtusa* (Lamarck)

*Distribution* : South 24 Pgs. (Sunderban, Sandhead, Port Canning, Sajnakhali, Gosaba, Sagar Island, Kakdwip, Arbesy block), Medinipur (Digha).

65. *Telescopium (Telescopium) telescopium* (Linnaeus)

*Distribution* : South 24 Pgs. (Port Canning, Mouth of Sela river, Sajnakhali, Gomti river, Junput, Arbesy), Kolkata, Medinipur (Digha).

Family STENOXYRIDAE

66. *Gangetia miliacea* (Nevill)

*Distribution* : South 24 Pgs. (Port Canning).

67. *Stenothyra blanfordiana* Nevill

*Distribution* : South 24 Pgs. (Port Canning).

68. *Stenothyra deltae* (Benson)

*Distribution* : South 24 Pgs. (Narayangunj, Ganga sagar, Costala (Sagar Island), Manipara (Kakdwip), Diamond Harbour, Falta), Kolkata (Chandpal Ghat), Medinipur (Haldia).

69. *Stenothyra soluta* Annandale and Prashad

*Distribution* : South 24 Pgs. (Basanti).

70. *Stenothyra woodmasoniana* Nevill

*Distribution* : South 24 Pgs. (Port Canning).

Family THIARIDAE

71. *Larina burmana* (Blanford)

*Distribution* : South 24 Pgs. (Sagar Island), Medinipur (Haldia, Digha).

72. *Thiara (Mainwaringia) paludomidea* (Nevill)

*Distribution* : South 24 Pgs. (Port Canning, Namkhana).

Family TONNIDAE

73. *Tonna dolium* (Linnaeus)

*Distribution* : South 24 Pgs. (Sandhead, Junput), Medinipur (Digha).

74. *Tonna sulcosa* (Born)

*Distribution* : South 24 Pgs. (Sandhead).

Family TURRITELLIDAE

75. *Turritella attenuata* Reeve

*Distribution* : Medinipur (Digha).

Order NEOGASTROPODA

Family CANCELLARIIDAE

76. *Scalptia scalariformis* (Lamarck)

*Distribution* : Medinipur (Digha).

Family MARGINELLIDAE

77. *Persicula ventricosa* (Fischer)

*Distribution* : Medinipur (Digha).

Family MELONGENIDAE

78. *Pugilina cochlidium* (Linnaeus)

*Distribution* : South 24 Pgs. (Tura khal, Sunderban, Daltenganj, Sajnekhali, Sagar Island, Bidya river, Bagmara khal, Saimari khal), Medinipur (Digha).

Family MURICIDAE

79. *Cymia lacera* (Born)

*Distribution* : South 24 Pgs. (Sunderban, Matla river, Port Canning, Gosaba, Jharkhali, Bakkhali, Netidhopani, Saimari).

80. *Murex tribulus* Linnaeus

*Distribution* : South 24 Pgs. (Sandhead).

81. *Rapana rapiformes* (Born)

*Distribution* : Medinipur (Digha).

Family NASSARIIDAE

82. *Nassarius foveolatus* (Reeve)

*Distribution* : South 24 Pgs. (Sunishara, Sagar Island, Chemaguri, Gosaba, Jharkhali, Port Canning, Bhangankhali, Basanti), Medinipur (Digha).

83. *Nassarius orissaensis* (Preston)

*Distribution* : South 24 Pgs. (Matla river, Namkhana, Chotamullakhali, Gosaba, Sonakhali, Basanti, Kaikalmari).

84. *Nassarius stolatus* (Gmelin)

*Distribution* : South 24 Pgs. (Bakkhali, Port Canning, Parbatipur, Jharkhali, Halliday Island), Medinipur (Digha).

Family OLIVIDAE

85. *Amalda ampla* (Gmelin)

*Distribution* : South 24 Pgs. (Sandhead, Bakkhali), Medinipur (Digha).

86. *Olivancillaria gibbosa* (Born)

*Distribution* : South 24 Pgs. (Sandhead).

Family PYRENIDAE

87. *Columbella duclosiana* Sowerby

*Distribution* : South 24 Pgs. (Sagar Island, Diamond Harbour, Champta Sunderban, Lashkarpur).

Family TEREBRIDAE

88. *Terebra durgella* Ray

*Distribution* : Medinipur (Digha).

89. *Terebra tenera* A Adams

*Distribution* : Medinipur (Digha).

90. *Terebra tricincta* Smith

*Distribution* : Medinipur (Digha).

Family TURRIDAE

91. *Asthenotoma vertebrata* (Smith)

*Distribution* : South 24 Pgs. (Jharkhali).

92. *Brachytoma crenularis* (Lamarck)

*Distribution* : Medinipur (Digha).

93. *Turricula javana* (Linnaeus)

*Distribution* : South 24 Pgs. (Sandhead), Medinipur (Digha).

94. *Turridrupa bijubata* (Reeve)

*Distribution* : Medinipur (Digha).

**ECHIURA**

Phylum ECHIURA  
 Class ECHIURIDA  
 Order EUCHIROINEA  
 Family THALASSEMATIDAE  
 Subfamily THALASSEMATINAE

1. ***Anelassorhynchus branchiorhynchus***  
 (Annandale & Kemp, 1915)

*Distribution* : Medinipur (Terapekhya char, Digha, Keshabpur), South 24 Pgs. (Forest jetty Gosaba, Canning, East Khati Parghumti, Goalbari khal Bhakkhali).

2. ***Anelassorhynchus dendrorhynchus***  
 (Annandale & Kemp, 1915)

*Distribution* : South 24 Pgs. (Sajinatala, Basanti, Ajmalmari, Prentice Island, Dayapur Pakhirala) Medinipur (E) (Digha).

3. ***Anelassorhynchus microrhynchus***  
 (Prashad, 1919)

*Distribution* : South 24 Pgs. (Bakkhali, Sajinatala Basanti, Goalbari khal Bakkhali, Ajmalmari, Panchamukhani), Medinipur (Digha Mohana).

## ANNELIDA

Phylum ANNELIDA  
 Class OLIGOCHAETA  
 Family ACANTHODRILIDAE

1. *Plutellus sikkimensis* Michaelsen  
*Distribution* : Darjiling (Sandakphu).

2. *Plutellus ghumensis* Julka  
*Distribution* : Darjiling (Ghum Bhanjang).

3. *Pontodrilus bermudensis* Beddard  
*Distribution* : South 24 Pgs.

Family ALMIDAE

4. *Glyphidrilus tuberosus* Stephenson  
*Distribution* : Bankura (Shaltora, Aral Bansi, Jayrambati), Birbhum (Nalhati, Sainthia, Bolpur), Haora (Shyampur), Jalpaiguri, Medinipur (Belda, Contai, Medinipur town, Garbeta, Kolaghat), Nadia (Plassy), Puruliya (Puruliya town, Manbajar, Bagmundi, Ragonathpur) and W. Dinajpur (Bangar).

Family GLOSSOSCOLECIDA

5. *Pontoscolex corethrurus* (Muller)  
*Distribution* : Darjiling (Siliguri), Jalpaiguri (Jayanti, Kartick), Koch Bihar (Dinhata, Mathabhanga, Toofanganj), Medinipur (Medinipur town, Ghatal, Gopiballavpur) and W. Dinajpur (Raiganj).

Family LUMBRICIDAE

6. *Aporrectodea rosea* (Savigny)  
*Distribution* : Darjiling.

7. *Bimastos parvus* (Eisen)  
*Distribution* : Darjiling.

8. *Dendrobaena rubida* (Savigny)  
*Distribution* : Darjiling.

9. *Eisenia foetida* (Savigny)  
*Distribution* : Darjiling (Manibhanjang).

10. *Eisenia hortensis* (Michaelsen)  
*Distribution* : Darjiling.

11. *Eiseniella tetraedra* (Savigny)  
*Distribution* : Darjiling.

12. *Octolasion cyaneum* (Savigny)  
*Distribution* : Darjiling.

13. *Octolasion tyrtaeum* (Savigny)  
*Distribution* : Darjiling.

Family MEGASCOLECIDA

14. *Amyntas alexandri* Beddard  
*Distribution* : Kolkata (Kakurgachi), Darjiling (Reang) and Jalpaiguri (Jayanti).

15. *Amyntas diffringens* (Baird)  
*Distribution* : Darjiling (Pedong, Kurseong, Resium forest, Dhobikhola Kurseong) and Jalpaiguri (Jaldapara Wild Life Sanctuary).

16. *Amyntas hawayanus* (Rosa)  
*Distribution* : Darjiling.

17. *Amyntas morrisi* (Beddard)  
*Distribution* : Kolkata (Indian Museum Compound) and Darjiling.

18. *Amyntas robustus* (Parrier)  
*Distribution* : Darjiling (Darjiling Town).

19. *Lampito mauritii* Kinberg  
*Distribution* : North 24 Pgs. (Barrackpur, Dakshineswar), South 24 Pgs. (Sagar Island, Kamdohari, Boral, Kurebhanga, Amtala), Bankura (Aral Bansi Bankura Town, Sonamukhi), Bardhaman (Panagarh), Birbhum (Nalhati, Sainthia, Bolpur, Rampurhat), Kolkata (Paik Para, Indian Museum compound, Chetla Park), Darjiling, Haora (Domjur, Mourigram, Amta, Bagnan, Shyampur), Jalpaiguri (Jalpaiguri Town), Koch Bihar (Atiamochar, Dinhata), Murshidabad (Berhampur, Lalbagh, Farakka, Kandi, Ragonathgunj), Nadia (Krishnanagar, Nabadwipdham, Champta, Goalapara), Puruliya (Manbajar) and W. Dinajpur (Bangar, Jordighi).

20. *Metaphire anomala* (Michaelsen)  
*Distribution* : Not known.

21. *Metaphire anomala* A morphs (Gates)  
*Distribution* : Darjiling (Kalimpong, Reang) and Haora.

22. *Metaphire californica* (Kinberg)

*Distribution* : Darjiling.

23. *Metaphire houletti* H morph (Gates)

*Distribution* : Darjiling.

24. *Metaphire houletti* larger Hp morph (Gates)

*Distribution* : North 24 Pgs. (Kadampukur), South 24 Pgs. (Raidighi, Komdohari, Haltu), Bankura (Aral Bansi), Birbhum (Nishchintapur, Rampurhut), Kolkata (St. Paul Cathedral compound, Kolkata Maidan, Rabindra Sarobar), Haora (Shyampur) and Murshidabad (Berhampur).

25. *Metaphire houletti* smaller Hp morph (Gates)

*Distribution* : Barddhaman and Kolkata.

26. *Metaphire peguana* (Rosa)

*Distribution* : Kolkata (St. Paul Cathedral compound, Indian Museum compound) and Jalpaiguri (Jayanti, Bhutia Basti near Jayanti).

27. *Metaphire planata* (Gates)

*Distribution* : Kolkata (Eden Gardens), Darjiling (Churabati, Mong Pong), Hugli (Jogram), Jalpaiguri (Duars, Kartick (BTR)), Koch Bihar (Atiamochar), Murshidabad (Berhampur, Lalbagh, New Farakka) and W. Dinajpur (Raiganj).

28. *Metaphire posthuma* (Vaillant)

*Distribution* : North 24 Pgs. (Naihati), South 24 Pgs. (Ranaghata near Joynagar-Mijilpur, Kamdohari, Boral), Bankura (Aral Bansi, Sonamukhi), Barddhaman, Kolkata (Eden Gardens, Paik Para, St. Paul Cathedral compound), Haora (Bally, Domjur, Mourigram, Amta, Bagnan, Shyampur), Jalpaiguri {Baradabari, Bhutia Basti near Jayanti, Kartick (BTR)}, Medinipur (Tamluk, Medinipur Town, Garbe, Ghatal, Gopiballavpur), Murshidabad (Berhampur, Lalbagh, Ragunathgunj, Jangipur), Nadia (Krishnanagar, Nabadwipdham, Nabadwipghat, Champta) and W. Dinajpur (Bangar, Karandighi, Raiganj).

29. *Perionyx alatus* Stephenson

*Distribution* : Darjiling.

30. *Perionyx jorpokriensis* Julka

*Distribution* : Darjiling.

31. *Perionyx annandalei* (Michaelsen)

*Distribution* : Darjiling.

32. *Perionyx excavatus* Parrier

*Distribution* : North 24 Pgs. (Barrackpur, Dakshniwar, Sodepur), South 24 Pgs. (Kamdohari, Tentulberia), Bankura (Jayarambati, Sonamukhi), Barddhaman (Burdwan Town, Panagarh, Andal), Kolkata (Paik Para, Park Circus Maidan, Kolkata Maidan, Chetla Park), Darjiling, Haora (Amta, Shyampur), Hugli (Tribeni, Chinsura), Jalpaiguri (Jalpaiguri Town, Lataguri, Hasimara, Alipurduar), Koch Bihar (Dinhata, Mathabhanga, Toofanganj), Maldah (Gour, Piasbari, Baiki, Maldah Town), Medinipur (Contai, Garbeta, Gopalballavpur, Midinipur town), Murshidabad (Sagardighi, Kandi, Jalangi), Puruliya (Purulia Town, Manbajar) and W. Dinajpur (Karandighi, Raiganj).

33. *Perionyx gravelyi* Stephenson

*Distribution* : Darjiling.

34. *Perionyx heterochaetus* (Stephenson)

*Distribution* : Darjiling.

35. *Perionyx himalayanus* Michaelsen

*Distribution* : Darjiling.

36. *Perionyx inornatus* Stephenson

*Distribution* : Darjiling.

37. *Perionyx macintoshi* Beddard

*Distribution* : Darjiling and Haora.

38. *Perionyx nanus* Stephenson

*Distribution* : Darjiling.

39. *Perionyx pallidus* Stephenson

*Distribution* : Darjiling (Kalimpong).

40. *Perionyx pincerna* Stephenson

*Distribution* : Darjiling.

41. *Perionyx pokhrianus*

*Distribution* : Darjiling (Jorpokri).



42. *Perionyx pokhrianus* var *affinis*  
Stephenson

*Distribution* : Darjiling (Sirong Ridge).

43. *Perionyx pulvinatus* Stephenson

*Distribution* : Darjiling (Ghum).

44. *Perionyx rimatus* Stephenson

*Distribution* : Darjiling (Jorpokri).

45. *Perionyx sikimensis* (Michaelsen)

*Distribution* : Darjiling (Sandakphu).

46. *Perionyx variegatus* (Michaelsen)

*Distribution* : Darjiling (Phallut).

47. *Plutellus ghumensis* Julka

*Distribution* : Darjiling (Ghum Bhanjun).

48. *Polypheretima elongata* (Perrier)

*Distribution* : South 24 Pgs. (Baradanagar Raidighi, Purba Sridharpur near Raidighi) and Kolkata (Kolkata Maidan).

49. *Tonoscolax horai* (Stephenson)

*Distribution* : Koch Bihar (Toofanganj).

50. *Tonoscolex monorchis* (Stephenson)

*Distribution* : Darjiling (Ghum) and Jalpaiguri {Jayanti (BTR)}.

Family MONILIGASTRIDAE

51. *Drawida nepalensis* Michaelsen, 1907

*Distribution* : Bankura (Joyrambati), Kolkata (St. Paul's Cathedral Compound), Darjiling (Siliguri), Jalpaiguri (Baradabari, Jayanti (BTR), Bhutia Basti Jayanthi), Koch Bihar (Dinhata, Mathabhanga, Toofanganj) and Nadia (Katagunj near Kalyani).

Family OCNERODRILIDAE

52. *Nematogenia panamaensis* (Eisen)

*Distribution* : Jalpaiguri (Lataguri).

53. *Nematogenia elegans* morph *paski*  
Stephenson

*Distribution* : Puruliya (Puruliya town).

Family OCTOCHAETIDAE

54. *Dichogaster bolau* (Michaelsen)

*Distribution* : Kolkata (Kakurgachi), Haora, Jalpaiguri (Jayanti (BTR), Jalpaiguri town),

Koch Bihar (Dinhata, Toofanganj) and W. Dinajpur (Jordighi).

55. *Dichogaster modiglianii* (Rosa)

*Distribution* : Birbhum (Muradihi near Sainthia), Kolkata, Darjiling (Siliguri), Jalpaiguri (New Jalpaiguri, Mohitnagar), Koch Bihar (Toofanganj), Nadia (Bhatjungla near Krishnanagar, Plassy), Puruliya (Manbajar, Ragunathpur) and W. Dinajpur (Jordighi, Raigunj).

56. *Dichogaster saliens* (Beddard)

*Distribution* : Darjiling.

57. *Eutyphoeus gammiei* (Beddard, 1888)

*Distribution* : Darjiling (Dhobighora, Kurseong, Dalingcoat) and Jalpaiguri (Baradabari, Alipurduar).

58. *Eutyphoeus incommodus* (Beddard)

*Distribution* : Birbhum (Maloberia near Sainthia), Kolkata (Kolkata Maidan, Chetla Park), Murshidabad (New Farakka), Nadia (Nabadwipdham, Nabadwipghat, Champta, Kalyani) and W. Dinajpur (Bangar).

59. *Eutyphoeus nicholsoni* (Beddard)

*Distribution* : Birbhum (Maloberia near Sainthia, Muradihi near Saithia), Kolkata, Murshidabad (Berhampur, Farakka, Kandi) and Nadia (Krishnanagar, Kalyani).

60. *Eutyphoeus orientalis* (Beddard)

*Distribution* : North 24 Pgs. (Barrackpore, Pulta, Rajarhat, Naihati, Gopalpur), South 24 Pgs. (Kamdohari near Garia), Birbhum (Sainthia), Kolkata (Indian Museum compound, Kolkata Maidan, Chetala Park), Haora (Bally), Hugli (Chinsura), Murshidabad (Berhampur, Lalbagh, Kandi, Jangipur) and Nadia (Krishannagar, Champta, Kalyani, Plassy).

61. *Eutyphoeus quadripapillatus*  
Michaelsen

*Distribution* : Kolkata.

62. *Eutyphoeus waltoni* Michaelsen

*Distribution* : Kolkata.

63. *Lenogaster pusillus* (Stephenson)

*Distribution* : Birbhum (Rampurhat) and Kolkata (Chetla Park).

64. *Octochaetona beatrix* (Beddard)

*Distribution* : South 24 Pgs., Barddhaman (Raniganj), Kolkata (Rabindra Sarobar, Kolkata Maidan, Chetla Park, Kasba), Darjiling (Reang), Murshidabad (Kharsa near Kandi) and Nadia (Krishnanagar, Kalyani).

65. *Octochaetona compta* Gates

*Distribution* : Bankura (Bishnupur) and Barddhaman (Galsi).

66. *Pellogaster bengalensis* Michaelsen

*Distribution* : Hugli (Tribeni).

67. *Ramiella bishambari* (Stephenson)

*Distribution* : Jalpaiguri (Jalpaiguri town, Hasmara, Alipurduar), Medinipur (Belda, Kolaghat) and W. Dinajpur (Bangar).

68. *Scolioscolides bergtheili* (Michaelsen)

*Distribution* : Darjiling (Sandakphu).

## Fresh water Oligochaetes

Class	CLITELLATA
Superorder	MICRODRILI
Order	TUBIFICIDA
Family	TUBIFICIDAE
Subfamily	NAIDINAE

69. *Chaetogaster langi* Bretscher

*Distribution* : Kolkata.

70. *Chaetogaster limnae bengalensis*

Annandale

*Distribution* : Kolkata.

71. *Allonais gwaliorensis* (Stephenson)

*Distribution* : Bankura (Bishnupur).

72. *Allonais inaequalis* (Stephenson)

*Distribution* : Kolkata (Indian Museum Tank), Barddhaman (Katwa town), Hugli (Janai) and Haora (Mourigram).

73. *Allonais paraguayensis* (Michaelsen)

*Distribution* : Maldah (Bamongola) and Kolkata.

74. *Branchiodrilus hortensis* (Stephenson)

*Distribution* : Bankura (Saltora) and Hugli (Chinsura).

75. *Branchiodrilus semperi* (Bourne)

*Distribution* : Barddhaman (Katwa, Burdwan University campus), Nadia (Nabadwip), Medinipur (Garbeta, Medinipur town), Bankura (Saltora), Puruliya (Ragunathpur) and W. Dinajpur (Bangar).

76. *Dero tonkinensis* (Vejdovsky)

*Distribution* : Barddhaman (Burdwan University campus).

77. *Dero cooperi* Stephenson

*Distribution* : Barddhaman (Andal, Raina, University campus), Maldah (Bamgola), Bankura (Saltora, Susunia, Aural Bansi), Medinipur (Medinipur town) and Nadia (Champta).

78. *Dero dorsalis* Ferroniere

*Distribution* : Maldah (Kaliachawk), Hugli (Pandooah, Kamarpukur), Bankura (Saltora), Medinipur (Medinipur town), Barddhaman (Burdwan University Campus, Galsi, Katwa, Andal, Raina), Nadia (Champta, Paraz) and W. Dinajpur (Bangar, Raigunj).

79. *Dero indica* Naidu, 1962

*Distribution* : Bankura (Saltora), Haora (Domjur), Hugli, Maldah and Kolkata.

80. *Dero zeylanica* Stephenson

*Distribution* : Bankura (Aral Bansi, Saltora, Susunia), Medinipur (Medinipur town), Barddhaman (Katwa, Galsi, Raina, University campus) and Maldah (Bamongola, Kaliachawk).

81. *Nais barbata* Muller

*Distribution* : Kolkata.

82. *Nais elinguis* Muller

*Distribution* : Kolkata.

83. *Nais simplex* Pignet

*Distribution* : Bankura (Aral Bansi), Haora (Mourigram) and South 24 Pgs. (Sonarpur).

84. *Slavina appendiculata* (d'udekem)

*Distribution* : Kolkata.

85. *Stylarias fossularis* Leidy

*Distribution* : Barddhaman (Katwa), Murshidabad (Lalbag), Haora (Unsani) and Bankura (Bishnupur).

Sub family PRISTINIAE

86. *Pristina aequiseta* Bourne

*Distribution* : Kolkata.

87. *Pristina longiseta* Ehrenberg

*Distribution* : Kolkata.

88. *Pristina proboscidea* Beddard

*Distribution* : Bankura (Bishnupur) and Kolkata.

89. *Pristina sperberae* Naidu

*Distribution* : Barddhaman (Andal village).

Sub family RHYACODRILINAE

90. *Bothrioneurum iris* Beddard

*Distribution* : W. Dinajpur (Bangar).

91. *Branchiura sowerbyi* Beddard

*Distribution* : Koch Bihar (Dinhata, Toofanguj), Maldah (Kaliachawk, Maldah town), Puruliya (Sahib Bandh, Puruliya town), Barddhaman (Andal village, Katwa, Raina, University Campus) and Hugli (Janai, Kamarpukur, Pandooah).

Sub family TUBIFICINAE

92. *Limnodrilus hoffmeisteri* Claparede

*Distribution* : Haora, Jalpaiguri (Alipurduar), Koch Bihar (Dinhata, Mathabhanga, Domjur), Medinipur (Medinipur town), Nadia (Paraz), Puruliya (Bagmundi, Sahib Bandh), Barddhaman and Maldah (Kaliachawk).

93. *Tubifex tubifex* Muller

*Distribution* : Maldah (Kaliachawk).

94. *Aulodrilus remex* (Stephenson)

*Distribution* : Murshidabad (Lalbagh).

Class POLYCHAETA

Family POLYNOIDAE

Subfamily LIPODONTINAE

95. *Lepidonotus* sp.

*Distribution* : South 24 Pgs. (Sagar Island, Sunderbans).

96. *Lepidonotus tenuistossus* (Gravier)

*Distribution* : South 24 Pgs. (Kuchuberia, Sagar Island, Bakkhali) and Haora.

Subfamily HARMOTHOINAE

97. *Gattyana fauveli* Misra

*Distribution* : Not known.

98. *Gaudichaudius cimex* (Quatrefages)

*Distribution* : South 24 Pgs. (Bakkhali, Sagar Island).

Family POLYODONTIDAE

99. *Eupanthalis eriophthalma* (Potts)

*Distribution* : Medinipur (Digha cost).

Family SIGALIONIDAE

100. *Thalenessa djiboutiensis* (Gravier)

*Distribution* : Medinipur (Digha cost).

Family AMPHINOMIDAE

101. *Chloeia parva* Baird

*Distribution* : Haora and Medinipur (Lykani Khal, Digha).

Family PHYLLODOCIDAE

102. *Anaitid madeirensis* (Langerhans)

*Distribution* : South 24 Pgs. (Jhingakhali, Sunderbans, Canning, Kakdwip).

103. *Eteone barantollae* Fauvel

*Distribution* : South 24 Pgs. (Sagar Island).

104. *Eteone ornate* Grube

*Distribution* : South 24 Pgs. (Mouth of Hoogly estuary).

Family PILARIGIDAE

105. *Sigambra constricta* (Southern)

*Distribution* : South 24 Pgs. (Bakkhali).

106. *Sigatarigis cimmensis* Misra

*Distribution* : South 24 Pgs. (Birajmani char, Gosaba, Sunderbans).

Family TALEHSPIIDAE

107. *Talehsapia annandalei* Fauvel

*Distribution* : South 24 Pgs. (Kamalpur, Sagar Island, Kuchuberia, Kakdwip, Sagar Island).

Family HESIONIDAE

108. *Hesione splendida* Suvigny

*Distribution* : South 24 Pgs. (Kishorimonharpur, Sunderbans).

Family NEREIDIDAE

Subfamily NAMANEREIDINAE

109. *Namalycastis fauveli* Rao

*Distribution* : South 24 Pgs. (Barrackpur Bhushighata), Haora (Bally, Salkia) and Medinipur (Narayanpur, Patkhali, Haldia, Geonkhali).

110. *Namalycastis indica* (Southern)

*Distribution* : South 24 Pgs. (Barrackpur Bhushighata), Haora (Salkia ghat) and Medinipur (Geonkhali, Haldia).

111. *Namalycastis meraukensis* (Horst)

*Distribution* : South 24 Pgs. (Falta) and Medinipur (Geonkhali).

Subfamily NEREIDINAE

112. *Ceratonereis burmensis* Monro

*Distribution* : South 24 Pgs. (Birajmanichar, Gosaba, Sunderbans) and Medinipur (Digha coast).

113. *Dentronereides heteropoda* Southern

*Distribution* : North 24 Pgs. (Bhusighata, Barrackpur), South 24 Pgs. (Kakdwip, Raychak, Bakkhali, Dimond Harbopur, Falta), Haora (Salikia) and Medinipur (Haldia, Narayanpur, Geonkhali, Ramnagar, Teropekhya).

114. *Dentronereides gangetica* Misra

*Distribution* : Medinipur (Nurpur, Champa river, Ramnagar) and South 24 Pgs.

(Gangasagar, Sagar Island, Muriganga creek, Jhingakhali).

115. *Dentronereis aestuarina* Southern

*Distribution* : South 24 Pgs. (Sandeshkhali, Gangasagar, Kachuberia, Namkhana).

116. *Dentronereis dayi* Misra

*Distribution* : South 24 Pgs. (Bhangatushkhali, Taldi, Kakdwip, Canning, Bakkhali) and Medinipur (Champa river, Ramnagar).

117. *Ganganereis sootai* Misra

*Distribution* : South 24 Pgs. (Jhingakhali, Naraharipur, Champatala, Gangasagar).

118. *Lycastonereis indica* Rao

*Distribution* : South 24 Pgs. (Bhushighata) and Medinipur (Champa river, Ramnagar).

119. *Neanthes chingrighattensis* (Fauvel)

*Distribution* : South 24 Pgs. (Kachuberia, Harwood point, Kakdwip, Gangasagar, Dimond Harbour) and Medinipur (Haldia, Gadiara).

120. *Neanthes glandicincata* (Southern)

*Distribution* : Kolkata (Baratolla, Salt Lake).

121. *Neanthes meggitti* (Monro)

*Distribution* : South 24 Pgs. (Raychak, Narayanpur, Dimond Harbour, Falta), Haora (Uttarpara Library Ghat) and Medinipur (Haldia, Teropekhya, Geonkhali).

122. *Perinereis cavifrons* (Ehlers)

*Distribution* : South 24 Pgs. (Harwood point, Kakdwip).

123. *Perinereis cultrifera* (Grube)

*Distribution* : South 24 Pgs. (Champatala, Sagar Island).

124. *Perinereis nigropunctata* (Horst)

*Distribution* : South 24 Pgs. (Jhingakhali, Canning, Sunderbans, Kachuberia, Sagar Island).

Family NEPHTYIDAE

125. *Nephtys oligobranchia* Southern

*Distribution* : Haora (Uttarpara Library Ghat) and Medinipur (Champa river).

126. *Nephtys polybranchia* Southern  
*Distribution* : Haora (Uttarpara Library Ghat) and Medinipur (Geonkhali, Teropekhya).  
 Family GLYCERIDAE
127. *Glycera convoluta* Keferstein  
*Distribution* : South 24 Pgs. (Jammu Island, Sagar Island).
128. *Glycera lancadivae* Schmarda  
*Distribution* : South 24 Pgs. (Sagar Island).
129. *Glycera longipinnis* Grube  
*Distribution* : Medinipur (Digha coast, Lykani Khal).
130. *Glycera rouxii*  
 Audouin & Milne-Edwards  
*Distribution* : South 24 Pgs. (Sagar Island, Canning).
131. *Glycera tessellata* Grube  
*Distribution* : South 24 Pgs. (Doarakara, Sunderban).  
 Family GONIADIDAE
132. *Glycinde oligodon* Southern  
*Distribution* : South 24 Pgs. (Namkhana, Taldi, Canning).
133. *Goniada emerita* Audouin & Milne-Edwards  
*Distribution* : South 24 Pgs. (Haldi, Sunderban, Jharkhali, Sagar Island).  
 Family ONUPHIDAE
134. *Diopatra cuprea* (Bose)  
*Distribution* : South 24 Pgs. (Sagar Island, Champatala, Kachuberia, Canning, Bakkhali).
135. *Hyalinoecia tubicola* (Muller)  
*Distribution* : South 24 Pgs. (Sandheads HRM).  
 Family EUNICIDAE
136. *Eunica aphoroditois* (Pallas)  
*Distribution* : Lower reaches of Hooghly estuary.
137. *Lysidice natalensis* Kinberg  
*Distribution* : South 24 Pgs. (Naraharipur, Mandirtala, Sagar Island).
138. *Marphysa mossambica* (Peters)  
*Distribution* : South 24 Pgs. (Jhingakhali, Sunderbans, Kachuberia, Sagar Island).
139. *Marphysa sanguinea* (Montagu)  
*Distribution* : South 24 Pgs. (Sagar Island).
140. *Marphysa* sp.  
*Distribution* : South 24 Pgs. (Mandirtala, Sagar Island).  
 Family LUMBRINERIDAE
141. *Lumbrineris bilabiata* Misra  
*Distribution* : South 24 Pgs. (Kakdwip, Kachuberia, Sagar Island, Bakkhali) and Medinipur (Champa river).
142. *Lumbrineris heteropoda*  
 (Marenzeller)  
*Distribution* : South 24 Pgs. (Bhangatushkhali, Sunderbans).
143. *Lumbrineris notocirrata* (Fauvel)  
*Distribution* : South 24 Pgs. (Kachuberia, Sagar Island, Canning) and Medinipur (Champa river).
144. *Lumbrineris polydesma* (Southern)  
*Distribution* : South 24 Pgs. (Kakdwip, Naraharipur, Canning, Jhingakhali, Muriganga).  
 Family ORBINIIDAE  
 Subfamily ORBINIINAE
145. *Leitoscoloplos* sp.  
*Distribution* : South 24 Pgs. (Sagar Island).
146. *Scoloplos (Scoloplos) sagarensis*  
 Misra  
*Distribution* : South 24 Pgs. (Sagar Island).  
 Family SPIONIDAE
147. *Minuspio cirrifera* (Wiren)  
*Distribution* : South 24 Pgs. (Taldi).

148. *Polydora normalis* Day  
*Distribution* : South 24 Pgs. (Namkhana, Canning).
149. *Polydora* sp.  
*Distribution* : South 24 Pgs. (Naraharipur).
150. *Pseudopolydora kempi* (Southern)  
*Distribution* : Kolkata (Chingrighata, Salt Lake).
151. *Spio bengalensis* Willey  
*Distribution* : South 24 Pgs. (Canning).  
Family FLABELLIGERIDAE
152. *Pherusa bengalensis* (Fauvel)  
*Distribution* : South 24 Pgs. (Sandheads HRM).  
Family CAPITELLIDAE
153. *Barantolla sculpa* Southern  
*Distribution* : Kolkata (Baratolla, Salt Lake).
154. *Capitella capitata* (Fabricius)  
*Distribution* : South 24 Pgs. (Matla river).
155. *Mastobranchus sp. cf. indicus* (Southern)  
*Distribution* : South 24 Pgs. (Kachuberia, Kakdwip, Bhushighata, Dimond Harbour) and Medinipur (Haldia, Patikhali).
156. *Parheteromastus tenuis* Monro  
*Distribution* : South 24 Pgs. (Muriganga creek, Sagar Island, Namkhana).  
Family MALDAHNIIDAE  
Subfamily MALDANIDAE
157. *Asychis gangeticus* Fauvel  
*Distribution* : South 24 Pgs. (Sandheads).  
Family OWENIIDAE
158. *Owenia fusiformis delle* Chaije  
*Distribution* : Medinipur (Champa river) and South 24 Pgs. (Naraharipur, Namkhanna, Bakkhali).  
Family STERNASPIDAE
159. *Sternaspis scutata* (Ranier)  
*Distribution* : South 24 Pgs. (Banamali Khal, Jharkhali, Sunderban).
- Family SABELLARIDAE
160. *Sabellaria alcocki* Gravier  
*Distribution* : South 24 Pgs. (Matla river).
161. *Sabellaria pectinata intermedia* Fauvel  
*Distribution* : South 24 Pgs. (Naraharipur, Namkhana, Harwood point, Kakdwip, Matla).  
Family TERESELLIDAE  
Subfamily AMPHIRTITINAE
162. *Loimia medusa* (Savigny)  
*Distribution* : South 24 Pgs. (Sagar Island).
163. *Pista typha* (Grube)  
*Distribution* : South 24 Pgs. (Sandheads).  
Family AMPHARETIDAE  
Subfamily MALINNINAE
164. *Isolda pulchella* (Muller)  
*Distribution* : South 24 Pgs. (Chhotahardi, Sunderban).  
Family SABELLIDAE  
Subfamily SABELLINAE
165. *Potamilla leptochaeta* Southern  
*Distribution* : South 24 Pgs. (Bakkhali, Namkhana, Canning, Jhingakhali).  
Family SERPULIDAE  
Subfamily SERPULINAE
166. *Ficopomatus macrodon* Southern  
*Distribution* : South 24 Pgs. (Namkhana, Jhingakhali, Canning).  
Class HIRUDINEA  
Order RHYNCHOBDELLAE  
Family PLSCICOLEDAE
167. *Ozobranchus shipleyi* Harding  
*Distribution* : Kolkata.  
Family GLOSSIPHONIDAE
168. *Batrachobdella reticulata* Kaburaki  
*Distribution* : Murshidabad (Kandi).
169. *Glossiphonia annandalei* Oka  
*Distribution* : Maldah (Ramkali).

170. *Glossiphonia heteroclita* Linnaeus  
Distribution : Maldah and Hugli (Bhadreswar).

171. *Glossiphonia weberi* Blanchard  
Distribution : South 24 Pgs., Bankura (Bishnupur, Susunia), Bardhaman (Bardhaman town), Kolkata (Indian Museum tank), Haora (Domjur, Maurigram), Hugli (Pandooa), Jalpaiguri (Mohitnagar), Koch Bihar (Dinhata), Maldah (Bhatia hill, Gour, Maldah town), Medinipur (Contai, Gopiballavpur, Kolaghat), Puruliya (Manbzar, Baghmundi, Ragunathpur).

172. *Helabdella nociva* Harding  
Distribution : South 24 Pgs. (Balia near Garia), Bankura (Balitha), Kolkata (Indian Museum tank), Haora (Maurigram, Bagnan), Medinipur (Contai) and Puruliya (Ragunathpur).

173. *Hemiclepsis marginata asiatica*  
Moore  
Distribution : South 24 Pgs. (Gosaba), Bardhaman (Bardhaman town), Kolkata (Dhakuria lake, Indian Museum tank) and Jalpaiguri (Jalpaiguri town, Lataguri).

174. *Hemiclepsis marginata marginata*  
(Muller)  
Distribution : Kolkata, Haora (Shyampur, Bagnun), Maldah (Bhatia bill near Gour), Murshidabad and Puruliya (Baghmundi).

175. *Paraclepsis gardensi* Mandal  
Distribution : Haora (Shibpur); North 24 Pgs. (Kalikapur); Medinipur (Mechagram); South 24 Pgs. (Vojerhat).

176. *Paraclepsis praedatrix* Harding  
Distribution : Bankura (Bishnupur), Medinipur (Belda) and Puruliya.

177. *Placobdella emydae* Harding  
Distribution : North 24 Pgs. (Ichamati river near Bangaon), South 24 Pgs. (Gosaba), Kolkata (Dhakuria lake), Hugli and Puruliya.

178. *Placobdella fulva* Harding  
Distribution : Puruliya.

179. *Placobdella horai* Baugh  
Distribution : Puruliya.

180. *Placobdella harasundarai* Mandal  
Distribution : South 24 Pgs. (Harasundari Pond, Vojerhat).

181. *Placobdella undulata* Harding  
Distribution : Barddhaman (Golsi), Nadia (Krishna Nagar).

Suborder ARHYNCHOBDELLA  
Family ERPOBDELLIDAE

182. *Barbronia weberi* (Blanchard)  
Distribution : Maldah (Sagardighi).

183. *Nematobdella indica* (Kaburaki)  
Distribution : North 24 Pgs. (Bangaon) and Birbhum (Bolpur).

184. *Herpodelloidea laterocolata* Kaburaki  
Distribution : Bankura (Bishnupur), Barddhaman (Barddhaman town), Hugli (Chinsura), Jalpaiguri (Jalpaiguri town, Lathagiri, Mohitnagar, New Alipurduar), Koch Bihar (Dinhata, Mathabhanga, Koch Bihar town), Medinipur (Belda, Medinipur town, Gopigram) and W. Dinajpur (Jordighi, Raigunj town).

Family HAEMADIPSIDAE

185. *Haemadipsa dussumieri* Blanchard  
Distribution : Darjiling.

186. *Haemadipsa montana* Moore  
Distribution : Darjiling (Palmaju, Tiger hill).

187. *Haemadipsa ornate* Moore  
Distribution : Darjiling.

188. *Haemadipsa sylvestris* Blanchard  
Distribution : North 24 Pgs., South 24 Pgs. (Garia), Bankura, Barddhaman, Birbhum (Nalhati, Nischintapur), Kolkata (Kolkata, Salt Lake), Darjiling (Neora valley), Haora (Khantora, Ulubaria, Amta, Bagnun), Hugli (Chinsura), Jalpaiguri (Karthic forest, Bhutan gate, Lataguri), Koch Bihar, Maldah, Medinipur

(Tamluk, Kharagpur, Talpukur village), Murshidabad (Pakuria village, Kalyanpur), Nadia (Subhas Nagar, Kalyani, Beldanga), Puruliya and Dinajpur.

189. *Haemadipsa zeylanica agilis* Moore

*Distribution* : Darjiling.

190. *Haemadipsa zeylanica montivindicis* Moore

*Distribution* : Bankura (Garati river near Garumara) and Darjiling (Tiger hill).

Family HIRUDIDAE

191. *Dinobdella ferox* (Blanchard)

*Distribution* : Darjiling.

192. *Hirudinaria granulose* (Savigny)

*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Barddhaman, Birbhum (Kashim Bazar), Kolkata, Darjiling, Haora, Hugli, Jalpaiguri, Koch Bihar, Maldah, Medinipur, Murshidabad (Baharampur, Beniagram), Nadia, Puruliya and W. Dinajpur.

193. *Hirudinaria manillensis* (Lesson)

*Distribution* : North 24 Pgs. (Barrackpur), South 24 Pgs. (Canning), Bankura (Bagri near Bishnupur, Jamuna Bandh, Bishnupur, Veda Sole), Barddhaman (Katowa, Galsi, Raina), Birbhum (Bahara village, Madunir hil near near Saithea, Kashim Bazar), Kolkata (Salt Lake, Rajarhat), Darjiling, Haora, Hugli (Kamarpukur, Andal), Jalpaiguri (Lataguri), Koch Bihar, Maldah (Dakia bill near Gour), Medinipur (Kharagpur, Paskura Chaitannyapur, Ghatal), Murshidabad (Raghunathgunge), Nadia (Krishnanagar, Champta bill, Gopi near Krishnanagar, Kalyani), Puruliya (Puruliya town) and W. Dinajpur (Kutubdighi near Raigunj, Jordighi, Karandighi).

194. *Hirudo birmanica* (Blanchard)

*Distribution* : South 24 Pgs. (Balua near Garia), Bankura (Noonjhor), Kolkata (Dum Dum, Salt Lake), Darjiling (Siliguri) and Koch Bihar (Tufangunj).



## CRUSTACEA

Phylum ARTHROPODA  
 Class CRUSTACEA  
 Subclass BRANCHIOPODA  
 Family BOSMINIDAE

### 1. *Bosminopsis deitersi* Richard

*Distribution* : Kolkata (Hooghly river) and Hugli (Kasipur Hugla Jhill, Santragachi Jhill, Damodar river).

Family CHYDORIDAE  
 Subfamily CHYDORINAE

### 2. *Alona affinis* (Leydig)

*Distribution* : Birbhum (Gole Park, Rampurhat), Haora (Shibpur, Santragachi Jhill), Hugli (Dankuni Jhill, Gholla Krishnanagar Dighi) and Medinipur.

### 3. *Alona costata* Sars

*Distribution* : Haora (Kasipur Hugla Jhill, Shabadaha, Birshipur, Malanchaberia, Santragachi Jhill, Barul jetty ghat).

### 4. *Alona davidi* Richard

*Distribution* : South 24 Pgs. (Budge Budge, Sarisha, Mahestala, Memanpur), Birbhum (Saithia beel) and Haora (Bagnan Jhill, Kasipur Hugla Jhill, Shibadaha, Kulai river, Santragachi Jhill).

### 5. *Alona intermedia* Sars

*Distribution* : Birbhum (Ballavpur Sanctuary), Haora (Santragachi Jhill) and Hugli (Dankuni Jhill, Baluguri Jhill).

### 6. *Alona kwangsiensis* Chiang

*Distribution* : Haora (Santragachi Jhill) and Hugli (Gholla Krishnanagar Dighi).

### 7. *Alona monacantha* Sars

*Distribution* : Haora (Malanchaberia).

### 8. *Alona pulchella* King

*Distribution* : South 24 Pgs. (Budge Budge, Memanpur, Mahestala), Birbhum (Ballavpur Sanctuary), Haora (Synop Cotton Mill, Sibpur, Shibadaha, Birshipur, Malanchaberia,

Santragachi Jhill, Bauri jetty ghal) and Hugli (Jagathur Jhill).

### 9. *Alona quadrangularis* (O. F. Muller)

*Distribution* : Birbhum (Dhatin Jhill) and Haora (Kasipur Hugla Jhill, Birahipur, Malanchaberia).

### 10. *Alona rectangula* Sars

*Distribution*: South 24 Pgs. (Amta, Bon Hooghly, Shovakole, Thakurpukur, Sirsha) and Birbhum (Kanakund Jhill, Saintia Jhill).

### 11. *Biapertura karua* (King)

*Distribution*: South 24 Pgs. (Amtala, Bon Hooghly, Sarisha, Mahestala, manikur), Haora (Bagnan Jhill, Kasipur Hugla Jhill, Shibadaha, Kulai river, Birshipur Jhill, Malanchaberia, Santragachi) and Hugli (Dankuni Jhill, Hatgacha Jhill, Baluguri Jhill, kanakund Jhill).

### 12. *Biapertura verrucosa* (Sars)

*Distribution* : Haora (Kasipur Hugla Jhill, Shibadaha, Birshipur, Malanchaberia, Santragachi Jhill) and Hugli (Dankuni Jhill).

### 13. *Camptocercus australis* Sars

*Distribution* : Haora (Kulai) and Hugli (Baluburi Jhill).

### 14. *Camptocercus rectirostris* Schoedler

*Distribution* : Kolkata (Park street).

### 15. *Euryalona orientalis* (Daday)

*Distribution* : South 24 Pgs. (Maheshtala), Kolkata (Baranagar), Haora (Boramolla Jhill, Kulai, Santragachi Jhill) and Hugli (Rupnarayan river, Gholla Krishnanagar Dighi, Kegan Bander).

### 16. *Graptoleberis testudinaria* (Fischer)

*Distribution* : Haora (Kasipur Hugla Jhill).

### 17. *Kurzia latissima* (Kurz)

*Distribution* : South 24 Pgs. (Barisha), Birbhum (Ballavpur Sanctuary, Dhatin Jhill) and Haora (Kulai, Malanchaberia, Santragachi Jhill).

18. *Kurzia longirostris* (Daday)

*Distribution* : South 24 Pgs. (Sirsha), Birbhum (Ballavpur Sanctuary, Tilpara barrage, Gole park, Rampurhat), Kolkata, Haora (Shibadaha, Kulai, Malanchaberia, Santragachi Jhill) and Hugli (Kanakund Jhill).

19. *Leydigia acanthocercoides* (Fischer)

*Distribution* : North 24 Pgs. (Bon Hooghly), Birbhum (Ballavpur Sanctuary, Dhatin Jhill), Haora (Kasipur Hugla Jhill, Shibadaha, Birshipur Jhill, Malanchaberia) and Hugli (Rupnarayanriver, Gholla Krishnanagar Dighi, Kegan Bander).

20. *Notalona globulosa* (Daday)

*Distribution* : South 24 Pgs. (Achipur, Baruipur, Memanpur), Birbhum (Ballavpur Sanctuary, Dhatin Jhill), Haora (Kasipur Hugla Jhill, Shibadaha, Birshipur Jhill, Malanchaberia) and Hugli (Rupnarayan river, Gholla Krishnanagar Dighi, Kegan Bander).

21. *Oxyurella singalensis* (Daday)

*Distribution* : South 24 Pgs. (Barisha, Mahestala), Birbhum (Ballavpur Sanctuary), Haora (Kasipur Hugla Jhill, Shibadaha, Santragachi Jhill) and Hugli (Dankuni Jhill, Baluguri Jhill).

22. *Ephemeroperus barroisi* (Richard)

*Distribution* : North 24 Pgs. (Bon Hooghly), South 24 Pgs. (Sirsha), Birbhum (Ballavpur Sanctuary, Dhatin Jhill), Kolkata (Baranagar, Dhakuria Lake), Haora (Shibadaha, Birshipur Jhill, Malanchaberia, Santragachi Jhill, Barul jetty ghat, Damodar river) and Hugli (Dankuni Jhill, Kanakund Jhill, Khegnan Bandar Jhill).

23. *Chydorus eurynotus* Sars

*Distribution* : Haora (Kasipur Hugla Jhill, Shibadaha, Birshipur Jhill, Malanchaberia, Santragachi Jhill, Barul jetty ghat, Damodar river) and Hugli (Dankuni Jhill, Baluguri Jhill).

24. *Chydorus faviformis* Birge

*Distribution* : Haora (Kasipur Hugla Jhill).

25. *Chydorus pubescens* Sars

*Distribution* : Haora (Natibpur Jhill, Kasipur Hugla Jhill, Goalapota, Garchmuke).

26. *Chydorus sphaericus* (O. F. Muller)

*Distribution* : South 24 Pgs. (Amtala, Mahestala, Thakurpukur) and Kolkata (Baranagar, Dhakuria Lake, Behala).

27. *Chydorus ventricosus* Daday

*Distribution* : Birbhum (Ballavpur Sanctuary, Dhatin Jhill), Haora (Kasipur Hugla Jhill, Shibadaha, Birshipur Jhill, Malanchaberia) and Hugli (Baluguri Jhill, Gholla Krishnanagar Dighi).

28. *Dunhevedia crassa* King

*Distribution* : Birbhum (Ballavpur Sanctuary, Tilpara barrage, Dhatin Jhill, Sainthia beel), Haora (Bagnan Jhill, Shibadaha, Birshipur, Malanchaberia, Santragachi Jhill, Barul Jetty ghat, Garchumke) and Hugli (Dankuni Jhill, Baluguri Jhill).

29. *Dunhevedia serrata* Daday

*Distribution* : Haora (Kasipur Hugla Jhill) and Hugli (Khanayn Babdar Jhill).

30. *Pleuroxux denticulatus* Birge

*Distribution* : South 24 Pgs. (Thakurpukur), Birbhum (Ballavpur Sanctuary) and Haora (Shibadaha, Malanchaberia, Santragachi Jhill, Barul jetty ghat).

31. *Pleuroxux similis* Vavra

*Distribution* : South 24 Pgs. (Achipur, Memanpur, Thakurpukur), Birbhum (Ballavpur Sanctuary, Gole Park, Rampurhat) and Haora (Synop Cotton Mill, Kasipur Hugla Jhill, Santragachi Jhill).

32. *Pseudochydorus globosus* (Baird)

*Distribution* : Kolkata.

33. *Alonella excisa* (Fischer)

*Distribution* : Haora (Shibadaha, Amta, Malanchaberia) and Hugli (Dankuni Jhill, Khnaya Bandar Jhill).

Family MACROTHRICIDAE

34. *Macrothrix triserialis* Brady

*Distribution* : North 24 Pgs. (Bon Hooghly, Baranagar), South 24 Pgs. (Sirsha, Amtala),

Birbhum (Ballavpur Sanctuary, Dhatin Jhill), Haora (Kasipur Hugla Jhill, Shibpur, Kulai, Birshipur, Malanchaberia Jhill, Santragachi Jhill) and Hugli (Dankuni Jhill, Jagatpur Jhill, Kanakund Jhill).

35. **Macrothrix goeldi** Richard

*Distribution* : Kolkata (Museum Tank).

36. **Macrothrix spinosa** King

*Distribution* : Birbhum (Ballavpur Sanctuary, Tilpara Barrage, Sainthia Jhill), Hugli and Haora (Synop Cotton Mill, Natibpur Jhill, Kasipur Hugla Jhill, Shibpur, Birshipur, Santragachi Jhill).

37. **Grimaldina brazzai** Richard

*Distribution* : Haora (Malanchaberia, Santragachi Jhill).

38. **Guernella raphaelis** Richard

*Distribution* : Birbhum (Dhatin Jhill) and Haora (Malanchaberia, Santragachi Jhill).

Family ILYOCRYPTIDAE

39. **Ilyocryptis spinifer** Herrick

*Distribution* : Birbhum (Ballavpur Sanctuary), Haora (Synop Cotton Mill, Shibadaha, Damodar river) and Hugli (Kanakund Jhill).

Family MOINIDAE

40. **Moina micrura** Kurz

*Distribution* : North 24 Pgs. (Barisha, Barrackpur), South 24 Pgs. (Bauripur, Amtala, Mahestala, Sirisha), Birbhum (Rajgram, Tilpara barrage), Kolkata (Behala), Haora (Natibpur Jhill, Kasipur Hugla Jhill, Shibadaha, Udayanarayanpur) and Hugli (Hatragacha Jhill, Jugihido dighi, Jagatpur Jhill, Madrasipara dighi).

41. **Moina weismanni** Ishikawa

*Distribution* : Hugli (Gholla Krishnanagar Dighi).

42. **Moinodaphnia macleayi** (King)

*Distribution* : North 24 Pgs. (Bon Hooghly) and Haora (Santragachi Jhill).

Family DAPHNIIDAE

43. **Ceriodaphnia cornuta** Sars

*Distribution* : North 24 Pgs., South 24 Pgs., Birbhum (Ballavpur Sanctuary, Tilpara barrage), Haora (Shibpur, Gadhiara, Santragachi Jhill, Damodar river) and Hugli (Dankuni Jhill, Triveni Jhill, Baluguri Jhill, Ruonarayan river, Beluguri Jhill).

44. **Ceriodaphnia reticulata** (Jurine)

*Distribution* : Haora (Shibadaha, Dadkhali, Santragachi Jhill).

45. **Daphnia carinata** King

*Distribution* : North 24 Pgs. (Bon Hooghly) and South 24 Pgs. (Thakurpukur).

46. **Daphnia lumholtzi** Sars

*Distribution* : North 24 Pgs., South 24 Pgs., Birbhum (Ballavpur Sanctuary, Tilpara barrage), Haora (Natibpur Jhill, Bagnan Jhill, Birshipur, Udayanarayanpur), Hugli (Dankuni Jhill, Hatgacha Jhill), Medinipur.

47. **Daphnia similis** Claus

*Distribution* : Birbhum (Ballavpur Sanctuary, Rajgram) and Haora (Udayanarayanpur).

48. **Scapholeberis kingi** Sars

*Distribution* : North 24 Pgs. (Bon Hooghly), Birbhum (Ballavpur Sanctuary), Kolkata (Baranagar), Haora (Natibpur Jhill, Kasipur, Hugla Jhill, Santragachi Jhill, Damodar river, Udayanarayanpur) and Hugli (Dankuni Jhill, Triveni Jhill, Baluguri Jhill, Gholla Krishnanagar Dighi).

49. **Simocephalus exspinosus** (Koch)

*Distribution* : South 24 Pgs. (Budge Budge, Memanpur), Birbhum (Ballavpur Sanctuary), Haora (Shibadaha, Dadkhali, Santragachi Jhill, Amta) and Hugli (Dankuni Jhill, Triveni Jhill, Hatgacha Jhill).

50. **Simocephalus latirostris** Stingelin

*Distribution* : Haora (Shibadaha, Dadkhali, Santragachi Jhill) and Hugli (Dankuni Jhill).

51. *Simocephalus vetulus* (O. F. Muller)

*Distribution* : North 24 Pgs. (Bon Hooghly, Baranagar), South 24 Pgs. (Achipur, Amtala, Behala, Thakurpukur), Birbhum (Ballavpur Sanctuary, Dhatin Jhill, Sathsowtheen Dighi, Gole Park, Rampurhat), Kolkata (Dhakuria Lake, Indian Museum Tank), Haora (Natibpur Jhill, Bagnan Jhill, Kasipur Hugla Jhill, Santragachi Jhill, Udayanarayanpur) and Hugli (Dankuni Jhill, Triveni Jhill, Baluguri Jhill, Jagarpur Jhill).

Family SIDIDAE

52. *Diaphanosoma brachyurum* (Lieven)

*Distribution* : Kolkata (Hooghly river), Haora (Damodar river) and Hugli (Jagatpur Jhill, Khanakur).

53. *Diaphanosoma excisum* Sars

*Distribution* : South 24 Pgs., Birbhum (Rajgram, Saithia beel), Haora (Synop Cotton Mill, Natibpur Jhill, Bagnan Jhill, Shibpur, Gadiara, Santragachi, Golapota, Udayanarayanpur), Hugli (Hatgacha Jhill, Rupnarayan River, Khnayan) and Medinipur.

54. *Diaphanosoma sarsi* Richard

*Distribution* : Birbhum (Ballavpur Sanctusry, Dhatin Jhill, Bakreswar pond, Gole Park, Rampurhat) and Haora (Natibpur Jhill, Bagnan Jhill, Santragachi Jhill).

55. *Latonopsis australis* (Sars)

*Distribution* : Birbhum, Kolkata, Haora (Kasipur Hugla Jhill, Shibadaha, Santragachi Jhill) and Hugli (Dankuni Jhill, Baliguri Jhill, Kamarkund Jhill).

56. *Pseudosida bidentata* (Herrick)

*Distribution* : North 24 Pgs., South 24 Pgs., Birbhum, Kolkata, and Haora (Kashipur Hugla Jhill, Malanchaberia).

Subclass Copepoda

Order Calanoida

Family Acartiidae

57. *Acartia (Acanthacartia) chilkaensis* Sewell

*Distribution* : Kolkata (Salt Lake).

58. *Acartia (Acanthacartia) plumosa* T. Scott

*Distribution* : Kolkata (Salt Lake).

59. *Acartiella major* Sewell

*Distribution* : South 24 Pgs. (Gazikhali canal, Sundarban).

60. *Acartiella minor* Sewell

*Distribution* : Kolkata (Salt Lake).

61. *Acartiella tortaniformis* Sewell

*Distribution* : South 24 Pgs. (Chingrighata canal, Uttarbhag, Pirkhali canal, Bidya river, Sundarban).

Family DIAPTOMIDAE

62. *Acrodiaptomus shillongensis* Reddiah

*Distribution* : Nadia (Bhagirathi river, Janaki Nagar, Plassey).

63. *Heliodiaptomus (Heliodiaptomus) viduus* (Gurney)

*Distribution* : South 24 Pgs. (Bhangankhalighat, Canning), Bankura (Bhairabsthan, Bankura Town), Bardhaman (Dobrana Village, Asansol), Kolkata (Museum Tank), Darjiling (Siliguri), Darjiling (Bidhannagar Village), Murshidabad (Berhampore) and Nadia (Janakinagar, Santipur).

64. *Heliodiaptomus (Indodiaptomus) cinctus* (Gurney)

*Distribution* : Bankura (Bishnupur village), Birbhum (Shantiniketan, Bolepur, Rampurhat), Nadia (Bhagirathi river, Palasi, Farakka) and W. Dinajpur (Raiganj).

65. *Heliodiaptomus (Indodiaptomus) contortus* (Gurney)

*Distribution* : South 24 Pgs. (Gosaba), Bardhaman (Asansol), Kolkata (Museum Tank), Darjiling (Nawabganj) and Nadia (Bhagirathi river, Palasi, Santipur).

66. *Neodiaptomus madrasensis* Roy

*Distribution* : South 24 Pgs. (Canning), Bardhaman (Sehara Village, Ambagan Village, Khanda Kosh Village, Chinkuri Village, Asansol) and Nadia (Palasi Village, Farakka).

67. *Neodiaptomus lindbergi* Brehm

*Distribution* : Bardhaman (Khanda Kosh village) and Darjiling (Madhyasatali Village).

68. *Neodiaptomus schmackeri*

(Poppe and Richard)

*Distribution* : Bardhaman (Asansol), Birbhum (Iuri, Bakreswar), Maldah (Piasbari village), Murshidabad (Berhampur) and W. Dinajpur (Raiganj).

69. *Phyllodiaptomus blanci*

(De Guerne and Richard)

*Distribution* : Maldah (Piasbari Village), Murshidabad (Berhampur) and Puruliya (Hura Village, Jhalda, Sindhri Village).

70. *Tropodiaptomus australis* Kiefer

*Distribution* : Kolkata (Hooghly River).

Family PSEUDODIAPTOMIDAE

71. *Pseudodiaptomus annandalei* Sewell

*Distribution* : Kolkata (Chingrighata canal, Salt Lake).

72. *Pseudodiaptomus aurivilli* Cleve

*Distribution* : South 24 Pgs. (Dimond Harbour).

73. *Pseudodiaptomus binghami* Sewell

*Distribution* : South 24 Pgs. (Gazikhali canal, Sundarbans).

74. *Pseudodiaptomus lobipes* Gurney

*Distribution* : South 24 Pgs. (Gazikhali Canal, Sundarban).

75. *Pseudodiaptomus tollingeri* Sewell

*Distribution* : South 24 Pgs. (Canning, Pirkhali canal, Gazikhali canal, Sundarbans) and Medinipur (Tamluk).

Family PONTELLIDAE

76. *Labidocera acuta* Dana

*Distribution* : South 24 Pgs. (Pirkhali canal, Kachia Khal, Sundarbans) and Medinipur (Tamluk).

77. *Labidocera pavo* Dana

*Distribution* : South 24 Pgs. (Kachia Khal, Sundarban).

Order CYCLOPOIDA

Family CYCLOPIDAE

78. *Mesocyclops leuckartii* (Claus)

*Distribution* : South 24 Pgs. (Gazikhali Canal, Sundarbans), Bankura (Bishnupur), Bardhaman (Bardhaman, Chinakuri Village, Asansol), Birbhum (Bakreswar, Santiniketan, Bolpur), Kolkata (Indian Museum Tank), Darjiling (Siliguri), Koch Bihar (Raidhaka river, Baxirhat) and Maldah (Piasbari village).

79. *Microcyclops varicans* (Sars)

*Distribution* : Kolkata.

80. *Paracyclops fimbriatus* (Fischer)

*Distribution* : Kolkata.

Subclass HOPLOCARIDA

Order STOMATOPODA

Superfamily SQUILLOIDEA

Family HARPIOSQUILLIDAE

81. *Harpiosquilla annandalei* (Kemp)

*Distribution* : South 24 Pgs. (Sandheads).

82. *Harpiosquilla harpax* (De Haan)

*Distribution* : South 24 Pgs. (Sandheads).

83. *Harpiosquilla raphidea* (Fabricius)

*Distribution* : South 24 Pgs. (Sagar Island, Kakdweep, Bakkhali, Frasergunj) and Medinipur (Digha beach, Junput).

Family SQUILLIDAE

84. *Alimopsis supplex* (Wood-Mason)

*Distribution* : South 24 Pgs. (Jambudwip, Sundarbans).

85. *Carinosquilla multicarinata* (White)

*Distribution* : South 24 Pgs. (Sundarbans).

86. *Clorida decorata* Wood-Mason

*Distribution* : South 24 Pgs. (Bakkhali, Frasergunj).

87. *Clorida latreillei* Eydoux & Souleyet

*Distribution* : South 24 Pgs. (Sundarban).

**88. *Cloridopsis bengalensis***

(Tiwari &amp; Biswas)

*Distribution* : Medinipur (Junput, Digha beach) and South 24 Pgs. (Jharkhali, Gosaba, Sundarban).

**89. *Cloridopsis immaculata*** (Kemp)

*Distribution* : South 24 Pgs. (Sundarbans, Canning, Sajnakhali, Gosaba, Jhingakhali, Chhota Mollakhali, Matla river, Raimangal river).

**90. *Cloridopsis scorpio*** (Latreille)

*Distribution* : South 24 Pgs. (Frazergunj).

**91. *Dictyosquilla faveolata***

(Wood-Mason)

*Distribution* : South 24 Pgs. (Frazergunj).

**92. *Oratosquilla holoschista*** (Kemp)

*Distribution* : South 24 Pgs. (Frazergunj).

**93. *Oratosquilla inornata*** (Tate)

*Distribution* : South 24 Pgs. (Sandheads).

**94. *Oratosquilla interrupta*** (Kemp)

*Distribution* : South 24 Pgs. (Jambudweep, Bakkhali, Gangasagar) and Medinipur (Digha beach).

**95. *Oratosquilla nepa*** (Latreille)

*Distribution* : South 24 Pgs. (Jambudweep, Sundarban).

**96. *Oratosquilla perpensa*** (Kemp)

*Distribution* : South 24 Pgs. (Sandheads, Hooghly Delta).

**97. *Oratosquilla wood-masoni*** (Kemp)

*Distribution* : South 24 Pgs. (Sagar Island, Sundarban).

**98. *Squilloides gilesi***

*Distribution* : South 24 Pgs. (Sandheads).

Superfamily LYSIOSQUILLOIDEA

Family LYSIOSQUILLIDAE

**99. *Lysiosquilla*** sp.

*Distribution* : South 24 Pgs. (Sandheads).

Family NANNOSQUILLIDAE

**100. *Acanthosquilla acanthocarpus***

(Miers)

*Distribution* : South 24 Pgs. (Sandheads HRM).

**101. *Acanthosquilla dighaensis***

*Distribution* : Medinipur (Digha).

**102. *Acanthosquilla multifasciata***

(Wood-Mason)

*Distribution* : South 24 Pgs. (Sundarban) and Medinipur (Digha).

Order DECAPODA

Section PODOTREMATA

Family DROMIIDAE

**103. *Conchoecetes artificiosus***

(Fabricius)

*Distribution* : South 24 Pgs. (Sandheads).

Family RANINIDAE

**104. *Raninoides personatus*** Henderson

*Distribution* : South 24 Pgs. (Sandheads).

Section EUBRACHYURA

Subsection HETEROTREMATA

Family AETHRIDAE

**105. *Drachiella morum*** (Alcock)

*Distribution* : South 24 Pgs. (Sandheads).

Family CALAPPIDAE

**106. *Calappa lophos*** (Herbst)

*Distribution* : South 24 Pgs. (Gangetic Delta).

**107. *Calappa pustulosa*** Alcock

*Distribution* : South 24 Pgs. (Sandheads).

Family MATUTIDAE

**108. *Ashtoret lunaris*** (Forskål)

*Distribution* : South 24 Pgs. (Gangetic Delta).

**109. *Matuta planipes*** Fabricius

*Distribution* : South 24 Pgs. (Sandheads, Sagar Island, Sundarbans).

**110. *Matuta victor*** (Fabricius)

*Distribution* : Medinipur (Digha coast).

Family CORYSTIDAE

**111. *Jonas indica*** (Chopra)

*Distribution* : South 24 Pgs. (Sandheads).

Family DORIPPIDAE

**112. *Dorippe quadridens*** (Fabricius)

*Distribution* : Medinipur (Digha coast).

113. *Dorippoides facchino* (Herbst)  
Distribution : South 24 Pgs. (Sandheads).
114. *Neodorippe callida* (Fabricius)  
Distribution :  
Family ETHUSIDAE
115. *Ethusa indica* Alcock  
Distribution : South 24 Pgs.  
Family MENIPPIDAE
116. *Menippe rumphii* (Fabricius)  
Distribution : South 24 Pgs. (Sandheads, Bay of Bengal).
117. *Myomenippe hardwickii* (Gray)  
Distribution : South 24 Pgs. (Sandheads, Bay of Bengal).  
Family GECARCINUCIDAE
118. *Barytelphusa cunicularis* (Westwood)  
Distribution : Darjiling (Kalimpong) and Jalpaiguri.
119. *Globitelphusa planifrons* (Bürger)  
Distribution : Jalpaiguri.
120. *Liotelphusa campestris* (Alcock)  
Distribution : Kolkata (Baranagar).
121. *Liotelphusa gageii* (Alcock)  
Distribution : Darjiling (Kurseong).
122. *Liotelphusa laevis* (Wood-Mason)  
Distribution : South 24 Pgs.
123. *Maydelliathelphusa lugubris* (Wood-Mason)  
Distribution : Darjiling (Kalimpong, Teesta Valley, Siliguri), Jalpaiguri (Mahananda River) and Koch Bihar (Duars, Terai).  
Family PARATHELPHUSIDAE
124. *Oziotelphusa aurantia* (Herbst)  
Distribution : South 24 Pgs.
125. *Sartoriana spinigera* (Wood-Mason)  
Distribution : Kolkata (Museum Tank), Jalpaiguri, Koch Bihar and W. Dinajpur (Raigunj).
126. *Spiralothelphusa hydrodroma* (Herbst)  
Distribution : Bankura, Birbhum, Kolkata, Medinipur (Kasain canal) and W. Dinajpur (Raigunj).  
Family SCALOPIDIIDAE
127. *Scalopidia spinosipes* Stimpson  
Distribution : South 24 Pgs. (Sandheads).  
Family IPHICULIDAE
128. *Iphiculus spongiosus* Adams and White  
Distribution : South 24 Pgs. (Sandheads).
129. *Pariphiculus mariannae* (Herklot)  
Distribution : South 24 Pgs. (Sandheads).  
Family LEUCOSIIDAE  
Subfamily EBALIINAE
130. *Arcania erinaceus* (Fabricius)  
Distribution : South 24 Pgs. (Sandheads).
131. *Arcania septemspinosa* (Fabricius)  
Distribution : South 24 Pgs. (Sandheads).
132. *Ixa cylindrus* (Fabricius)  
Distribution : South 24 Pgs. (Sandheads).
133. *Ixa inermis* Leach  
Distribution : South 24 Pgs. (Sandheads HRM).
134. *Myra elegans* Bell  
Distribution : South 24 Pgs. (Sandheads).
135. *Myra fugax* (Fabricius)  
Distribution : South 24 Pgs. (Sandheads).
136. *Philyra globus* (Fabricius)  
Distribution : South 24 Pgs. (Sandheads).  
Subfamily LEUCOSIINAE
137. *Euclosia rotundifrons* (Chopra)  
Distribution : South 24 Pgs. (Sandheads).
138. *Leucosia craniolaris* (Linnaeus)  
Distribution : South 24 Pgs. (Sandheads).
139. *Seulocia rhomboidalis* (De Haan)  
Distribution : South 24 Pgs. (Sandheads).

## Family EPIALTIDAE

140. *Doclea armata* De Haan*Distribution* : South 24 Pgs. (Sandheads).141. *Doclea canalifera* Stimpson*Distribution* : South 24 Pgs. (Sandheads).142. *Doclea hybrida* (Fabricius)*Distribution* : Medinipur (Digha coast).143. *Doclea muricata* (Fabricius)*Distribution* :144. *Doclea ovis* (Fabricius)*Distribution* : South 24 Pgs. (Sandheads).145. *Doclea rissonii* Leach, 1815*Distribution* : South 24 Pgs. (Sandheads).146. *Hyastenus diacanthus* (De Haan)*Distribution* : South 24 Pgs. (Sandheads).147. *Phalangipus longipes* (Linnaeus)*Distribution* : South 24 Pgs. (Sandheads).

## Family HYMENOSOMATIDAE

148. *Neorhynchoplax inachoides*  
(Alcock)*Distribution* : South 24 Pgs. (Port Canning).149. *Neorhynchoplax nasalis* (Kemp)*Distribution* : South 24 Pgs. (Bidyadhari River) and Kolkata (Chingrighata).150. *Neorhynchoplax woodmasoni*  
(Alcock)*Distribution* : South 24 Pgs. (Port Canning).151. *Hymenicoides carteri* Kemp*Distribution* : Haora (Sibpur), North 24 Pgs. (Gobardanga).152. *Trigonoplax unguiformis*  
(De Haan)*Distribution* : South 24 Pgs. (Sundarbans).

## Family PARTHENOPIDAE

153. *Cryptopodia angulata*

H. Milne Edwards &amp; Lucas

*Distribution* : South 24 Pgs. (Bay of Bengal).154. *Enoplolambrus pransor* (Herbst)*Distribution* : South 24 Pgs. (Sundarban).

## Family GALENIDAE

155. *Galene bispinosa* (Herbst)*Distribution* : South 24 Pgs. (Sandheads, Matla River).156. *Halimede fragifer* De Haan*Distribution* : South 24 Pgs.157. *Halimede tyche* (Herbst)*Distribution* : South 24 Pgs. (Sandheads).

## Family PILUMNIDAE

158. *Parapanope euagora* De Man*Distribution* : South 24 Pgs.159. *Benthopanope indica* Stimpson*Distribution* : Kolkata (Salt Lake).160. *Eurycarcinus bengalensis* Deb*Distribution* : South 24 Pgs. (Sundarban).161. *Eurycarcinus natalensis* (Krauss)*Distribution* : South 24 Pgs. (Canning, Gangetic Delta, Sundarban).162. *Eurycarcinus orientalis*  
A. Milne Edwards*Distribution* : South 24 Pgs.163. *Heteropanope glabra* Stimpson*Distribution* : South 24 Pgs.164. *Heteropanope neolaewis* Deb*Distribution* : South 24 Pgs. (Gangetic Delta, Kachuberia).165. *Heteropilumnus ciliatus* (Stimpson)*Distribution* : South 24 Pgs.166. *Typhlocarcinus nudus* Stimpson*Distribution* : South 24 Pgs. (Sandheads).

## Family PORTUNIDAE

167. *Lissocarcinus arkati* Kemp*Distribution* : South 24 Pgs. (Sandheads).168. *Portunus (Achelous) granulatus*  
(H. Milne Edwards)*Distribution* : South 24 Pgs.169. *Portunus (Lupocyclus) gracilimanus* (Stimpson)*Distribution* : South 24 Pgs.



170. ***Portunus (Monomia) gladiator***  
Fabricius  
*Distribution* : South 24 Pgs. (Sandheads).
171. ***Portunus (Portunus) pelagicus***  
(Linnaeus)  
*Distribution* : South 24 Pgs. (Sandheads HRM) and Medinipur (Digha).
172. ***Portunus (Portunus) sanguinolentus*** (Herbst)  
*Distribution* : South 24 Pgs. (Sandheads) and Medinipur (Digha).
173. ***Portunus (Portunus) pubescens***  
(Dana)  
*Distribution* : South 24 Pgs. (Sagar Island).
174. ***Portunus (Xiphonectes) hastatoides*** Fabricius  
*Distribution* : South 24 Pgs. (Sandheads).
175. ***Scylla serrata*** (Forskål)  
*Distribution* : South 24 Pgs. (Bagmara, Bakkhali, Basanti, Bhangaduni Island, Canning, Chhota Mollakhali, Diamond Harbour, Gosaba) and Medinipur (Junput).).
176. ***Scylla tranquebarica*** (Fabricius)  
*Distribution* : South 24 Pgs.
177. ***Charybdis (Charybdis) affinis***  
Dana  
*Distribution* : South 24 Pgs. (Bakkhali) and Medinipur (Junput).
178. ***Charybdis (Charybdis) callianassa***  
(Herbst)  
*Distribution* : South 24 Pgs. (Sandheads).
179. ***Charybdis (Charybdis) feriatus***  
(Linnaeus)  
*Distribution* : South 24 Pgs. (Bakkhali, Jharkhali, Mouth of Hooghly River), Medinipur (Digha coast).
180. ***Charybdis (Charybdis) helleri***  
(A. Milne Edwards)  
*Distribution* : South 24 Pgs. (Sandheads, Gosaba).
181. ***Charybdis (Charybdis) lucifera***  
(Fabricius)  
*Distribution* : Medinipur (Digha coast).
182. ***Charybdis (Charybdis) miles***  
(De Haan)  
*Distribution* : South 24 Pgs. (Sandheads).
183. ***Charybdis (Charybdis) orientalis***  
Dana  
*Distribution* : South 24 Pgs.
184. ***Charybdis (Charybdis) rostrata***  
(A. Milne Edwards)  
*Distribution* : South 24 Pgs. (Piali river, Frasersgunj, Matla River, Bakkhali, Ganga Sagar, Gosaba, Sandheads), Medinipur (Junput).
185. ***Charybdis (Charybdis) variegata***  
(Fabricius)  
*Distribution* : South 24 Pgs. (Sandheads).
186. ***Charybdis (Goniohellenus) truncate*** (Fabricius)  
*Distribution* : South 24 Pgs.
187. ***Charybdis (Goniohellenus) vadorum*** Alcock  
*Distribution* : South 24 Pgs. (Sandheads).
188. ***Thalamita crenata*** (Latreille, 1829)  
*Distribution* : South 24 Pgs. (Sundarbans).  
Family XANTHIDAE
189. ***Liagore erythematica*** Guinot  
*Distribution* : South 24 Pgs. (Sandheads).
190. ***Orphanoxanthus microps*** (Alcock and Anderson)  
*Distribution* : South 24 Pgs. (Bay of Bengal).  
Family GRAPSIDAE
191. ***Metopograpsus latifrons*** (White)  
*Distribution* : South 24 Pgs. (Bhangaduni Island, Sagar Island, Prentice and Luthian Islands).
192. ***Metopograpsus messor*** (Forskål)  
*Distribution* : Kolkata (**Geokhali**), North 24 Pgs. (Basirhat), South 24 Pgs. (Achipur, Raychak, Diamond Harbour, Canning, Bhangonkhali Ghat, Gosaba, Champa river bed, Sagar Island, Prentice and Luthian Islands).
193. ***Pachygrapsus porpinquus*** De Man  
*Distribution* : South 24 Pgs. (Canning, Kakdwip).

## Family SESARMIDAE

194. *Clistocoeloma merguiense*

De Man

*Distribution* : South 24 Pgs. (Matla River, Sagar Island).

195. *Episesarma mederi*

(H. Milne Edwards)

*Distribution* : South 24 Pgs. (Nurpur, Jhingakhali, Canning and other parts of Sundarban, Sagar, Luthian, Jammu and Prentice Islands).

196. *Metasesarma rousseauxii*

H. Milne Edwards

*Distribution* : South 24 Pgs. (Sandheads, mouth of river Hooghly).

197. *Muradium tetragonum* (Fabricius)

*Distribution* : South 24 Pgs. (Lower Bengal, Canning, Sundarban, Sandheads, mouth of river Hooghly).

198. *Neosarmatium smithi*

(H. Milne Edwards)

*Distribution* : South 24 Pgs. (Bagmara Khal).

199. *Parasesarma pictum* (De Haan)

*Distribution* : South 24 Pgs. (Sagar Island).

200. *Parasesarma plicatum*

(Fabricius, 1798)

*Distribution* : North 24 Pgs. (Barrackpur), South 24 Pgs. (Matla River, Uttarbhag).

201. *Perisesarma bidens* (De Haan)

*Distribution* : South 24 Pgs. (Achipur, Nurpur, Diamond Harbour, Kakdwip, Bakkhali, Uttarbhag, Matla Island, Gosaba, Bidya River, Bhangaduni Island, Baghmara, Sajnakhali, Jhingakhali, Sagar, Luthian and Prentice Islands), Kolkata and Medinipur (Digha).

202. *Pseudosesarma edwardsi* (De Man)

*Distribution* : North 24 Pgs. (Basirhat, Palta), South 24 Pgs. (Achipur, Chingrighata, Canning, Falta), Kolkata (Kolkata Maidan) and Medinipur (Tamluk, Kolaghat).

203. *Sesarmoides kraussi*

(De Man)

*Distribution* : South 24 Pgs. (Nurpur).

204. *Sesarmoides longipes*

(Krauss)

*Distribution* : South 24 Pgs. (Bhangonkhali Ghat), Sagar Island.

205. *Sesarmops impressum*

(H. Milne Edwards)

*Distribution* : South 24 Pgs. (Jhingakhali and other parts of Sundarban).

206. *Sesarmops intermedius* (De Haan)

*Distribution* : South 24 Pgs. (Nurpur).

## Family VARUNIDAE

207. *Metaplax crenulata* (Gerstaecker)

*Distribution* : South 24 Pgs. (Frazergunj, Canning, Matla River, Bagmara, Bhangaduni Island, Jhingakhali, Sajnakhali) Sundarban Prentice and Luthian Islands.

208. *Metaplax dentipes* (Heller)

*Distribution* : South 24 Pgs. (Achipur, Nurpur, Diamond Harbour, Kakdwip, Uttarbhag, Canning, Bhangonkhali Ghat, Gosaba, Basanti, Geokhali, Jhingakhali, Canning and other parts of Sundarban), Kolkata and Medinipur (Tamluk, Haldia),

209. *Metaplax distincta*

H. Milne Edwards

*Distribution* : South 24 Pgs. (Jhingakhali and other parts of Sundarbans).

210. *Metaplax indica* H. Milne Edwards

*Distribution* : South 24 Pgs. (Achipur Prentice and Luthian Islands).

211. *Metaplax intermedia* De Man

*Distribution* : South 24 Pgs. (Nurpur, Sagar, Luthian, Prentice and Jammu Islands, Kakdwip, Sandheads HRM, Canning, Basanti, Gosaba, Chota Mollakhali, Sajnakhali and Jhingakhali), Kolkata and Medinipur (Medinipur Town).

212. *Parapyxidognathus deianira*

(De Man)

*Distribution* : Haora (Shibpur) (Ghosh).213. *Ptychognathus dentatus* De Man*Distribution* : North 24 Pgs. (Palta), South 24 Pgs. (Falta, Nurpur, Diamond Harbour, Bakkhali, Uttarbhag), Kolkata and Medinipur (Geokhali).214. *Ptychognathus onyx* Alcock*Distribution* : North 24 Pgs. (Palta), South 24 Pgs. (Nurpur, Falta).215. *Pyxidognathus fluviatilis* Alcock*Distribution* : North 24 Pgs. (Palta), South 24 Pgs. (Sundarbans).216. *Varuna litterata* (Fabricius)*Distribution* : Kolkata (Dhapa), North 24 Pgs. (Palta), South 24 Pgs. (Nurpur, Falta, Roychak, Diamond Harbour, Sagar Island, Sandheads, Uttarbhag, Port Canning, Bhangonkhali Ghat, Sajnakhali, Jhingakhali, Sagar Island) and Medinipur (Tamluk, Haldia).

Family DOTILLIDAE

217. *Dotilla blanfordi* Alcock, 1900*Distribution* : South 24 Pgs. (Kakdwip Lower Long Sand, Sagar and Prentice Islands).218. *Dotilla intermedia* De Man*Distribution* : Sagar Island.219. *Dotilopsis brevitaris* (De Man)*Distribution* : South 24 Pgs. (Harwood Point, Kakdwip, Naraingunj, Namkhana, Jhingakhali, Canning, Champa river bed, South of Pargumti, Gosaba, Lower Long Sand, Sagar, Prentice, Jammu and Luthian Islands).220. *Ilyoplax gangeticus**Distribution* : South 24 Pgs. (Gangetic delta, Chhoto Mollakhali, Gosaba, Canning, Prentice Islands).221. *Ilyoplax stapletoni* (De Man)*Distribution* : South 24 Pgs. (Nurpur), Medinipur (Geonkhali).222. *Scopimera globosa* De Haan*Distribution* : South 24 Pgs. (Sundarbans).223. *Scopimera investigatoris* Alcock*Distribution* : South 24 Pgs. (Sundarbans, Tiger Reserve Area).224. *Scopimera proxima* Kemp*Distribution* : South 24 Pgs. (Sundarbans, Bay of Bengal coast).

Family MACROPHTHALMIDAE

225. *Macrophthalmus**(Macrophthalmus) brevis* (Herbst)*Distribution* : South 24 Pgs. (Harinbari, Sagar Island).226. *Macrophthalmus**(Macrophthalmus) crassipes*

H. Milne Edwards

*Distribution* : South 24 Pgs. (Jharkhali).227. *Macrophthalmus**(Macrophthalmus) sulcatus*

H. Milne Edwards

*Distribution* : Medinipur.228. *Macrophthalmus**(Macrophthalmus) transversus*

(Latreille)

*Distribution* : Medinipur (Haldia), South 24 Pgs. (Sandheads).229. *Macrophthalmus (Mareotis)**depressus* Rüppell*Distribution* : South 24 Pgs. (Gosaba, Sonakhali), Medinipur (Haldia).230. *Macrophthalmus (Mareotis)**pacificus* Dana*Distribution* : South 24 Pgs. (Birajmanir Char, Gosaba).231. *Macrophthalmus (Mareotis)**teschi* Kemp*Distribution* : South 24 Pgs. (Port Canning Pargumti, Jharkhali, Gosaba, Sagar Island).

232. ***Macrophthalmus (Mareotis)***  
***tomentosus*** Souleyet

*Distribution* : South 24 Pgs.

233. ***Macrophthalmus (Paramareotis)***  
***erato*** De Man

*Distribution* : South 24 Pgs. (Sagar Island, Bakkhali).

234. ***Macrophthalmus (Venitus)***  
***dentipes*** Lucas in Guérin-Méneville

*Distribution* : South 24 Pgs. (Sagar Island).

Family OCYPODIDAE

235. ***Ocypode ceratophthalma***  
(Pallas)

*Distribution* : South 24 Pgs. (Sagar Island, Lower Long Sand), Medinipur (Digha coast).

236. ***Ocypode macrocera***  
H. Milne Edwards

*Distribution* : South 24 Pgs. (Sagar Island, Lower Long Sand, Bakkhali, Luthian Island, Champa river bed).

237. ***Ocypode platytarsis***  
H. Milne Edwards

*Distribution* : Medinipur (Digha coast).

238. ***Uca dussumieri***  
(H. Milne Edwards)

*Distribution* : South 24 Pgs. (Sagar Island, Prentice Island, Luthian Island, Champa river bed (Shankarpur), Jharkhali, Bakkhali, Iswaripur near Namkhana, Sagar, Prentice and Luthian Islands).

239. ***Uca rosea*** (Tweedie)

*Distribution* : South 24 Pgs. (Sajnakhali, Basirhat, Gosaba, Port Canning, Jharkhali, Lower Long Island, Luthian, Sagar, Prentice, Jammu Islands), Medinipur (Narayanpur, Tamruk, Digha coast, Haldia).

240. ***Uca vocans*** (Linnaeus)

*Distribution* : South 24 Pgs. (Chemaguri creek, Sagar Island and Gomdi River, Sajnakhali).

241. ***Uca lactea*** (De Haan)

*Distribution* : South 24 Pgs. (Bakkhali beach, Sagar Island, Luthian, Lower Long Sand, Mouth of river Hooghly, Champa river bed (Shankarpur), Medinipur (Haldia, Digha coast).

242. ***Uca triangularis*** (A. Milne Edwards)

*Distribution* : South 24 Pgs. (Jhingakhali, Jharkhali and Bakkhali, Sagar Island, Prentice and Luthian Islands), Medinipur (Digha coast).

Family PINNOTHERIDAE

243. ***Nepinnotheres cardii*** (Bürger, 1895)

*Distribution* : Medinipur (Digha).

244. ***Pinnotheres boniensis***  
Stimpson, 1858

*Distribution* : Medinipur (Digha).

245. ***Pinnotheres mactricola*** Alcock, 1900

*Distribution* : Medinipur (Digha).

Family POTAMIDAE

246. ***Acanthopotamon martensi***  
(Wood-Mason)

*Distribution* : Kolkata (Baranagar), Darjiling (Teesta River) and Medinipur (Kasai canal).

247. ***Eosamon tumidum*** (Wood-Mason)

*Distribution* : Darjiling.

248. ***Himalayapotamon atkinsonianum*** (Wood-Mason)

*Distribution* : Darjiling (Teesta River, Mangpoo, Kurseong).

249. ***Himalayapotamon kooloense***  
(Rathbun, 1904)

*Distribution* : Darjiling (Gopaldhara).

250. ***Lobothelphusa woodmasoni***  
(Rathbun)

*Distribution* : Koch Bihar (Gargaria River, Toofanganj).

251. ***Trichopotamon sikkimense***  
(Rathbun)

*Distribution* : Darjiling (Kurseong, Dow Hill).

## INSECTA : THYSANURA

Phylum	ARTHROPODA
Class	INSECTA
Order	THYSANURA
Suborder	ZYGENTOMA
Superfamily	LEPISMATOIDEA
Family	LEPISMATIDAE

1. ***Ctenolepisma longicaudata*** Escherich

*Distribution* : Bankura (Panchubag, Near Bankura Town), Bardhaman (Dewandighi), Kolkata (Chittaranjan Avenue), Darjiling (Birch Hill), Murshidabad (Hazardwari campus) and North 24 Pgs. (Barrackpore).

2. ***Ctenolepisma ciliata*** (Dufour)

*Distribution* : Bankura (Bhatapur village), Birbhum (Gonpur village), Kolkata (Chittaranjan Avenue), Darjiling (Darjiling Govt. College), Murshidabad (Beldanga, Hazardwari), Puruliya (Ghatiali Hills), Medinipur (Digha) and South 24 Pgs. (Kakdwip).

3. ***Ctenolepisma nigra*** (Oudemans)

*Distribution* : Kolkata.

4. ***Acreotelsa collaris*** (Fabricus)

*Distribution* : Kolkata (Indian Museum Campus) and North 24 Pgs. (Barrackpore).

5. ***Stylifera wygodzinskyi*** Hazra

*Distribution* : Bankura (Bishnupur), Bardhaman (Barddhaman forest), Medinipur (Arabari), Murshidabad (Lalbag) and Puruliya (Matha protected forest).

6. ***Tricholepisma graveleyi*** (Silvestri)

*Distribution* : Kolkata.

7. ***Silvestrella termitophila*** Escherich

*Distribution* : Bankura, Puruliya.

Family ATELURIDAE

8. ***Atelura typhloponis*** Silvestri

*Distribution* : Darjiling (Siliguri).

9. ***Thermobia domestica*** (Packard)

*Distribution* : Kolkata.

## INSECTA : COLLEMBOLA

Phylum ARTHROPODA

Class INSECTA

Order COLLEMBOLA

Suborder ARTHROPLEONA

Family ENTOMOBRYIDAE

Subfamily ENTOMOBRYINAE

1. *Lepidocyrtus (Acrocyrtus) heterolepis* (Yosii)*Distribution* : Haora (Shibpur).2. *Lepidocyrtus (cinctocyrtus) magnificus* Carpenter, 1924*Distribution* : Nadia, North 24 Pgs.3. *Lepidocyrtus caeruleicornis* Bonet*Distribution* : North 24 Pgs.4. *Lepidocyrtus (cinctocyrtus) medius* Schaeffer*Distribution* : Nadia, South 24 Pgs.

Subfamily CYPHODERINAE

5. *Cyphoderus javanus* Börner*Distribution* : Kolkata and Haora (Shibpur).6. *Heteromuricus cercifer* Imms*Distribution* : Kolkata.

Subfamily PARONELLINAE

7. *Callyntrura (Callyntrura) zaheri* Mitra*Distribution* : Darjiling (Ghum).8. *Callyntrura (Handschinphysa) vestita* (Handschin)*Distribution* : Kolkata and Darjiling.9. *Dicranocentroides flavescens* Yosii*Distribution* : Kolkata and Haora (Shibpur).10. *Salina bengalensis* Mitra*Distribution* : Kolkata.11. *Salina javana* Handschin*Distribution* : Kolkata and Darjiling (Ghum).

Suborder SYMPHYPLEONA

Family NEELIDAE

12. *Megalothorax minimus* Willem*Distribution* : Kolkata.

Family SPHYROTHECIDAE

13. *Sphyrotheca gangetica* Yosii*Distribution* : India : Kolkata.

Family ISOTOMIDAE

14. *Ballistrura bengalensis* Yosii*Distribution* : Kolkata, Nadia, South 24 Pgs.15. *Cryptopygus thermophilus* (Axelson)*Distribution* : Kolkata, Nadia, South 24 Pgs.

**INSECTA : DIPLURA**

Phylum ARTHROPODA

Class INSECTA

Order DIPLURA

Family CAMPODEIDAE

1. ***Lepidocampa (Lepidocampa) Juradii***

***bengalensis*** Rani & Mitra, 1977

*Distribution* : Puruliya (Ajodhya Hills).

**INSECTA : ODONATA**

Suborder ZYGOPTERA  
 Family COENAGRIONIDAE  
 Subfamily ISCHNURINAE

**1. *Aciagrion pallidum* Selys**

*Distribution* : Bankura (Bishnupur), Birbhum (Rampurhat), Darjiling, Jalpaiguri (Jainti Hills, Bania forest, Chilapata, Hasimara, Birpara) and W. Dinajpur (Islampur, Raiganj).

**2. *Aciagrion occidentale* Laidlaw**

*Distribution* : Not Known.

**3. *Aciagrion olympicum* Laidlaw**

*Distribution* : Darjiling.

**4. *Ischnura rufostigma rufostigma* Selys**

*Distribution* : Birbhum (Nalhati), Kolkata, Haora, Maldah (Maldah agricultural farm), North 24 Pgs. and Dinajpur (Raiganj).

**5. *Ischnura forcipata* Morton**

*Distribution* : Kolkata.

**6. *Ischnura aurora aurora* (Brauer)**

*Distribution* : Bankura (Gangajalghati, Bishnupur, Simlapal), Barddhaman (Ketugram, Dhatrigram), Birbhum (Sainthia, Bhachapur, Birchandrapur, Mallarpur, Bolpur, Muhmmadbazar), Haora, Jalpaiguri (Hasimara, Joygaon, Hamiltongunge, Alipurduar, Nagrakata), Maldah (Mahadipur), Medinipur (Chilkigarh forest, Keranitola), Murshidabad (Raghunathgunj, Jangipur, Dhan-patnagar, Jiyaganj, Berhampore, Cossimbazar), South 24 Pgs. and W. Dinajpur (Raiganj).

**7. *Ischnura senegalensis* (Ramb)**

*Distribution* : Bankura (Chatna), Kolkata, Haora, Hugli, W. Medinipur (Jhargram) and South 24 Pgs.

**8. *Enallagma parvum* Selys**

*Distribution* : Bankura (Bishnupur, Simlapal, Chhatna, Ranibandh, Sushunia Hills), Barddhaman (Futi Sagar, Dhatrigram, Ramgopalpur), Birbhum (Muhammadbazar,

Sainthia, Bhadrapur, Narayanpur, Mallarpur, Bolpur, Bhadrapur, Birchandrapur, Maureswar), Kolkata, Haora (Uluberia), Jalpaiguri (Rajabhatkhawa), Medinipur (Bhaluk, Sahapur, Paglaghat), South 24 Pgs., W. Dinajpur (Raiganj, Kaliaganj) and Murshidabad (Dhulian).

**9. *Rhodischnura nursei* (Morton)**

*Distribution* : Bankura, Barddhaman, Birbhum, Kolkata, Haora, Hugli, Jalpaiguri, Koch Bihar, Maldah, Medinipur, Murshidabad, Nadia, North 24 Pgs., Puruliya, South 24 Pgs. and Dinajpur.

Subfamily PSEUDAGRIONINAE

**10. *Ceriagrion fallax cerinomelas* Lieftinck**

*Distribution* : Darjiling, Jalpaiguri.

**11. *Ceriagrion olivaceum* Laidlaw**

*Distribution* : Bankura (Ramsagar), Birbhum (Maureswar), Darjiling (Fansidewa), Jalpaiguri (Bania forest, Chilapata, Palasbari, Salpaiguri, Jainti), Koch Bihar (Sonapur) and Murshidabad (Jangipur, Dhanpatnagar, Amasapur).

**12. *Ceriagrion coromandelianum* (Fabricius)**

*Distribution* : Bankura (Bishnupur, Simlapal, Kutumdengra, Sushunia Hills, Joypur, Dhuldanga), Barddhaman (Dhatrigram, Adhrahati, Katwa), Birbhum (Ballavpur, Sainthia, Bolpur, Nalhati), Haora (Mahespur, Jalpai), Jalpaiguri (Kanak shyaguri, Alipurduar, Hasimara), Medinipur (Alal, Digha, Keranitola), Murshidabad (Kodampur, Jiaganj, Dhulian, Cossimbazar), South 24 Pgs. (Lakshikantapur, Bakkhali, Joka, Madhabpur, Baruipur), W. Dinajpur (Raiganj), Maldah (Ratu) and Murshidabad (Dhulian).

**13. *Ceriagrion azureum* (Selys)**

*Distribution* : Darjiling.

**14. *Ceriagrion cerinorubellum* (Brauer)**

*Distribution* : Medinipur (Shamsi).



15. *Pseudagrion hypermelas* Selys  
Distribution : Hugli, Koch Bihar (Mathabhanga) and South 24 Pgs.

16. *Pseudagrion malabaricum* Fraser  
Distribution : Jalpaiguri (Kathambari).

17. *Pseudagrion rubriceps rubiceps*  
Selys  
Distribution : Maldah (Maldah Agri. Farm).

18. *Pseudagrion decorum* (Rambur)  
Distribution : Haora, Maldah (Nishipur, Tulshihata), Medinipur, North 24 Pgs., South 24 Pgs. (Amtala) and Dinajpur (Raiganj).

19. *Pseudagrion microcephalum*  
Rambur  
Distribution : Bankura (Dhaldanga), Kolkata, Haora, Jalpaiguri (Alipurduar), Murshidabad (Moregram, Amaspur), Puruliya, Bankura and South 24 Pgs.

20. *Pseudagrion australasiae* Selys  
Distribution : Birbhum, Kolkata, Haora and South 24 Pgs.

21. *Pseudagrion spencei* Fraser  
Distribution : Jalpaiguri.

Subfamily ARGIINAE

22. *Onychargia atrocyana* Selys  
Distribution : Bankura (Hatipahari), Haora, Hugli, Maldah, Medinipur (Belpahari) and Puruliya.

Subfamily AGRIOCNEMIDINAE

23. *Argiocnemis rubescens rubeola*  
Selys  
Distribution : Kolkata, Darjiling.

24. *Argiocnemis pygmaea* (Rambur)  
Distribution : Bankura (Bishnupur), Bardhaman (Katwa), Birbhum (Balsur, Maureswar), Kolkata, Haora, Jalpaiguri (Dalringpara, Hamiltongunje, Hasimara, Mandabri forest, Chilapata), Koch Bihar (Tufangonj), Maldah (Agri. Farm), Medinipur (Chilkgarh forest), South 24 Pgs. (Rai Dighi, Gobindapur), Dinajpur (Raiganj) and Puruliya (Adra).

25. *Argiocnemis femina* (Brauer)  
Distribution : Not Known.

26. *Argiocnemis lacteola* Selys  
Distribution : Bankura (Taldangra).

27. *Argiocnemis splendidissima* Laidlaw  
Distribution : Jalpaiguri (Raja Bhathkhawa, Kanakshyaguri) and Koch Bihar (Sonarpur).

28. *Argiocnemis aborensis* (Laidlaw)  
Distribution : Jalpaiguri.

29. *Argiocnemis clauseni* Fraser  
Distribution : Not Known.

Subfamily COENAGRIONINAE

30. *Himalagrion exclamazione* Fraser  
Distribution : Darjiling.

31. *Paracercion calamorum dyeri*  
(Fraser)  
Distribution : Haora and Murshidabad (Barhampur, Gorabazar, Jiyaganj).

32. *Paracercion malayanum* (Selys)  
Distribution : Birbhum (Mallarpur) and Kolkata.

Family PLATYSTICTIDAE

Subfamily PLATYSTICTINAE

33. *Protosticta himalaica* Laidlaw  
Distribution : Darjiling.

34. *Drepanosticta polychromatica*  
Fraser  
Distribution : Darjiling (Andheri khola stream, Rangpo).

Family PROTONEURIDAE

Subfamily DISPARONEURINAE

35. *Prodasineura odoneli* (Fraser)  
Distribution : Jalpaiguri.

Family PLATYCNEMIDIDAE

Subfamily PLATYCNEMIDINAE

36. *Copera ciliata* (Selys)  
Distribution : Bankura (Kanchanpur forest), Haora, Hugli and Medinipur.

37. *Copera superplatypes* Fraser  
Distribution : Jalpaiguri.

38. *Copera vittata serapica* (Selys)

*Distribution* : Jalpaiguri (Chilapata, Bani forest).

39. *Copera marginipes* (Rambur)

*Distribution* : Jalpaiguri (Hamiltongunj) and South 24 Pgs. (Batanagar).

Subfamily CALICNEMIDINAE

40. *Coeliccia renifera* (Selys)

*Distribution* : Darjiling.

41. *Calicnemia eximia* (Selys)

*Distribution* : Darjiling (Andheri khola).

42. *Calicnemia pulverulans* (Selys)

*Distribution* : Darjiling.

43. *Calicnemia miniata* (Selys)

*Distribution* : Bankura, Birbhum (Balarpur) and Darjiling (Rangpo).

Superfamily LESTOIDEA

Family CHLOROLESTIDAE

Subfamily MEGALESTINAE

44. *Megalestes irma* Fraser

*Distribution* : Darjiling.

45. *Meglestes major* Selys

*Distribution* : Darjiling.

Family LESTIDAE

Subfamily LESTINAE

46. *Lestes platystyla* (Rambur)

*Distribution* : Kolkata, Jalpaiguri.

47. *Lestes thoracicus* Laidlaw

*Distribution* : Not known.

48. *Lestes viridulus* Rambur

*Distribution* : Medinipur.

49. *Orolestes selysi* McLachlan

*Distribution* : Darjiling.

50. *Indolestes cyaneus* (Selys)

*Distribution* : Darjiling.

Superfamily CALOPTERYGOIDEA

Family AMPHIPTERYGIDAE

Subfamily PHILOGANGINAE

51. *Philoganga montana* (Selys)

*Distribution* : Darjiling.

Family CHLOROCYPHIDAE

52. *Rhinocypha immaculata* (Selys)

*Distribution* : Darjiling.

53. *Rhinocypha trifasciata* (Selys)

*Distribution* : Darjiling.

54. *Rhinocypha cuneata* Selys

*Distribution* : Darjiling.

55. *Rhinocypha fenestrella* Rambur

*Distribution* : Darjiling (Sevok forest).

56. *Rhinocypha quadrimaculata* Selys

*Distribution* : Darjiling (Rangpo) and Jalpaiguri (Jayanti).

57. *Rhinocypha unimaculata* Selys

*Distribution* : Darjiling (Rangpo, Mollikhola).

58. *Rhinocypha ignipennis* Selys

*Distribution* : Darjiling (Rangpo).

Family EUPHAEIDAE

59. *Bayadera indica* (Selys)

*Distribution* : Darjiling.

60. *Bayadera longicauda* Fraser

*Distribution* : Darjiling.

61. *Anisopleura lestoides* Selys

*Distribution* : Darjiling.

62. *Anisopleura comes* Hagen

*Distribution* : Darjiling.

Family CALOPTERYGIDAE

Subfamily CALIPHAEINAE

63. *Caliphaea confusa* Selys

*Distribution* : Darjiling.

Subfamily CALOPTREYGINAE

64. *Vestalis smaragdina smaragdina* Selys

*Distribution* : Darjiling.

65. *Vestalis gracilis gracilis* Rambur

*Distribution* : Darjiling (Sevok forest).

66. *Neurobasis chinensis chinensis* (Linnaeus)

*Distribution* : Darjiling (Sevok forest).

- Suborder ANISOZYGOPTERA  
 Superfamily HETROPHLEBIOIDEA  
 Family EPIOPHLEBIIDAE  
 67. *Epiophlebia laidlawi* Tillyard  
*Distribution* : Darjiling.  
 Suborder ANISOPTERA  
 Superfamily CORDULEGASTEROIDEA  
 Family CORDULEGASTERIDAE  
 Subfamily CORDULEGASTERINAE  
 68. *Neallogaster hermionae* (Fraser)  
*Distribution* : Darjiling.  
 69. *Neallogaster latifrons* (Selys)  
*Distribution* : Darjiling.  
 70. *Anotogaster nipalensis* Selys  
*Distribution* : Darjiling.  
 Subfamily CHLOROGOMPHINAE  
 71. *Chlorogomphus fraseri* St. Quentin  
*Distribution* : Darjiling.  
 72. *Chlorogomphus selysi* Fraser  
*Distribution* : Darjiling.  
 73. *Chlorogomphus preciosus* (Fraser)  
*Distribution* : Darjiling.  
 74. *Chlorogomphus atkinsoni* (Selys)  
*Distribution* : Darjiling.  
 Superfamily AESHNOIDEA  
 Family AESHNIDAE  
 Subfamily BRACHYTRONINAE  
 75. *Oligoaeschna martini* (Laidlaw)  
*Distribution* : Darjiling.  
 76. *Oligoaeschna speciosa* Karube  
*Distribution* : Darjiling.  
 77. *Tetracanthagyna waterhousei*  
 MacLachlan  
*Distribution* : Darjiling and Jalpaiguri.  
 78. *Cephalaeschna orbifrons* Selys  
*Distribution* : Darjiling.  
 79. *Gynacanthaeschna sikkima*  
 (Karsch)  
*Distribution* : Not Known.
80. *Periaeschna unifasciata* Fraser  
*Distribution* : Darjiling.  
 81. *Periaeschna magdalena* Martin  
*Distribution* : Not Known.  
 Subfamily AESHNINAE  
 82. *Anaciaeschna jaspidea* (Burmeister)  
*Distribution* : Kolkata and Jalpaiguri.  
 83. *Anax guttatus* (Burmeister)  
*Distribution* : Kolkata.  
 84. *Anax imperator* Leach  
*Distribution* : Kolkata.  
 85. *Hemianax ehippiger* (Burmeister)  
*Distribution* : Haora and Medinipur.  
 Subfamily BRACHYTRONINAE  
 86. *Polycanthagyna erthromelas*  
 (MacLachlan)  
*Distribution* : Jalpaiguri.  
 87. *Polycanthagyna ornithocephala*  
 MacLachlan  
*Distribution* : Darjiling.  
 88. *Aeshna petalura* Martin  
*Distribution* : Darjiling.  
 Subfamily AESHNINAE  
 89. *Gynacantha o'doneli* Fraser  
*Distribution* : Jalpaiguri.  
 90. *Gynacantha khasiaca* MacLachlan  
*Distribution* : Jalpaiguri.  
 91. *Gynacantha rammohani* Mitra &  
 Lahiri  
*Distribution* : Kolkata.  
 92. *Gynacantha bayadera* Selys  
*Distribution* : Darjiling.  
 93. *Gynacantha albistyla* Fraser  
*Distribution* : Jalpaiguri.  
 94. *Gynacantha dravida* Lieftinck  
*Distribution* : Kolkata and Darjiling.  
 Family GOMPHIDAE  
 Subfamily LINDENIINAE  
 95. *Ictinogomphus angulosus* (Selys)  
*Distribution* : Kolkata.

96. *Ictinogomphus rapax* (Rambur)  
*Distribution* : Kolkata, Darjiling and Puruliya (Bhaldungi Hills).
97. *Ictinogomphus pertinax* Selys  
*Distribution* : Haora.  
 Subfamily GOMPHOIDINAE
98. *Gomphidia williamsoni* Fraser  
*Distribution* : Darjiling.  
 Subfamily GOMPHINAE
99. *Macrogomphus seductus* Fraser,  
*Distribution* : Darjiling, Jalpaiguri.
100. *Macrogomphus montanus* Selys  
*Distribution* : Kolkata, North 24 Pgs. and South 24 Pgs.
101. *Davidius aberrans senchalensis*  
 Fraser  
*Distribution* : Darjiling.
102. *Davidius delineatus* Fraser  
*Distribution* : Darjiling.
103. *Davidius davidi assamensis* Laidlaw  
*Distribution* : Darjiling.
104. *Anormogomphus heteropterus*  
 Selys  
*Distribution* : Maldah (ManikChak), Koch Bihar (Haldibari).
105. *Burmagomphus hasimaricus*  
 Fraser  
*Distribution* : Darjiling, Jalpaiguri.
106. *Burmagomphus sivalikensis*  
 Laidlaw  
*Distribution* : Darjiling and Jalpaiguri.
107. *Asiagomphus o'doneli* (Fraser)  
*Distribution* : Darjiling and Jalpaiguri.
108. *Platygomphus dolabratus* Selys  
*Distribution* : Not Known.
109. *Anisogomphus occipitalis* (Selys)  
*Distribution* : Darjiling and Jalpaiguri.
110. *Anisogomphus bivittatus* (Selys)  
*Distribution* : Darjiling.
111. *Anisogomphus orites* Laidlaw  
*Distribution* : Darjiling.
112. *Merogomphus martini* (Fraser)  
*Distribution* : Darjiling and Jalpaiguri.
113. *Stylogomphus inglisi* Fraser  
*Distribution* : Darjiling.
114. *Phaenandrogomphus aureus*  
 (Laidlaw)  
*Distribution* : Kolkata.
115. *Nepogomphus modestus* (Selys)  
*Distribution* : Darjiling and Jalpaiguri.  
 Subfamily ONYCHOGOMPHINAE
116. *Perissogomphus stevensi* Laidlaw  
*Distribution* : Darjiling.
117. *Paragomphus lineatus* (Selys)  
*Distribution* : Not Known.
118. *Paragomphus lindgreni* (Fraser)  
*Distribution* : Darjiling.
119. *Megalogomphus flavicolor* (Fraser)  
*Distribution* : Darjiling.
120. *Megalogomphus smithi* (Selys)  
*Distribution* : Darjiling.
121. *Onychogomphus biforceps* (Selys)  
*Distribution* : Darjiling.
122. *Onychogomphus risi* (Fraser),  
*Distribution* : Darjiling and Jalpaiguri.
123. *Onychogomphus duaricus* Fraser  
*Distribution* : Darjiling and Jalpaiguri.
124. *Onychogomphus bistrigatus*  
 (Hagen in Selys)  
*Distribution* : Darjiling.  
 Superfamily LIBELLULOIDEA  
 Family CORDULIIDAE  
 Subfamily MACROMIINAE
125. *Epopthalmia vittata vittata*  
 Burmeister  
*Distribution* : Kolkata, Maldah, Koch Bihar (Haldibari).

126. *Macromia moorei* Selys  
Distribution : Darjiling.
127. *Macromia pallida* Fraser  
Distribution : Darjiling and Jalpaiguri.
128. *Macromia flavovittata* Fraser  
Distribution : Darjiling.
129. *Macromia flavocolorata* Fraser  
Distribution : Jalpaiguri (Duars of Bengal, Haldibari tea estate).
130. *Macromia flavicineta* Selys  
Distribution : Darjiling.  
Subfamily IDIONYCHINAE
131. *Idionyx stevensi* Fraser  
Distribution : Darjiling.  
Family LIBELLULIDAE  
Subfamily ONYCHOTHEMISTINAE
132. *Onychothemis testacea ceylanica*  
Ris  
Distribution : Darjiling and Jalpaiguri.  
Subfamily ZYGONYCHINAE
133. *Zygonyxiris davina* Fraser  
Distribution : Darjiling.
134. *Zygonyx iris iris* Fraser  
Distribution : Not known.  
Subfamily TRAMEINAE
135. *Tholymis tillarga* (Fabricius)  
Distribution : Bankura (Joypur), Birbhum (Illambazar), Kolkata, Darjiling (Bagdogra), Haora, Medinipur, Puruliya (Sainik school camp, Puruliya) and Dinajpur.
136. *Zyxomma petiolatum* Rambur  
Distribution : Kolkata, Haora.
137. *Camacinia gigantea* (Brauer)  
Distribution : Not known.
138. *Rhyothemis variegata variegata*  
(Linnaeus)  
Distribution : Birbhum (Ballavpur), Maldah (Parbatidanga) and Puruliya.
139. *Pseudotrimea prateri* Fraser  
Distribution : Darjiling.
140. *Trimea basilaris burmeisteri*  
Kirby  
Distribution : Bankura (Jampuri, Panthasevya), Kolkata and Hugli.  
Subfamily BRACHYDIPLACTINAE
141. *Brachydiplax chalybea chalybea*  
Brauer  
Distribution : Kolkata, W. Medinipur (Jhargram) and South 24 Pgs. (Gobindapur).
142. *Brachydiplax farinosa* Kruger  
Distribution : North 24 Pgs. (Dattapukur), South 24 Pgs.
143. *Brachydiplax sobrina* (Rambur)  
Distribution : Bankura (Kamalpur, Kusumdanga), Barddhaman (Katwa), Haora, Hugli, Maldah (Naimbari, Tulsihata, Ratua), Medinipur (Arabari forest), South 24 Pgs. and Koch Bihar (Haldibari).  
Subfamily LIBELLULINAE
144. *Orthetrum pruinosum neglectum*  
Rambur  
Distribution : Bankura (Khatra), Kolkata, Jalpaiguri (Kathambari) and Medinipur (Keranitala).
145. *Orthetrum sabina sabina* (Drury)  
Distribution : Bankura (Bishnupur, Sushunia Hills), Barddhaman (Katwa), Birbhum (Maureswar), Kolkata, Jalpaiguri (Kathambari, Jayanti), Maldah (Gaur), Medinipur (Jhargram, Medinipur Rly. Stn.), Murshidabad (Amarpur), South 24 Pgs. (Achipur, Budge Budge) and Dinajpur (Raiganj, Rampur).
146. *Orthetrum triangulare triangulare*  
(Selys)  
Distribution : Darjiling, Jalpaiguri.
147. *Orthetrum luzonicum* (Brauer)  
Distribution : Not known.
148. *Orthetrum japonicum internum*  
MacLachlan  
Distribution : Darjiling.
149. *Orthetrum glaucum* (Brauer)  
Distribution : Darjiling (Rangpo).

150. *Nesoxenia lineata* (Selys)  
*Distribution* : Darjiling.
151. *Agrionoptera insignis dorothea*  
 Fraser  
*Distribution* : Darjiling and Jalpaiguri.
152. *Cratilla lineata calverti* Foerster  
*Distribution* : Darjiling.
153. *Amphithemis vacillans* Selys  
*Distribution* : Darjiling and Jalpaiguri.
154. *Lyriothemis bivittata* (Rambur)  
*Distribution* : Darjiling.
155. *Lyriothemis tricolor* Ris  
*Distribution* : Darjiling and Jalpaiguri.
156. *Lyriothemis acigastra* (Selys)  
*Distribution* : Darjiling.  
 Subfamily UROTHEMISTINAE
157. *Aethriamanta brevipennis*  
 (Rambur)  
*Distribution* : Bankura (Kamalpur), Kolkata, Haora, Murshidabad (Dhulian), Medinipur, Bankura (Gangajalghati) and South 24 Pgs.
158. *Urothemis signata signata*  
 (Rambur)  
*Distribution* : Bankura (Kamalpur), Kolkata, Hugli, Maldah (Parbatidanga), Medinipur (Dentom, Chaulia) and South 24 Pgs.
159. *Macrodiplox cora* (Brauer)  
*Distribution* : Kolkata, Haora, North 24 Pgs. and South 24 Pgs.  
 Subfamily SYMPETRINAE
160. *Sympetrum hypomelas* (Selys)  
*Distribution* : Darjiling.
161. *Diplacodes nebulosa* (Fabricius)  
*Distribution* : Bankura (Bishnupur), Kolkata, Medinipur (Belpahari, Keranitala) and South 24 Pgs.
162. *Diplacodes lefebvrei* (Rambur)  
*Distribution* : Barddhaman (Katwa).
163. *Diplacodes trivialis* (Rambur)  
*Distribution* : Bankura (Sushunia), Barddhaman (Katwa), Birbhum (Birchandrapur), Kolkata, Haora (Abhirampur), Jalpaiguri (Chilapata), Maldah (Alal), Medinipur (Belpahari), Murshidabad (Raghunathganj), South 24 Pgs. (Gobindapur) and Dinajpur (Bhatal).
164. *Acisoma panorpoides panorpoides*  
 Rambur  
*Distribution* : Kolkata, Haora, Maldah (Golabganj), Medinipur and South 24 Pgs. (Gobindapur).
165. *Indothemis carnatica* (Fabricius)  
*Distribution* : Jalpaiguri.
166. *Indothemis limbata limbata*  
 (Selys)  
*Distribution* : Darjiling (Sevok forest).
167. *Crocothemis servilia servilia*  
 (Drury)  
*Distribution* : Bankura (Gangajalghati), Barddhaman (Katwa), Birbhum (Illambazar, Rampurhat), Kolkata, Jalpaiguri (Bagracot), Maldah (Manikchak), Medinipur (Haldia), Murshidabad (Cossimbazar, Dayanagar), South 24 Pgs. (Sarberia) and Dinajpur (Fetchpur).
168. *Bradinopyga geminata* (Rambur)  
*Distribution* : Kolkata, Haora, Maldah (Pakuahat), North 24 Pgs. and South 24 Pgs.
169. *Neurothemis tullia tullia* (Drury)  
*Distribution* : Kolkata, Haora, Hugli, Koch Bihar (Dinhata), Maldah, S. Dinajpur (Gangarampur, Pakuahat), Medinipur (Keranitala) and South 24 Pgs.
170. *Neurothemis fulvia* (Drury)  
*Distribution* : Jalpaiguri (Chilapata).
171. *Neurothemis intermedia degener*  
 Selys  
*Distribution* : Jalpaiguri.
172. *Neurothemis intermedia intermedia* (Rambur)  
*Distribution* : Jalpaiguri (Palasbari).
173. *Brachythemis contaminata*  
 (Fabricius)  
*Distribution* : Barddhaman (Katwa), Kolkata, Haora, Koch Bihar (Alipurduar), Maldah

(Katagar), Medinipur (Keranitala, Digha), Murshidabad (Lalbag, Katra Colony, Jangipur, Dhanpat nagar), Nadia, South 24 Pgs. and Dinajpur (Kaliganj).

Subfamily PALPOPLEURINAE

174. *Palpopleura sexmaculata sexmaculata* (Fabricius)

*Distribution* : Darjiling (Sevok forest, Naxalbari).

175. *Pantala flavescens* (Fabricius)

*Distribution* : Birbhum, Kolkata, Haora (Nantia), Jalpaiguri (Chilapata), Medinipur (Keranitala) and Murshidabad (Moregram).

Subfamily TRITHEMISTINAE

176. *Trithemis pallidinervis* (Kirby)

*Distribution* : Birbhum (Maureswar), Kolkata, Haora, Koch Bihar (Natabari), Maldah (Parbatidanga), Puruliya (Jhalda) and Dinajpur (Fatchpur).

177. *Trithemis festiva* (Rambur)

*Distribution* : Darjiling (Sevok forest) and Jalpaiguri (Jayanti).

178. *Trithemis aurora* (Brumeister)

*Distribution* : Bankura (Simlapal), Birbhum (Bhachapur), Darjiling, Jalpaiguri (Rajabhatkhawa) and Dinajpur (Islampur, Chowsia).

Subfamily LIBELLULINAE

179. *Lathrecista asiatica asiatica* (Fabricius)

*Distribution* : Bankura, Kolkata and Puruliya (Jhalda, Ajodhya hills).

180. *Potamarcha congener* (Rambur)

*Distribution* : Bankura (Bishnupur), Birbhum (Eglegram Gopalpur), Kolkata, Haora (Abhirampur), Jalpaiguri (Jainti Hills), Maldah (Chancal), Medinipur (Keranitala, Belpahari) and Murshidabad (Jangipur, Dhanpatnagar).

**INSECTA : PLECOPTERA**

## Family NEMOURIDAE

1. ***Amphinemoura elegans*** Zwick  
*Distribution* : Darjiling (Lopchu, Rimbick-Ramam).
2. ***Amphinemoura luteipes*** Kimmins  
*Distribution* : Darjiling (Jhepi, Singamari-Bharapatea Bung).
3. ***Amphinemoura nigrifrons*** Zwick  
*Distribution* : Darjiling (Tiger hills, Darjiling, Ghum).
4. ***Amphinemoura pulchera*** Zwick  
*Distribution* : Darjiling (Lopchu, Ramam).
5. ***Amphinemoura rahungi*** Aubert  
*Distribution* : Darjiling (Lopchu).
6. ***Indonemoura adunca*** Harper  
*Distribution* : Darjiling (Sandakphu).
7. ***Indonemoura assami*** (Aubert)  
*Distribution* : Darjiling (Lopchu, Kalimpong).
8. ***Indonemoura indica*** (Kimmins)  
*Distribution* : Darjiling (Ghoom).
9. ***Indonemoura shergaoni*** (Aubert)  
*Distribution* : Darjiling (Darjiling, Ramam, Singamsari, Bharapatea Bung).
10. ***Mesonemoura filigera*** (Kimmins)  
*Distribution* : Darjiling (Tiger Hills, Ghum).
11. ***Nemoura magnicauda*** Zwick & Sivee  
*Distribution* : Darjiling (Chimkhona-Ghoom, Tiger. Hills).

## Family PERLIDAE

12. ***Gibosia needhami*** Klapalek  
*Distribution* : Darjiling (Jhepi).
13. ***Neoperla limosa*** Hagen  
*Distribution* : Darjiling (Singla).
14. ***Neoperla lushana*** Wu  
*Distribution* : Darjiling (Lopchu, Ghum).
15. ***Neoperla montivaga*** Zwick  
*Distribution* : Darjiling (Ghum).
16. ***Neoperla perspicillata*** Zwick  
*Distribution* : Darjiling (Jhepi).
17. ***Perla xenocia*** Banks  
*Distribution* : Darjiling (Kalimpong, Kalijhora, Pasokjhora).
18. ***Phenoperla himalayana*** Zwick  
*Distribution* : Darjiling (Lopchu, Jhepi, Lebong).

## Family LEUCTRIDAE

19. ***Rhopalopssole magnicerea*** (Jewett)  
*Distribution* : Darjiling (Sandakphu, Lopchu, Ghum, Srikhola, Rimbik).

## Family PELTOPERLIDAE

20. ***Cryptoperla torva*** Needham  
*Distribution* : Darjiling (Jhepi).
21. ***Cryptoperla pentagonalis***  
Zwick & Sivec  
*Distribution* : Darjiling (Lopchu, Ghum).



## INSECTA : EMBIOPTERA

Phylum ARTHROPODA

Class INSECTA

Order EMBIOPTERA

Family OLIGOTONIDAE

1. ***Aposthonia himalayensis*** (Kapur and Kripalani)

*Distribution* : Dist. not known.

2. ***Oligotoma graveyi*** Kapur and Kripalani

*Distribution* : Dist. not known.

3. ***Oligotoma greeniana*** Enderlein

*Distribution* : Dist. not known.

4. ***Oligotoma humberiana*** (Saussure)

*Distribution* : Dist. not known.

5. ***Oligotoma michaeli*** McLachlan

*Distribution* : Dist. not known.

6. ***Oligotoma minuta*** Mukerji

*Distribution* : Dist. not known.

7. ***Oligotoma montana*** Kapur and Kripalani

*Distribution* : Dist. not known.

8. ***Oligotoma saundersii*** (Westwood)

*Distribution* : Dist. not known.

## INSECTA : ORTHOPTERA

Family TETTIGONIIDAE

1. *Letana despecta* (Brunner)*Distribution* : Darjiling (Darjiling, Teesta River belt).2. *Trigonocorypha unicolor* (Stal)*Distribution* : Puruliya (Ajodhya Hills).3. *Elimaea securigera* Burnner*Distribution* : Nadia (Bethuadohari), Puruliya (Ajodhya Hills, Garh Dhuluswar) and South 24 Pgs. (Raidighi).4. *Allodapa aliena* Brunner*Distribution* : Darjiling.5. *Holochlora indica* Kirby*Distribution* : Barddhaman (Panagarh), Jalpaiguri (Alipurduar), Medinipur (Digha, Sambarpur), Murshidabad (Beldanga) and Nadia (Debgram).6. *Sathrophyllia rugosa* (Linnaeus)*Distribution* : Bankura (Bishnupur), Barddhaman (Damodar river bed), Birbhum (Noorpur), Murshidabad (Murshidabad) and Puruliya (Ayodhya Hills).7. *Sathrophyllia femorata* (Fabricius)*Distribution* : Kolkata.8. *Sanna regalis* (Brunner)*Distribution* : Darjiling (Kurseong).9. *Onomarchus leuconatus* (Serville)*Distribution* : Kolkata.10. *Acanthoprion suspectum* (Burnner)*Distribution* : Kolkata.11. *Meroncidius ochraceous* Stal*Distribution* : Kolkata.12. *Phisis pectinata* (Guerin)*Distribution* : Kolkata.13. *Euhexacentrus annulicornis* Stal*Distribution* : Puruliya (Ayodhya Hills).14. *Xiphidiopsis straminnula* (Walker)*Distribution* : Bankura (Jhilmil), Birbhum (Rampurhat), Darjiling (Fansidewa, Kharibari),

Jalpaiguri (Noorpur), Koch Bihar (Tuanganj), Maldah (Pandua, Gaur), Murshidabad (Berhampore) and South 24 Pgs. (Lakhikantapur).

15. *Mecopoda elongata* (Linnaeus)*Distribution* : Barddhaman (Panagarh), Darjiling (Tista river belt), Medinipur (Belpahari) and Puruliya (Ayodhya Hills).16. *Euconocephalus incertus* (Walker)*Distribution* : Haora (Botanical Garden) and North 24 Pgs. (Barasat).17. *Euconocephalus pallidus*

Redtenbacher

*Distribution* : Barddhaman (Damodar river belt), Kolkata (Kolkata), Koch Bihar (Jorai) and South 24 Pgs. (Canning).

Superfamily TETRIGOIDEA

Family TETRIGIDAE

Subfamily CLADONOTINAE

18. *Oxyphyllum pennatum* Hancock*Distribution* : Darjiling.19. *Epitettix elytratus* Gunther*Distribution* : Darjiling (Kalimpong),

Subfamily SCELIMENINAE

20. *Indoscelimena angulata* (Hancock)*Distribution* : Kolkata.21. *Indoscelimena flavopicta* (Bolivar)*Distribution* : Kolkata.22. *Indoscelimena saussurei* (Hancock)*Distribution* : Kolkata.23. *Criotettix bispinosus* (Dalman)*Distribution* : Kolkata (Kolkata).24. *Eucriotettix aequalis* (Hancock)*Distribution* : Darjiling (Darjiling).25. *Eucriotettix dohertyi* (Hancock)*Distribution* : Darjiling (Goke forest Guest House).

26. *Eucriotettix grandis* (Hancock)  
Distribution : Jalpaiguri (Jayanti river bed).
27. *Eucriotettix pallidus* (Hancock)  
Distribution : Darjiling (Panighata suspension bridge).
28. *Hebarditettix lobatus* (Hancock)  
Distribution : Darjiling (Kurseong, Kalimpong).
29. *Hebarditettix quadratus* (Hancock)  
Distribution : Darjiling (Ghumti, Pashok, Teesta Bazar).
30. *Loxilobus assamus* Hancock  
Distribution : Darjiling (Kurseong).
31. *Loxilobus striatus* Hancock  
Distribution : Kolkata.
32. *Synalibas perplexus* (Hancock)  
Distribution : Darjiling (Rangiroom, Manibhanjan, Ghoombhanjan, Lepchajagat, Tiger Hills).
33. *Synalibas vagans* Gunther  
Distribution : Darjiling.
34. *Thoradonta apiculata* Hancock  
Distribution : Jalpaiguri (Chilapata), South 24 Pgs. (Narendrapur), Dinajpur (Tundidighi).
35. *Thoradonta nodulosa* (Stal)  
Distribution : Birbhum (Illambazar), Kolkata (Maidan tank), Darjiling (Rangpoo, Singhla), Haora (Botanical Garden), Jalpaiguri (Raajabhatkhawa) and Koch Bihar (Chilapata, Adapara, Dhulian).
36. *Thoradonta pruthii* Gunther  
Distribution : South 24 Pgs. (Narendrapur).  
Subfamily METRODORINAE
37. *Bolivaritettix dubius* (Hancock)  
Distribution : Darjiling (Lebong).
38. *Bolivaritettix ghumtianus* (Hancock)  
Distribution : Darjiling (Ghumti, Lebong, Goke forest Rest House).
39. *Bolivaritettix laticeps* (Bolivar)  
Distribution : Darjiling (Ghum).
40. *Bolivaritettix lativertex* (Brunner)  
Distribution : Darjiling.
41. *Bolivaritettix sculputus* (Bolivar)  
Distribution : Darjiling (Sukna).
42. *Bolivaritettix sikkimensis* (Bolivar)  
Distribution : Darjiling (Ghum).
43. *Bolivaritettix singlaensis* (Hancock)  
Distribution : Darjiling (Singla).
44. *Hyboella conioptica* Hancock  
Distribution : Darjiling (Singla).
45. *Hyboella obesa* Hancock  
Distribution : Darjiling (Tindharia, Pashok, Mangpa, Teesta Bazar).
46. *Hyboella tentata* Hancock  
Distribution : Jalpaiguri (Chilapata).
47. *Systolederus graveleyi* Gunther  
Distribution : Darjiling.
48. *Teredorus carmichaeli* Hancock  
Distribution : Darjiling (Rambhi), Jalpaiguri (Chilapata).
49. *Teredorus frontalis* Hancock  
Distribution : Darjiling (Kurseong, Teesta Bazar).
50. *Xistrella dromadaria* Bolivar  
Distribution : Darjiling (Ghum), Jalpaiguri (Bagarcot).
51. *Xistrella inermis* (Hancock)  
Distribution : Darjiling (Ghumti, Mahanady, Pashok, Rangiroom).  
Subfamily TETRIGINAE
52. *Coptotettix annandalei* Hancock  
Distribution : Darjiling (Singla, Kurseong), South 24 Pgs. (Nilganj).
53. *Coptotettix conspersus* Hancock  
Distribution : Darjiling (Chunabati).
54. *Ergatettix callosus* Hancock  
Distribution : Darjiling.
55. *Ergatettix dorsifera* (Walker)  
Distribution : Bankura (Jhilimili, Joypur), Bardhaman (Andal, Asansol), Birbhum

(Ballavpur, Illambazar, Bolpur, Suri), Kolkata (Kolkata), Darjiling (Tiger Hills, Panitanki, Fansidewa), Haora (Bauria), Jalpaiguri (Kathambari, Chilapata), Maldah (Bhaluka station), Medinipur (Chilkigarh, Digha, Sankarpur), Murshidabad (Baharampur), Nadia (Karimpur), North 24 Pgs. (Khardah, ), Puruliya (Bongabari, Arsha, Jhalda), South 24 Pgs. (Narendrapur) and Dinajpur (Gangarampur, Tundidighi).

56. *Ergatettix guntheri* Steinmann

*Distribution* : Bankura (Sonamukhi forest), Barddhaman (Ambika kalna), Birbhum (Bolpur, Bakreshwar), Darjiling (Teesta Bazar), Hugli (Bhadreshwar, Baidyabati), Jalpaiguri (Rajabhatkhawa, Kathambari), Koch Bihar (Chaudhury hat, Kaligunj), Maldah (Sahapur, Kankrajhar forest), Nadia (Bahadurpur), North 24 Pgs. (Barasat), Puruliya (Puncha, Arsha) and South 24 Pgs. (Budge Budge).

57. *Euparatettix histricus* (Stal)

*Distribution* : Bankura (Bishnupur, Sonamukhi, Parthasayar, Jhilmili, Joyrambati, Roypukur), Barddhaman (Ambika-Kalna, Golsi, Bolgona), Birbhum (Bolpur, Suri, Tarapeeth), Kolkata (Stream of Hooghly river, Eden Gardens, Kalighat), Darjiling (Singla, Teesta bazar), Haora (Botanical Garden, Santragachi, Bauria, ), Hugli (Baidyabati), Jalpaiguri (Rajabhatkhawa), Koch Bihar (Chaudhury hat, Mathabhanga Baxirhat, ), Maldah (Agri. farm, Gaur, Nalakhokson, Gopalganj), Medinipur (Belpahari, Jhargram, Kankrajhar forest, Digha, Keyagaria), Murshidabad (Baharampur), Nadia (Krishnanagar, Bahadurpur, Karimpur), North 24 Pgs. (Barasat, Fathepur, Kankinara), Puruliya (Puncha, Chutakidih, Arsha, Jhalda) and South 24 Pgs. (Sonarpur, Santoshpur, Behela, Diamond harbour, Narendrapur).

58. *Euparatettix personatus* (Bolivar)

*Distribution* : Bankura (Sonamukhi forest), Birbhum (Illambazar, Bolpur), Kolkata (Kolkata, Hastings), Darjiling (Himul, Matigarah), Haora (Botanical Garden), Hugli

(Baidyabati), Jalpaiguri (Bagracot, Chilapata), Koch Bihar (Koch Bihar), Maldah (Gopalganj, Harischandrapur, Tulsihata, Bhaluk station), Medinipur (Keyagaria, Digha) and South 24 Pgs. (Diamond Harbour, Budge Budge, Narendrapur).

59. *Euparatettix tenuis* Hancock

*Distribution* : Bankura (Sonamukhi forest, Bishnupur), Barddhaman (Ambika-kalna), Birbhum (Illambazar), Kolkata (Hastings), Haora (Botanical Garden), Maldah (Gopalganj, Bhaluk station), North 24 Pgs. (Datta pukur) and Puruliya (Puruliya).

60. *Hedotettix attenuatus* Hancock

*Distribution* : Barddhaman (Bolgona), Darjiling (Himul, Matigarah, Fansidewa), Jalpaiguri (Teesta river bed, Joygaon, Chilapata), Koch Bihar (Manthabhanga, Baxirhat), Maldah (Gopalganj, Tulsihata) and Medinipur (Sankarpur, Keyagaria).

61. *Hedotettix costatus* Hancock

*Distribution* : Bankura (Bankura), Birbhum (Rampurhat), Kolkata (Kolkata, Garia), Darjiling (Amban, Darjiling), Koch Bihar (Manthanbhanga, Baxirhat), Maldah (Agric.Farm., Parbatidanga), Murshidabad (Baharampur) and Dinajpur (Islampur, Gangarampur).

62. *Hedotettix gracillis* (De Haan)

*Distribution* : Bankura (Bankura, Jhilmili, Bishnupur), Barddhaman (Galsi, Durgapur, Ukhra, Mandal, Asansol), Birbhum (Illambazar, Bolpur, Suri, Bakreshwar, Palitpur), Kolkata (Eden Gardens, Hastings), Darjiling (Panitanki, Darjiling), Haora (Botanical Garden), Hugli (Baidyabati), Jalpaiguri (Teesta river bed, Alipurduar, Kathambari, Bagracot), Koch Bihar (Koch Bihar, Manthanbhanga, Baxirhat), Maldah (Agri. Farm, Maldah, Gopalganj, Harish chandrapur), Medinipur (Belpahari, Jhargram, Chiligarih forest, Chittimati village, Digha), Murshidabad (Amarpur), Nadia (Krishnanagar), Puruliya (Ayodhya, Balrampur, Puncha, Nandwara, Velladih village, Jhalda), South 24

Pgs. (Shyamnagar, Baruipur, Narendrapur, Diamon Harbour) and Dinajpur (Tunidighi).

63. **Hedotettix grossus** Hancock

*Distribution* : Darjiling, Maldah.

64. **Paratettix alatus** Hancock

*Distribution* : Darjiling.

65. **Paratettix curtipennis** (Hancock)

*Distribution* : Darjiling (Singla, Sevok, Mirik, Darjiling) and Koch Bihar (Manthabhanga, Baxirhat).

66. **Paratettix hancockus** (Shishodia & Varshney)

*Distribution* : Darjiling (Ranpo, Kurseong, Lebung), Haora (Botanical Garden, Ulberia), Hugli (Baidyabati), Jalpaiguri (Oodlabari, Jogaon, Chilapata) and South 24 Pgs. (Garia, Narendrapur).

67. **Paratettix rotundatus** Hancock

*Distribution* : Koch Bihar.

68. **Paratettix tricarinatus** Bolivar

*Distribution* : Kolkata (Kolkata) and Hugli (Baidyabati).

Subfamily BATRACHIDEINAE

69. **Saussurella indica** Hancock

*Distribution* : Darjiling.

Superfamily GRYLLOIDEA

Family GRYLLOTALPIDAE

70. **Gryllotalpa africana** Beauvois

*Distribution* : Bankura (Kotulpur), Bardhaman (Katwa, Dhatrigram), Kolkata (Kolkata), Jalpaiguri (Sewak), Medinipur (Gorbata), Murshidabad (Baharampur) and Nadia (Kalyani, Plassey).

71. **Gryllotalpa ornata** Walker

*Distribution* : Darjiling, Murshidabad.

Family GRYLLIDAE

Subfamily GRYLLINAE

72. **Brachytrypes orientalis** (Burmeister)

*Distribution* : Darjiling (Tadah) and Jalpaiguri (Chilapata).

73. **Brachytrypes portentosus** (Lichtenstein)

*Distribution* : Jalpaiguri (Teesta river forest), Koch Bihar (Kaligunj) and Nadia (Kalyani).

74. **Brachytrypes** sp.

*Distribution* : Jalpaiguri (Chilapata).

75. **Gymnogryllus erythrocephalus** (Serville)

*Distribution* : Nadia (Kalyani).

76. **Gymnogryllus minor** Chopard

*Distribution* : Puruliya (Dak-Bungalow compound, Puruliya).

77. **Acheta domesticus** Linne

*Distribution* : Kolkata (Kolkata).

78. **Gryllus bimaculatus** De Geer

*Distribution* : Kolkata (Kolkata), Darjiling (Darjiling), Hugli (Chinsura) and Nadia (Kalyani).

79. **Teleogryllus himalayans** (Chopard)

*Distribution* : Darjiling (Ghumti, Kurseong).

80. **Teleogryllus mitratus** (Burmeister)

*Distribution* : Bankura, Hugli (Chinsura), Maldah (Parbatidanga), Nadia (Plassey, Kalyani) and North 24 Pgs. (Naihati).

81. **Teleogryllus testaceus** (Walker)

*Distribution* : Medinipur (Jhargram, Garbeta) and Nadia (Kalyani).

82. **Modicogryllus blennus** (Saussure)

*Distribution* : Medinipur (Jhargram).

83. **Modicogryllus confirmatus** (Walker)

*Distribution* : Bankura (Sonamukhi forest, Joypur), Birbhum (Illambazar), Maldah (Parbatiganga), Medinipur (Garbeta), Puruliya (Jhalda) and Dinajpur (Raigunj).

84. **Modicogryllus minimus** (Chopard)

*Distribution* : Darjiling.

85. **Plebeiogryllus guttiventris** (Walker)

*Distribution* : Bankura (Bankura, Bishnupur, Sonamukhi forest, Bankura, Unda), Birbhum

(Narayanpur, Palitpur), Jalpaiguri (Alipurduar), Maldah (Chanchal, Gangarampur, Nimbari, Bhaluk station, Parbatidanga), Medinipur (Jhargram, Belpahari, garbeta), Murshidabad, Nadia (Ranaghat, Plassey) and Puruliya (Jhalda).

86. *Melanogryllus carmichaeli*

(Chopard)

*Distribution* : Darjiling (Sukna).

87. *Cophogryllus angustus* (Chopard)

*Distribution* : Darjiling.

88. *Cophogryllus ornatus* (Chopard)

*Distribution* : Darjiling.

89. *Turanogryllus rufoniger* (Chopard)

*Distribution* : Darjiling.

90. *Callogryllus pallidus* Chopard

*Distribution* : Darjiling.

91. *Platygryllus melanocephalus*

(Serville)

*Distribution* : Not Known.

92. *Velarifictorus aspersus* (Walker)

*Distribution* : Kolkata, Darjiling.

93. *Velarifictorus parvus* (Chopard)

*Distribution* : Darjiling.

94. *Velarifictorus sikkimenis*

(Bhowmik)

*Distribution* : Darjiling, Jalpaiguri.

95. *Grylodes sigillatus* (Walker)

*Distribution* : Bankura (Sonamukhi forest, Kanchanpur forest) and Medinipur (Bholabheda).

96. *Loxoblemmus detectus* (Serville)

*Distribution* : Darjiling.

97. *Loxoblemmus equestris* Saussure

*Distribution* : Kolkata (Eden Gardens) and Darjiling (Kalimpong).

98. *Loxoblemmus hamulifer* Chopard

*Distribution* : Maldah (Parbatidanga).

99. *Loxoblemmus macrocephalus*

Chopard

*Distribution* : Jalpaiguri.

100. *Loxoblemmus nigriceps* Chopard

*Distribution* : North 24 Pgs. (Naihati).

101. *Gryllopsis falconneti* (Saussure)

*Distribution* : Darjiling, Jalpaiguri.

102. *Gryllopsis pubescens* Chopard

*Distribution* : Darjiling.

103. *Nemobiodes sukhadae* Bhowmik

*Distribution* : Darjiling, Jalpaiguri.

104. *Itaropsis tenella* (Walker)

*Distribution* : Not known.

105. *Landreva* sp.

*Distribution* : Darjiling (Pashok).

Subfamily NEMOBIINAE

106. *Pteronemobius concolor* (Walker)

*Distribution* : Bankura (Bankura, Joypur), Maldah (Nalakhokson, Nimbari), Medinipur (Jhargram) and Puruliya (Puruliya).

107. *Pteronemobius fascipes* (Walker)

*Distribution* : Bankura (Sonamukhi forest, Unda, Joyrambati, Joypur), Barddhaman (Asansol), Birbhum (Suri), Jalpaiguri (Apalchand forest, Chilapata), Maldah (Maldah), Medinipur (Garbeta, Chikigarh, Shankarpur) and Puruliya (Velladih, Bhaldugri Hill, Jhalda).

108. *Pteronemobius indicus* (Walker)

*Distribution* : Jalpaiguri.

109. *Pteronemobius montanus* Chopard

*Distribution* : Darjiling.

110. *Pteronemobius pantel*

*Chopardorum* Shishodia & Varshney

*Distribution* : Darjiling.

111. *Pteronemobius*

*pantelchopardorum* Shishodia & Varshney

*Distribution* : Darjiling.

112. *Pteronemobius rufipes* Chopard

*Distribution* : Darjiling.

113. *Pteronemobius* (?) *strigipennis*

(Chopard)

*Distribution* : Kolkata, Darjiling.

114. *Pteronemobius taprobanensis*  
(Walker)

*Distribution* : Barddhaman (Asansol) and Jalpaiguri (Palasbari, Oodlabari, Kathambari, Joygaon, Chilapata, Bania forest).

115. *Pteronemobius pantel* Chopardorum  
Shishodia & Varshney

*Distribution* : Darjiling.

116. *Scottiella diverna* Bhowmik

*Distribution* : Darjiling.

117. *Scottiella elongata* Bhowmik

*Distribution* : Darjiling.

118. *Speonemobius decolyi* Chopard

*Distribution* : Darjiling.

Family SCLEROPTERIDAE

119. *Scleropterus coriaceus* (Hann)

*Distribution* : Darjiling (Kalimpong).

120. *Scleropterus variolosus* Chopard

*Distribution* : North 24 Pgs. and South 24 Pgs.

Family CACOPLISTIDAE

121. *Cacoplistes rogenhoferi* (Saussure)

*Distribution* : Kolkata (Kolkata).

Family PHALANGOPSIDAE

122. *Arachnomimus nietneri* (Saussure)

*Distribution* : Darjiling.

123. *Spleuncacris* (?) *annandalei*  
Chopard

*Distribution* : Darjiling.

Family OECANTHIDAE

124. *Oecanthus indicus* Saussure

*Distribution* : Maldah (Gangarampur, Parbatidanga, Bhaluk station), Murshidabad (Khandua village, laigola) and Puruliya (Puncha).

125. *Oecanthus rufescens* Serville

*Distribution* : Kolkata (Kolkata).

Family TRIGONIDIIDAE

126. *Amusurgus lateralis* Chopard

*Distribution* : Kolkata (Kolkata).

127. *Amusurgus oedemeroides* (Walker)

*Distribution* : Kolkata (Kolkata) and Darjiling (Pashok).

128. *Anaxipha longipennis* (Serville)

*Distribution* : Kolkata (Kolkata).

129. *Homoeoxipha lycoides* (Walker)

*Distribution* : Kolkata (Kolkata).

130. *Meticoche pallidinervis* Chopard

*Distribution* : Darjiling.

131. *Paratrigonidium unifasciatum*  
Chopard

*Distribution* : Darjiling.

132. *Trigonidium cicindeloides* Rambur

*Distribution* : Bankura (Simlipal), Barddhaman (Asansol), Birbhum (Illambazar), Jalpaiguri (Bhatkhawa, Alipurduar, Bagracot, Joygaon), Medinipur (Kapra village), Murshidabad (Ajimgunj) and Puruliya (Puruliya).

133. *Trigonidium humberianum*  
(Saussure)

*Distribution* : Barddhaman (Durgapur), Birbhum (Kolkata), Darjiling (Kurseong), Jalpaiguri (Rajabhatkhawa, Joygaon, Alipurduar), Koch Bihar (Toofangunj), Maldah (Agricultural college, Maldah, Gaur), Medinipur (Belpahari, Kakrajhar forest, Kapra village), Murshidabad (Baharampur), Puruliya (Puruliya, Velladih village) and Dinajpur (Islampur, Chowsia).

Family ENEOPTERIDAE

Subfamily PODOSCIRTINAE

134. *Euscyrtus concinnus* (Hann)

*Distribution* : Kolkata (Kolkata).

135. *Eusyrtus hemelytrus* (Hann)

*Distribution* : Jalpaiguri (Chilapata), Medinipur (Medinipur) and Dinajpur (Islampur, Chowsia, Birnagar, Raigunj, Tunidighi).

136. *Madasumma darjilingensis*  
Chopard

*Distribution* : Darjiling.

137. *Madasumma graveleyi* Chopard

*Distribution* : Darjiling.

138. *Patiscus cephalotes* (Saussure)

*Distribution* : Darjiling.

Subfamily ENEOPTERINAE

139. *Xenogryllus carmichaeli* (Chopard)

*Distribution* : Darjiling.

140. *Xenogryllus transversus* (Walker)

*Distribution* : Darjiling.

Subfamily ITARINAE

141. *Itara minor* Chopard

*Distribution* : Darjiling.

Superfamily ACRIDOIDEA

Family PYRGOMORPHIDAE

142. *Atractomorpha crenulata*

(Fabricius)

*Distribution* : Bankura (Indas, Pokarna, Kachanpur, Bishnupur, ), Barddhaman (Barsul, Panagarh, ), Birbhum (Illambazar, Rampurhat), Darjiling (Sonapur, Kharibari), Haora (Shibpur, Bagnan), Jalpaiguri (Alipurduar, Noorpoor), Koch Bihar (Mathabhanga, Toofanganj, Basirhat), Maldah (Pandua, Kachuberia, Adina, Haldibari, Chanchal, Ratua, Gaur, Nimbari), Medinipur (Digha, Junput, Kalabani, Haldia, Belpahari, Bholaveda, Kankrajhore), Murshidabad (Baharampur, Beldanga, Dumkal, Sagardighi, Kashimbazar, Lalgola), Nadia (Debagram, Palpara, Plassey), Puruliya (Koris), South 24 Pgs. (Canning, Ramdharia, Achipur, Lakhikantapur, Joka, Madhabpur) and W. Dinajpur (Islampur).

143. *Atractomorpha burri* Bolivar

*Distribution* : Darjiling (Kurseong).

144. *Atractomorpha himalayica* Bolivar

*Distribution* : Darjiling (Kurseong, Pashok, Siliguri).

145. *Atractomorpha psittacina*  
*psittacina* (De Haan)

*Distribution* : Darjiling (Fansidawa), Jalpaiguri (Kathambari).

146. *Aularches miliaris* (Linnaeus)

*Distribution* : Jalpaiguri (Kathambari).

147. *Chrotogonus* (*Chrotogonus*)  
*trachypterus trachypterus* (Blanchard)

*Distribution* : Bankura (Indas), Birbhum (Bolpur, Dubrajpur, Darmuda), Haora (Meheshpur), Jalpaiguri (Alipurduar, Hatkhola), Koch Bihar (Kochbihar), Maldah (Ramkeli, Naranpur, Maldah), Medinipur (Digha), Murshidabad (Manikchak, Jangipur) and South 24 Pgs. (Jharkhali).

148. *Poecilocerus pictus* (Fabricius)

*Distribution* : Medinipur (Digha).

149. *Pyrgomorpha conica* (Bolivar)

*Distribution* : Medinipur (Garbeta, Digha).

150. *Tagasta indica* Bolivar

*Distribution* : Maldah (Gaur).

Family ACRIDIDAE

Subfamily TRUXALINAE

151. *Dnopherula* (*Aulacobothrus*)  
*decisus* (Walker)

*Distribution* : Not Known.

152. *Dnopherula* (*Aulacobothrus*)  
*luteipus* (Walker)

*Distribution* : Barddhaman (Pallaghat, Barsul), Birbhum (Ballavpur, Illumbazar), Haora (Shibpur) and Nadia (Bethuadahari).

153. *Dnopherula* (*Aulacobothrus*)  
*physopoda* Navas

*Distribution* : Darjiling (Kurseong).

154. *Dnopherula* (*Aulacobothrus*)  
*rubripes* Navas

*Distribution* : Darjiling (Kurseong).

155. *Leva cruciata* Bolivar

*Distribution* : Barddhaman (Kaksa village), Birbhum (Tilapara, Mallarpur), Maldah (Ratua), Medinipur (Bholaveda), Murshidabad (Baharampur, Sagardighi) and Nadia (Plassey).

156. *Leva indica* (Bolivar)

*Distribution* : Bankura (Sushunia), Barddhaman (Durgapur), Birbhum (Bolpur,



Rampurhat), Haora (Bagnan), Maldah (Manikchak, Gangarampur), Murshidabad (Lalbag, Sagardighi) and Puruliya (Ajodhya Hills).

Subfamily ACRIDINAE

157. *Acrida exaltata* (Walker)

*Distribution* : Bankura (Jhilimilli, Sushunia Hills, Sonamukhi forest, Tantipukur, Gopalnagar), Barddhaman (Barddhaman), Birbhum (Nalhati, Chandrapur, Illambazar, Mollarpur, Bolpur, ), Darjiling (Naxalbari, Mirrik, Himul), Haora (Maheshpur), Hugli (Chandannagar), Jalpaiguri (Baribhasa, Bagracot), Maldah (Chanchal), Medinipur (Belpahari, Garbeta, Junput, Digha), Murshidabad (Raghunathganj, Phulbari, Sagardighi), Nadia (Gharanipara, Plapara), Puruliya (Velladihi village, Bhal dangri Hill, Ajodhya Hills) and South 24 Pgs. (Canning, Raidighi).

158. *Acrotylus humbertianus* Saussure

*Distribution* : Bankura (Bishnupur, Indas, Joypur forest, Bishnupur), Birbhum (Dubrajpur, Darunda), Darjiling (Mapong, Sevok), Medinipur (Digha) and Puruliya (Ajodhya Hills).

159. *Acrotylus inficita* (Walker)

*Distribution* : Darjiling, Jalpaiguri.

160. *Aiolopus thalassinus tamulus*  
(Fabricius)

*Distribution* : Bankura (Bishnupur), Barddhaman (Barddhaman), Birbhum (Kachanpur), Darjiling (Naxalbari, Mirrik, Himul), Haora (Shibpur), Hugli (Chandannagar), Jalpaiguri (Hatkhola, Oodlabari forest, Hansimara), Maldah (Ghosimore, Gaur, Samsi), Medinipur (Jhargram, Bholadeva, Grabeta), Nadia (Nakasipara, Swarupganj), Puruliya (Sirkabad) and South 24 Pgs. (Joka, Bakkhali).

161. *Ceracris nigricornis nigricornis*  
(Walker)

*Distribution* : Darjiling, Jalpaiguri.

162. *Chloebora grossa* (Saussure)

*Distribution* : Darjiling.

163. *Ditopternis venusta* (Walker)

*Distribution* : Bankura (Jhotipahari), Birbhum (Dubrajpur, Ballavpur), Darjiling (Bamanpokri, Bhutanghat), Medinipur (Bholaveda, Daighari forest), Murshidabad (Lalbag) and Nadia (Bethuadhuari).

164. *Gastrimargus africans orientalis*  
Sjostedt

*Distribution* : Birbhum (Rampurhat), Darjiling (Panitanki, Naxalbari, Tukriajhar) and Jalpaiguri (Bhutanghat).

165. *Gelastorrhinus laticornis* (Serville)

*Distribution* : Koch Bihar (Baxirhat).

166. *Heteropternis respondens* (Walker)

*Distribution* : Darjiling, Jalpaiguri.

167. *Meristopteryx rotundata* (Walker)

*Distribution* : Darjiling, Jalpaiguri, Koch Bihar.

168. *Morphacris citrina* Kirby

*Distribution* : Birbhum (Rampurhat).

169. *Oedaleus abruptus* (Thunb)

*Distribution* : Bankura (Sushunia, Mukutmanipur, Simlapal, Jhilimilli), Barddhaman (Barsul), Birbhum (Mollarpur), Darjiling (Chunabati, Kharibari), Haora (Jalpai), Hugli (Uttarpara), Jalpaiguri (Nilpara, Kathambari, Hasimara), Maldah (Manikchak, Gaur, Khajuria, Alal), Medinipur (Belpahari, Patpira, Kankyajhar forest, Jhargram), Murshidabad (Azimganj, Sagardighi), Nadia (Bethuadhuari) and Puruliya (Ajodhya Hills, Manbazar, Vaelladih village).

170. *Oedaleus senegalensis* (Krauss)

*Distribution* : Kolkata.

171. *Phaleoba antennata* Brunner

*Distribution* : Jalpaiguri (Teesta river belt, Noorpoor, Kathambari, Mendlabari).

172. *Phaleoba infumata* Brunner

*Distribution* : Darjiling (Chatrihat, Sevok, Kharibari), Jalpaiguri (Kathambari, Hatbaria), Koch Bihar (Jori), Maldah (Gaur, Manikchak), Murshidabad (Barhampur), Nadia (Kaliaganj),

South 24 Pgs. (Jharkhali, Raidighi, Lakhikantpur) and Dinajpur (Islampur).

173. *Phaleoba panteli* Bolivar

*Distribution* : Darjiling (Naxalbari).

174. *Pternoscirta cinctifemur* (Walker)

*Distribution* : Darjiling (Kurseong).

175. *Holopercna drjeelingensis*

(Saussure)

*Distribution* : Darjiling.

176. *Chondronotalus bengalensis*

(Saussure)

*Distribution* : Darjiling, Jalpaiguri.

177. *Sphingonotus longipennis* Saussure

*Distribution* : Darjiling, Jalpaiguri.

178. *Trilophidia annulata* (Thunberg)

*Distribution* : Bankura (Sushunia, Sonamukhi forest), Birbhum (Mollarpur), Darjiling (Bamanpokri, Sukna, Fansidewa, Kahribari), Haora (Ulberia, Shibpur), Hugli (Anantapur), Jalpaiguri (Rydak, Noorpoor, Hansimara), Maldah (Ramkeli, Narayanpur, Haldabari, Farraka, Gaur, Manikchak), Medinipur (Jhargram, Digha, Junput, Belpahari, Bholabeda, Kankrajhor forest), Murshidabad (Beldanga, Baharampur, Dumkal, Jangipur, Lalgola), Nadia (Baluria, Dhubulia, Palassey, Krishnanagar, Ranaghat), Puruliya (Belmura, Jhaldah, Ajodhy Hill, Manbazar) and South 24 Pgs. (Baruipur, Amtala, Achipore, Jharkhali, Lakhikantapur, Madhabpur).

Subfamily HEMIACRIDINAE

179. *Gesonula punctifrons* Stal

*Distribution* : Barddhaman (Asansol, Dhatrigram), Birbhum (Ballavpur), Darjiling (Panitanki, Sevok, Himul), Jalpaiguri (Noorpoor, Alipurduar), Koch Bihar (Baxirhat, Balabhut), Murshidabad (Dumkal, Kashimbazar), Nadia (Balgona), South 24 Pgs. (Govindapur, Deulia) and Dinajpur (Raigunj).

180. *Hieroglyphus banian* (Fabricius)

*Distribution* : Bankura (Chatna, Bishnupur), Barddhaman (Barsul), Nadia (Bethuadahaari), Puruliya (Lorsi) and South 24 Pgs. (Garia).

181. *Hieroglyphus nigrorepletus*  
(Bolivar)

*Distribution* : Not Known.

182. *Hieroglyphus oryzivorous* Carl

*Distribution* : Murshidabad.

183. *Parahieroglyphus bilineatus*  
(Bolivar)

*Distribution* : Not Known.

184. *Leptacris vittata* (Fabricius)

*Distribution* : Darjiling, Jalpaiguri, Koch Bihar.

185. *Spathosternum prasiniferum*  
*prasiniferum* (Walker)

*Distribution* : Bankura (Bishnupur), Barddhaman (Barddhaman, Galsi), Birbhum (Rampurhat), Darjiling (Tindharia, Himul, Panitanki, Sonarpur, Kharibari), Haora (Andul), Jalpaiguri (Joygaon, Binaguri, Hansimara), Koch Bihar (Mathabhanga), Maldah (Khajuria), Medinipur (Digha, Kankrajhor, Jambani), Murshidabad (Raghunathgunj, Amarpur, Sagardighi), Nadia (Kalyani, Habibpur), Puruliya (Velladih village) and South 24 Pgs. (Jharkhali, Raidighi, Kakdwip).

Subfamily OXYINAE

186. *Oxya fuscovittata* (Marschall)

*Distribution* : Barddhaman (Panagarh), Birbhum (Narayanpur), Darjiling (Chatirhat, Fansidewa), Haora (Shibpur), Jalpaiguri (Alipduar, Hansimara), Koch Bihar (Tufangunj, Baxirhat), Maldah (Manikchak, Chanchal), Medinipur (Digha), Murshidabad (Raghunathganj) and South 24 Pgs. (Govindapur).

187. *Oxya hyla hyla* Serville

*Distribution* : Bankura (Sonamukhi, Bishnupur), Barddhaman (Borsul), Birbhum (Bolpur), Darjiling (Panitanki), Haora (Haora, Laotala, Jayan), Jalpaiguri (Noorpoor, Kathambari), Koch Bihar (Tufanganj, Baxirhat), Maldah (Chanchal, Khajuria), Medinipur (Belpahari, Garbeta, Digha), Nadia (Bethuadhuari), Puruliya (Balarampur), South

24 Pgs. (Amtala, Govindapur, Devlia) and Dinajpur (Raiganj, Sonapur).

188. *Oxya nitidula* (Walker)

*Distribution* : Darjiling (Himul), Jalpaiguri (Bagracot, Hansimara), Maldah (Maldah), Medinipur (Sanbarpur forest, Digha), Puruliya (Korsi) and South 24 Pgs. (Lakhikantapur, Joka).

189. *Oxya velox* (Fabricius)

*Distribution* : Darjiling (Fansidewa), Jalpaiguri (Chilapata, Mendabari) and Koch Bihar (Kaligunj).

Subfamily COPTACRIDINAE

190. *Circocephalus indica*

Bhowmik & Halder

*Distribution* : Darjiling (Naxalbari), Jalpaiguri (Jayanti (BTR), Rydak, Mendabari, Chilapata).

191. *Epistaurus sinetyi* Bolivar

*Distribution* : Bankura (Mukutmanipur, Indas), Haora (Shibpur), Medinipur (Bholaveda) and South 24 Pgs. (Achipur).

192. *Eucoptacra praemorsa* Stal

*Distribution* : Bankura (Mukutmanipur), Darjiling (Sevok, Tukriagarh) and Jalpaiguri (Teesta river bed, Jayanti Hills).

Subfamily TROPIDOPOLINAE

193. *Tristria pulvinata* (Uvarov)

*Distribution* : Haora (Haora), Jalpaiguri (Alipurduar), Puruliya (Shahebband) and South 24 Pgs. (Ramdharia, Acihpur, Govindapur).

Subfamily CALLIPTAMNAE

194. *Peripolus pedarius* (Stal)

*Distribution* : Darjiling.

Subfamily EYPREPOCNEMIDINAE

195. *Choroedocus robustus* (Serville)

*Distribution* : Darjiling (Naxalbari) and Jalpaiguri (Bhutanghat, Chailapata).

196. *Eupreponotus inflatus* Uvarov

*Distribution* : Kolkata, Darjiling (Bamanpokri), Haora (Sankrail) and South 24 Pgs. (Garia).

197. *Eyprepocnemis alacris alacris*

(Serville)

*Distribution* : Barddhaman (Kaichak), Birbhum (Rampurhat), Darjiling (Sukna, Himul), Jalpaiguri (Nilpara), Maldah (Gosaimor), Medinipur (Belpahari) and South 24 Pgs. (Canning).

198. *Heteracris pulchra* (Bolivar)

*Distribution* : Darjiling (Naxalbari), Haora (Shibpur), Koch Bihar (Falacata) and Maldah (Gaur).

199. *Tylotropidius varicornis* (Walker)

*Distribution* : Darjiling (Sevok) and Jalpaiguri (Teesta river bed).

Subfamily CATANTOPINAE

200. *Catantops pinguis innotabilis*

(Walker)

*Distribution* : Bankura (Dhaldanga), Darjiling (Naxalbari, Mirik), Koch Bihar (Mathabhanga) and Medinipur (Belpahari, Kankrajhor forest, Keyajaria).

201. *Catantops erubescens* (Walker)

*Distribution* : Darjiling and Jalpaiguri.

202. *Gerenia bengalensis*

Bhowmik & Halder

*Distribution* : Darjiling, Jalpaiguri.

203. *Mesambria dubia* (Walker)

*Distribution* : Darjiling.

204. *Paraconophyma scabra* (Walker)

*Distribution* : Barddhaman.

205. *Xenocatantops humilis humilis*

(Serville)

*Distribution* : Darjiling (Sukna), Jalpaiguri (Bagracot, Chilapata, Noorpoor) and Koch Bihar (Mathabhanga).

Subfamily CYRTCANTHACRIDINAE

206. *Chondracris rosea* (De Geer)

*Distribution* : Darjiling (Fansidewa), Jalpaiguri (Kathambari), Koch Bihar (Balabhut) and Medinipur (Jhargram).

207. ***Cyrtacanthacris tatarica***

(Linnaeus)

*Distribution* : Bankura (Bishnupur, Jhilimilli), Darjiling (Bijanbari, Naxalbari), Koch Bihar (Tufanganj), Maldah (Chanchal), Medinipur (Jhargram, Junput forest) and Puruliya (Bhaldongri).

208. ***Pachyacris vinosa*** (Walker)

*Distribution* : Darjiling and Jalpaiguri.

209. ***Pantanga succincta*** (Johansson)

*Distribution* : Nadia (Bethuaduari).

210. ***Patanga (Patanga) japonica***

(Bolivar)

*Distribution* : Darjiling.

## INSECTA : DERMAPTERA

Super family PYGIDICRANOIDEA

Family PYGIDICRANIDAE

Subfamily PYGIDICRANINAE

Genus CRANOPYGIS

Burr, 1908

1. ***Cranopygis picta***

(Guerin-Meneville, 1939)

*Distribution* : Birbhum (Singur) and Kolkata.

2. ***Cranopygis constricta*** (Hincks, 1955)

*Distribution* : Darjiling (Chunabati) and Jalpaiguri.

Subfamily DIPLATYIMAE

3. ***Paradiplatys gladiator*** (Burr)

*Distribution* : Kolkata (Kolkata maidan) and Maldah (Nishipur, Katagar, Sodhpur).

4. ***Diplatys brindleyi*** Steinmann

*Distribution* : Darjiling.

5. ***Diplatys sinuatus*** Hincks

*Distribution* : Maldah (Alal).

6. ***Haplodiplatys siva*** (Burr)

*Distribution* : Darjiling.

7. ***Haplodiplatys kurseongensis***

Srivastava

*Distribution* : Darjiling (Kurseong).

8. ***Haplodiplatys bhowmiki***

(Srivastava & Saha)

*Distribution* : Darjiling (Jorpokhori).

9. ***Haplodiplatys bidentatus***

(Hincks)

*Distribution* : Darjiling.

10. ***Haplodiplatys chinensis*** (Hinks)

*Distribution* : Darjiling (Ghoom Bhanjang).

11. ***Haplodiplatys stemmleri***

(Brindle)

*Distribution* : Darjiling (Ghoom Bhanjang).

12. ***Haplodiplatys rileyi*** (Hincks)

*Distribution* : Darjiling (Kurseong).

13. ***Haplodiplatys urbanii*** (Brindle)

*Distribution* : Darjiling (Jhepi).

14. ***Haplodiplatys rufescens*** (Kirby)

*Distribution* : Darjiling.

15. ***Haplodiplatys lobatus*** Srivastava

*Distribution* : Darjiling (Rongbong).

Subfamily ECHINOSOMATINAE

16. ***Echinostoma convolutum***

Hincks, 1959

*Distribution* : Darjiling (Rangpo).

17. ***Echinostoma dentiferum*** Borelli, 1912

*Distribution* : Darjiling (Bamanpokri, Gorubathan, Kalijhora, Reang, Nazeok, Rambhi) and Jalpaiguri (Chapramari Sanctuary, Madarihat, Hasimara).

18. ***Parapsalis infernalis*** (Burr), 1913

*Distribution* : Darjiling (Bhuttabari, Samsing, Jhalung, Dangi).

Superfamily ANISOLABOIDEA

Family ANISOLABIDIDAE

Subfamily ANISOLABIDINAE

19. ***Aborolabis pervicina*** (Burr, 1913)

*Distribution* : Darjiling (Singla Bazar, Singla) and Jalpaiguri (Jainti).

20. ***Anisolabis bhowmiki***

Srivastava, 1991

*Distribution* : Darjiling (Sonada).

21. ***Anisolabis deplanata*** Srivastava

*Distribution* : Darjiling (Sivok).

22. ***Euborellia annulipes*** (Lucas, 1837)

*Distribution* : Darjiling (Darjiling), Jalpaiguri (Jainti), Maldah (Alal), Medinipur (Mahishadal, Contai, Junput) and Puruliya (Jhalda, Manbazar, Biramdih).

23. ***Euborellia compressa*** (Borelli, 1907)

*Distribution* : Bankura (Amtala more), Medinipur (Digha) and Puruliya (Chutakidh).

24. ***Euborellia annandalei*** (Burr, 1906)

*Distribution* : Darjiling (Bamanpokri, Chunabati).

25. ***Euborellia annulata*** (Fabricius, 1793)  
*Distribution* : Kolkata (Talapark, Kankurgachi, Bagmari area) and Medinipur (Contai).  
 Subfamily BRACHYLABIDINAE
26. ***Metisolabis caudelli*** (Burr, 1908)  
*Distribution* : Darjiling (Kurseong, Teesta, Tigerhill).
27. ***Brachylabis formicoides*** (Burr, 1911)  
*Distribution* : Darjiling (Kalimpong).  
 Family LABIDURIDAE  
 Subfamily NALINAE
28. ***Nala lividipes*** (Dufour, 1802)  
*Distribution* : Bankura (Sabanpur, Amarkanan, Ranibandh, Sonamukhi), Birbhum (Suri, Ballavpur), Darjiling (Kalimpong, Chunabati), Maldah (Parbatidanga, Nimbari, Dhulian, Tulsihata, Nishipur), Puruliya (Ueladih, Nandwara) and South 24 Pgs. (Diamond Harbour).
29. ***Nala nepalensis*** (Burr, 1907)  
*Distribution* : Darjiling (Mongpong, Jhepi).  
 Subfamily LABIDURINAE
30. ***Labidura riparia*** (Pallas)  
*Distribution* : Bankura (Kotilput), Maldah (Pakuahat, Harischandrapur), Puruliya (Valadih village, Nandwara, Hura) and South 24 Pgs. (Kakdwip).
31. ***Forcipula indica*** Brindle, 1966  
*Distribution* : Darjiling (Rambi, Nazeok, Pashok, Nayabazar).
32. ***Forcipula abbreviata*** Srivastava, 1986  
*Distribution* : Darjiling (Pashok, Darjiling).
33. ***Forcipula quadrispinosa*** (Dohrn, 1863)  
*Distribution* : Darjiling (Chunabati).
34. ***Forcipula trispinosa*** (Dohrn, 1863)  
*Distribution* : Darjiling (Chunabati, Nazdok, Khumbani, Sombarihat, Rambi, Mongpong, Pashok, Rangton).
- Subfamily APACHYOIDEA  
 Family APACHYIDAE  
 Subfamily APACHYINAE
35. ***Apachyus feae*** Bormans, 1894  
*Distribution* : Darjiling (Kalijhora, Thurbo).  
 Superfamily FORFICULOIDEA  
 Family LABIIDAE  
 Subfamily IRDEXINAE
36. ***Irdex nitidipensis*** (Bormans)  
*Distribution* : Darjiling (Khumani forest, Samsing, Jhalung, Kalimpong, Rangpo).  
 Subfamily SPONGIPHORINAE
37. ***Apovostox stella samsingensis*** Srivastava  
*Distribution* : Darjiling (Lopchu).
38. ***Apovostox burri*** (Srivastava)  
*Distribution* : Darjiling (Kurseong).  
 Subfamily LABIINAE
39. ***Marava arachidis*** (Yersin)  
*Distribution* : Birbhum (Tarapith), Kolkata (Kolkata).
40. ***Spongovostox mucronatus*** (Stal)  
*Distribution* : Darjiling (Lodhama).
41. ***Spongovostox semiflavus*** (Bormans)  
*Distribution* : Darjiling (Rambi, Khumani, Jhalung, Teesta, Gorubathan, Sukna, Kalijhora) and Jalpaiguri (Rajabhatkhawa).  
 Subfamily HOMOTAGINAE
42. ***Homotages feae*** (Bormans)  
*Distribution* : Darjiling (Darjiling Botanical Garden).  
 Subfamily LABIINAE
43. ***Chaetospania kurseongae*** Hebard  
*Distribution* : Darjiling (Kurseong).
44. ***Chaetospania feae*** Bormans  
*Distribution* : Darjiling (Samsing).
45. ***Chaetolabia bihastata*** (Borg)  
*Distribution* : Darjiling (Khumania forest, Dalingkot, Thumthangkhol, Singla, Chunabhati, Jhalung).

46. *Labia minor* (Linnaeus)

*Distribution* : Kolkata (Zoological Garden), Darjiling (Kurseong, Kalimpong), Haora (Sibpur).

47. *Paralabella curvicauda*  
(Motschulsky, 1863)

*Distribution* : Darjiling (Khumani forest, Gorubathan, Samsing, Rambhi, Sukna, Singla, Rangpo) and South 24 Pgs. (Canning, Sonadanga, Manichak).

48. *Paralabella fulleri* Ramamurthi

*Distribution* : Darjiling.

Family CHELISOHIDAE

Subfamily CHELISOCHINAE

49. *Proreus tezpurensis* (Srivastava)

*Distribution* : Nadia (Raghunathpur).

50. *Proreus abdominalia* Rammurthi

*Distribution* : Kolkata (Eden Gardens) and Medinipur (Kharagpur, Mahisadal).

51. *Adiathetus glaucopterus* (Bormans)

*Distribution* : Darjiling (Sombarihat, Lodhama).

52. *Laprophorella kervillei* (Burr)

*Distribution* : Kolkata (Dum Dum), Haora, Darjiling (Kurseong, Singla), Hugli (Chandannagar) and North 24 Pgs. (Barasat).

53. *Hamaxas feae* (Bormans)

*Distribution* : Darjiling (Singhla Bazar).

54. *Hamaxas melanocephalus* (Dohrn)

*Distribution* : Kolkata (Indian Museum premises).

Family FORFICULIDAE

55. *Liparura punctata* (Burr)

*Distribution* : Darjiling (Rangirun, Sukiapokri, Hima falls).

56. *Liparura dentata* Srivastava

*Distribution* : Darjiling (Reseium forest).

Subfamily COSMIELLINAE

57. *Liparura debrepaniensis* Kapoor,  
Bhardwaj & Banerjee

*Distribution* : Darjiling (Takadah, Debrapani).

Subfamily OPISTHOCOSMIINAE

58. *Timomenus brahma* (Burr)

*Distribution* : Darjiling.

59. *Timomenus lugens* (Bormans)

*Distribution* : Darjiling (Kalimpong).

60. *Eparchus insignis* (Hann)

*Distribution* : Darjiling (Rambi, Tindharia, Mahanandi, Kurseong).

61. *Eparchus simplex* (Bormans)

*Distribution* : Darjiling (Reseium forest).

62. *Hypurgus humeralis* (Kirby)

*Distribution* : Jalpaiguri (Banarhat).

Subfamily ANECHURINAE

63. *Pterygida Vishnu* (Burr)

*Distribution* : Darjiling (Manibhanjang, Rangiroon).

Subfamily ALLODOBLIINAE

64. *Allodahlia ahrimanes* (Burr)

*Distribution* : Darjiling (Deem).

65. *Allodahlia coriacea* (Bormans)

*Distribution* : Darjiling (Kurseong, Kalimpong).

66. *Allodahlia scabriuscula* (Serville)

*Distribution* : Darjiling (Samsing).

Subfamily ANECHURINAE

67. *Anechura biswasi* Srivastava

*Distribution* : Darjiling (Birch Hill).

Subfamily FORFICULINAE

68. *Forficula cirstata* Srivastava

*Distribution* : Darjiling.

69. *Forficula wittmeri* Srivastava

*Distribution* : Darjiling.

70. *Forficula genitalia* Kapoor

*Distribution* : Darjiling.

71. *Forficula interrogans* (Burr)

*Distribution* : Darjiling (Kurseong).

72. *Forficula mogul* Burr

*Distribution* : Darjiling (Ghoom, Birch Hill).

73. ***Forficula beelzebub*** (Burr)

*Distribution* : Darjiling (Tindharia, Mirik, Bedekhasmahal).

74. ***Forficula beebei*** Burr

*Distribution* : Darjiling (Sandakphu, Tonglu).

75. ***Forficula tawangensis*** Srivastava

*Distribution* : Darjiling (Takdah, Mirik, Lava).

76. ***Forficula lucens*** Brindle

*Distribution* : Darjiling (Jhepi).

77. ***Forficula planicollis*** Kirby

*Distribution* : Darjiling (Lopchu, Debrapani, Rangirun, Tindharia Gorabari, Rambi, Tonglu).

78. ***Forficula bhutanensis*** Brindle

*Distribution* : Darjiling (Sandakphu, Tonglu).

79. ***Forficula schlagintweiti*** (Burr)

*Distribution* : Darjiling (Sandakphu, Tonglu, Rangiroon).



## INSECTA : EPHEMEROPTERA

Family BAETIDAE

1. *Baetidae tigroides* Gillies

*Distribution* : Jalpaiguri (Jaintia), Darjiling.

2. *Baetis thurbonis* Gillies

*Distribution* : Jalpaiguri (Buxa duar, Jaintia), Darjiling.

3. *Baetis solitaries* Gillies

*Distribution* : Jalpaiguri (Sobhaganj, Jaintia, New Alipurduar), Darjiling.

4. *Coloeon kimminsi* Hubbard

*Distribution* : Bankura (Bishnupur), Birbhum, Bardhaman, W. Dinajpur (Rampurhat), Kolkata (Eden Gardens), Jalpaiguri, (Alipurduar, Bhaktigarh). Birbhum, North 24 Pgs., South 24 Pgs., Medinipur, Nadia, Puruliya.

5. *Coloeon bicolor* Kimmins

*Distribution* : Bankura (Bishnupur), W. Dinajpur (Bhrtow) Bardhaman (Ramgopalpur), Kolkata (Eden Gardens), Jalpaiguri, (Shovaganj, New Alipurduar), Birbhum, North 24 Pgs., South 24 Pgs., Medinipur, Nadia, Puruliya.

6. *Coloeon bengalense* Kimmins

*Distribution* : Bankura (Bishnupur), W. Dinajpur (Timidighi), Kolkatta (Eden Gardens), Jalpaiguri, (Jaintia), Birbhum, Bardhaman, North 24 Pgs., South 24 Pgs., Maldah, Medinipur, Nadia, Puruliya.

7. *Coloeon variegatum* Chopra

*Distribution* : Kolkata, North 24 Pgs., South 24 Pgs., Bankura, Maldah (Nishipur), Jalpaiguri, Medinipur.

8. *Coloeon marginal* (Hagen)

*Distribution* : Maldah (Mucha), Kolkata

(Eden Gardens), North 24 Pgs., South 24 Pgs., Jalpaiguri.

9. *Cprocloeon harveyi* Kimmins

*Distribution* : Kolkata, North 24 Pgs., South 24 Pgs., Bankura, Jalpaiguri.

10. *Pseudocoloeon inoponium* Gillies

*Distribution* : Murshidabad (Plassey), Jalpaiguri, Darjiling.

Family CAENIDAE

11. *Caenis picea* Kimmins

*Distribution* : Kolkata (Baranagar).

12. *Caenis picea* Kimmins

*Distribution* : Darjiling.

13. *Caenis perpusilla* Walker

*Distribution* : North 24 Pgs. (Eden Gardens), Puruliya (Velladih, Shillage), Jalpaiguri (Alipurduar).

Family HEPTAGENIIDAE

14. *Ecdyonurus bengalensis* Ulmer

*Distribution* : Jalpaiguri (Alipurduar, Jaintia), Darjiling.

Family LEPTOPHLEBIIDAE

15. *Isca (Isca) purpurea* Gillies

*Distribution* : Kolkata, North 24 Pgs., South 24 Pgs., Bankura, Maldah (Nishipur), Jalpaiguri, Medinipur.

16. *Gilliensia hindustanica* (Gukkues)

*Distribution* : Jalpaiguri (Alipurduar, Buxaduar, Jaintia), Darjiling

Family PALINGENIIDAE

17. *Anagenesia minor* (Eaton)

*Distribution* : Jalpaiguri (Jaintia), Maldah (Sakaghat), Kolkata.

## INSECTA : MANTODEA

- Family AMORPHOSCELIDAE  
Subfamily AMORPHOSCELINAE
1. ***Amorphoscelis annulicornis*** Stål  
*Distribution* : Medinipur (Jhargram), Nadia (Ranaghat).
- Family HYMENOPODIDAE  
Subfamily ACROMANTINAE  
Tribe ACROMANTINI
2. ***Anaxarcha acuta*** Beier  
*Distribution* : Darjiling (Takdah).
3. ***Ephestiasula amoena*** (Bolivár)  
*Distribution* : Nadia (Bethuadohori).
4. ***Euantissa pulchra*** (Fabricius)  
*Distribution* : Medinipur (Arabari forest), Nadia (Ranaghat).
5. ***Heliomantis elegans*** (Navás)  
*Distribution* : Darjiling (Darjiling).
6. ***Hestiasula inermis*** (Wood-Mason)  
*Distribution* : Darjiling (Rhenoch).
- Subfamily HYMENOPODINAE  
Tribe HYMENOPODINI
7. ***Creobroter apicalis*** (Saussure)  
*Distribution* : Kolkata (Kolkata).
8. ***Creobroter laevicollis*** (Saussure)  
*Distribution* : Kolkata (Kolkata), Darjiling (Darjiling), Hugli (Serampur), Maldah (Maldah).
9. ***Creobroter urbanus*** (Fabricius)  
*Distribution* : Jalpaiguri (Jalpaiguri).
- Family MANTIDAE  
Subfamily TARACHODINAE
10. ***Dysaules longicollis*** Stål  
*Distribution* : Bankura, Bardhaman, Birbhum, Kolkata, Darjiling, Haora, Hugli, Jalpaiguri, Koch Bihar, Maldah, Medinipur, Murshidabad, Nadia, North 24 Pgs., Puruliya, South 24 Pgs. and W. Dinajpur.
- Subfamily CALIRIDINAE
11. ***Leptomantella (Leptomantella) indica*** (Giglio-Tos)  
*Distribution* : Darjiling.
12. ***Leptomantella (Leptomantella) montana*** (Beier)  
*Distribution* : Darjiling (Garubathan).
- Family IRIDOPTERYGIDAE  
Subfamily NANOMANTINAE  
Tribe NANOMANTINI
13. ***Prananomantis brevis*** Mukherjee  
*Distribution* : Medinipur (Jhargram).
- Subfamily TROPIDOMANTINAE  
Tribe TROPIDOMANTINI
14. ***Tropidomantis (Eomantis) guttatipennis*** (Stål)  
*Distribution* : Darjiling.
- Family MANTIDAE  
Subfamily NANOMANTINAE  
Tribe OXYOTHESPINI
15. ***Heterochaetula tricolor*** (Wood-Mason)  
*Distribution* : Kolkata.
- Subfamily SCHIZOCEPHALINAE
16. ***Schizocephala bicornis*** (L.)  
*Distribution* : Nadia (Bethuadohori).
- Subfamily AMELINAE  
Tribe AMELINI
17. ***Amantis subirina*** Giglio-Tos  
*Distribution* : Darjiling (Rangipoom).
18. ***Amantis biroï*** Giglio-Tos  
*Distribution* : South 24 Pgs. (Kalikapur).
19. ***Amantis bolivarii*** Giglio-Tos  
*Distribution* : Darjiling.
20. ***Amantis fumosa*** Giglio-Tos  
*Distribution* : Darjiling.
21. ***Amantis testacea*** Werner  
*Distribution* : Darjiling.

22. *Gonypetyllis semuncialis*

Wood-Mason

*Distribution* : Medinipur.

Subfamily PARAMANTINAE

Tribe PARAMANTINI

23. *Hierodula patellifer patellifer*

(Serville-Audinet)

*Distribution* : Birbhum.24. *Hierodula unimaculata* (Olivier)*Distribution* : Kolkata.25. *Rhombodera butleri* Wood-Mason*Distribution* : Darjiling (Singla).

Subfamily MANTINAE

Tribe POLYSPILLOTINI

26. *Tenodera aridifolia* (Stål)*Distribution* : Darjiling (Tukvar Tea Estate).27. *Tendoera fasiata* (Oliver)*Distribution* : Kolkata, Nadia (Bethuadohori), North 24 Pgs. (Khardah).

Tribe MANTINI

28. *Mesopteryx platycephala* (Stål)*Distribution* : Darjiling.29. *Mantis religiosa religiosa* L.*Distribution* : Bardhaman, South 24 Pgs. (Narendrapur).30. *Statilia nemoralis* (Saussure)*Distribution* : South 24 Pgs. (Bantala; Narendrapur).31. *Statilia maculata maculata* (Thunberg)*Distribution* : South 24 Pgs. (Sonarpur).32. *Statilia apicalis* (Saussure)*Distribution* : South 24 Pgs. (Narendrapur).

Subfamily VATINAE

Tribe DANURIINI

33. *Ambivia undata* (Fabricius)*Distribution* : North 24 Pgs. (Barasat).

Family TOXODERIDAE

Subfamily TOXODERINAE

Tribe AETHALOCHROAINI

34. *Aethalochroa ashmoliana* (Westwood)*Distribution* : Murshidabad (Baharampur).

Family EMPUSIDAE

Subfamily EMPUSINAE

35. *Empusa (Empusa)* sp.*Distribution* : Puruliya (Puruliya).

## INSECTA : PHASMIDA

Family DIAPHEROMERIDAE

Sub family NECROSCIINAE

1. *Asceles elongatus* Redtenbacher*Distribution* : South 24 Pgs. (Baruipur).2. *Marmessoidea flavomarginata*

Redtenbacher

*Distribution* : Darjiling.3. *Orxines rugulosus* (Redtenbacher)*Distribution* : Darjiling (Kurseong).4. *Parasipyoidea montana*

Redtenbacher

*Distribution* : Darjiling.5. *Parasosibia maculata* Redtenbacher*Distribution* : India : East (probably West Bengal).6. *Sipyloidea breviaalata* Redtenbacher*Distribution* : Kolkata.7. *Sipyloidea fontanesina* Giglio-Tos*Distribution* : Kolkata.8. *Sipyloidea inscia* Redtenbacher*Distribution* : Darjiling.9. *Sipyloidea erechtheus* (Westwood)*Distribution* : Kolkata.10. *Tagesoidea tages* (Westwood)*Distribution* : Darjiling.

Family PHASMATIDAE

Sub family LONCHODINAE

11. *Lonchodes decolyanus*

Brunner von Wattenwyl

*Distribution* : Darjiling (Kurseong).12. *Lonchodes normalis*

Brunner von Wattenwyl]

*Distribution* : Kolkata.13. *Menexenus obtusespinosus* Sinety*Distribution* : Darjiling (Kurseong).14. *Menexenus quadrilobatus*

Brunner von Wattenwyl]

*Distribution* : Kolkata.15. *Menexenus semiarmatus*

(Westwood)

*Distribution* : Darjiling.16. *Pericentrus bicornatus*

(Westwood)

*Distribution* : Darjiling (Kurseong).

Family PHASMATIDAE

Sub family LONCHODINAE

17. *Neohirasea asperatus* (Bates)*Distribution* : Darjiling.18. *Neohirasea obesus* (Brunner v.

Wattenwyl)

*Distribution* : Darjiling.

Sub family CLITUMNINAE

19. *Cuniculina stilpna* (Westwood)*Distribution* : Jalpaiguri (Buxa).20. *Ramulus arrogans*

(Brunner von Wattenwyl)

*Distribution* : Darjiling (Kurseong).21. *Ramulus artemis* (Westwood)*Distribution* : Darjiling (Kurseong).22. *Ramulus cylindriceps*

(Brunner von Wattenwyl)

*Distribution* : Darjiling (Kurseong).23. *Ramulus decolyi*

(Brunner von Wattenwyl)

*Distribution* : Darjiling (Kurseong).24. *Ramulus Penthesilea*

(Wood-Mason)

*Distribution* : Darjiling, Jalpaiguri (Buxa).25. *Ramulus russellii*

(Bates)

*Distribution* : Darjiling.26. *Ramulus westwoodi*

(Wood-Mason)

*Distribution* : Kolkata.27. *Rhamphophasma spinicorne*

(Stål.)

*Distribution* : Kolkata.

Family PHYLLIIDAE

Sub family PHYLLIINAE

28. *Phyllium (Pulchriphyllium)**bioculatum* Gray*Distribution* : Kolkata.

## INSECTA : DICTYOPTERA

Family OXYHALOIDAE

1. *Nauphoeta cinerea* (Olivier)

*Distribution* : Bankura (Bankura, Bishnupur), Birbhum (Ballavpur) and Kolkata (Banshdroni).

2. *Hemithyrsocera palliata* (Fabricius)

*Distribution* : Darjiling (Singla, Tindharia, Kalijhora) and Jalpaiguri (Paltan para forest, Rajabhatkhawa, Kathambari).

Family DEROCALYMMIDAE

3. *Trichoblatta sericea* Saussure

*Distribution* : Darjiling (Singla, Bhuttabari forest, Chunabati, Riyang, Sukna), Jalpaiguri (Rajabhatkhawa, Chilapata) and Maldah (Golapganj, Nimbari).

4. *Pseudoglomeris glomeris* (Saussure)

*Distribution* : Darjiling (Riyang, Chunabati, Rangpo).

Family PYCNOSCELIDIDAE

5. *Pycnoscelus surinamensis* (Linnaeus)

*Distribution* : Bankura (Sonamukhi, Jhilimili), Birbhum (Illambazar), Kolkata (Kolkata), Darjiling (Pashok, Gorubathan, Khamani forest, Chunabati, Nozeok, Riyang, Darjiling, Tumthangkhola, Singla, Nayabazar, Singlabazar), Jalpaiguri (Buxa Tiger Reserve), Maldah (Tulshihata, Parbatidanga), Medinipur (Jhargram), Nadia (Krishnanagar) and Dinajpur (Gangarampur).

Family BLATTELLIDAE

6. *Supella (Supella) longipalpa* (Fabricius)

*Distribution* : Bankura (Pokarna), Barddhaman (Dhatrigram), Jalpaiguri (Dalsingpara, Birpara), Maldah (Atal, Tulsihata), Murshidabad (Jiyaganj, Dhulian) and Dinajpur (Gangarampur).

7. *Blattella humbertiana* (Saussure)

*Distribution* : Bankura (Chatua, Jaypur forest, Sonamukhi, Pokarna), Birbhum

(Kanchanpur forest Illambazar), Kolkata (Kolkata, Eden Gardens), Darjiling (Kumani forest, Chunabati, Riyang, Rongpo, Tumthangkhola, Singla, Nayabazar, Kalimpong), Haora (Botanical Garden), Hugli (Anantapur, Baidyabati), Jalpaiguri (Buxaduar, Kathambari, Buxa Tiger Reserve, Rydak, Rajabhatkhawa, Harischandrapur, Tulsihata, Parbatidanga), Koch Bihar (Kaligung), Murshidabad (Baharampur, Jangipur, Dhulian), Nadia (Dhubulia), South 24 Pgs. (Bakkhali) and Dinajpur (Raiganj, Gangarampur).

8. *Blattella germanica* (Linnaeus)

*Distribution* : Bankura (Pokarna, Jhatipahari, Jaypur forest, Bankura), Barddhaman (Dhatrigram), Birbhum (Kanchanpur forest, Illambazar, Ballavpur), Kolkata (Tollygunj, Eden Gardens), Darjiling (Sonada, Rongpo, Khamani forest, Chunabati, Mongpong, Bijanbari Phulbazar, Kalimpong), Haora (Botanical Garden), Jalpaiguri (Buxa, Jainti Hills, Rajabhatkhawa, Kathambari, Chilapata), Maldah (Chanchal, Nalakhokson, Atal, Goalapganj, Nimbari, Bhaluk station), Medinipur (Belpahari), Nadia (Bahadurpur forest, Bethuaduhari), North 24 Pgs. (Bongaon, Sonadanga) and Dinajpur (Gangarampur, Tundidighi).

Family BLABERIDAE

9. *Calolampra irrorata* (Fabricius)

*Distribution* : Darjiling (Palmajue) and Dinajpur (Gangarampur).

Family EPILAMPRIDAE

10. *Stictolampra plicata* (Navas)

*Distribution* : Bankura (Sonamukhi, Jhilimili), Birbhum (Ballavpur), Darjiling (Kurseong, Ghum, Mongpong, Sukna), Maldah (Nimbari, Parbatidanga) and Medinipur (Digha).

Family BLATTIDAE

11. *Hebardina concinna* (Hann)

*Distribution* : Haora (Botanical Garden) and Jalpaiguri (Kathambari).

12. ***Periplaneta americana*** (Linnaeus)  
*Distribution* : Bankura (Sonamukhi forest, Pokarna), Birbhum (Illambazar), Kolkata (Kolkata), Darjiling (Singla), Jalpaiguri (Buxa Tiger Reserve), Maldah (Nimbari, Bhaluk station, Parbatidanga), Murshidabad (Baharampur, Dhulian) and North 24 Pgs. (Ramdharia).
13. ***Periplaneta australasiae*** (Fabricius)  
*Distribution* : Barddhaman (Ambika-kalna), Kolkata (Kolkata), Jalpaiguri (Binaguri tea state, Hansimara), Maldah (Tulsihata) and Murshidabad (Jiagunj, Dhulian).
14. ***Neostylopyga rhombifolia*** (Stoll)  
*Distribution* : Bankura (Jhatipahari), Kolkata (Indian Museum Campus, Salt lake), Darjiling (Riyang, Khumbani forest, Bijanbari, Singla), Maldah (Ratua, Nimbari) and Murshidabad (Baharampur, Dhulian).
15. ***Neostylopyga sexpustulata*** (Walker)  
*Distribution* : Bankura (Sonamukhi forest), Maldah (Parbatidanga) and Dinajpur (Gangarampur).
16. ***Blatta (Shelfordella) lateralis*** (Walker)  
*Distribution* : Darjiling (Riyang, Singla).
17. ***Eucorydia westwoodi*** (Gerstaecker)  
*Distribution* : Dinajpur (Gangarampur).  
 Family PANESTHIIDAE
18. ***Panesthia angustipennis*** (Illiger)  
*Distribution* : Darjiling (Mongpu).
19. ***Panesthia stellata*** Saussure  
*Distribution* : Darjiling (Sureil, Riyang, Daling Coate).
20. ***Panesthia laevicollis*** Saussure  
*Distribution* : Darjiling (Mongpu, Kurseong).
21. ***Panesthia regalis*** Walker  
*Distribution* : Darjiling (Darjiling).
22. ***Salgaenea morio*** (Burmeister)  
*Distribution* : Darjiling (Darjiling, Mongpu, Riyang, Singla, Kurseong, Kalimpong).
23. ***Salgaenea bigumis*** (Saussure)  
*Distribution* : Darjiling (Sureil, Ghoombhanjang, Barbati basti, Ghoom, Darjiling, Takdah, Riyang, Rambhi, Lopchu, Kalimpong).

## INSECTA : ISOPTERA

Family Kalotermitidae

Subfamily Toxoderinae

1. *Neotermes bosei* Snyder

*Distribution* : Jalpaiguri (Chalsa forest, Samsingh) and Koch Bihar (Atiamochar forest).

2. *Neotermes buxensis*

Roonwal & Sen-Sarma

*Distribution* : Darjiling (Bagdogra) and Jalpaiguri (BTR).

3. *Neotermes kalimpongensis* Maiti

*Distribution* : Darjiling (Kalimpong, Bong Basti).

4. *Neotermes mangiferae*

Roonwal & Sen-Sarma

*Distribution* : Kolkata.

5. *Glyptotermes sensarmai* Maiti

*Distribution* : Koch Bihar (Atiamochar forest, Khagribari).

6. *Glyptotermes caudomunitus*

Kemmer

*Distribution* : Darjiling (Gailikhola forest).

7. *Glyptotermes teknaensis* Akhtar

*Distribution* : Darjiling (Gailikhola forest).

8. *Glyptotermes krishnai*

Maiti & Chakraborty

*Distribution* : Koch Bihar (Atiamochar forest).

9. *Cryptotermes bengalensis* Snyder

*Distribution* : Kolkata (Ballygunge, Beliaghata), Jalpaiguri (Alipurduar), Medinipur, Nadia (Krishnanagar) and South 24 Pgs. (Sunderban).

10. *Cryptotermes dudleyi* Banks

*Distribution* : Kolkata and South 24 Pgs. (Sunderban, Sajnakhali, Jhingakhali).

Family RHINOTERMITIDAE

11. *Heterotermes indicola* (Wasmann)

*Distribution* : Kolkata, Hugli (Serampore), Medinipur (Saibari) and North 24 Pgs.

12. *Reticulitermes assamensis* Gardner

*Distribution* : Kolkata (Ultadanga) and Darjiling (Samsing, Kalimpong).

13. *Coptotermes heimi* (Wasmann)

*Distribution* : Kolkata (Eden Gardens, Alipur, Garia, Park circus, Ultadanga), Medinipur (Guaberia), Nadia (Krishnanagar), North 24 Pgs. (Palta), South 24 Pgs. (Garia, Baruipur, Namkhana, Narainpur, Subhashgram), Jalpaiguri (Murti beat, Chalsa FR) and Medinipur.

14. *Coptotermes kishori*

Roonwal & Chhotani

*Distribution* : Murshidabad (Baharampur) and Nadia (Kalyani).

15. *Coptotermes travians* (Haviland)

*Distribution* : Kolkata (Ballygunge, Jairampur).

16. *Parrhinotermes khasii*

Roonwal & Sen-sharma

*Distribution* : Darjiling (Kalimpong).

Family STYLOTERMITIDAE

17. *Stylotermes bengalensis*

Mathur & Chhotani

*Distribution* : Darjiling.

18. *Stylotermes parabengalensis* Maiti

*Distribution* : Jalpaiguri (Nagrakata).

Family TERMITIDAE

Subfamily APICOTERMITINAE

19. *Eurytermes buddha* Bose & Maiti

*Distribution* : Medinipur.

20. *Speculitermes cyclops* Wasmann

*Distribution* : Not Known.

21. *Speculitermes deccanensis paivai*

Roonwal & Chhotani

*Distribution* : Kolkata (Tollygunge).

22. *Speculitermes roonwali* Maiti

*Distribution* : Medinipur.

23. ***Euhamitermes chhotani*** Maiti  
*Distribution* : Koch Bihar (Atiamochar forest).
24. ***Synhamitermes quadriceps***  
 (Wasmann)  
*Distribution* : Medinipur and North 24 Pgs. (Barrackpore, Barisa).
25. ***Microcertermes beelsoni*** Snyder  
*Distribution* : Birbhum (Santiniketan), Kolkata, Murshidabad (Berhampore, Lalbag, Gocorn), Nadia (Kamarhati) and South 24 Pgs. (Jaynagar, Sunderban, Subhashgram).
26. ***Microcertermes cameroni*** Snyder  
*Distribution* : Murshidabad (Baharampur), Medinipur, Nadia (Muragachi vill.) and South 24 Pgs. (Garia, Jaynagar, Sunderbans, Subhashgram).
27. ***Angulitermes longifrons*** Maiti  
*Distribution* : Medinipur (Gidhni).
28. ***Dicuspitermes incola*** (Wasmann)  
*Distribution* : Medinipur.
29. ***Pericapritermes ceylonicus***  
 (Holmgren)  
*Distribution* : Darjiling (Gailikhola, Ghumti).
30. ***Pericapritermes dunensis***  
 (Roonwal & Sen-sharma)  
*Distribution* : Darjiling (Gailikhola).
31. ***Pericapritermes tetraphilus***  
 (Silvestri)  
*Distribution* : Darjiling (Tashiding forest).  
 Subfamily MACROTERMITINAE
32. ***Macrotermes estherae*** (Desneux)  
*Distribution*: Darjiling (Tashiding forest, Ghumti).
33. ***Macrotermes gilvus*** (Hagen)  
*Distribution* : Darjiling (Samsing).
34. ***Macrotermes khajuriai***  
 Roonwal & Chhotani  
*Distribution* : Darjiling (Gailikhola forest, Teesta valley, Tashiding forest).
35. ***Odontotermes assmuthi*** Holmgren  
*Distribution* : Kolkata (Alipur, Eden Gardens, Khidderpore, Rabindra sarobar), Murshidabad (Berhampore, Gocorn, Lalbag), Nadia (Plassey), North 24 Pgs. (Barrackpore, Palta) and South 24 Pgs. (Garia).
36. ***Odontotermes bellahunisensis***  
 (Holmgren & Holmgren)  
*Distribution* : Not Known.
37. ***Odontotermes boveni*** Thakur  
*Distribution* : Not Known.
38. ***Odontotermes distans***  
 Holmgren & Holmgren  
*Distribution* : Not Known.
39. ***Odontotermes feae*** (Wasmann)  
*Distribution* : Bankura (Puranderpur, Harra), Barddhaman, Kolkata (Alipur), Medinipur (Bamunia vill., Terapakhia, Saibari), Murshidabad (Gocorn, Lalbag), Nadia (Kalyani, Ranaghat), North 24 Pgs. (Barasat, Barrackpore, Bira) and South 24 Pgs. (Lakhikantapur, Subhashgram).
40. ***Odontotermes gurdaspurensis***  
 Holmgren & Holmgren  
*Distribution* : Bankura.
41. ***Odontotermes horni*** (Wasmann)  
*Distribution* : Barddhaman (Asansol), Kolkata, Hugli (Chandannagar), Jalpaiguri (Kamyakhyaguri), Koch Bihar, Medinipur (Bamunia vill.), Murshidabad (Lalbag), Nadia (Muragacha, Phulia) and North 24 Pgs. (Barrackpore, Barasat, Gocharan).
42. ***Odontotermes obesus*** (Rambur)  
*Distribution* : Not Known.
43. ***Odontotermes redemanni*** (Wasmann)  
*Distribution* : Bankura, Barddhaman, Birbhum (Santiniketan, Bolpur), Kolkata, Darjiling (Teesta valley forest), Hugli (Chandannagar, Singur), Jalpaiguri (Malbazar, Thaljhorahat), Maldah (Baishnabnagar), Medinipur (Kharagpur), Nadia (Muragacha, Phulia, Ranaghat), North 24 Pgs. (Barrackpore, Naihati, Titagarh, Tushkhali) and Puruliya.



44. *Hypotermes obscuriceps* (Wasmann)

*Distribution* : Kolkata, Darjiling (Ghumti).

45. *Hypotermes xenotermitis*

(Wasmann)

*Distribution* : Jalpaiguri (Panagarh airport).

46. *Microtermes obesi* Holmgren

*Distribution* : Barddhaman (Asansol), Birbhum (Santiniketan), Kolkata (Alipur, Ballygunge), Darjiling (Kalimpong), Haora (Sibphur, Andul, Santragachi), Hugli (Chandannagar), Jalpaiguri (Murti forest), Koch Bihar, Maldah (Kaliachak), Medinipur (Saibari, Terapakhia bazar), Nadia (Kalyani, Plassey), North 24 Pgs. (Barrackpore) and South 24 Pgs. (Baraipur, Garia, Subhashgram).

47. *Nasutitermes gardneri* Snyder

*Distribution* : Darjiling (Tarkhola, Rangirum).

48. *Nasutitermes garoensis*

Roonwal & Chhotani

*Distribution* : Jalpaiguri (Atiamochar forest), Koch Bihar.

49. *Nasutitermes jalpaiguiensis*

Prashad & Sen-Sarma

*Distribution* : Darjiling (Gailikhola forest, Kalimpong, Peshok, Tarakhola, Tashiding).

50. *Nasutitermes suknensis*

Prasad & Sen-sarma

*Distribution* : Darjiling (Sukna).

51. *Bulbitermes emersoni* Maiti

*Distribution* : Darjiling (Tashiding forest).

52. *Trinervitermes biformis* (Wasmann)

*Distribution* : Bankura (Puranderpur), Medinipur and Murshidabad.

## INSECTA : PSOCOPTERA

Family TROGIIDAE

1. *Liponotus indicus* Badonnel*Distribution* : Darjiling.

Family PSYLLIPSOCIDAE

2. *Granthakita cuttackae*

Behura &amp; Dash

*Distribution* : Medinipur (Haldia).

Family LIPOSCELIDAE

3. *Liposcelis transvaalensis* (Enderlein)*Distribution* : Kolkata.4. *Liposcelis paetus* Pearman*Distribution* : Kolkata.5. *Liposcelis bengalensis* Badonnel*Distribution* : Darjiling.

Family PACHYTROCTIDAE

6. *Tapinella fasciata* Thornton & Wong*Distribution* : Bankura (Susunia Hills).7. *Tapinella formosana* Enderlein*Distribution* : Haora (Botanical Garden).8. *Pschydroctes georgii* (Menon)*Distribution* : Haora (Botanical Garden).9. *Peritroctes bengalensis*

Thornton &amp; Wong

*Distribution* : North 24 Pgs. (Barasat).

Family CAECILIIDAE

10. *Caececilius muggenburgi*

Enderlein

*Distribution* : Kolkata (Tollygunge).11. *Caececilius himalayanus*

Enderlein

*Distribution* : Darjiling.12. *Caececilius pictifrons*

Thornton &amp; Wong

*Distribution* : Darjiling.13. *Caececilius bengalensis* Badonnel*Distribution* : Darjiling.14. *Caececilius persimilaris*

(Thornton &amp; Wong)

*Distribution* : Darjiling.15. *Dypsocus fucosus*

Thornton &amp; Wong

*Distribution* : Darjiling.

Family STENOPSOCIDAE

16. *Stenopsocus pallidus*

Thornton &amp; Wong

*Distribution* : Darjiling.

Family AMPHIPSOCIDAE

17. *Amphipsocus heterothrix*

Thornton &amp; Wong

*Distribution* : Darjiling.18. *Dasypsocus solax* (Enderlein)*Distribution* : Hugli (Sheoraphuli).

Family LACHESILLIDAE

19. *Lachesilla pedicularia* (Linnaeus)*Distribution* : South 24 Pgs. (Baruipur).

Family ECTOPSOCIDAE

20. *Ectopsocus ramburi* Datta*Distribution* : Kolkata.21. *Ectopsocus bengalensis* Datta*Distribution* : Kolkata and North 24 Pgs.22. *Ectopsocus cinctus* Thornton*Distribution* : Bardhaman (Durgapur) and Darjiling.

Family PERIPSOCIDAE

23. *Peripsocus sinensis* Datta*Distribution* : Jalpaiguri.24. *Peripsocus anoplus*

Thornton &amp; Wong

*Distribution* : Hugli (Dankuni) and Jalpaiguri.25. *Peripsocus sclerotus*

Thornton &amp; Wong

*Distribution* : Kolkata.26. *Peripsocus bhaktae* Badonnel*Distribution* : Darjiling.27. *Peripsocus quercicola* Thornton*Distribution* : Darjiling.

Family HEMIPSOCIDAE

28. *Hemipsocus chloroticus* (Hagen)

*Distribution* : Hugli (Sheoraphuli).

29. *Hemipsocus ornatus* Datta

*Distribution* : North 24 Pgs. (Barrackpore).

Family PSEUDOCAECILIIDAE

30. *Pseudocaecilius citricola* (Ashmead)

*Distribution* : Haora (Botanical Garden).

31. *Pseudocaecilius fletcheri* Datta

*Distribution* : North 24 Pgs. (Barrackpore).

32. *Heterocaecilius fuscipalpus*

Lee & Thornton

*Distribution* : Darjiling.

33. *Allocaecilius heterothorax*

Lee & Thornton

*Distribution* : Darjiling.

34. *Scytopsocopsis hirtipenna*

Lee & Thornton

*Distribution* : Darjiling.

Family ARCHIPSOCIDAE

35. *Archipsocus recens* Enderlein

*Distribution* : Kolkata.

36. *Amphigerontia nubila* Enderlaein

*Distribution* : Darjiling.

Family PSOCIDAE

37. *Psococerastis asiatica* Datta

*Distribution* : Kolkata.

38. *Trichadenotecnum apertum* Thornton

*Distribution* : Haora (Botanical Garden).

Family MYPSOCIDAE

39. *Myopsocus pattoni* Datta

*Distribution* : Darjiling.

## INSECTA : HEMPITERA

Superfamily PENTATOMOIDEA

Family PENTATOMIDAE

1. *Adira parvula* (Dall.)

*Distribution* : Not known.

2. *Aeliomarpha lineaticollis* (Westwood)

*Distribution* : Not known.

3. *Agonoscelis nubila* (Fabr.)

*Distribution* : Birbhum (Bank of Ajoy river, Illambazar), Darjiling (Sukna, Kalijhora), Jalpaiguri (Rajabhatkhawa, Alipurduar) and Murshidabad (Baharampur).

4. *Andrallus spinidens* (Fabr.)

*Distribution* : Medinipur (Jhargram) and Nadia (Phulia).

5. *Arctocoris incisus* Stal.

*Distribution* : Not known.

6. *Asopous malabaricus* Fabr.

*Distribution* : Kolkata.

7. *Atnestia anchora* (Thunb.)

*Distribution* : Jalpaiguri and Murshidabad (Sagardighi).

8. *Atnestia cruciata* Fabricius

*Distribution* : Kolkata.

9. *Bagrada picta* Fabr.

*Distribution* : Jalpaiguri (BTR).

10. *Brachyplatys subaeneus* (Westw.)

*Distribution* : Kolkata, North Bengal.

11. *Canthecona furcellata* Wolff

*Distribution* : Kolkata and Jalpaiguri (BTR).

12. *Carbula indica* Westwood

*Distribution* : Darjiling.

13. *Canthecona ornatula* Distant

*Distribution* : Not known.

14. *Carbula* sp.

*Distribution* : Not known.

15. *Catacanthus incarnatus* (Dru.)

*Distribution* : Kolkata.

16. *Caystrus scutellatus* Distant

*Distribution* : Not known.

17. *Cazira ulcerata* (Herr-Schiff)

*Distribution* : Kolkata.

18. *Cazira verrucosa* Westwood

*Distribution* : Medinipur (Digha), Kolkata.

19. *Chrysocoris grandis* (Jhemsberg)

*Distribution* : South 24 Pgs. (Bakkhali, Sonarpur) and Jalpaiguri (BTR).

20. *Chrysocoris purpureus* (Westwood)

*Distribution* : South 24 Pgs. (Joka), Bankura (Bishnupur), Nadia (Debagram) and W. Dinajpur (Raiganj).

21. *Chrysocoris stollii* (Wolff.)

*Distribution* : South 24 Pgs. (Ramdharia), Bankura (Bishnupur), Birbhum (Ballavpur R.F.), Jalpaiguri (BTR), Medinipur (Shankarpur forest), Murshidabad (Ajimganj) and Puruliya (Jhalda).

22. *Coptosoma abesum* Montd.

*Distribution* : Not known.

23. *Coptosoma cribarium* (Fabr.)

*Distribution* : North 24 Pgs. (Barrackpore).

24. *Coptosoma duodecimpunctatum*  
(Germar)

*Distribution* : Bankura (Sonakumbhi forest).

25. *Coptosoma indicum* Distant

*Distribution* : Haora (Uluberia).

26. *Coptosoma lethierry* Distant

*Distribution* : Jalpaiguri (BTR).

27. *Coptosoma priscum* Distant

*Distribution* : Jalpaiguri (BTR) and Medinipur (Digha).

28. *Coptosoma marginifrons* Distant

*Distribution* : Not known.

29. *Coptosoma siamicum* Walker

*Distribution* : North 24 Pgs. (Barrackpore) and Kolkata.

30. *Coptosoma variegatum* Montand  
Distribution : North 24 Pgs. (Barrackpore) and Haora (Ulberia).
31. *Compastes taurus* Distant  
Distribution : Darjiling (Kurseong).
32. *Coptosoma testaceum* Walker  
Distribution : Kolkata.
33. *Coptosoma* sp.  
Distribution : Not known.
34. *Dalpada oculata* Fabr.  
Distribution : Jalpaiguri (BTR).
35. *Dalpada nigricollis* Westwood  
Distribution : Not known.
36. *Dalpada* sp.  
Distribution : Koch Bihar (Mendbari).
37. *Dolycoris bacarum* (Linn.)  
Distribution : Darjiling (Bagdogra, Kalijhora), Jalpaiguri (Alipurduar) and Maldah (Nimbari).
38. *Dolycoris indicus* Stal.  
Distribution : Kolkata, Koch Bihar (Torsa river bed), Darjiling (Kalijhora, Sukna, Bagdogra) and Medinipur (Datan).
39. *Erthesina fullo* (Thunb.)  
Distribution : South 24 Pgs. (Bakkhali) and Puruliya (Belmura).
40. *Erthesina oberrans* Distant  
Distribution : Not known.
41. *Eysarcoris dubious* Dall  
Distribution : Not known.
42. *Eurostus grossipes* Dall  
Distribution : Not known.
43. *Eysarcoris aenescens*  
Distribution : Jalpaiguri (BTR).
44. *Eysarcoris capitatus* (Distant)  
Distribution : Medinipur (Keyagram).
45. *Eysarcoris guttiger* (Thunb.)  
Distribution : South 24 Pgs. (Rajarhat), Bankura (Bishnupur, Sonamukhi), Jalpaiguri (Alipurduar), Medinipur (Jhargram, Denkal) and Puruliya (Sainik School).
46. *Eysarcoris montivagus* (Distant)  
Distribution : South 24 Pgs. (Rajarhat), Jalpaiguri (BTR), Maldah (Piazbari), Medinipur (Digha) and Puruliya (Sainik School).
47. *Eysarcoris ventralis* (Westwood)  
Distribution : South 24 Pgs. (Bakkhali), Bankura (Bishnupur), Maldah (Pizabari), Medinipur (Digha) and Puruliya (Sainik School).
48. *Fitha ardens* Walker  
Distribution : Bankura (Sonamukhi), Kolkata (Horticulture Garden) and Medinipur (Digha).
49. *Halyomorpha picus* (Fabricius)  
Distribution : South 24 Pgs. (Raidighi).
50. *Halys dentatus* (Fabr.)  
Distribution : Murshidabad (Beldanga), Nadia (Ranaghat) and Puruliya (Sainik School).
51. *Halys magnus* (Fabr.)  
Distribution : Jalpaiguri (BTR).
52. *Keriahana elongata* Distant  
Distribution : Dinajpur (Raiganj).
53. *Melanophara spinifera* (Westwood)  
Distribution : Kolkata.
54. *Menida histrio* (Fabr.)  
Distribution : Birbhum. (Ballavpur R.F.), Maldah (Nimbari), Medinipur (Salbani, Digha) and Nadia (Fulia).
55. *Muscanda testacea* Walk  
Distribution : Darjiling.
56. *Nezara viridula* (Linn.)  
Distribution : Birbhum (Ballavpur R.F.), Koch Bihar (Sonarpur), Jalpaiguri (Alipurduar, BTR), Medinipur (Sharikarpur Forest), Murshidabad, Nadia (Mayapur) and Puruliya (Sainik School).
57. *Palomena unicolor* (Westwood)  
Distribution : Not known.
58. *Piezodorus rubrofasciatus* (Fabr.)  
Distribution : Bankura (Bishnupur), Koch Bihar (Velaguri), Haora (Uluberia), Jalpaiguri (Alipurduar), Medinipur (Keranitala, Kapri village) and Murshidabad (Jangipur, Baharampur).

59. *Plautia fimbriata* (Fabr.)  
*Distribution* : Koch Bihar (Torsa river bed), Jalpaiguri (BTR), Medinipur (Haldia), Nadia (Palpara) and Puruliya (Mukutmanipur).
60. *Poecilocoris obesus* Dall.  
*Distribution* : Darjiling.
61. *Prionaca nigrecens* Dist.  
*Distribution* : Not known.
62. *Pycanum ochraceum* Distant  
*Distribution* : Darjiling.
63. *Sciocoris* sp.  
*Distribution* : Not known.
64. *Scotinophara dentata* (Distant)  
*Distribution* : Kolkata, Maldah.
65. *Stenozygum speciosum* (Dallas)  
*Distribution* : Jalpaiguri (Rajabhatkhawa) and W. Dinajpur (Raniganj).
66. *Tessaratoma papillosa* (Dru.)  
*Distribution* : Not known.
67. *Tiarocoris suffusus* Distant  
*Distribution* : Not known.
68. *Zicrona caerulea* (Linnaeus)  
*Distribution* : Birbhum (Illambazar), Koch Bihar (Chowdhurihat), Darjiling (Panitanki), Maldah (Piazbari) and Medinipur (Keyagaria).  
 Family CYDNIDAE
69. *Cydnus indicus* Westwood  
*Distribution* : Bankura (Bishnupur) and Jalpaiguri (BTR).
70. *Cydnus nigroaeneus* (Walker)  
*Distribution* : Jalpaiguri (BTR).
71. *Cydnus scutellatus* (Dohrn)  
*Distribution* : Jalpaiguri (BTR).
72. *Cydnus varians* Fabr.  
*Distribution* : Not known.
73. *Geotomus pygmaeus* (Dallas)  
*Distribution* : Bankura (Bishnupur).
74. *Lactistes rastellus* Sciodte  
*Distribution* : Not known.
75. *Macroscytus electus* Distant  
*Distribution* : Not known.
76. *Nishadana typicus* Distant  
*Distribution* : Not known.
77. *Stibaropus callidus* (Schiodte)  
*Distribution* : Hugli (Srerampur).  
 Family UROSTYLLIDA
78. *Urochela bimaculata* (Dallas)  
*Distribution* : Jalpaiguri (BTR).
79. *Urochela quadripunctata* Dall.  
*Distribution* : Darjiling.
80. *Urochela guttulata* Stal.  
*Distribution* : Darjiling.
81. *Urochela pilosa* Stal.  
*Distribution* : Darjiling.
82. *Urolabida histrionica* Westwood  
*Distribution* : Kolkata.
83. *Urostylis gracilis* Dall.  
*Distribution* : Darjiling.
84. *Urostylis nigromarginalis* Reut.  
*Distribution* : Darjiling.
85. *Urostylis sinensis* Walker  
*Distribution* : Not known.  
 Family ACANTHOSOMATIDAE
86. *Acanthosoma distinctum* Dall.  
*Distribution* : Darjiling.
87. *Anaxandra hamata* Reut.  
*Distribution* : Darjiling.
88. *Anaxandra rufescens* (Dall.)  
*Distribution* : Darjiling.
89. *Anaxandra nigricornis* (Walker)  
*Distribution* : Darjiling.
90. *Elasmotethus truncatulum* Walker  
*Distribution* : Darjiling.
91. *Elasmucha albicincta* Distant  
*Distribution* : Not known.
92. *Elasmucha montandoni* Distant  
*Distribution* : Not known.

93. *Microdeuterus megacephalus* (Herr.-Sch.)  
Distribution : Kolkata.  
Family DINIDORIDAE
94. *Coridius brunneus* (Thunb.)  
Distribution : Kolkata.
95. *Coridius nepsleners* Westwood  
Distribution : Darjiling.
96. *Coridius ianus* (Fabr.)  
Distribution : Not known.
97. *Cyclopelta obscura* Lep. & Serv.  
Distribution : Kolkata.
98. *Cyclopelta siccifolia* (Westwood)  
Distribution : Murshidabad.
99. *Megymenum brevicorne* (Fabricus)  
Distribution : Kolkata.
100. *Dalsira glandulosa* Wolff.  
Distribution : Not known.
101. *Megymenum inerme* (Her.-Sch.)  
Distribution : Not known.
102. *Megymenum severini* Berg.  
Distribution : Not known.  
Family SCUTELLERIDAE
103. *Scutellera nobilis* Fabricus  
Distribution : Kolkata.  
Family TESSAROTOMIDAE
104. *Bagrada picta* (Fabr.)  
Distribution : Jalpaiguri (BTR).
105. *Blachia ducalis* Walker  
Distribution : Jalpaiguri (BTR).
106. *Brachycerocons* sp.  
Distribution : Jalpaiguri (BTR).
107. *Carpocoris nigricornis* (Fabr.)  
Distribution : Jalpaiguri (BTR).
108. *Catacanthus incarnatus* (Drun.)  
Distribution : South 24 Pgs. (Canning) and Jalpaiguri (BTR).
109. *Cresphontes fulvus* (Fabr.)  
Distribution : Jalpaiguri (BTR).
110. *Dalcantha dilitata* Amyot E' Servelle  
Distribution : Kolkata.
111. *Degonatus serratus* (Distant)  
Distribution : Jalpaiguri (BTR).
112. *Dolycons indicus* Stål  
Distribution : Jalpaiguri (BTR).
113. *Gynenica affinis* Distant  
Distribution : Jalpaiguri (BTR).
114. *Hyalomorpha* sp.  
Distribution : Jalpaiguri (BTR).
115. *Lamprocoris lateralis* (Guer.)  
Distribution : Jalpaiguri (BTR).
116. *Podops dentata* Distant  
Distribution : Jalpaiguri (BTR).
117. *Pycanum ochraceum* Distant  
Distribution : Darjiling.
118. *Sabeus humeralis* (Dallas)  
Distribution : Jalpaiguri (BTR).
119. *Tolumnia latipes* (Dallas)  
Distribution : Jalpaiguri (BTR).
120. *Tolumnia maxima* Distant  
Distribution : Jalpaiguri (BTR).  
Superfamily COREOIDEA  
Family ALYDIDAE
121. *Leptocorisa acuta* (Thunb.)  
Distribution : North 24 Pgs., Kolkata, Jalpaiguri (BTR) and Nadia (Kalyani).
122. *Riptortus pedestris* (Fabr.)  
Distribution : Jalpaiguri (BTR) and Murshidabad (Baharampur).
123. *Riptortus fuscus* (Fabr.)  
Distribution : Kolkata, Koch Bihar (Sonarpur), Darjiling, Jalpaiguri (BTR), Murshidabad and Puruliya.
124. *Riptortus linearis* (Fabr.)  
Distribution : Kolkata, Darjiling, Haora (Sibpur) and Jalpaiguri (BTR).  
Family CAPSIDAE
125. *Disphinctus humeralis* Walker  
Distribution : Jalpaiguri (Rajabhatkhawa).

## Family COREIDAE

126. ***Acanthocoris scabrator*** (Fabr.)  
*Distribution* : Darjiling (Rohni) and Jalpaiguri (BTR).
127. ***Aschistus brevicornis*** Dall.  
*Distribution* : Not known.
128. ***Anoplocnemis phasiana*** (Fabr.)  
*Distribution* : Darjiling and Jalpaiguri (Buxaduar).
129. ***Babaranus ornatulus*** Distant  
*Distribution* : Darjiling (Pashok).
130. ***Calcagninus sp.***  
*Distribution* : Jalpaiguri (BTR).
131. ***Clavigralla gibbosa*** Spin.  
*Distribution* : Kolkata and Jalpaiguri (Oodlabari forest, BTR).
132. ***Clavigralla horrens*** Spin.  
*Distribution* : Jalpaiguri (BTR).
133. ***Cletomorpha hastana*** Fabr.  
*Distribution* : Jalpaiguri (BTR).
134. ***Cletomorpha raja*** Distant  
*Distribution* : Darjiling (Pashok), Jalpaiguri (Panbari, Rajabhatkhawa).
135. ***Cletomorpha walkeri*** Distant  
*Distribution* : Jalpaiguri (BTR).
136. ***Cletus bipunctatus*** (Westwood)  
*Distribution* : Birbhum (Gopalpur), Jalpaiguri (BTR) and Puruliya (Balarampur).
137. ***Cletus bovillus*** (Westwood)  
*Distribution* : Jalpaiguri (BTR).
138. ***Cletus caluminator*** (Westwood)  
*Distribution* : Jalpaiguri (BTR).
139. ***Cletus feanus*** (Westwood)  
*Distribution* : Jalpaiguri (BTR).
140. ***Cletus trigonus*** (Westwood)  
*Distribution* : Jalpaiguri (BTR).
141. ***Cletus punctiger*** (Dall)  
*Distribution* : Not known.
142. ***Cletus punctulatus*** (Westwood)  
*Distribution* : Not known.
143. ***Cletomorpha hastana*** Fabr.  
*Distribution* : Not known.
144. ***Cloresmus khasianus*** Distant  
*Distribution* : Not known.
145. ***Cloresmus modestus*** Distant  
*Distribution* : Not known.
146. ***Cloresmus nepalensis*** Westwood  
*Distribution* : Not known.
147. ***Cloresmus antennatus*** Distant  
*Distribution* : Darjiling (Nazeok).
148. ***Colpura erebus*** Distant  
*Distribution* : Not known.
149. ***Colpura nodulosa*** Distant  
*Distribution* : Not known.
150. ***Corizus bengalensis*** Dall.  
*Distribution* : Not known.
151. ***Cryptotympana corvus*** Dall.  
*Distribution* : Jalpaiguri (BTR).
152. ***Daladar acuticosta*** (Westwood)  
*Distribution* : Darjiling (Mirik) and Jalpaiguri (BTR).
153. ***Daladar planiventris*** (Westwood)  
*Distribution* : Not known.
154. ***Derepteryx greyi*** White  
*Distribution* : Not known.
155. ***Derepteryx hardwicki*** White  
*Distribution* : Not known.
156. ***Dulichius inflatus*** Kirby  
*Distribution* : Not known.
157. ***Elasmomia granulipes*** (Westwood)  
*Distribution* : Darjiling (Sukna, Darjiling).
158. ***Euricania ocellus*** (Westwood)  
*Distribution* : Jalpaiguri (BTR).
159. ***Fulgora clavata*** (Westwood)  
*Distribution* : Jalpaiguri (BTR).
160. ***Fulgora sp.***  
*Distribution* : Jalpaiguri (BTR).



161. *Fulgora vindirostris* Stal.  
Distribution : Jalpaiguri (BTR).
162. *Gaeana maculata* Stal.  
Distribution : Jalpaiguri (BTR).
163. *Graptoletrix guttatus* (Westwood)  
Distribution : Jalpaiguri (BTR).
164. *Homoeocerus albiguttulus* Stal.  
Distribution : Kolkata and Jalpaiguri (BTR).
165. *Homoeocerus inornatus* Stal.  
Distribution : Darjiling (Pashok).
166. *Homoeocerus serrifer* (Westwood)  
Distribution : Darjiling (Pashok).
167. *Homoeocerus signatus* Walker  
Distribution : Darjiling (Pashok) and Jalpaiguri (BTR).
168. *Homoeocerus simiolus* Distant  
Distribution : Darjiling (Pashok).
169. *Homoeocerus strilcornis* Distant  
Distribution : Darjiling (Darjiling) and Jalpaiguri (BTR).
170. *Homoeocerus tinctus* Distant  
Distribution : Jalpaiguri (BTR).
171. *Homoeocerus walkeri* Kirby  
Distribution : Darjiling (Pashok) and Jalpaiguri (Jainti).
172. *Homoeocerus puncticornis* Burm  
Distribution : Not known.
173. *Homeocerus* sp.  
Distribution : Jalpaiguri (Panbari).
174. *Hydara orientalis* Distant  
Distribution : Not known.
175. *Karenia ravidia* Distant  
Distribution : Jalpaiguri (BTR).
176. *Lahugada dohertyi* (Fabr.)  
Distribution : Jalpaiguri (BTR).
177. *Mictis pictor* (Fabr.)  
Distribution : Jalpaiguri (BTR).
178. *Mictis tenebrosa* (Fabr.)  
Distribution : Darjiling.
179. *Metapropis aurita* Bredd.  
Distribution : Not known.
180. *Notobitus excellens* Distant  
Distribution : Not known.
181. *Notobitus serripes* Dall.  
Distribution : Not known.
182. *Notobitus meleagris* (Fabr.)  
Distribution : Kolkata.
183. *Ochrochira biplagiata* (Walk.)  
Distribution : Darjiling (Rongirum, Peshok, Siliguri).
184. *Oncotympana expansa* (Walk.)  
Distribution : Jalpaiguri (BTR).
185. *Petilla calcer* (Dall.)  
Distribution : Darjiling (Sukna, Pashok).
186. *Petillia lobipes* (Westwood)  
Distribution : Haora (Sibpur).
187. *Petillia patulicollis* (Walker)  
Distribution : Darjiling (Kurseong ) and Jalpaiguri (BTR).
188. *Petalocremis obscura* Dall.  
Distribution : Not known.
189. *Petilla notatipes* (Walk.)  
Distribution : Not known.
190. *Physomerus grossipes* Fabricus  
Distribution : Not known.
191. *Prionoloma cardoni* Leithierry  
Distribution : Not known.
192. *Ricania speculum* (Walk.)  
Distribution : Jalpaiguri (BTR).
193. *Serinetha abdominalis* (Fabricus )  
Distribution : Not known.
194. *Serinetha augur* (Fabricus)  
Distribution : Not known.
195. *Serinetha rufomaculata* (Fabricus)  
Distribution : Not known.
- Family BELOSTOMATIDAE  
Subfamily BELOSTOMATINAE
196. *Diplonychus molestus* (Dufour)  
Distribution : Kolkata.

197. *Diplonychus rusticus* (Fabricius)

*Distribution* : North 24 Pgs. (Barrackpore), South 24 Pgs. (Canning , Bantala), Bankura (Joypur, Sonamukhi forest), Kolkata (Ballygunge), Hugli (Singur) and Murshidabad (Kadamtala, Baharampur).

198. *Diplonychus annulatus* (Fabricius)

*Distribution* : South 24 Pgs. (Sonarpur), Bankura (Amdangra), Bardhaman (Asansol), Kolkata (Eden garden), Haora (Botanical Garden), Hugli (Bandel) and Nadia (Baharampur).

Subfamily LETHOCERINAE

199. *Lethocerus indicus* (Lepeletier & Serville)

*Distribution* : North 24 Pgs. (DumDum, Palta), Kolkata (Hastings), Darjiling (Pashok) and Puruliya (Balarampur).

Family NEPIDAE

Subfamily NEPINAE

200. *Laccotrephes griseus* (Guerin)

*Distribution* : Kolkata (Tank, East of Kolkata, Durgapur canal) and Darjiling (Siliguri).

201. *Laccotrephes elongatus* Montandon

*Distribution* : West Bengal.

202. *Laccotrephes maculatus* (Fabricius)

*Distribution* : Kolkata.

203. *Laccotrephes ruber* (Linnaeus)

*Distribution* : North 24 Pgs. (Rajarhat), Kolkata, Darjiling (Pashok, Kalimpong, Munghphu) and Jalpaiguri (BTR).

Subfamily RANATRINAE

204. *Ranatra elongata* Fabricius

*Distribution* : Bankura (Santinekatan), Hugli (Debanandapur, Bandel), Jalpaiguri (BTR) and Medinipur (Belpahari).

205. *Ranatra filiformis* Fabricius

*Distribution* : North 24 Pgs. (Bartibill, Barrackpore, Barrackpore), Kolkata (Kolkata, Eden Gardens), Haora (Botanical Garden, Sibphur) and Hugli (Sheoraphuli).

206. *Ranatra longipes* Stal.

*Distribution* : Kolkata.

207. *Ranatra sordidula* Dohrn

*Distribution* : Kolkata (Eden Gardens).

208. *Ranatra varipes* Stal.

*Distribution* : Kolkata (Dhappa, Indian Museum, Kolkata pond).

Family NOTONECTIDAE

Subfamily ANISOPINAE

209. *Anisops barbata* Brooks

*Distribution* : Murshidabad (Baharampur).

210. *Anisops batillifrons* Lundblad

*Distribution* : South 24 Pgs. (Port Canning, Ranijhil, Bantala) and Darjiling (Mongpoo, Sitong ridge).

211. *Anisops bouvieri* Kirkaldy

*Distribution* : Kolkata (Eden Gardens) and Murshidabad (Baharampur).

212. *Anisops breddini* Kirkaldy

*Distribution* : North 24 Pgs. (Matibazar, Basirhat).

213. *Anisops campbelli* Brooks

*Distribution* : Darjiling (Mongpu).

214. *Anisops caifrons* Brooks

*Distribution* : Kolkata.

215. *Anisops crinitus* Brooks

*Distribution* : South 24 Pgs. (Ranijhil, Bantala) and Murshidabad (Baharampur).

216. *Anisops kempi* Brooks

*Distribution* : Kolkata (Eden Gardens).

217. *Anisops nasutus* Fieber

*Distribution* : Not known.

218. *Anisops sardeus* Herrich-Shaffer

*Distribution* : Murshidabad (Baharampur).

219. *Anisops lipovskyi* Brooks

*Distribution* : Kolkata and Darjiling (Jor pokhori).

Subfamily NOTONECTINAE

220. *Enithares ciliata* (Fabricius)

*Distribution* : Darjiling (Sitong, Mongpu).

221. *Nychia sappho* Kirkaldy  
*Distribution* : North 24 Pgs. (Bartibill, Barrackpore) and Birbhum (Tarapith).  
 Family PLEIDAE
222. *Paraplea frontalis* (Fieber)  
*Distribution* : Kolkata.
223. *Paraplea indistinguenda* Matsumura  
*Distribution* : South 24 Pgs. (Diamond Harbour) and Kolkata (Indian Museum, Kolkata Tank).
224. *Paraplea liturata* (Fieber)  
*Distribution* : Kolkata (Indian Museum).  
 Family HELOTREPHIDAE
225. *Tiphotrephes indicus* (Distant)  
*Distribution* : Kolkata (Indian Museum).  
 Family GERRIDAE  
 Subfamily GERRINAE
226. *Chimarrhometra orientalis* (Distant)  
*Distribution* : South 24 Pgs. (Canning) and Darjiling (Sitong, Sureil, Jorphokhori, Kurseong).
227. *Eotrechus kalidasa* Kirkaldy  
*Distribution* : Darjiling (Pashok) and Jalpaiguri (Jaldapara).
228. *Aquarius adelaidis* (Dohrn)  
*Distribution* : Bankura (Amdangra).
229. *Gerris gracilicornis* (Horvath)  
*Distribution* : Darjiling (Lebong, Kurseong, Botanical Garden).
230. *Limnogonus (Limnogonus) fossarum fossarum* (Fabricius)  
*Distribution* : North 24 Pgs. (Bartibill, Barrackpore), South 24 Pgs. (Canning, Garia), Kolkata (Indian Museum Tank, Eden Gardens), Darjiling (Kurseong) and Haora (Botanical Garden).
231. *Limnogonus (Limnogonus) nitidus* (Mayr)  
*Distribution* : North 24 Pgs. (Bartibill, Barrackpore, Basirhat), South 24 Pgs. (Canning), Bankura (Joypur Bishnupur), Birbhum (Ballavpur), Kolkata (Zoological Garden, Eden Gardens), Darjiling (Kurseong, Senchal), Hugli (Sheorapuhuly) and Puruliya (Puruliya).
232. *Limnometra anadyomene* (Kirkaldy)  
*Distribution* : South 24 Pgs. (Canning).
233. *Limnometra fluviorum* (Fabricius)  
*Distribution* : North 24 Pgs. (Palta), South 24 Pgs. (Garia) and Kolkata.
234. *Neogerris parvula* (Stal.)  
*Distribution* : North 24 Pgs. (Matiabazar, Basirhat), Bankura (Joypur forest), Kolkata (Eden Gardens), Darjiling (Nam Ting Pokhri, Sitang, Sevok), Jalpaiguri (Damanpur, Alipurduar) and Puruliya (Puruliya).  
 Subfamily HALOBATINAE
235. *Asclepios annandalei* Distant  
*Distribution* : South 24 Pgs. (Basanti).
236. *Halobates flaviventris* Eschscholtz  
*Distribution* : South 24 Pgs. (Basanti).
237. *Metrocoris stali* (Dohrn)  
*Distribution* : Darjiling (Sureil).  
 Subfamily PTILOMERINAE
238. *Ptilomera (Proptilomera) himalayensis* Hungerford & Matsuda  
*Distribution* : Darjiling (Kalimpong).
239. *Ptilomera laticaudata* (Hardwicke)  
*Distribution* : South 24 Pgs. (Basanti), Bankura (Sonamukhi forest), Barddhaman (Asansol) and Jalpaiguri (Kalchini).  
 Subfamily RHAGADOTARSINAE
240. *Rhagadotarsus (Rhagadotarsus) kraepelini* Breddin  
*Distribution* : North 24 Pgs. (Barrackpore) and Kolkata.  
 Subfamily TREPOBATINAE
241. *Naboandelus signatus* Distant  
*Distribution* : North 24 Pgs. (Bartibill, Barrackpore), Kolkata (Kolkata Tank).  
 Family HYDROMETRIDAE
242. *Hydrometra greeni* Kirkaldy  
*Distribution* : North 24 Pgs. (Bashirhat, Barrackpore), Barddhaman (Asansol), Kolkata (Indian Museum compound, Eden Gardens) and Murshidabad (Baharampur).

## Family MESOVELIIDAE

243. *Mesovelia vittigera* Horvath

*Distribution* : North 24 Pgs. (Barrackpore), South 24 Pgs. (Bantala), Kolkata (Indian Museum tank) and Jalpaiguri (Damanpur, Alipurduar).

## Family VELIIDAE

244. *Microvelia albomaculata* Distant

*Distribution* : North 24 Pgs. (Barrackpore), Kolkata (Ballygunge, East Kolkata wet land) and Darjiling (Siliguri).

245. *Microvelia annandalei* Distant

*Distribution* : South 24 Pgs. (Canning).

246. *Microvelia burmanica* Paiva

*Distribution* : Jalpaiguri (Teesta River).

247. *Microvelia diluta* Distant

*Distribution* : Kolkata.

## Family LYGAEIDAE

## Subfamily GEOCORINAE

248. *Geocoris ochropterus* (Fieber)

*Distribution* : Kolkata, Darjiling and Medinipur (Jhargram).

## Subfamily LYGAEINAE

249. *Graptostethus servus* (Fabricius)

*Distribution* : Bankura (Bishnupur), Kolkata, Darjiling, Jalpaiguri (BTR), Medinipur (Jhargram) and Murshidabad (Jiyaganj, Sagardighi).

250. *Graptostethus quardrisignatus*

Distant

*Distribution* : South 24 Pgs. (Baruipur) and Jalpaiguri (BTR).

251. *Graptostethus trisignatus* Distant

*Distribution* : Darjiling, Haora (Tarakeshwar) and Jalpaiguri (Rajabhatkhawa).

252. *Graptostethus verticalis* (Dallas)

*Distribution* : Kolkata and Haora (Sibpur).

253. *Lygaeosoma bipunctata* (Dallas)

*Distribution* : South 24 Pgs., Kolkata and Haora (Sibpur).

254. *Spilostethus hospes* (Fabr.)

*Distribution* : South 24 Pgs., Bankura (Simlapal), Kolkata, Medinipur (Khedriaghat, Garbeta), Murshidabad (Sagardighi) and Puruliya.

255. *Spilostethus pendurus militaris* (Fabricius)

*Distribution* : Darjiling, Haora and Nadia (Debagram).

## Subfamily ORSILLINAE

256. *Nysius ceylonicus* (Motchulsky)

*Distribution* : South 24 Pgs., Kolkata, Koch Bihar (Sonarpur) and Darjiling.

257. *Nysius inconspicuus* Distant

*Distribution* : Barddhaman, Kolkata, Darjiling, Haora and Jalpaiguri (Mendabari).

258. *Nysius minor* Distant

*Distribution* : Darjiling and Jalpaiguri (Mendabari).

## Subfamily PACHYGRONTHINAE

259. *Pachygrontha bipunctata* Stal.

*Distribution* : South 24 Pgs., Bankura (Sonamukhi), Kolkata and Medinipur.

## Subfamily RHYPAROCHROMINAE

260. *Dieuches femoralis* Dohrn

*Distribution* : Bankura (Bishnupur), Kolkata, Darjiling and Medinipur (Haldia).

261. *Dieuches* sp.

*Distribution* : Bankura (Indus) and Medinipur (Haldia).

262. *Dieuches fuscans* Distant

*Distribution* : Jalpaiguri (BTR).

263. *Dieuches uniguttatus* Thunb.

*Distribution* : Jalpaiguri (BTR).

264. *Elasmolomus sordidus* (Fabr.)

*Distribution* : Bankura (Sabanpur), Birbhum (Illambazar), Kolkata and Darjiling.

265. *Metochus uniguttatus* (Thunberg)

*Distribution* : Bankura (Indus), Kolkata, Haora and Maldah (Paglahat).

266. *Paromius gracilis* (Rambur)

*Distribution* : South 24 Pgs. (Kakdwip), Bankura (Bishnupur), Kolkata, Koch Bihar (Sonarpur), Darjiling, Haora, Medinipur (Garbeta) and Murshidabad (Jangipur).

267. *Paromius pallidus* (Montrousier)

*Distribution* : Kolkata.

268. *Paromius seychellesus* Walk.

*Distribution* : Jalpaiguri (BTR).

269. *Pseudopachybrachius guttus* (Dalas)

*Distribution* : Bankura (Sonamukhi, Ashan, Bishnupur), Birbhum (Illambazar), Medinipur (Digha) and Puruliya (Ajodhya Hill).

270. *Rhyparothesus sparsus* (Distant)

*Distribution* : South 24 Pgs. and Kolkata.

Subfamily HETEROGASTRINAE

271. *Artemidorus pressus* Distant

*Distribution* : Locality not known.

272. *Dinomachus rhacnus* Distant

*Distribution* : Locality not known.

273. *Dinomachus indicus* Distant

*Distribution* : Locality not known.

274. *Dinomachus bengalensis*

Mukhopadhyay

*Distribution* : Locality not known.

275. *Boccharis indicus* Mukhopadhyay

*Distribution* : Locality not known.

276. *Sadletus pallescens* Distant

*Distribution* : Locality not known.

Subfamily ARTHENEINI

277. *Teutates sculpturatus* Distant

*Distribution* : Locality not known.

Subfamily OXYCARENINAE

278. *Oxycarenum bicolor* Fieber

*Distribution* : Locality not known.

279. *Oxycarenum laetus* Kirby

*Distribution* : Locality not known.

Subfamily RHYPAROCHROMINAE

CLERADINI

280. *Clerada apicicornis* Signoret

*Distribution* : Locality not known.

Subfamily ANTILLOCORNI

281. *Botocudo signandus* (Distant)

*Distribution* : Locality not known.

282. *Botocudo punctatus* Mukhopadhyay

*Distribution* : Locality not known.

Subfamily LETHAEINI

283. *Neolhaeus indicus* Mukhopadhyay

*Distribution* : Locality not known.

284. *Hexatrachocoris melleus* Kiritshenko

*Distribution* : Locality not known.

285. *Lethaeus indicus* Dallas

*Distribution* : Locality not known.

286. *Diniella bengalensis* Distant

*Distribution* : Locality not known.

Subfamily DRYMINI

287. *Lemnius ovatus* Distant

*Distribution* : Locality not known.

288. *Appolonius cincticornis* (Walker)

*Distribution* : Locality not known.

289. *Appolonius crassus* (Distant)

*Distribution* : Locality not known.

290. *Thebanus bengalensis* Mukhopadhyay

*Distribution* : Locality not known.

291. *Kanigara flavomarginata* Distant

*Distribution* : Locality not known.

292. *Scolopostethus montanus* (Distant)

*Distribution* : Locality not known.

293. *Scolopostethus bengalensis*

Mukhopadhyay

*Distribution* : Locality not known.

Subfamily OZOPHORINI

294. *Primierus bispinus* (Motschulsky)

*Distribution* : Locality not known.

- Subfamily STYGNOCORINI  
 295. *Arrianus excavatus* Distant  
*Distribution* : Locality not known.
- Subfamily RHYPAROCHROMINI  
 296. *Elasmolomus paralineosus*  
 Mukhopadhyay  
*Distribution* : Locality not known.
297. *Lachnethus leucospilus* (Walker)  
*Distribution* : Locality not known.
298. *Rhyparothesus ornatulus* (Distant)  
*Distribution* : Locality not known.
299. *Rhyparothesus sparsus* (Distant)  
*Distribution* : Locality not known.
300. *Dieuches coloratus* (Distant)  
*Distribution* : Locality not known.
301. *Poeantis festivus* Distant  
*Distribution* : Locality not known.
- Subfamily MEGALONOTHINI  
 302. *Proderus spinosus* (Distant)  
*Distribution* : Locality not known.
- Subfamily MYODOCHINI  
 303. *Suffenus fusconervosus*  
 (Motschulsky)  
*Distribution* : Locality not known.
304. *Stigmatonotum cephalotes*  
 (Kiritshenko)  
*Distribution* : Locality not known.
305. *Stigmatonotum minutum* Malipatil  
*Distribution* : Locality not known.
306. *Pachybrachius annulipes*  
 (Baerensprung)  
*Distribution* : Locality not known.
307. *Horridipamera nietneri* (Dohrn)  
*Distribution* : Locality not known.
308. *Pseudopachybrachius guttus*  
 (Dallas)  
*Distribution* : Locality not known.
309. *Paromius gracilis* (Rambur)  
*Distribution* : Locality not known.
310. *Paromius pallidus* (Montrousier)  
*Distribution* : Locality not known.
311. *Paromius exiguus* (Distant)  
*Distribution* : Locality not known.
312. *Pamerana nigritula* (Walker)  
*Distribution* : Locality not known.
313. *Paraecosmetus pallicornis* (Dallas)  
*Distribution* : Locality not known.
314. *Paraecosmetus brachylabius*  
 Mukhopadhyay  
*Distribution* : Locality not known.
- DOUBTFUL TAXA
315. *Prostemmidea mimica* Reuter  
*Distribution* : Locality not known.
316. *Meschia quadrimaculata* Distant  
*Distribution* : Locality not known.
317. *Meschia pugnax* Distant  
*Distribution* : Locality not known.
- Family REDUVIIDAE  
 Subfamily TRIBELOCEPHALINAE
318. *Apocaucus laneus* Distant  
*Distribution* : Darjiling, Kolkata.
319. *Tribelocephala indica* (Walker)  
*Distribution* : Darjiling (Singla).  
 Subfamily STENOPODINAE
320. *Oncocephalus annulipes* Stal.  
*Distribution* : Kolkata (Indian Museum,  
 Tollygunj) and Medinipur (Haldia).
321. *Oncocephalus impudicus* Reut.  
*Distribution* : Darjiling (Pashok).
322. *Oncocephalus morosus* Distant  
*Distribution* : Darjiling (Singla).
323. *Oncocephalus naboides* (Walker)  
*Distribution* : Kolkata (Kolkata).
324. *Pygolampis unicolor* Walker  
*Distribution* : Kolkata.
325. *Sastrapada baerensprungi* (Stal.)  
*Distribution* : Darjiling (Pashok).

## Subfamily ACANTHSPIDINAE

326. *Acanthaspis fulvipes* (Dallas)  
Distribution : Darjiling (Sevok) and Jalpaiguri (BTR).
327. *Acanthaspis lineatipes* Reuter  
Distribution : Darjiling (Rangpo).
328. *Acanthaspis maculata* (Distant)  
Distribution : Darjiling and Medinipur.
329. *Acanthaspis sexguttata* (Fabricius)  
Distribution : Kolkata.
330. *Centrocnemis stali* Reut.  
Distribution : Darjiling (Kalimpong).
331. *Isdegardes melanocephalus* Distant  
Distribution : Kolkata.
332. *Psophis erythraea* Stal.  
Distribution : Darjiling (Kalimpong).
333. *Reduvius knyveti* Distant  
Distribution : Darjiling (Kurseong, Ghumti).
334. *Conorhinus rubrofasciatus* (de Geer)  
Distribution : North 24 Pgs. (Barasat) and Medinipur (Jambani forest, Jhargram).
335. *Sminthocoris fuscipennis* (Stal.)  
Distribution : Darjiling (Pashok) and Jalpaiguri (BTR).
336. *Velitra rubropicta* (Amy. & Serv.)  
Distribution : Kolkata.
337. *Velitra sinensis* (Walker)  
Distribution : Bankura.
- Subfamily ECTRICHODIINAE
338. *Ectrychotes abbreviatus* Reut.  
Distribution : North 24 Pgs. (Barasat) and Haora (Chunahati).
339. *Ectrychotes crudelis* (Fabr.)  
Distribution : South 24 Pgs. (Sonarpur) and Kolkata.
340. *Ectrychotes dispar* Reut.  
Distribution : South 24 Pgs. (Madhupur, Casipur) and Kolkata.

341. *Ectrychotes pilicornis* (Fabr.)

Distribution : South 24 Pgs. (Madhupur, Casipur).

342. *Ectrychotes scutellaris* (Bredd.)

Distribution : Darjiling (Singla).

343. *Haematorrhopus tuberculatus* Stal.

Distribution : Darjiling (Sukna).

344. *Scadra sincticornis* Kirby

Distribution : Koch Bihar (Mathabhanga).

345. *Vilius melnopterus* Stal.

Distribution : Kolkata.

## Subfamily HARPACTORINAE

346. *Coranus fuscipennis* Reut.

Distribution : Kolkata.

347. *Coranus obscurus* (Kirby)

Distribution : Darjiling (Kalimpong).

348. *Coranus spiniscutis* Reut.

Distribution : Kolkata.

349. *Cydnocoris crocatus* Stal.

Distribution : Darjiling (Singla) and Jalpaiguri (BTR).

350. *Cydnocoris gilvus* (Burm.)

Distribution : Jalpaiguri (BTR).

351. *Endochus atricapillus* Distant

Distribution : Darjiling (Singla).

352. *Endochus nigricornis* Stal.

Distribution : Darjiling (Singla).

353. *Endochus umbrinus* Distant

Distribution : Jalpaiguri (BTR).

354. *Epidaus atrispinus* Stal.

Distribution : Darjiling (Kurseong) and Jalpaiguri (BTR, Rajabhatkhawa).

355. *Epidaus famulus* (Stal.)

Distribution : Darjiling (Kalimpong).

356. *Euagoras plagiatus* (Burm.)

Distribution : Kolkata (Museum), Darjiling (Sukna, Karmatala, Darjiling) and Jalpaiguri (BTR).

357. ***Gallobelicus typicus*** Distant  
Distribution : Darjiling (Pashok).
358. ***Irantha armipes*** (stal.)  
Distribution : Darjiling (Pashok).
359. ***Isyndus reticulatus reticulatus***  
(Stal.)  
Distribution : Darjiling (Ghoom).
360. ***Lopocephala guerini*** Lap.  
Distribution : Kolkata.
361. ***Macracanthropsis hampsoni***  
Distant  
Distribution : Darjiling (Kalimpong).
362. ***Platerus pilcheri*** Distant  
Distribution : Darjiling (Brich hills, Darjiling).
363. ***Polididus armatissimus*** Stal.  
Distribution : Kolkata (Indian Museum) and  
Darjiling (Kurseong).
364. ***Rhynocoris costalis*** (Stal.)  
Distribution : Medinipur (Salbani).
365. ***Rhynocoris fuscipes*** Fabr.  
Distribution : Murshidabad (Beldanga).
366. ***Rhynocoris marginellus*** (Fabr.)  
Distribution : Haora (Botanical Garden).
367. ***Rhynocoris nigricollis*** (Dallas)  
Distribution : Darjiling (Kurseong, Ghumti).
368. ***Rihirbus trochantericus*** Stal.  
Distribution : Darjiling (Kalimpong),  
Jalpaiguri (Rajabhatkhawa).
369. ***Scipinia horrida*** (Stal.)  
Distribution : Darjiling (Singla).
370. ***Sphedanolestes bowringi*** Distant  
Distribution : Darjiling (Singla).
371. ***Sphedanolestes indicus*** Reut.  
Distribution : Darjiling (Pashok).
372. ***Sphedanolestes mendicus*** (Stal.)  
Distribution : Kolkata.
373. ***Sphedanolestes pubinotum*** Reut.  
Distribution : Darjiling (Pashok, Kalimpong,  
Kurseong).
374. ***Sphedanolestes pulchriventris*** (Stal.)  
Distribution : Darjiling (Kalimpong).
375. ***Sycanus affinis*** Reut.  
Distribution : Darjiling (Singla).
376. ***Sycanus collaris*** (Fabricius)  
Distribution : Bankura (Susunia), Jalpaiguri  
(BTR) and Medinipur (Jhargram, Jambani  
forest).
377. ***Sycanus croceovittatus*** (Fabricius)  
Distribution : Jalpaiguri (BTR).
378. ***Vesbius purpureus*** (Thunb.)  
Distribution : Kolkata (Indian Museum).
379. ***Vesbius sanguineus*** Stal.  
Distribution : Darjiling (Singla).
380. ***Villanovanus dichrous*** (Stal.)  
Distribution : Darjiling (Singla).
- Subfamily NABIDINAE
381. ***Nabis capsiformis*** Germ.  
Distribution : South 24 Pgs. and Kolkata.  
Subfamily PIRATINAE
382. ***Ectomocoris atrox*** (Stal.)  
Distribution : Kolkata and Darjiling (Singla).
383. ***Ectomocoris cordiger*** Stal.  
Distribution : Kolkata.
384. ***Ectomocoris elegans*** (Fabricius)  
Distribution : Kolkata.
385. ***Ectomocoris ochropterus*** Stal.  
Distribution : Kolkata.
386. ***Ectomocoris quadriguttatus***  
(Fabricius)  
Distribution : Kolkata.
387. ***Pirates affinis*** (Serv.)  
Distribution : Kolkata.
388. ***Pirates arcuatus*** (Stal.)  
Distribution : Kolkata and Jalpaiguri (BTR).
389. ***Pirates atromaculatus*** (Stal.)  
Distribution : Kolkata, Darjiling (Singla,  
Darjiling) and Jalpaiguri (BTR).
390. ***Pirates lepturoides*** (Wolff)  
Distribution : Kolkata.



391. *Pirates sanctus* (Fabr.)

*Distribution* : Kolkata (Indian Museum building), Haora (Sibpur) and Medinipur (Kharagpur).

392. *Sirthenea flavipes* (Stal.)

*Distribution* : Kolkata.

Subfamily SAICINAE

393. *Polytoxus pallescens* Distant

*Distribution* : Kolkata.

Family PYRRHOCORIDAE

Subfamily EUROPTHALMINAE

394. *Iphita limbata* Stal.

*Distribution* : Kolkata, Darjiling, Jalpaiguri (BTR), Maldah (Manikchak), Nadia and W. Dinajpur (Kernnijhorea).

395. *Macroceraea grandis* (Gray)

*Distribution* : Kolkata, Koch Bihar, Darjiling, Maldah (Nishipur) and Nadia (Patuli).

396. *Physopelta cincticolis* Stal.

*Distribution* : Jalpaiguri (BTR).

397. *Physopelta quadriguttata* Bergr

*Distribution* : Jalpaiguri (BTR).

398. *Physopelta gutta* Burm.

*Distribution* : Darjiling (Singla, Goom, Kurseong) and Jalpaiguri (BTR).

399. *Physopelta schlanbuschi* Fabricus

*Distribution* : Kolkata (Dattabad, Bagmari), Koch Bihar (Dinhata), Darjiling (Kurseong, Kalimpong), Jalpaiguri (BTR) and Maldah (Gaur).

Subfamily PYRRHOCORINAE

400. *Antilochus coquebertii* (Fabricus)

*Distribution* : Kolkata, Darjiling (Chinabati, Morpong, Mal forest) and Jalpaiguri (BTR).

401. *Antilochus russes* Stal.

*Distribution* : Darjiling and W. Dinajpur (Rayganj).

402. *Dindimus lanius* Stal.

*Distribution* : Darjiling.

403. *Dindimus rubiginosus* Fabr.

*Distribution* : Jalpaiguri (BTR).

404. *Dysdercus evanescens* Distant

*Distribution* : Darjiling (Kalijhora, Rangiroom Rangpo, Sukiapukri, Hanafalls, Ghum Bhanjang) and Jalpaiguri (Madrihat, Garumara Forest).

405. *Dysdercus koenigii* (Fabricius)

*Distribution* : Kolkata, Darjiling (Singla), Jalpaiguri (Hasimara), Murshidabad (Kadampur) and Nadia (Bahadurpur forest).

406. *Dysdercus olivaceus* Fabr.

*Distribution* : Jalpaiguri (BTR).

407. *Dysdercus poceilus* (H&S)

*Distribution* : Darjiling.

408. *Euscopus rufipes* Stal.

*Distribution* : Darjiling (Lebong).

409. *Megadysdercus mesiostigma*  
(Distant)

*Distribution* : Darjiling.

410. *Melamphaus rubrocinctus* (Stal.)

*Distribution* : Kolkata and Darjiling (Kurseong, Pashok).

411. *Melamphaus rubrocinctus* (Stal.)

*Distribution* : Darjiling.

412. *Odontopus nigricornis* Stal.

*Distribution* : Darjiling (Sukna, Mahanadi) and Jalpaiguri (Apalchand, Kathambari).

413. *Odontopus scutellaris* Walker

*Distribution* : Darjiling and Jalpaiguri.

414. *Pyrrhopeplus carduelis* var.  
*posthumus* Horvath

*Distribution* : Darjiling (Gayabari, Mahanadi).

415. *Pyrrhopeplus pictus* Distant

*Distribution* : Darjiling.

416. *Scantius forsteri volucris* Gerort

*Distribution* : Kolkata (Tollygunge).

Family APHIDIDAE

Subfamily APHIDINAE

417. *Aphis fabae* Scopoli group

*Distribution* : Not known.

418. *Aphis citricola* Van der Goot  
Distribution : Jalpaiguri (Raydak)
419. *Aphis craccivora* Koch  
Distribution : Not known.
420. *Aphis glycines* Matsumura  
Distribution : Darjiling.
421. *Aphis gossypii* Glover Group  
Distribution : Jalpaiguri (Raydak)
422. *Aphis kurosawai* Takahashi  
Distribution : Darjiling.
423. *Aphis longisetosa* Basu  
Distribution : Darjiling.
424. *Aphis nasturtii* Kaltenbach  
Distribution : Not known.
425. *Aphis nerii* Boyer de Fonscolombe  
Distribution : Not known.
426. *Aphis punicae* Passerini  
Distribution : Darjiling.
427. *Aphis rubifolii* Thomas  
Distribution : Darjiling.
428. *Indiaphis crassicornis* Basu  
Distribution : Darjiling.
429. *Hyalopterus pruni* (Geoffroy)  
Distribution : Darjiling.
430. *Hysteroneura setariae* (Thomas)  
Distribution : Not known.
431. *Toxoptera aurantii* (Boyer de Fonscolombe)  
Distribution : Jalpaiguri (Raydak).
432. *Toxoptera citricidus* (Kirkaldy)  
Distribution : Jalpaiguri (Raydak).
433. *Toxoptera odinae* van der Goot  
Distribution : Not known.
434. *Melanaphis bambusae* (Fullaway)  
Distribution : Darjiling.
435. *Melanaphis meghalayensis bengalensis* Raychaudhuri and Banerjee  
Distribution : Darjiling.
436. *Melanaphis sacchari* (Zehntner)  
Distribution : Not known.
437. *Melanaphis vandergooti* Raychaudhuri and Banerjee  
Distribution : Darjiling.
438. *Rhopalosiphum maidis* (Fitch)  
Distribution : Bankura, Barddaman, Birbhum, Kolkata, Koch Bihar, Darjiling, Haora, Hugli, Jalpaiguri, Maldah, Medinipur and Murshidabad.
439. *Rhopalosiphum nymphaeae* (Linnaeus)  
Distribution : Kolkata and Darjiling.
440. *Rhopalosiphum padi* (Linnaeus)  
Distribution : Darjiling.
441. *Rhopalosiphum rufiabdominalis* (Sasaki)  
Distribution : Not known.
442. *Schizahis ? punjabipyri* (Das)  
Distribution : Darjiling.
443. *Schizaphis graminum* (Rondani)  
Distribution : Darjiling.
444. *Acrythosiphon pisum* (Harris)  
Distribution : Not known.
445. *Acutosiphon obliquoris* Basu, Ghosh and Raychaudhuri  
Distribution : Darjiling.
446. *Acyrtosiphon caraganae* (Cholodkosky)  
Distribution : Darjiling.
447. *Acyrtosiphon malvae* (Mosley)  
Distribution : Darjiling.
448. *Acyrtosiphon rubi* (Narzikulov)  
Distribution : Darjiling.
449. *Aiceona longisetosa* Ghosh and Raychaudhuri  
Distribution : Darjiling.
450. *Akkaia bengalensis* Basu  
Distribution : Darjiling.
451. *Akkaia neopolygoni* Ghosh, Ghosh, and Raychaudhuri  
Distribution : Darjiling.

452. *Aleurodaphis blumeae* van der Goot  
Distribution : Darjiling.
453. *Amphicercidus indicus* Hille Ris Lambers and Basu  
Distribution : Darjiling.
454. *Amphorophora ampullata bengalensis* Hille Ris Lambers and Basu  
Distribution : Darjiling.
455. *Aulacorthum (Neomyzus) circumflexum* Buckton  
Distribution : Not known.
456. *Aulacorthum (Neomyzus) dendrobii* (Basu)  
Distribution : Darjiling.
457. *Aulacorthum fagopyri* Ghosh and Raychaudhuri  
Distribution : Darjiling.
458. *Aulacorthum magnoliae* (Essig and Kuwana)  
Distribution : Darjiling.
459. *Aulacorthum nipponicum* (Essig and Kuwana)  
Distribution : Darjiling.
460. *Aulacorthum rhamni*. Ghosh, Ghosh and Raychaudhuri  
Distribution : Darjiling.
461. *Aulacorthum solani* (Kaltenbach)  
Distribution : Not known.
462. *Brachycaudus helichrysi* (Kaltenbach)  
Distribution : Not known.
463. *Brachymyzus jasmini* Basu  
Distribution : Darjiling.
464. *Brevicoryne brassicae* (Linnaeus)  
Distribution : Not known.
465. *Capitophorus formosartemisiae* (Takahashi)  
Distribution : Darjiling.
466. *Capitophorus himalayensis* Ghosh, Ghosh and Raychaudhuri  
Distribution : Darjiling.
467. *Capitophorus hippophaes javanicus* Hille Ris Lambers  
Distribution : Darjiling.
468. *Capitophorus hippophaes mitegoni* Eastop  
Distribution : Kolkata and Darjiling.
469. *Capitophorus indicus* Ghosh and Raychaudhuri  
Distribution : Darjiling.
470. *Capitophorus mitegoni* Eastop  
Distribution : Darjiling.
471. *Cavariella aegopodi* (Scopoli)  
Distribution : Darjiling.
472. *Cavariella biswasi* Ghosh, Basu and Raychaudhuri  
Distribution : Darjiling.
473. *Cavariella nigra* Basu  
Distribution : Darjiling.
474. *Cavariella salicicola* (Matsumura)  
Distribution : Darjiling.
475. *Coloradoa rufomaculata* (Wilson)  
Distribution : Darjiling.
476. *Cryptosiphum artemisiae* Buckton  
Distribution : Darjiling.
477. *Diphorodon cannabis* (Borner)  
Distribution : Darjiling.
478. *Dysaphis multisetosa* Basu  
Distribution : Darjiling.
479. *Eymyzus Darjilingensis* Basu and Raychaudhuri  
Distribution : Darjiling.
480. *Hayhurstia atriplicis* (Linnaeus)  
Distribution : Darjiling.
481. *Hillerislambersia Darjilingi* Basu  
Distribution : Darjiling.
482. *Hyadaphis coriandri* (Das)  
Distribution : Darjiling.

483. *Hyperomyzus carduellinus* (Theobald)  
Distribution : Darjiling.
484. *Impatiens impatiens* (Shinji)  
Distribution : Darjiling.
485. *Indomyzus sensoriatus* Ghosh,  
Ghosh and Raychaudhuri  
Distribution : Darjiling.
486. *Liosomaphis himalayensis* Basu  
Distribution : Darjiling.
487. *Lipahis erysimi* (Kaltenbach)  
Distribution : Jalpaiguri (BTR).
488. *Macromyzella polypodicola* Ghosh,  
Basu and Raychaudhuri  
Distribution : Darjiling.
489. *Macromyxus (Anthracosiphoniella) maculatum* (Basu)  
Distribution : Darjiling.
490. *Macromyxus (Macromyzus) woodwardiae* Takahashi  
Distribution : Darjiling.
491. *Macromyxus manoji* Raha and Raychaudhuri  
Distribution : Darjiling.
492. *Macrosiphoniella (Phalangomyzus) grandicauda* Takahashi and Moritsu  
Distribution : Darjiling.
493. *Macrosiphoniella kalimpongensis* Basu and Raychaudhuri  
Distribution : Darjiling.
494. *Macrosiphoniella pseudoartemesiae* Shinji  
Distribution : Darjiling.
495. *Macrosiphoniella sanborni* (Gillette)  
Distribution : Not known.
496. *Macrosiphoniella spinepes* Basu  
Distribution : Darjiling.
497. *Macrosiphoniella yomogifoliae* (Shinji)  
Distribution : Darjiling.
498. *Macrosiphum (Macrosiphum) rosae* (Linnaeus)  
Distribution : Darjiling.
499. *Macrosiphum (Macrosiphum) Pachysiphon* Hille Ris Lambers  
Distribution : Darjiling.
500. *Macrosiphum fagopyri* Ghosh & Raychaudhuri  
Distribution : Darjiling.
501. *Matsumuraja capitophoroides* Hille Ris Lambers  
Distribution : Darjiling.
502. *Matsumuraja nuditerga* Hille Ris Lambers  
Distribution : Darjiling.
503. *Matsumuraja urticae* Ghosh, Ghosh and Raychaudhuri  
Distribution : Darjiling.
504. *Metopolophium (Metopolophinum) darjeelingensis* Ghosh  
Distribution : Darjiling.
505. *Metopolophium (Metopolophinum) davidi* Raychaudhuri, Ghosh and Basu  
Distribution : Darjiling.
506. *Metopolophium (Metopolophinum)* Raychaudhuri, Ghosh and Basu  
Distribution : Darjiling.
507. *Micromyzus granoitae* Ghosh, Ghosh and Raychaudhuri  
Distribution : Darjiling.
508. *Micromyzus judenkoi* Carver  
Distribution : Darjiling.
509. *Micromyzus kalimpongensis* Basu  
Distribution : Darjiling.

510. *Micromyzus nigrum* Van der Goot  
Distribution : Darjiling.
511. *Myzackaia himalayensis* Basu  
Distribution : Darjiling.
512. *Myzackaia polygonicola* Basu  
Distribution : Darjiling.
513. *Myzackaia kuwanis* (Ghosh, Basu and Raychaudhuri)  
Distribution : Darjiling.
514. *Myzus (Nectarosiphon) persicae* (Sulzer)  
Distribution : Not known.
515. *Myzus (Nectarosiphon) ascalonicus* Doncaster  
Distribution : Darjiling.
516. *Myzus (Sciamyzus) cymbalariae* Stroyan  
Distribution : Darjiling.
517. *Myzus breviformosanus siphon* Takahashi  
Distribution : Darjiling.
518. *Myzus cerasi umifoliae* (Shinji)  
Distribution : Darjiling.
519. *Myzus dycei* Carver  
Distribution : Darjiling.
520. *Myzus filicis* Basu  
Distribution : Darjiling.
521. *Myzus lefroyi* Basu and Raychaudhuri  
Distribution : Darjiling.
522. *Myzus leptotrichus* David, Rajasingh and Narayanan  
Distribution : Darjiling.
523. *Myzus maculocarpus* Basu and Raychaudhuri  
Distribution : Darjiling.
524. *Myzus manoji* Basu and Raychaudhuri  
Distribution : Darjiling.
525. *Myzus ornatus* Laing  
Distribution : Not known.
526. *Myzus persicae* (Sulzer)  
Distribution : Jalpaiguri (BTR).
527. *Myzus ranunculinus* (Walker)  
Distribution : Darjiling.
528. *Myzus siegesbeckicola* Strand  
Distribution : Darjiling.
529. *Neoacyrthosiphon holsti* Takahashi  
Distribution : Darjiling.
530. *Neoacyrthosiphon rhododendri* Ghosh and Raychoudhuri  
Distribution : Darjiling.
531. *Neoacyrthosiphon takahashii* Ghosh  
Distribution : Darjiling.
532. *Neomyzus (Paraneomyzus) decentrae* (Basu)  
Distribution : Darjiling.
533. *Neomyzus dendrobi* (Basu)  
Distribution : Not known.
534. *Neomyzus circumflexus* (Buckton)  
Distribution : Not known.
535. *Oedisiphum soureni* Basu  
Distribution : Darjiling.
536. *Pentalonia nigronervosa* Coquerel  
Distribution : Not known.
537. *Perllaphis perillae* (Shinji)  
Distribution : Darjiling.
538. *Pleotrichophorus glandulosus* (Kaltenbach)  
Distribution : Darjiling.
539. *Pseudaphis abyssinica* Hille Ris lammers  
Distribution : Darjiling.
540. *Rhodobium porosum* (Sanderson)  
Distribution : Darjiling.
541. *Semiaphis heraclei* (Takahashi)  
Distribution : Darjiling.
542. *Shinjia pteridifoliae* Shinji  
Distribution : Darjiling.

543. ***Sinomegoura citricola*** (van der Goot)  
Distribution : Darjiling.
544. ***Sinomegoura photinae*** (Takahashi)  
Distribution : Darjiling.
545. ***Sinomegoura rhododendri***  
(Takahashi)  
Distribution : Darjiling.
546. ***Sitobion akebiae*** (Shinji)  
Distribution : Darjiling.
547. ***Sitobion aulacorthoide*** (David,  
Narayanan and Rajasingh)  
Distribution : Darjiling.
548. ***Sitobion gravelii*** (Goot)  
Distribution : Darjiling.
549. ***Sitobion indicum*** (Basu)  
Distribution : Darjiling.
550. ***Sitobion lambersi*** David  
Distribution : Darjiling.
551. ***Sitobion microspinulosum*** David,  
Narayanan and Raychaudhuri  
Distribution : Darjiling.
552. ***Sitobion mimosae*** (Ghosh, Basu and  
Raychaudhuri)  
Distribution : Darjiling.
553. ***Sitobion miscanthi*** (Takahashi)  
Distribution : Darjiling.
554. ***Sitobion plectranthi*** Ghosh, Ghosh  
and Raychaudhuri  
Distribution : Darjiling.
555. ***Sitobion pseudoluteum*** (Ghosh)  
Distribution : Darjiling.
556. ***Sitobion rosaeformis*** (Das)  
Distribution : Not known.
557. ***Sitobion sikkimensis*** (Ghosh and  
Raychaudhuri)  
Distribution : Darjiling.
558. ***Sitobion takahashii*** (Eastop)  
Distribution : Darjiling.
559. ***Subovatomyzus leucosceptri*** Basu  
Distribution : Darjiling.
560. ***Taiwanomyzus darjilingensis***  
Ghosh, Basu and Raychaudhuri  
Distribution : Darjiling.
561. ***Taiwanaphis kalipadi*** (Raychaudhuri  
and Ghosh)  
Distribution : Darjiling.
562. ***Tricaudatus polygona*** (Narzikulov)  
Distribution : Darjiling.
563. ***Trichaitophorus recurvispinus***  
Hille Ris Lambers and Basu  
Distribution : Darjiling.
564. ***Trichosiphonaphis (Xenomyzus)  
polygona*** (van der Goot)  
Distribution : Darjiling.
565. ***Trichosiphonaphis gerbarae*** Ghosh  
and Raychaudhuri  
Distribution : Darjiling.
566. ***Tuberaphis hydrangeae digitata***  
Hille Ris Lambers and Basu  
Distribution : Darjiling.
567. ***Tuberaphis indica*** Ghosh and  
Raychaudhuri  
Distribution : Darjiling.
568. ***Tuberaphis loranthi*** (van der Goot)  
Distribution : Darjiling.
569. ***Tuberocephalus sasaki*** (Matsumura)  
Distribution : Darjiling.
570. ***Uroleucon (Uremelan) gobonis***  
(Matsumura)  
Distribution : Darjiling.
571. ***Uroleucon (Uroleucon)  
formosanus crepidis*** Ghosh, Ghosh and  
Raychaudhuri  
Distribution : Darjiling.
572. ***Uroleucon (Uroleucon) sonchi***  
(Linnaeus)  
Distribution : Not known.
573. ***Uroleucon (Uromelan) compositae***  
(Theobald)  
Distribution : Darjiling.

574. *Uroleucon (Uromelan) lambersi* Ghosh, Basu and Raychaudhuri  
Distribution : Darjiling.
575. *Uroleucon budhium* Banerjee, Ghosh and Raychaudhuri  
Distribution : Darjiling.
576. *Vesiculaphis caricis* (Fullaway)  
Distribution : Darjiling.
577. *Vesiculaphis grandis* Basu  
Distribution : Darjiling.
578. *Vesiculaphis kalimpongensis* Ghosh, Basu and Raychaudhuri  
Distribution : Darjiling.
579. *Vesiculaphis pieridis* Basu  
Distribution : Darjiling.
580. *Vesiculaphis rhododendri* Ghosh and Raychaudhuri  
Distribution : Darjiling.
581. *Vesiculaphis verbasci* Chowdhuri, Basu, Chakrabarti and  
Distribution : Darjiling.
582. *Xenomyzus polygona* (vander Goot)  
Distribution : Darjiling.
583. *Xenomyzus scabripes* Basu, Ghosh and Raychaudhuri  
Distribution : Darjiling.
584. *Pterocomma* sp.  
Distribution : Darjiling.  
Subfamily ANNOECIINAE
585. *Aiceona pallida* Ghosh and Raychaudhuri  
Distribution : Darjiling.
586. *Aiceona paraosugii* Ghosh and Raychaudhuri  
Distribution : Darjiling.
587. *Aiceona pseudosugii* David, Sekhon and Bindra  
Distribution : Darjiling.
588. *Aiceona retipennis* David, Narayanan and Rajasingh  
Distribution : Darjiling.
589. *Aiceona robustiseta* Ghosh and Raychaudhuri  
Distribution : Darjiling.
590. *Aiceona titabarensis* (Raychaudhuri and Ghosh)  
Distribution : Darjiling.
591. *Anoecia radiciphaga* Pal and Raychaudhuri  
Distribution : Darjiling.  
Subfamily CALLIPTERINAE
592. *Betacallis prunicola* Basu, Ghosh and Raychaudhuri  
Distribution : Darjiling.
593. *Betacallis quericiphaga* Basu, Ghosh and Raychaudhuri  
Distribution : Darjiling.
594. *Betulaphis longicornis* Quednau and Chakrabarti  
Distribution : Darjiling.
595. *Clethrobius dryobius* Chakrabarti and Raychaudhuri  
Distribution : Darjiling.
596. *Chaitophorus dorocolus* Matsumura  
Distribution : Darjiling.
597. *Chaitophorus indicus* Ghosh, Ghosh and Raychaudhuri  
Distribution : Darjiling.
598. *Chaitophorus* sp.  
Distribution : Darjiling.
599. *Cranaphis indica* Chakrabarti and Raychaudhuri  
Distribution : Darjiling.
600. *Mesocallis obtusirostris* Ghosh  
Distribution : Darjiling.
601. *Neocranaphis pusilla* Basu  
Distribution : Not known.

602. ***Periphyllus bengalensis*** Ghosh and Raychaudhuri

*Distribution* : Darjiling.

603. ***Periphyllus californiensis*** Shinji

*Distribution* : Darjiling.

604. ***Periphyllus himalayensis***

Chakrabarti

*Distribution* : Darjiling.

605. ***Shivaphis celti*** Das

*Distribution* : Darjiling.

606. ***Subtakecallis brevisetosus***

Raychaudhuri and Pal

*Distribution* : Darjiling.

607. ***Subtakecallis pilosa*** (David,

Rajasingh and Narayanan)

*Distribution* : Darjiling.

608. ***Takecallis arundinariae*** (Essig)

*Distribution* : Darjiling.

609. ***Taoia indica*** (Ghosh and

Raychaudhuri)

*Distribution* : Darjiling.

610. ***Taiwanaphis kalipadi***

(Raychaudhuri and Ghosh)

*Distribution* : Darjiling.

611. ***Tinocallis distinctus*** Ghosh, Ghosh and Raychaudhuri

*Distribution* : Darjiling.

612. ***Tinocallis himalayensis*** Ghosh, Ghosh and Raychaudhuri

*Distribution* : Darjiling.

613. ***Tinocallis kahawaluokalani***

(Kirkaldy)

*Distribution* : Darjiling and Jalpaiguri (BTR).

614. ***Trichaitophorus recurvispinus***

Hille Ris Lambers and Basu

*Distribution* : Darjiling.

615. ***Yamatocallis obscura*** (Ghosh, Ghosh and Raychaudhuri)

*Distribution* : Darjiling.

Subfamily GREENIDEINAE

616. ***Anomalosiphum indigoferae***

Ghosh, Ghosh and Raychoudhuri

*Distribution* : Darjiling.

617. ***Brevitrichosiphon raychaudhurii***

Raychaudhuri, Ghosh, Banerjee and Ghosh

*Distribution* : Darjiling.

618. ***Cervaphis rappardi indica*** Basu

*Distribution* : Darjiling.

619. ***Cerataphis lataniae*** (Boisduval,)

*Distribution* : Darjiling.

620. ***Euthoracaphis heterotricha*** Ghosh and Raychaudhuri

*Distribution* : Darjiling.

621. ***Eutrichosiphum (Neoparatrichosiphum) raychaudhuri*** (Ghosh)

*Distribution* : Darjiling.

622. ***Eutrichosiphum (Eutrichosiphum) pasaniae*** Szelegiewicz

*Distribution* : Darjiling.

623. ***Eutrichosiphum (Eutrichosiphum) sankari*** Raychaudhuri, Ghosh, Banerjee and Ghosh

*Distribution* : Darjiling.

624. ***Eutrichosiphum (Eutrichosiphum) taoi*** Ghosh, Basu and Raychaudhuri

*Distribution* : Darjiling.

625. ***Eutrichosiphum (Paratrichosiphum) alnicola*** (Basu)

*Distribution* : Darjiling.

626. ***Eutrichosiphum (Paratrichosiphum) tattakanum*** (Takahashi)

*Distribution* : Darjiling.

627. ***Greenidea (Greenidea) Chakrabartii*** Raychaudhuri, Saha and Kundu

*Distribution* : Jalpaiguri (BTR).

628. ***Greenidea (Greenidea) longirostris*** Basu

*Distribution* : Darjiling.



629. *Greenidea (Greenidea) ficicola*  
Takahashi  
Distribution : Darjiling.
630. *Greenidea (Greenidea) longicornis*  
Ghosh, Ghosh and Raychaudhuri  
Distribution : Darjiling.
631. *Greenidea (Greenidea) neoficicola*  
Ghosh, Ghosh and Raychaudhuri  
Distribution : Darjiling.
632. *Greenidea (Greenidea) photiniphaga* Raychaudhuri  
Distribution : Darjiling.
633. *Greenidea (Neogreenidea) ayyari*  
Raychaudhuri, Ghosh, Banerjee and Ghosh  
Distribution : Darjiling.
634. *Greenidea (Neogreenidea) longisetosa* Raychaudhuri, Ghosh, Banerjee and Ghosh  
Distribution : Darjiling.
635. *Greenidea (Neogreenidea) querciphaga* Raychadhuri, Ghosh, Banerjee and Ghosh  
Distribution : Darjiling.
636. *Greenidea (Paragreenidea) symplocosis* Ghosh, Basu and Raychadhuri  
Distribution : Darjiling.
637. *Greenidea (Trichosiphum) anonae* (Pergande)  
Distribution : Darjiling.
638. *Greenidea (Trichosiphum) bucktoni* Ghosh, Basu and Raychaudhuri  
Distribution : Darjiling.
639. *Greenidea (Trichosiphum) formosana heeri* Raychaudhuri, Ghosh, Banerjee and Ghosh  
Distribution : Darjiling.
640. *Greenidea (Trichosiphum) schoutedeni* Raychaudhuri, Ghosh, Banerjee and Ghosh  
Distribution : Darjiling.
641. *Greenidea (Trichosiphum) spinotibium* Chatterjee and Raychaudhuri  
Distribution : Darjiling.
642. *Greenidea chakrabarti*  
Distribution : Jalpaiguri (BTR).
643. *Greenideoidea (Neogreenideoidea)* Raychadhuri and Chatterjee  
Distribution : Darjiling.
644. *Greenideoidea (Pentatrichosiphum) luteum* (Basu)  
Distribution : Darjiling.
645. *Holotrichosiphum dubius* (van der Goot)  
Distribution : Darjiling.
646. *Holotrichosiphum russellae* Ghosh and Raychaudhuri  
Distribution : Darjiling.
647. *Mollitrichosiphum (Metatrichosiphon) alni* Ghosh, Ghosh and Raychaudhuri  
Distribution : Darjiling.
648. *Mollitrichosiphum (Metatrichosiphon) nandii* Basu  
Distribution : Darjiling.
649. *Mollitrichosiphum (Mollitrichosiphum) shinji* Raychaudhuri, Ghosh Banerjee and Ghosh.  
Distribution : Darjiling.
650. *Mollitrichosiphum (Mollitrichosiphum) tenuicarpus* (Okajima)  
Distribution : Darjiling.
651. *Schoutedenia lutea* (van der Goot)  
Distribution : Jalpaiguri (BTR).
652. *Sumatraphis celti* Takahashi  
Distribution : Darjiling.
- Subfamily HORMAPHIDINAE
653. *Astegopteryx minuta* (van der Goot)  
Distribution : Darjiling.
654. *Cerataphis lataniae* (Ghesquire)  
Distribution : Darjiling.

655. ***Ceratoglyphina bambusae bengalensis*** Ghosh  
*Distribution* : Darjiling.
656. ***Ceratovacuna indica*** Ghosh, Pal and Raychaudhuri  
*Distribution* : Darjiling.
657. ***Ceratovacuna lanigera*** Zehnter  
*Distribution* : Darjiling.
658. ***Ceratovacuna perglandulosa*** Basu, Ghosh and Raychaudhuri  
*Distribution* : Darjiling.
659. ***Ceratovacuna silvestrii*** (Takahashi)  
*Distribution* : Darjiling.
660. ***Ceratovacuna spinulosa*** Ghosh and Raychadhuri  
*Distribution* : Darjiling.
661. ***Chaitoregma tattakana*** (Takahashi)  
*Distribution* : Darjiling.
662. ***Glyphinaphis bambusae*** van der Goot  
*Distribution* : Darjiling.
663. ***Pseudoastegopteryx himalayensis*** Ghosh  
*Distribution* : Darjiling.
664. ***Pseudoastegopteryx alexandri*** (Takahashi)  
*Distribution* : Darjiling.
665. ***Pseudoastegopteryx bucktoni*** Ghosh, Pal and Raychaudhuri  
*Distribution* : Darjiling.
666. ***Pseudoastegopteryx a panicola*** (Takahashi)  
*Distribution* : Darjiling.
667. ***Hemipodaphis monstrata*** David, Narayanan and Rajasingh  
*Distribution* : Darjiling.
668. ***Nipponaphis (Pseudonipponaphis) himalayensis*** Ghosh and Raychaudhuri  
*Distribution* : Darjiling.
669. ***Nipponaphis (Pseudonipponaphis) machilibhaga*** Takahashi  
*Distribution* : Darjiling.
670. ***Nipponaphis manoji*** Ghosh and Raychaudhuri  
*Distribution* : Darjiling.
671. ***Sinonipponaphis halboelliae*** (Ghosh and Raychaudhuri)  
*Distribution* : Darjiling.
672. ***Tubearphis indica*** Ghosh, Ghosh and Raychaudhuri  
*Distribution* : Darjiling.
673. ***Tubearphis loranthi*** (von der Goot).  
*Distribution* : Darjiling.  
 Subfamily LACHNINAE
674. ***Lachnus tropicalis*** (van der Goot)  
*Distribution* : Darjiling and Jalpaiguri (BTR).
675. ***Nippolachnus bengalensis*** Basu and Hille Ris Lambers  
*Distribution* : Darjiling.
676. ***Nippolachnus piri*** Matsumura  
*Distribution* : Darjiling.
677. ***Nippolachnus himalayensis*** (van der Goot)  
*Distribution* : Darjiling.
678. ***Pyrolachnus pyri*** (Buckton)  
*Distribution* : Darjiling.
679. ***Stomaphis mordvilkoii*** Hille Ris Lambers  
*Distribution* : Darjiling.
680. ***Tuberolachnus (Tuberlachniella) scleratus*** Hille Ris Lambers and Basu  
*Distribution* : Darjiling.
681. ***Tuberolachnus salignus*** (Gmelin)  
*Distribution* : Darjiling.  
 Subfamily PEMPHIGINAE
682. ***Chaetogeioica graminiphaga*** Raychaudhuri, Pal and Ghosh  
*Distribution* : Darjiling.

683. ***Chaetogeoica polychaeta***  
Raychaudhuri, Pal and Ghosh  
*Distribution* : Not known.
684. ***Cinara tujafitina*** (Del Guercio)  
*Distribution* : Jalpaiguri (BTR).
685. ***Ceratoglyphina bambusae bengalensis*** Ghosh  
*Distribution* : Darjiling.
686. ***Formosaphis micheliae*** Takahashi  
*Distribution* : Darjiling.
687. ***Geocia sikkimensis*** Raychaudhuri,  
Pal and Ghosh  
*Distribution* : Kolkata.
688. ***Geoica lucifuga*** (Zehntner)  
*Distribution* : Kolkata.
689. ***Chaitoregma tattakana*** (Takahashi)  
*Distribution* : Darjiling.
690. ***Forda marginata*** Koch  
*Distribution* : Kolkata.
691. ***Pemphigus vulgaris*** Raychaudhuri,  
Ghosh and Pal  
*Distribution* : Darjiling.
692. ***Platyleura assamensis***  
Raychoudhuri and Ghosh  
*Distribution* : Jalpaiguri (BTR).
693. ***Prociphilus micheliae*** Hille Ris  
Lambers  
*Distribution* : Darjiling and Jalpaiguri (BTR).
694. ***Scoutedenia lutea*** (van der Goot)  
*Distribution* : Darjiling.
695. ***Tetraneura (Indotetraneura) basui*** Hille Ris Lambers  
*Distribution* : Darjiling.
696. ***Tetraneura (Tetraneura) kalinmpongensis*** Raychaudhuri, Pal and  
Ghosh  
*Distribution* : Darjiling.
697. ***Tetraneura (Tetraneura) multisetosa*** Raychaudhuri, Pal and Ghosh  
*Distribution* : Darjiling.
698. ***Tetraneura (Tetraneurella) nigriabdominalis*** (Sasaki)  
*Distribution* : Darjiling.
699. ***Tetraneura radiccicola Strand yezoensis*** Matsumura group  
*Distribution* : Darjiling.
700. ***Smynthurodes betae*** Westwood  
*Distribution* : Kolkata.  
Family APHIDIDAE
701. ***Cinara tujafilina*** (del Guercio)  
*Distribution* : Jalpaiguri (Raydall).  
Family CERCOPIDAE  
Subfamily CERCOPINAE
702. ***Abidama producta*** (Walker)  
*Distribution* : Darjiling.
703. ***Abidama rufula*** Distant  
*Distribution* : Darjiling.
704. ***Aphrophora nancyae*** Distant  
*Distribution* : Darjiling.
705. ***Aphrophora permutata*** Uhler  
*Distribution* : Kolkata.
706. ***Aphrophora sigillifera*** Walker  
*Distribution* : Darjiling.
707. ***Callitettix versicolor*** (Fabricius)  
*Distribution* : Bankura.
708. ***Clovia bipunctata*** Kirby  
*Distribution* : South 24 Pgs., Hugli and  
Nadia.
709. ***Clovia conifer*** (Walker)  
*Distribution* : Darjiling, Hugli and Puruliya.
710. ***Clovia puncta*** (Walker)  
*Distribution* : Barddhaman.
711. ***Cosmoscarta decisa*** (Walker)  
*Distribution* : Darjiling and Jalpaiguri (Bani  
Forest, Chilapata).
712. ***Cosmoscarta dimiata*** var.  
***tripunctata*** Atkinson  
*Distribution* : Jalpaiguri (Bani forest,  
Chilapata).

713. *Cosmoscarta dorsimacula* (Walker)  
*Distribution* : Darjiling and Jalpaiguri (Jaldapara Sanctuary).
714. *Cosmoscarta egens* (Walker)  
*Distribution* : Darjiling.
715. *Cosmoscarta fumosa* Distant  
*Distribution* : Not known.
716. *Cosmoscarta fumosa* var. *obscura* Lallemard  
*Distribution* : Not known.
717. *Cosmoscarta hyalinipennis* Distant  
*Distribution* : Darjiling.
718. *Cosmoscarta macgillivrayi* Distant  
*Distribution* : Darjiling.
719. *Cosmoscarta metallica* Distant  
*Distribution* : Darjiling.
720. *Cosmoscarta minor* Atkins  
*Distribution* : Darjiling.
721. *Cosmoscarta setapunctata* (Walker)  
*Distribution* : Darjiling.
722. *Cosmoscarta thoracica* Distant  
*Distribution* : Darjiling.
723. *Cosmoscarta trigona* (Walker)  
*Distribution* : Darjiling.
724. *Eoscarta fusca* Distant  
*Distribution* : Darjiling.
725. *Hindoloides indicans* Distant  
*Distribution* : Kolkata.
726. *Jembrana bipartita* Distant  
*Distribution* : Not known.
727. *Jembrana costalis* Distant  
*Distribution* : Darjiling.
728. *Jembrana obesa* Distant  
*Distribution* : Darjiling.
729. *Leptataspis fulviceps* (Dallas)  
*Distribution* : Darjiling.
730. *Paphnutius ostentus* Distant  
*Distribution* : Darjiling.
731. *Philagra fusiformes* (Walker)  
*Distribution* : Darjiling.
732. *Phymatostetha basiclava* (Walker)  
*Distribution* : Darjiling.
733. *Phymatostetha pudens* (Walker)  
*Distribution* : Not known.
734. *Poophilus costalis* (Walker)  
*Distribution* : Barddhaman, Kolkata, Darjiling, Medinipur and Nadia.
735. *Ptyelus affinis* Distant  
*Distribution* : Kolkata.
736. *Ptyelus hirsutus* (Kirby)  
*Distribution* : Hugli.
737. *Ptyelus nebulosus* (Fabricius)  
*Distribution* : Nadia (Bahadurpura Forest).
738. *Ptyelus prae fractus* (Distant)  
*Distribution* : Darjiling.
- Subfamily MACHAEROTINAE
739. *Machaerota assamensis* Distant  
*Distribution* : Darjiling.
740. *Machaerota planitiae* Distant  
*Distribution* : Kolkata.
- Family CICADELLIDAE
741. *Amritodus atkinsoni* (Lethierry)  
*Distribution* : North 24 Pgs. , Jalpaiguri and Maldah.
742. *Cofana spectra* (Distant)  
*Distribution* : Bankura, Kolkata, Jalpaiguri, Maldah and Puruliya.
743. *Cicadula indica* Pruthi  
*Distribution* : Not known.
744. *Cofana mimica* (Distant)  
*Distribution* : North 24 Pgs., Kolkata, Koch Bihar, Jalpaiguri and Medinipur.
745. *Deltocephalus notatus* Pruthi  
*Distribution* : Not known.
746. *Empoasca* sp.  
*Distribution* : Not known.
747. *Eugnathodus indica* Pruthi  
*Distribution* : Not known.

748. *Eugnathodus ocellatus* Pruthi  
Distribution : Not known.
749. *Eugnathodus (Nesosteles) sanguinescens* (Kirkaldy)  
Distribution : Kolkata.
750. *Eutettix physitis* Distant  
Distribution : Kolkata and Maldah.
751. *Evacanthus repexus* (Distant)  
Distribution : Darjiling (Tindharia).
752. *Exitianus atkinsoni* (Distant)  
Distribution : Kolkata, Darjiling and W. Dinajpur.
753. *Exitianus indicus* (Distant)  
Distribution : Kolkata, Maldah and W. Dinajpur.
754. *Exitianus nanus* (Distant)  
Distribution : Kolkata, Jalpaiguri and Maldah.
755. *Goniagnathus punctifer* Walker  
Distribution : Bankura, Darjiling and Puruliya.
756. *Hardiana thaiosimilis* Distant  
Distribution : Not known.
757. *Iassus indicus* (Lethirerry)  
Distribution : Dinajpur.
758. *Idiscopus clypealis* (Lethierry)  
Distribution : Jalpaiguri and Maldah.
759. *Idiscopus bimaculatus* (Distant)  
Distribution : Jalpaiguri and Maldah.
760. *Atkinsoniella gonesha* Distant  
Distribution : Darjiling.
761. *Atkinsoniella opponens* (Walker)  
Distribution : Darjiling and Jalpaiguri.
762. *Atkinsoniella raja* Distant  
Distribution : Darjiling (Siliguri).
763. *Atkinsoniella unimaculata* Signoret  
Distribution : Kolkata, Darjiling and Jalpaiguri.
764. *Krisna strigicollis* (Spinola)  
Distribution : Bankura.
765. *Nephotettix malayanus* Ishihara & Kuwase  
Distribution : Not known.
766. *Nephotettix nigropicta* (Stal.)  
Distribution : Bankura, Koch Bihar, Darjiling and Nadia.
767. *Nephotettix parvus* Ishihara & Kuwase  
Distribution : Not known.
768. *Nephotettix virescens* (Fabricius)  
Distribution : Bankura, Kolkata, Koch Bihar, Jalpaiguri, Maldah and Puruliya.
769. *Inazuma dorsalis* (de Mots)  
Distribution : Not known.
770. *Thamnotettix bicolor* Pruthi  
Distribution : Not known.
771. *Thamnotettix chhota* Pruthi  
Distribution : Kolkata.
772. *Hecalus* sp.  
Distribution : Not known.
773. *Hecalus porrecta* Walker  
Distribution : Maldah.
774. *Zygina (= Vietnara) maculifrons* Motschulsky  
Distribution : Not known.
- Family MEMBRACIDAE
775. *Cocosterphus decoloratus* Distant  
Distribution : Kolkata.
776. *Cocosterphus minutus* (Fabricius)  
Distribution : Kolkata.
777. *Cocosterphus obscurus* Distant  
Distribution : Kolkata.
778. *Gargara brevis* Ananthasubramanian  
Distribution : Haora.
779. *Gargara confusa* Distant  
Distribution : Kolkata.
780. *Gargara majescula* Distant  
Distribution : Kolkata and Darjiling.
781. *Gargara mixta* Buckton  
Distribution : Kolkata.

782. ***Gargara robusta*** Distant  
Distribution : North 24 Pgs.
783. ***Leptocentrus bajulans*** Distant  
Distribution : Kolkata and Murshidabad.
784. ***Leptocentrus beluri***  
Ananthasubramanian  
Distribution : Haora (Belur).
785. ***Leptocentrus carinatus***  
Ananthasubramanian  
Distribution : North 24 Pgs.
786. ***Leptocentrus leucaspis*** (Walker)  
Distribution : Kolkata and Hugli.
787. ***Leptocentrus reponens*** (Walker)  
Distribution : Bankura, Kolkata, Darjiling and Jalpaiguri.
788. ***Leptocentrus substitutus*** (Walker)  
Distribution : North 24 Pgs. (Bongaon), Kolkata, Jalpaiguri and Nadia.
789. ***Leptocentrus taurus*** Fabricius  
Distribution : Bankura and Kolkata.
790. ***Otinotus elongatus*** Distant  
Distribution : Bankura and Kolkata.
791. ***Otinotus oneratus*** (Walker)  
Distribution : North 24 Pgs., Bankura, Medinipur and Nadia.
792. ***Oxyrhachis lefroii*** Distant  
Distribution : North 24 Pgs. (Nalbari) and Kolkata (Salt Lake).
793. ***Oxyrhachis rufescens*** Walker  
Distribution : North 24 Pgs., Barddhaman and Kolkata.
794. ***Oxyrhachis tarandus*** (Fabricius)  
Distribution : South 24 Pgs. and Kolkata.
795. ***Oxyrhachis uncatatus*** Melichar  
Distribution : Barddhaman.
796. ***Telingana paria*** (Fairm)  
Distribution : North 24 Pgs., Jalpaiguri and Maldah.
797. ***Tricentrus albomaculatus*** Distant  
Distribution : Kolkata.
798. ***Tricentrus cinereus***  
Ananthasubramanian  
Distribution : South 24 Pgs.
799. ***Tricentrus cornutus*** Anantha  
subramanian  
Distribution : South 24 Pgs.
800. ***Tricentrus dubius***  
Ananthasubramanian  
Distribution : Kolkata and Hugli.
801. ***Tricentrus gibbosulus*** (Walker)  
Distribution : Kolkata and Medinipur.
802. ***Tricentrus projectus*** Distant  
Distribution : Kolkata.
803. ***Tricentrus subangulata*** Distant  
Distribution : Kolkata.  
Family PSYLLIDAE  
Subfamily APHALARINAE
804. ***Aphalara assiannilssoni*** Mathur  
Distribution : Darjiling.  
Subfamily PAUROPSYLLINAE
805. ***Apsylla cistellata*** (Buckton)  
Distribution : Maldah and Murshidabad.
806. ***Paurocephala phalaki*** Mathur  
Distribution : Darjiling.
807. ***Paurocephala psyллоptera*** Crawford  
Distribution : Kolkata.
808. ***Pauropsylla ficicola*** Kieffer  
Distribution : Not known.
809. ***Pauropsylla stivensi*** Laing  
Distribution : Darjiling.  
Subfamily PSYLLINAE
810. ***Acizzia indica*** Heslop-Harrison  
Distribution : Kolkata.
811. ***Diaphornia citri*** Kuwayama  
Distribution : North 24 Pgs., Bankura, Barddhaman, Birbhum, Kolkata, Koch Bihar, Darjiling, Haora, Hugli, Jalpaiguri, Maldah, Medinipur, Murshidabad, Nadia and Puruliya.
812. ***Euphalerus vittatus*** Crawford  
Distribution : Kolkata.

813. *Psylla bengalensis* Mathur  
Distribution : Darjiling.
814. *Psylla cedrelae* Kieffer  
Distribution : Darjiling.
815. *Psylla longigena* Mathur  
Distribution : Darjiling.
816. *Psylla quadrimaculata* Mathur  
Distribution : Darjiling.  
Subfamily CIRIACREMINAE
817. *Cecidopsylla schimae* Kieffer  
Distribution : Darjiling.
818. *Diceraopsylla brunetti* Crawford  
Distribution : Darjiling.
819. *Mesohomotana lutheri* (Enderlein)  
Distribution : Darjiling.
820. *Mycoposylla gardenensis* (Bhanotar, Ghosh and Ghosh)  
Distribution : Kolkata.
821. *Tenaphalara acutipennis* Kuwayama  
Distribution : Kolkata.  
Subfamily TRIOZINAE
822. *Trioza fletcheri* Crawford  
Distribution : Not known.
823. *Trioza fletcheri minor* Crawford  
Distribution : Murshidabad.
824. *Trioza gigantea* Crawford  
Distribution : Darjiling.
825. *Trioza gigantea curta* Mathur  
Distribution : Darjiling.
826. *Trioza hirsuta* (Crawford)  
Distribution : Nadia.
827. *Trioza* sp. Probably *fletcheri* Crawford  
Distribution : North 24 Pgs.  
Family PENTATOMIDAE
828. *Hotea curculionoides* Herr.  
Distribution : Jalpaiguri (Panbari).
829. *Zicrona caerulea* (Linn.)  
Distribution : Jalpaiguri (Panbari).
- Superfamily COCCOIDEA  
Family DIASPIDIDAE
830. *Acanthomytilus sacchari* (Hall)  
Distribution : Barddhaman.
831. *Andaspis meliae* (Green)  
Distribution : Kolkata.
832. *Andaspis numerata* Brimlecombe  
Distribution : Koch Bihar and Jalpaiguri.
833. *Aonidia indica* Green  
Distribution : South 24 Pgs. and Kolkata.
834. *Aonidiella aurantii* (Maskell)  
Distribution : North 24 Pgs., South 24 Pgs., Darjiling, Hugli, Jalpaiguri, Maldah, Medinipur and Nadia.
835. *Aonidiella orientalis* (Newstead)  
Distribution : North 24 Pgs., Barddhaman, Kolkata and Hugli.
836. *Aspidiotus destructor* Signoret  
Distribution : Barddhaman and Maldah.
837. *Aspidiotus* sp.  
Distribution : Darjiling.
838. *Aulacaspis litseae* (Green)  
Distribution : Darjiling.
839. *Aulacaspis mangiferae* Newsstead  
Distribution : Barddhaman, Kolkata and Maldah.
840. *Chiobaspis vitis* Green  
Distribution : Murshidabad and Nadia.
841. *Chrysomphalus aonidum* (Linnaeus)  
Distribution : Kolkata and Nadia.
842. *Chrysomphalus dictyospermi* (Morgan)  
Distribution : Murshidabad and Nadia.
843. *Chrysomphalus pinnulifer* (Maskell)  
Distribution : Darjiling.
844. *Cornuaspis beckii* (Newman)  
Distribution : Darjiling.
845. *Eucornuaspis pinnaeformis* (Bouche)  
Distribution : Darjiling.

846. *Fiorinia japonica* Kuwana  
Distribution : Haora.
847. *Fiorinia theae* Green  
Distribution : Darjiling.
848. *Greenaspis decurvata* (Green)  
Distribution : Kolkata.
849. *Hemiberlesia lataniae* (Signoret)  
Distribution : Kolkata and Darjiling.
850. *Hemiberlesia rapax* (Comstock)  
Distribution : Kolkata and Darjiling.
851. *Insulaspis gloverii* (Packard)  
Distribution : Darjiling.
852. *Lineaspis caroli* (Green)  
Distribution : South 24 Pgs. and Darjiling.
853. *Lopholeucaspis exoecariae*  
Borchsenius  
Distribution : South 24 Pgs.
854. *Lopholeucaspis menoni* Borchsenius  
Distribution : Kolkata.
855. *Mytilaspis* sp.  
Distribution : Darjiling.
856. *Parlatoria boycei* Mckenzie  
Distribution : Darjiling.
857. *Parlatoria cinerea* Hadden  
Distribution : Darjiling.
858. *Parlatoria oleae* (Colvee)  
Distribution : Darjiling.
859. *Parlatoria ziziphi* (Lucas)  
Distribution : Kolkata.
860. *Pinnaspis exercitata* (Green)  
Distribution : Darjiling and Jalpaiguri.
861. *Pinnaspis* sp. [*nr. strachani* (Cooley)]  
Distribution : North 24 Pgs.
862. *Pinnaspis strachani* (Cooley)  
Distribution : Kolkata and Haora.
863. *Pinnaspis theae* (Maskell)  
Distribution : Darjiling.
864. *Pseudaonidia trilobitiformis* (Green)  
Distribution : Barddhaman and Kolkata.
865. *Pseudaulacaspis manni* (Green)  
Distribution : Kolkata and Darjiling.
866. *Pseudaulacaspis cockerelli* (Cooley)  
Distribution : Not known.
867. *Pseudaulacaspis pentagona pentagona* (Targ.)  
Distribution : Darjiling.
868. *Quadraspidiotus perniciosus*  
(Comstock)  
Distribution : Kolkata, Darjiling and Jalpaiguri.
869. *Thysanofiorinia nephelii* (Maskell)  
Distribution : Nadia.  
Family CICADIDAE  
Subfamily CICADINAE
870. *Aola brindusara* Dist.  
Distribution : Jalpaiguri (Buxa TR, Rajabhatkhawa).
871. *Plateplura badia* Dist.  
Distribution : Jalpaiguri (Buxa TR, Jayanthi).
872. *Plateplura nobilis* Germ.  
Distribution : Jalpaiguri (Buxa TR, Rajabhatkhawa).
873. *Plateplura sphinx* Walk.  
Distribution : Jalpaiguri (Buxa TR, Rajabhatkhawa).
874. *Pomponia fusca* Oliv.  
Distribution : Jalpaiguri (Buxa TR, Kumargram).
875. *Pomponia intermedia* Dist.  
Distribution : Jalpaiguri (Buxa TR, Kumargram).
876. *Purana guttularis* Walk.  
Distribution : Jalpaiguri (Buxa TR, Jayanti).
877. *Purana trigriodes* Walk.  
Distribution : Jalpaiguri (Buxa TR, Jayanti).
878. *Huechys sanguinea* DeGeer  
Distribution : Jalpaiguri (Buxa TR, Sankosh).
879. *Cryptotympana corvus* Walk.  
Distribution : Jalpaiguri (Buxaduar).



880. *Lahugada dohetryi* Dist.  
Distribution : Jalpaiguri (Poro).
881. *Oncotympana* sp.  
Distribution : Jalpaiguri (Poro).
882. *Platyptebra assamensis* Atkins  
Distribution : Jalpaiguri (Jayanti).
883. *Tosena montivaga* Dist.  
Distribution : Jalpaiguri (Rajabhatkhawa).
884. *Calcagninus* sp.  
Distribution : Jalpaiguri (Rajabhatkhawa).
885. *Graptotettix guttatus* Stal.  
Distribution : Jalpaiguri (Poro).
886. *Karenia ravidia* Dist.  
Distribution : Jalpaiguri (Poro).
887. *Paharia* sp.  
Distribution : Jalpaiguri (Poro).  
Family ACLERDIDAE
888. *Aclerda distorta* Green  
Distribution : Darjiling.  
Family PSEUDOCOCCIDAE
889. *Adelosoma phragmitidis* Borchsenius  
Distribution : Kolkata.
890. *Antonina graminis* (Maskell)  
Distribution : Haora.
891. *Antonina maritima* Green  
Distribution : South 24 Pgs., Kolkata, Darjiling and Haora.
892. *Birendracoccus saccharifolii* (Green)  
Distribution : North 24 Pgs., South 24 Pgs. and Hugli.
893. *Brevennia rehi* Lindinger  
Distribution : North 24 Pgs., Bankura, Jalpaiguri, Medinipur, Murshidabad and Nadia.
894. *Cataenococcus theaecola* (Green)  
Distribution : South 24 Pgs., Darjiling and Dinajpur.
895. *Coccidohystrix insolita* (Green)  
Distribution : North 24 Pgs., Bankura, Bardhaman, Birbhum, Kolkata, Koch Bihar, Darjiling, Haora, Hugli, Jalpaiguri, Maldah, Medinipur, Murshidabad, Nadia and Puruliya.
896. *Dysmicococcus breviceps* (Cockerell)  
Distribution : South 24 Pgs. and W. Dinajpur.
897. *Ferrisia virgata* (Cockerell)  
Distribution : North 24 Pgs., Bankura, Bardhaman, Birbhum, Kolkata, Koch Bihar, Darjiling, Haora, Hugli, Jalpaiguri, Maldah, Medinipur, Murshidabad, Nadia and Puruliya.
898. *Kiritshenkella sacchari* (Green)  
Distribution : Kolkata and W. Dinajpur.
899. *Maconellicoccus hirsutus* (Green)  
Distribution : South 24 Pgs., Bankura, Bardhaman, Kolkata, Maldah, Murshidabad, Nadia and W. Dinajpur.
900. *Nipaeococcus viridis* (Newstead)  
Distribution : Not known.
901. *Novonilacoccus oryzae* Ghosh & Ghose  
Distribution : Nadia.
902. *Planococcoides bengalensis* Ghosh & Ghose  
Distribution : Nadia.
903. *Planococcus citri* (Risso)  
Distribution : Darjiling.
904. *Planococcus lilacinus* (Cockerell)  
Distribution : Haora and Nadia.
905. *Pseudococcus citriculus* Green  
Distribution : Darjiling.
906. *Pseudococcus iceryoides* (Green)  
Distribution : South 24 Pgs., Kolkata and Darjiling.
907. *Pseudococcus* sp.  
Distribution : Darjiling.
908. *Rastrococcus iceryoides* (Green)  
Distribution : North 24 Pgs., Kolkata, Murshidabad and W. Dinajpur.
909. *Saccharicoccus sacchari* (Ckll)  
Distribution : Bardhaman, Kolkata, Hugli and Nadia.

## Family ASTEROLECANIIDAE

910. *Asterolecanium minutum* Takahashi*Distribution* : Kolkata.911. *Asterolecanium pseudomiliaris*

Green

*Distribution* : Kolkata.912. *Asterolecanium* sp.*Distribution* : Darjiling.913. *Bambusaspis solenophoroides*

(Green)

*Distribution* : Koch Bihar, Darjiling and Jalpaiguri.

## Family CEROCOCCIDAE

914. *Cercoccus ficoides* Green*Distribution* : South 24 Pgs. and Jalpaiguri.915. *Cercoccus indicus* (Maskell)*Distribution* : North 24 Pgs., Barddhaman, Kolkata and Nadia.

## Family COCCIDAE

916. *Ceroplastes actiniformis* Green*Distribution* : Not known.917. *Ceroplastes ceriferus* (Fabr.)*Distribution* : Darjiling and Puruliya.918. *Ceroplastes floridensis* Comstock*Distribution* : Barddhaman, Darjiling and Haora.919. *Ceroplastes rubens* Maskell*Distribution* : Not known.920. *Ceroplastodes cajani* (Maskell)*Distribution* : Kolkata.921. *Ceroplastodes chiton* Green*Distribution* : Darjiling.922. *Chloropulvinaria floccifera*

(Westwood)

*Distribution* : Kolkata.923. *Chloropulvinaria polygonata* (Ckll.)*Distribution* : Birbhum and Maldah.924. *Chloropulvinaria psidii* (Maskell)*Distribution* : South 24 Pgs. and Darjiling.925. *Coccus hesperidum* Linnaeus*Distribution* : North 24 Pgs., Barddhaman, Darjiling and Nadia.926. *Coccus watti* (Green)*Distribution* : Nadia.927. *Macropulvinaria burkilli* (Green),  
new comb.*Distribution* : Kolkata.928. *Macropulvinaria maxima maxima*

(Green)

*Distribution* : Kolkata.929. *Metaceronema japonica* (Maskell)*Distribution* : Darjiling.930. *Protopulvinaria mangiferae* (Green)*Distribution* : Kolkata.931. *Pulvinaria* sp.*Distribution* : Darjiling.932. *Saissetia coffeae* (Walker)*Distribution* : North 24 Pgs., Kolkata and Darjiling.933. *Saissetia nigra* (Nietner)*Distribution* : Kolkata.934. *Saissetia* sp.*Distribution* : South 24 Pgs. and Darjiling.935. *Vinsonia stellifera* (Westwood)*Distribution* : Kolkata and Darjiling.

## Family DACTYTYLOPIIDAE

936. *Dactylopius indicus* (Green)*Distribution* : Barddhaman, Kolkata and Hugli.

## Family MONOPHLEBIDAE

937. *Drosicha stebbingii* (Green)*Distribution* : Darjiling and Haora.938. *Icerya aegyptiaca* (Douglas)*Distribution* : North 24 Pgs., Bankura, Barddhaman, Birbhum, Kolkata, Koch Bihar, Darjiling, Haora, Hugli, Jalpaiguri, Maldah, Medinipur, Murshidabad, Nadia and Puruliya.939. *Icerya formicarum* Newstead*Distribution* : Darjiling.

940. *Icerya purchasi* Maskell  
Distribution : Darjiling.
941. *Icerya seychellarum* (Westwood)  
Distribution : Darjiling.
942. *Icerya* sp.  
Distribution : South 24 Pgs., Darjiling and W. Dinajpur.
943. *Labioproctus poleii* (Green)  
Distribution : Darjiling and Jalpaiguri.
944. *Perissopneumon phyllanthi* (Green)  
Distribution : Kolkata.
945. *Perissopneumon tamarinda* (Green)  
Distribution : Kolkata.
946. *Walkeriana ? Compacta* Green  
Distribution : Darjiling.  
Family ERIOCOCCIDAE
947. *Ericococcus araucariae* Maskell  
Distribution : Kolkata.  
Family TACHARDIIDAE
948. *Kerria albizziae* (Green)  
Distribution : Darjiling.
949. *Kerria chinensis chinensis* (Mahd.)  
Distribution : North 24 Pgs. and Darjiling.
950. *Kerria fici fici* (Green)  
Distribution : South 24 Pgs. and W. Dinajpur.
951. *Kerria lacca lacca* (Kerr)  
Distribution : Not known.
952. *Paratachardina theae* (Green)  
Distribution : Kolkata and Darjiling.  
Family ORTHEZIIDAE
953. *Orthezia insignis* Browne  
Distribution : Darjiling and Jalpaiguri.

- Family ALEYRODIDAE  
Subfamily ALEYRODINAE
954. *Aleurocanthus bambusae*  
(Peal)  
Distribution : Darjiling.
955. *Aleurocanthus longispinus*  
Quaintance and Baker  
Distribution : Kolkata.
956. *Aleurocanthus spiniferous*  
(Quaintance)  
Distribution : Not known.
957. *Aleurolobus barodensis*  
(Maskell)  
Distribution : Not known.
958. *Aleurolobus simula* (Peal)  
Distribution : Kolkata.
959. *Aleuroplatus alcocki* (Peal)  
Distribution : Kolkata.
960. *Aleuroplatus ficusrugosae*  
Quaintance and baker  
Distribution : Haora.
961. *Aleuroplatus hoyae* (Peal)  
Distribution : Kolkata.
962. *Aleuroplatus quaintancei* (Peal)  
Distribution : Kolkata.
963. *Bemisia leakii* (Peal)  
Distribution : Haora.
964. *Bemisia religiosa* (Peal)  
Distribution : Kolkata.
965. *Dialeurodes pallida* Singh  
Distribution : Kolkata.
966. *Pealius bengalensis* (Peal)  
Distribution : Not known.

## INSECTA : ANOPLURA

Phylum ARTHROPODA

Class INSECTA

Order ANOPLURA

Family HAEMATOPINIDAE

1. *Haematopinus eurysternus* Denny*Host* : Cattle.*Distribution* : Barddhaman.2. *Haematopinus suis* (Linnaeus)*Host* : Domestic Swine.*Distribution* : South 24 Pgs. (Sagar Island).3. *Haematopinus tuberculatus*  
(Burmenister)*Host* : Bus bubalis.*Distribution* : Barddhaman.

Family HOPLOPLEURIDAE

Subfamily HOPLOPLEURINAE

4. *Hoplopleura blanfordi* Mishra and  
Dhanda*Host* : Rattus blanfordi.*Distribution* : Puruliya (Ajodhya hills).5. *Hoplopleura captiosa* Johnson*Host* : Mus booduga.*Distribution* : Medinipur (Medinipur).6. *Hoplopleura malabarica* Werneck*Host* : Bandicota bengalensis.*Distribution* : Medinipur.7. *Hoplopleura maniculata* (Neumann)*Host* : Funambulus pennanti.*Distribution* : Bankura, Puruliya (Ajodhya hills).8. *Hoplopleura pacifica* Ewing*Host* : Rattus arboreus.*Distribution* : Barddhaman.9. *Hoplopleura ramgarh* Mishra Bhat &  
Kulkarni*Host* : Mus sexicola.*Distribution* : Puruliya (Ajodhya hills).10. *Hoplopleura silvula* Johnson*Host* : Vandeleuria oleracea.*Distribution* : Puruliya (Ajodhya hills).

Family LINOGNATHIDAE

11. *Linognathus africanus* Kellogg &  
Paine*Host* : Goat.*Distribution* : South 24 Pgs. (Sagar island).12. *Linognathus vituli* Linnaeus*Host* : Cattle.*Distribution* : Barddhaman.13. *Linognathus setosus* (Von Olfers)*Host* : Not known.*Distribution* : Not known.

Family PEDICULIDAE

14. *Pediculus humanus* Linnaeus*Host* : Human.*Distribution* : Kolkata.

Family POLYPLACIDAE

15. *Neohaematopinus echinatus*  
(Neumann)*Host* : Funambulus pennanti.*Distribution* : Puruliya (Ajodhya hills).16. *Polyplax asiatica* Ferris*Host* : Bandicota bengalensis.*Distribution* : Medinipur.17. *Polyplax blanfordi* Mishra & Dhanda*Host* : Rattus blanfordi.*Distribution* : Puruliya (Ajodhya hills).18. *Polyplax reclinata* (Nitzsch)*Host* : Suncus murinus.*Distribution* : Medinipur.19. *Polyplax stephensi* (Christopers &  
Newstead)*Host* : Tatera indica.*Distribution* : Puruliya (Ajodhya hills).

Family PTHIRIDAE

20. *Pthirus pubis* (Linnaeus)*Host* : Human body.*Distribution* : Kolkata.

## INSECTA : THYSANOPTERA

Phylum ARTHROPODA  
 Class INSECTA  
 Order THYSANOPTERA  
 Suborder TEREBRANTIA  
 Family AEOLOTHRIPIDAE

1. ***Aeolothrips collaris*** Priesner

*Distribution* : Murshidabad (Murshidabad town).

2. ***Aeolothrips intermedius*** Bagnall

*Distribution* : Murshidabad (Krishnapur Hat Para, Katra, Baharampur) and Birbhum (Nalhati).

3. ***Mymarothrips garuda*** Ramakrishnan & Margabandhu

*Distribution* : Medinipur (Tamluk).

Family MEROTHRIPIDAE

4. ***Merothrips indicus*** Bhatti & Ananthakrishnan

*Distribution* : Haora (Botanical Garden).

Family THRIPIIDAE

Subfamily THRIPIINAE

5. ***Ajothrips gara*** Bhatti

*Distribution* : South 24 Pgs. (Hatberia) and Darjiling (Darjiling).

6. ***Ajothrips karma*** Bhatti

*Distribution* : Murshidabad (Mohamad para village) and Haora.

7. ***Anaphothrips sudanensis*** Trybom

*Distribution* : South 24 Pgs. (Narendrapur), Kolkata, Murshidabad (Topkhana), Puruliya (Puruliya) and Bankura (Baghajole village).

8. ***Aptinothrips rufus*** (Gmelin)

*Distribution* : Darjiling.

9. ***Aroidothrips longistylus***

Ananthakrishnan

*Distribution* : Medinipur (Tamluk).

10. ***Ayyaris chaetophora*** Karny

*Distribution* : South 24 Pgs. (Hatberia), Bankura (Bishnupur) and Puruliya (Puruliya).

11. ***Bathrips melanicornis*** (Shumsher)

*Distribution* : Murshidabad (Baharampur).

12. ***Biltothrips minutus*** (Bhatti)

*Distribution* : Haora (Botanical Garden).

13. ***Bolacidothrips graminis indicus***

Ananthakrishnan

*Distribution* : Nadia (Kalyani) and Bankura (Sonamukhi Forest, Kumardanga).

14. ***Craspedothrips monor*** (Bagnall)

*Distribution* : Birbhum (Ballavpur Forest Nursery) and Haora.

15. ***Ctenothrips niger*** Kudo

*Distribution* : Darjiling (Tongu).

16. ***Dichromothrips indicus*** Mound

*Distribution* : Darjiling (Kalimpong).

17. ***Dichromothrips nakahari*** Mound

*Distribution* : Kolkata.

18. ***Dorcadothrips fasciatus*** Bhatti

*Distribution* : Haora.

19. ***Dorcadothrips indicus*** Bhatti

*Distribution* : Haora (Sibpur).

20. ***Exothrips hemavarna*** (Ramakrishna & Margabandhu)

*Distribution* : Haora (Botanical Garden) and Bankura (Kumardanga).

21. ***Frankliniella intonsa*** (Trybom)

*Distribution* : Birbhum (Adityapur), South 24 Pgs. (Narendrapur), Murshidabad (Murshidabad, Madhupur, Mohamad Para village, Katra), Koch Bihar (Koch Bihar) and Darjiling (Mirik).

22. ***Frankliniella schultzei*** Trybom

*Distribution* : South 24 Pgs. (Kakdwip) and Kolkata.

23. ***Lefroyothrips lefroyi*** (Bagnall)  
*Distribution* : Darjiling (Mahanadi, Darjiling).
24. ***Megalurothrips distalis*** (Karny)  
*Distribution* : Birbhum (Sanghatpur, Kankalitala), South 24 Pgs. (Hatberia village), Murshidabad (Madhupur, Satinakandi village, Kalabagan, Mallikpur), Koch Bihar (Mekligunj), Kolkata (Kolkata), Darjiling (Darjiling, Pashoke, Mirik, Rangirum), Bankura (Bishnupur, Lokepur) and Jalpaiguri (Hashimara).
25. ***Megaphysothrips subramanii***  
Ramakrishnan  
*Distribution* : Koch Bihar (Tapurhat, Saradadevi).
26. ***Microcephalothrips abdominalis***  
(Crawford)  
*Distribution* : Birbhum (Rampurhat, Ballavpur, Bakreswar), South 24 Pgs. (Narendrapur), Murshidabad (Murshidabad), Kolkata and Puruliya (Kulipal).
27. ***Mycterothrips scativentris*** (Bagnall)  
*Distribution* : Darjiling (Ringtong).
28. ***Organothrips indicus*** Bhatti  
*Distribution* : Haora (Botanical Garden), Koch Bihar (Coochbehar), South 24 Pgs. (Hatberia village) and Kolkata.
29. ***Priesneriola o'niellae***  
Ananthakrishnan  
*Distribution* : Kolkata.
30. ***Projectothrips pruthi*** Moulton  
*Distribution* : Haora (Sibpur).
31. ***Pseudodendrothrips ornatissimus***  
Schmutz  
*Distribution* : Murshidabad (Baharampur).
32. ***Rhamphothrips pardus*** (Bhatti)  
*Distribution* : Haora (Sibpur).
33. ***Rhamphothrips parviceps*** (Hood)  
*Distribution* : Haora (Sibpur).
34. ***Scirtothrips dorsalis*** Hood  
*Distribution* : Kolkata, Puruliya (Balarampur), South 24 Pgs. (Kakdwip) and Koch Bihar (Koch Bihar).
35. ***Scolothrips asura*** Ramakrishnan & Margabandhu  
*Distribution* : Koch Bihar (Mekligunj) and Bankura (Bagajole village).
36. ***Scolothrips rhagebianus*** Priesner  
*Distribution* : South 24 Pgs. (Narendrapur).
37. ***Stenchaetothrips bambusae***  
(Shumsher)  
*Distribution* : South 24 Pgs. (Malancha, Sonarpur).
38. ***Stenchaetothrips biformis*** (Bagnall)  
*Distribution* : Nadia (Bethuadahari), South 24 Pgs. (Hatberia village), Haora (Sibpur Botanical Garden), Kolkata and North 24 Pgs. (Bangaon).
39. ***Stenchaetothrips divisae*** Bhatti  
*Distribution* : Haora (Botanical Garden).
40. ***Stenchaetothrips indicus***  
(Ramakrishnan & Margabandhu)  
*Distribution* : Haora (Botanical Garden).
41. ***Thrips andrewsi*** (Bagnall)  
*Distribution* : Darjiling.
42. ***Thrips apicatus*** Priesner  
*Distribution* : Birbhum (Kourabela, Rampurhut).
43. ***Thrips atactus*** Bhatti  
*Distribution* : Haora (Botanical Garden).
44. ***Thrips beharensis***  
Ramakrishnan. & Margabandhu.  
*Distribution* : Bankura (Sonamuki), Murshidabad (Mohamadpara, Madhupur) and Haora (Botanical Garden).
45. ***Thrips coloratus*** Schmutz  
*Distribution* : Murshidabad (Topkhana).
46. ***Thrips flavus*** Schrank  
*Distribution* : Bankura (Bishnupur), Birbhum (Kankalitala), Murshidabad (Topkhana, Krishnapur Hat Para, Madhupur village, Kalabagan), South 24 Pgs. (Narendrapur) and Darjiling (Mirik).

47. *Thrips hawaiiensis* (Morgan)  
*Distribution* : Birbhum (Rampurhut, Adityapur), Puruliya (Boragdi village), North 24 Pgs. (Habra), Bankura (Sonamuki Forest), Murshidabad (Krishnapur Hut Para, Topkhana, Katra), Darjiling (Sonada), South 24 Pgs. (Bauripur) and Kolkata.
48. *Thrips latis* Bhatti  
*Distribution* : Haora (Sibpur).
49. *Thrips orientalis* (Bagnall)  
*Distribution* : South 24 Pgs. (Narendrapur) and Kolkata (Alipore).
50. *Thrips tabaci* Lindemann  
*Distribution* : Kolkata.
51. *Trichromothrips arorai* Bhatti  
*Distribution* : Haora (Sibpur).
52. *Tusothrips setiprivus* (Karny)  
*Distribution* : Haora (Sibpur).  
 Sub family PANCHAETOTHRIPINAE
53. *Astrothrips asiaticus* (Bhatti)  
*Distribution* : Haora (Sibpur).
54. *Astrothrips parvilimbus*  
 Stannard & Mitri  
*Distribution* : Bankura (Baghjole village, Onda), South 24 Pgs. (Bakrahut village), Birbhum (Rampurhut, Kendubilwa, Bakreswar) and Murshidabad (Topkhana, Mahupur).
55. *Caliothrips indicus* (Bagnall)  
*Distribution* : Murshidabad (Satinakandi village), South 24 Pgs. (Narendrapur), Kolkata and Haora (Sibpur).
56. *Caliothrips luckmanni* Wilson  
*Distribution* : Kolkata.
57. *Helionothrips kadaliphilus*  
 (Ramakrishnan & Margabandhu)  
*Distribution* : Darjiling and Kolkata (Rangirum).
58. *Monilothrips kempi* Moulton  
*Distribution* : Darjiling (Sureil, Mongpu, Rangirum, Manibhanjang, Lepchajagat, Ghoombhanjang).
59. *Panchaetothrips indicus* Bagnall  
*Distribution* : Birbhum (Rampurhut) and Bankura (Jamuna village, Kumardanga).
60. *Phibalothrips peringueyi* (Faure)  
*Distribution* : South 24 Pgs. (Hatberia Village) and Koch Bihar (Mekligunj).
61. *Retithrips syriacus* (Mayet)  
*Distribution* : Birbhum (Sanghatpur, Bakreswar), South 24 Pgs. (Holdi Camp, Sunderban) and Koch Bihar.
62. *Rhipiphorothrips cruentatus* Hood  
*Distribution* : Koch Bihar, Birbhum (Sanghatpur, Kourobela), South 24 Pgs. (Narendrapur), Darjiling (Mirik) and Kolkata.
63. *Selanothrips rubrocinctus* (Giard)  
*Distribution* : South 24 Pgs. (Narendrapur, Holdi Camp Sunderban), Koch Bihar and Birbhum (Kendrabilwa).
64. *Zaniothrips ricini* Bhatti  
*Distribution* : Medinipur (Tamluk).  
 Sub order TUBULIFERA  
 Family PHLAEOTHRIPIDAE  
 Sub family UROTHRIPINAE
65. *Stephanothrips occidentalis*  
 Hood & Williams  
*Distribution* : Darjiling (Kalimpong).  
 Sub family PHLAEOTHRIPINAE
66. *Ablemothrips maxillatus*  
 Ananthkrishnan  
*Distribution* : Darjiling (Kalimpong).
67. *Aleurodothrips fasciapennis* (Franklin)  
*Distribution* : Haora (Sibpur).
68. *Antillothrips nayari* (Ananthkrishnan)  
*Distribution* : Hugli (Jagannathbati) and Kolkata (Jadavpur).
69. *Antillothrips varius* (Ananthkrishnan & Jagadish)  
*Distribution* : Kolkata.

70. ***Arrhenothrips longisetis*** Sen  
*Distribution* : Darjiling (Chunabati).
71. ***Azaleothrips amabilis*** Ananthakrishnan  
*Distribution* : Kolkata and Darjiling (Rongtong, Kurseong).
72. ***Dolichothrips citripes*** (Bagnall)  
*Distribution* : Kolkata.
73. ***Dolichothrips fumipennis*** (Bagnall)  
*Distribution* : Darjiling (Kurseong).
74. ***Dolichothrips malhavii***  
Ananthakrishnan  
*Distribution* : Koch Bihar (Mekligunj).
75. ***Ecacanthothrips tibialis*** (Ashmead)  
*Distribution* : Darjiling, Bankura (Radhanagar) and Birbhum (Ballavpur).
76. ***Euoplothrips malabarica***  
Ramakrishnan & Margabandhu  
*Distribution* : Haora (Sibpur).
77. ***Gynaikothrips bengalensis***  
Ananthakrishnan  
*Distribution* : Kolkata (Alipore).
78. ***Gynaikothrips flavitibia*** Moulton  
*Distribution* : Kolkata.
79. ***Gynaikothrips malabaricus***  
Ramakrishna  
*Distribution* : Nadia (Bethuadahari), Kolkata and Birbhum (Adityapur).
80. ***Haplothrips apicalis*** (Bagnall)  
*Distribution* : Kolkata.
81. ***Haplothrips articulatus*** Bagnall  
*Distribution* : Birbhum (Bakreswar) and Kolkata.
82. ***Haplothrips ceylonicus*** Schmutz  
*Distribution* : Murshidabad (Krishnapur Hut Para, Kalabagan village), South 24 Pgs. (Bauripur, Hatberia village), Puruliya (Baragdi village, Sapua village) and Bankura (Jamuma village, Sonamuki Forest, Lokepur).
83. ***Haplothrips clarisetis*** Priesner  
*Distribution* : South 24 Pgs. (Chuksar Island Sunderban) and Birbhum (Bakreswar).
84. ***Haplothrips ganglbaueri*** Schmutz  
*Distribution* : Darjiling (Rangirum, Mirik), Puruliya, Murshidabad (Satinakandi village, Mohamed Para village), Jalpaiguri (Hashimara), Kolkata, South 24 Pgs. (Hatberia village, Narendrapur), Birbhum (Rampurhut, Ballavpur, Bakreswar) and Bankura (Baghajole village, Onda, Sonamuki).
85. ***Haplothrips gowdeyi*** (Franklin)  
*Distribution* : Puruliya, Bankura (Lokepur) and Birbhum (Sanghatpur, Rampurhat, Sapua village).
86. ***Haplothrips tenuipennis*** Bagnall  
*Distribution* : Darjiling (Rajbari), Murshidabad (Topkhana, Mohamad Para village), Puruliya, Bankura (Bishnupur), Birbhum (Kendubilwa, Ballavpur) and Kolkata.
87. ***Hoploandrothrips graminis***  
Ananthakrishnan  
*Distribution* : Darjiling and Kolkata.
88. ***Karnyothrips alpha*** Pitkin  
*Distribution* : South 24 Pgs. (Bakrahat village).
89. ***Karnyothrips melaleucus*** (Bagnall)  
*Distribution* : Kolkata, Koch Bihar (Mekligung), South 24 Pgs. (Hatberia village, Baruipur, Bakrahat village) and Haora (Sibpur).
90. ***Karnyothrips mucidus***  
(Ananthakrishnan & Jagadish)  
*Distribution* : Hugli (Mahespur, Debanandapur) and Koch Bihar.
91. ***Leeuwenia karnyiana*** Priesner  
*Distribution* : Koch Bihar.
92. ***Liothrips aberrans*** Muraleedharan & Sen  
*Distribution* : Darjiling (Ghoombhajan, Dow hills).



93. ***Liothrips himalayanus***  
Ananthakrishnan & Jagadish  
*Distribution* : Darjiling (Lava, Rangirum).
94. ***Liothrips morulus***  
Ananthakrishnan & Jagadish  
*Distribution* : Darjiling (Kurseong).
95. ***Membrothrips indicus*** (Hood)  
*Distribution* : Koch Bihar and Bankura (Belboni).
96. ***Mesothrips jordani*** Zimmerman  
*Distribution* : Kolkata (Alipore Zoological Garden).
97. ***Neoheegeria montanaa***  
Ananthakrishnan & Jagadish  
*Distribution* : Darjiling (Kurseong).
98. ***Ocythrips rarus*** Ananthakrishnan  
*Distribution* : Darjiling (Kalimpong).
99. ***Pegothrips meghalaya***  
Sen & Muraleedharan  
*Distribution* : Darjiling (Sukhna).
100. ***Podothrips bicolor*** Seshadri & Ananthakrishnan  
*Distribution* : Haora (Sibpur), Birbhum (Adityapur, Kourabela, Kendubilwa), Hugli (Jagannathbati) and Kolkata (Eden Garden).
101. ***Podothrips lucasseni*** (Kruger)  
*Distribution* : Murshidabad (Topkhana), Birbhum (Sanghatpur), Koch Bihar, South 24 Pgs. (Hatberia village) and Kolkata.
102. ***Podothrips odonaspicola*** (Kurosawa)  
*Distribution* : Koch Bihar (Tapurhat) and Birbhum (Kankalitala).
103. ***Rhynchothrips champakae***  
Ramakrishnan & Maragabandhu.  
*Distribution* : Darjiling (Kalimpong).
104. ***Sophiothrips nigrus*** Ananthakrishnan  
*Distribution* : Darjiling (Kurseong).
105. ***Stigmothrips infirmus***  
Ananthakrishnan  
*Distribution* : Darjiling (Kuresong).
106. ***Xylaplothrips debilis***  
Ananthakrishnan & Jagadish  
*Distribution* : Koch Bihar (Tapurhat).
107. ***Xylaplothrips inquilinus*** (Priesner)  
*Distribution* : South 24 Pgs. (Narendrapur).
108. ***Xylaplothrips pictipes*** (Bagnall)  
*Distribution* : Koch Bihar.
109. ***Xylaplothrips pusillus***  
Ananthakrishnan & Jagadish  
*Distribution* : South 24 Pgs. (Bakrahat village) and Koch Bihar.
- Sub family IDOLOTHRIPINAE
110. ***Allothrips pillichellus bicolor***  
Ananthakrishnan  
*Distribution* : Darjiling (Kalimpong).
111. ***Dinothrips juglandis*** Moulton  
*Distribution* : Darjiling (Lopchu).
112. ***Elaphrothrips curvipes*** Priesner  
*Distribution* : Darjiling (Rongpo) and Koch Bihar.
113. ***Elaphrothrips denticollis*** (Bagnall)  
*Distribution* : Medinipur and Bankura (Radhanagar).
114. ***Elaphrothrips (Cradothrips) insignis*** Ananthakrishnan  
*Distribution* : Darjiling (Mouchowki Beat, Neora Valley).
115. ***Elaphrothrips procer*** (Schmutz)  
*Distribution* : Darjiling (Neora Valley), Haora (Sibpur), South 24 Pgs. (Hatberia village), Nadia (Kalyani) and Koch Bihar (Mekligunj).
116. ***Ethirothrips longisetis***  
(Ananthakrishnan & Jagadish)  
*Distribution* : Darjiling.
117. ***Ethirothrips obscurus*** (Schmutz)  
*Distribution* : Kolkata and South 24 Pgs. (Hatberia village).

118. ***Holothrips fumidus***

(Ananthakrishnan)

Distribution : Darjiling.

119. ***Holothrips quadrisetis*** Okajima

Distribution : Darjiling.

120. ***Holothrips nepalensis*** (Palikan)

Distribution : Darjiling (Tiger hills) and Nadia.

121. ***Loyolaia indica*** Ananthakrishnan

Distribution : Nadia (Kalyani).

122. ***Neosmerinthothrips fructuum***

Schmutz

Distribution : Birbhum (Sanghatpur), Nadia (Kalyani) and Kolkata.

123. ***Nesothrips lativentris*** (Karny)

Distribution : Koch Bihar, Haora (Sibpur), Hugli (Jagannathbati), South 24 Pgs. (Bakharhat village), W. Dinajpur (Raigunj) and Birbhum (Sangathpur, Rampurhat).

124. ***Oidanothrips megacephalus***

(Ananthakrishnan)

Distribution : Darjiling (Kalimpong).

## INSECTA : NEUROPTERA

Phylum ARTHROPODA

Class INSECTA

Order NEUROPTERA

Suborder MEGALOPTERA

Family CORYDALIDAE

1. *Neochauliodes simplex* (Walker)

Distribution : Darjiling.

2. *Corydalis tarritans* Needham

Distribution : Darjiling.

Suborder PLANIPENNIA

Family CONIOPTERYGIDAE

3. *Coniocompsa indica* Withycomb

Distribution : Barddhaman and Nadia.

4. *Coniopteryx (Coniopteryx) exigua*  
Withycombe

Distribution : Hugli, South 24 Pgs. and North 24 Pgs.

5. *Semidalis aleyrdiformis* (Stephens)

Distribution : South 24 Pgs., Barddhaman, Nadia and North 24 Pgs.

Family NEMOPTERIDAE

6. *Croce filipennis* (Westwood)

Distribution : Kolkata.

Family MANTISPIDAE

7. *Climaciella quadrituberculata*  
(Westwood)

Distribution : Darjiling.

8. *Mantispa fermoralis* Banks

Distribution : South 24 Pgs. and North 24 Pgs.

9. *Mantispa alicanta* Banks

Distribution : Not known.

Family HEMEROBIIDAE

10. *Psectra iniqua* (Hagen)

Distribution : Kolkata, North 24 Pgs. and South 24 Pgs.

11. *Mixomicromus lampus* Ghosh

Distribution : South 24 Pgs., North 24 Pgs. and Barddhaman.

12. *Micromus timidus* Hagen

Distribution : Barddhaman, South 24 Pgs., Kolkata and North 24 Pgs.

13. *Neuronema decisum* (Walker)

Distribution : Darjiling.

Family DILARIDAE

14. *Dilar hornei* MacLachlan

Distribution : Darjiling.

Family OSMYLIDAE

15. *Hyposmylus punctipennis* Walker

Distribution : Darjiling.

16. *Spilosmylus* sp.

Distribution : Darjiling.

17. *Thyridosmylus perspicillaris*

Distribution : Darjiling.

18. *Thyridosmylus perspicillaris minor*  
Kimmins

Distribution : Darjiling.

19. *Thyridosmylus langii* MacLachlan

Distribution : Darjiling.

Family BERTHOIDAE

20. *Bertha insolita* Walker

Distribution : Barddhaman.

Family SISYRIDAE

21. *Sisyra indica* Needham

Distribution : Kolkata.

Family CHRYSOPIDAE

22. *Nothochrysa indigena* Needham

Distribution : Kolkata.

23. *Ankylopteryx octopunctata*  
Fabricius

Distribution : Kolkata, Barddhaman, North 24 Pgs. and South 24 Pgs.

24. *Tumeochrysa cirerai* (Navas)

Distribution : Darjiling.

25. *Chrysopa septempunctata* Wesmael  
Distribution : Darjiling.

26. *Chrysopa virgestes* Banks  
Distribution : Barddhaman and Darjiling.
27. *Chrysopa ignobilis* Waker  
Distribution : Kolkata.
28. *Chrysopa notata* Navas  
Distribution : Darjiling.
29. *Chrysopa guttata* (Navas)  
Distribution : Darjiling.
30. *Glenochrysa marmorata* (Needham)  
Distribution : Nadia.
31. *Anisochrysa alcestes* (Banks)  
Distribution : Barddhaman.
32. *Anisochrysa boninensis* (Okamoto)  
Distribution : North 24 Pgs. and South 24 Pgs.
33. *Chrysoperla orestes* (Banks)  
Distribution : North 24 Pgs., South 24 Pgs., Barddhaman and Nadia.
34. *Brinkochrysa scelestes* (Banks)  
Distribution : Darjiling.
35. *Italochrysa* sp.  
Distribution : Darjiling.
36. *Chrysopidia nigrata* Navas  
Distribution : Darjiling.
37. *Chrysopidia numorosa* Navas  
Distribution : Darjiling.
- Family MYRMELEONTIDAE
38. *Palpares pardus* (Rambur)  
Distribution : Birbhum, Jalpaiguri and Bankura.
39. *Palpares patiens* Walker  
Distribution : Not known.
40. *Centroclisis horridus* (Walker)  
Distribution : Medinipur and Kolkata.
41. *Centroclisis eustalacta* (Gerstaecker)  
Distribution : Medinipur.
42. *Nesoleon perpunctatus* Banks  
Distribution : Medinipur and Bankura.
43. *Hagenomyia sagax* (Walker)  
Distribution : Darjiling.
44. *Hagenomyia monticolla* (Navas)  
Distribution : Darjiling.
45. *Myrmeleon assamensis* Ghosh  
Distribution : Darjiling.
46. *Myrmeleon clothilde* Banks  
Distribution : Darjiling and Hugli.
47. *Myrmeleon montanus* Navas  
Distribution : Darjiling.
48. *Myrmeleon* sp.  
Distribution : Nadia and Haora.
49. *Myrmeleon pulverulentus* Rambur  
Distribution : Not known.
50. *Myrmeleon punctulatus* Rambur  
Distribution : Not known.
51. *Creoleon griseus* (Klug)  
Distribution : Bankura.
52. *Gatzara jubilaea* Navaas  
Distribution : Darjiling.
53. *Neuroleon guernii* Navas  
Distribution : Medinipur.
54. *Distoleon verendus* (Walker)  
Distribution : Bankura.
55. *Distoleon sambalpurensis* Ghosh  
Distribution : Darjiling.
56. *Distoleon audax* (Walker)  
Distribution : South 24 Pgs., Darjiling and North 24 Pgs.
57. *Distoleon cerdo* (Gerstaecker)  
Distribution : Not known.
58. *Negrokus lebasi* Navas  
Distribution : Darjiling.
59. *Allogama irene* (Banks)  
Distribution : Not known.
60. *Layahima nebulosa* Navas  
Distribution : Darjiling.
61. *Talonus oberthuri* Navas  
Distribution : Darjiling.

62. *Dolicholeon substigmalis* Navas

*Distribution* : Not known.

Family ASCALAPHIDAE

63. *Agrionosoma dohrni* Weele

*Distribution* : Darjiling.

64. *Suhalacsa orsedice* Banks

*Distribution* : Darjiling.

65. *Suphalomitus brevis* Kimmins

*Distribution* : Darjiling.

66. *Suphalomitus verbosus* (Walker)

*Distribution* : Darjiling.

67. *Acheron trux trux* (Walker)

*Distribution* : Darjiling.

68. *Hybris angulata* (Westwod)

*Distribution* : North 24 Pgs., South 24 Pgs. and Darjiling.

69. *Glyptobasis dentifera* (Westwood)

*Distribution* : Kolkata.

70. *Ascalaphus prothoracicus* (Kimmins)

*Distribution* : Darjiling, Kolkata and Haora.

71. *Ascalaphus abdominalis* (Kimmins)

*Distribution* : Maldah.

72. *Ascalaphus dicax* (Walker)

*Distribution* : Nadia and Kolkata.

73. *Ascalaphus sinister* (Walker)

*Distribution* : Darjiling.

## INSECTA : MECOPTERA

Phylum ARTHROPODA

Class INSECTA

Order MECOPTERA

Family BITTACIDAE

1. ***Bittacus latipennis*** Gerstaecker

*Distribution* : Dist. not known.

Family PANORPIDAE

2. ***Neopanorpa benaci*** Navas

*Distribution* : Dist. not known.

3. ***Neopanorpa contracta*** Cheng

*Distribution* : Dist. not known.

## INSECTA : COLEOPTERA

Phylum ARTHROPODA

Class INSECTA

Order COLEOPTERA

Sub order ADEPHAGA

Family CARABIDAE

1. **Amblystomus bivittatus** Andrewes  
Distribution : Kolkata.
  2. **Anoplogenius microgonus** Bates  
Distribution : South 24 Pgs. and Kolkata.
  3. **Chydaeus bedeli** (Tchitch)  
Distribution : Darjiling.
  4. **Chydaeus obscurus** Chaudoir  
Distribution : Darjiling.
  5. **Coleolissus perlucens** Bates  
Distribution : Birbhum.
  6. **Dioryche nagpurensis** Bates  
Distribution : Kolkata (Eden Gardens),  
Medinipur (Kharagpur) and Murshidabad  
(Baharampur).
  7. **Dioryche torta** MacLeay  
Distribution : Murshidabad.
  8. **Gnathophanus laevistriatus** (Strum.)  
Distribution : South 24 Pgs., Birbhum and  
Murshidabad.
  9. **Gnathophanus punctilabris** MacLeay  
Distribution : Murshidabad.
  10. **Harpalus (Ophonus) indicus** Bates  
Distribution : Darjiling.
  11. **Harpalus (s.str.) indcola** Bates  
Distribution : Darjiling.
  12. **Hypolithus lividus** Andrewes  
Distribution : Kolkata.
  13. **Lamprophonus lucens** Bates  
Distribution : North 24 Pgs. (Madhupur).
  14. **Liodaptus birmanus** Bates  
Distribution : South 24 Pgs. (Kolkata).
  15. **Ophoniscus iridulus** Bates  
Distribution : Darjiling.
  16. **Oxycentrus parallelus** Chaudoir  
Distribution : Kolkata and Medinipur  
(Kharagpur).
  17. **Pachytrachelus cribriceps** Chaudoir  
Distribution : Darjiling and Murshidabad.
  18. **Pachytrachelus oblongus** (Dejean)  
Distribution : Maldah, Medinipur  
(Kharagpur), Murshidabad (Baharampure) and  
Puruliya.
  19. **Platymetopus flavilabris** (Fabr.)  
Distribution : Murshidabad.
  20. **Stenolophus (Egadroma) quinque  
pustulatus** Wied  
Distribution : Hugli.
  21. **Stenolophus (Egadroma)  
smaragdulus** (Fabr.)  
Distribution : Kolkata, Darjiling (Darjiling,  
Siliguri), Medinipur (Kharagpur) and Puruliya.
  22. **Stenolophus (Egadroma) rectifrons**  
Bates  
Distribution : Kolkata, Darjiling, South 24  
Parganas.
  23. **Stenolophus (s.str.) splendidus** Mosch.  
Distribution : South 24 Pgs. and Kolkata.
  24. **Trichotichnus (s.str.) birmanicus**  
Bates  
Distribution : Darjiling.
  25. **Trichotichnus (Kareya) edentata**  
Bates  
Distribution : Darjiling.
- Family DYTISCIDAE  
Subfamily COLYMBETINAE
26. **Agabus amoenus sinuaticollis**  
Regimbert  
Distribution : Darjiling (Tiger Hill, Mangpu,  
Lebong).
  27. **Agabus guttatus** (Paykull)  
Distribution : Darjiling (Lebong).

28. ***Copelatus freudei*** Guignot  
*Distribution* : Not known.
29. ***Lacconectus (s. str.) fulvescens***  
 Motschulsky  
*Distribution* : Darjiling (Kurseong, Sureil).
30. ***Lacconectus (s. str.) ritsemai***  
 Regimbert  
*Distribution* : Darjiling.
31. ***Platynectes (Gueoragivtes) kashmirenus*** Balfour-Browne  
*Distribution* : Darjiling (Kurseong, Senchal).
32. ***Rhantus (s.str.) ovalis*** Gschwendtner  
*Distribution* : Darjiling (Jorphokhori, Tiger Hill, Ghoom).
33. ***Rhantus (s.str.) taprobanicus*** Sharp  
*Distribution* : Darjiling (Teesta river, Bakyong, Kalimpong, Singla).
34. ***Rhantus (s.str.) sikkimensis***  
 Regimbert  
*Distribution* : Darjiling (Siliguri, Lebong, Pashok, Sureil).  
 Subfamily DYTISCINAE
35. ***Cybister (Meganectes) rugulosus***  
 Redtenbacher  
*Distribution* : Kolkata.
36. ***Cybister (Meganectes) confusus*** Sharp  
*Distribution* : North 24 Pgs. (Naihati), Barddhaman (Ranigunj), Kolkata and Puruliya.
37. ***Cybister (Meganectes) convexus*** Sharp  
*Distribution* : Darjiling (Namting-pokhri, Jorpokhori).
38. ***Cybister (Meganectes) dehaani*** Aube  
*Distribution* : Kolkata.
39. ***Cybister (Meganectes) guerini*** Aube  
*Distribution* : North 24 Pgs. (Jagannathpur, Barasat) and Kolkata.
40. ***Cybister (Meganectes) javanus*** Aube  
*Distribution* : Birbhum (Rampurhat), Kolkata and Murshidabad (Baharampur).
41. ***Cybister (Meganectes) limbatus***  
 (Fabricius)  
*Distribution* : Birbhum, Kolkata, Darjiling (Mangpu), Murshidabad (Baharampur) and Puruliya (Manbhum).
42. ***Cybister (Melanectes) posticus*** Aube  
*Distribution* : Kolkata and Murshidabad.
43. ***Cybister (Melanectes) sugillatus***  
 Erichson  
*Distribution* : Darjiling (Pashok).
44. ***Cybister (Meganectes) ventralis*** Sharp  
*Distribution* : Murshidabad (Baharampur) and Puruliya (Manbhum).
45. ***Cybister tripunctatus asiaticus*** Sharp  
*Distribution* : Kolkata.
46. ***Eretes sticticus*** (Linnaeus)  
*Distribution* : Kolkata (Saltlake), Birbhum (Rampurhat), Kolkata (Dhapa), Darjiling (Siliguri) and Puruliya.
47. ***Hydaticus (Guignotites) bengalensis*** Regimbert  
*Distribution* : Kolkata.
48. ***Hydaticus (Guignotites) ponticus***  
 Sharp  
*Distribution* : Kolkata.
49. ***Hydaticus (Guignotites.) fabricii***  
 Macleay  
*Distribution* : Kolkata.
50. ***Hydaticus (Guignotites.) luczonicus***  
 Aube  
*Distribution* : Puruliya.
51. ***Rhantaticus congestus*** (Klug)  
*Distribution* : Kolkata and Murshidabad (Baharampur).
52. ***Sandracottus mixtus*** (Blanchard)  
*Distribution* : Darjiling (Jorpokhri).  
 Subfamily HYDROPORINAE
53. ***Clypeodytes bufo*** (Sharp)  
*Distribution* : Darjiling (Siliguri).
54. ***Clypeodytes indicus*** (Regimbert)  
*Distribution* : Kolkata.
55. ***Guignotus signatellus*** (Klug)  
*Distribution* : Kolkata.



56. **Guignotus flammulatus** (Sharp)  
Distribution : North 24 Pgs. (Bantala), Barddhaman (Asansol), Kolkata, Haora and Hugli (Chinsura, Tarakeshwar).
57. **Guignotus fulvescens** (Zimmermann)  
Distribution : Kolkata.
58. **Guignotus orientalis** (Clark)  
Distribution : Kolkata.
59. **Guignotus pendjabensis** Guignot  
Distribution : Kolkata (Matiabazar).
60. **Guignotus regimberti** (Gschwendtner)  
Distribution : South 24 Pgs. (Sonarpur).
61. **Hydrovatus fuscus** Sharp  
Distribution : Kolkata (Eden Gardens) and Puruliya.
62. **Hydrovatus acuminatus** Motschulsky  
Distribution : Kolkata (Air port), Hugli (Chinsura) and Murshidabad (Baharampur).
63. **Hydrovatus bonvouloiri** Sharp  
Distribution : North 24 Pgs. (Bantala, Bireswar) and Kolkata.
64. **Hydrovatus castaneus** Motschulsky  
Distribution : Kolkata and Darjiling.
65. **Hydrovatus cardoni** Severin  
Distribution : Not known.
66. **Hydrovatus confertus** Sharp  
Distribution : North 24 Pgs. (Bantala), Kolkata, Haora (Botanical Garden) and Medinipur (Kharagpur).
67. **Hydrovatus ferrugatus** Regimbert  
Distribution : Kolkata.
68. **Hydrovatus pinguis** Regimbert  
Distribution : Not known.
69. **Hydrovatus picipennis** Motschulsky  
Distribution : Kolkata.
70. **Hydrovatus sinister** Sharp  
Distribution : Darjiling (Victoria point).
71. **Hyphoporus aper** Sharp  
Distribution : Kolkata and Puruliya.
72. **Hyphoporus bengalensis** Severin  
Distribution : Kolkata and Murshidabad (Baharampur).
73. **Hyphydrus (Apriophorus) renardi** Severin  
Distribution : Medinipur (Belpahari).
74. **Metheles indicus** Regimbert  
Distribution : Kolkata.
75. **Peschetius quadricostatus** (Aube)  
Distribution : Puruliya (Manbhumi).
76. **Uvarus quadrilineatus** (Zimmermann)  
Distribution : Kolkata (Matiabazar).  
Subfamily LACCOPHILINAE
77. **Laccophilus kempi** Gschwendtner  
Distribution : Darjiling (Jorpokhri).
78. **Laccophilus anticatus** Sharp  
Distribution : North 24 Pgs. (Barrackpore), Kolkata (Khidderpore), Hugli (Tarakeshwar) and Murshidabad (Baharampur).
79. **Laccophilus basalis** Motschulsky  
Distribution : North 24 Pgs. (Dattapukur), Kolkata and Darjiling (Kalimpong, Teesta).
80. **Laccophilus chinensis inefficiens** Walker  
Distribution : Kolkata and Puruliya.
81. **Laccophilus elegans** Sharp  
Distribution : Kolkata and Darjiling (Kalimpong).
82. **Laccophilus ellipticus** Regimbert  
Distribution : Kolkata, Darjiling (Siliguri, Mahananda river) and Murshidabad (Baharampur).
83. **Laccophilus flexuosus** Aube  
Distribution : Kolkata and Medinipur (Kharagpur).
84. **Laccophilus parvulus** Aube  
Distribution : North 24 Pgs. (Bireswar) and Medinipur (Kharagpur).

85. *Laccophilus rufulus* Regimbert

*Distribution* : Kolkata, Darjiling (Siliguri) and Medinipur (Kharagpur).

86. *Laccophilus sharpi* Regimbert

*Distribution* : Kolkata and Murshidabad (Baharampur).

Family NOTERIDAE

87. *Canthydrus flavus* (Motschulsky)

*Distribution* : North 24 Pgs. (Hatberia).

88. *Canthydrus laetabilis* (Walker)

*Distribution* : North 24 Pgs. (Bantala), South 24 Pgs. (Canning, Sonarpur), Kolkata, Medinipur (Kharagpur) and Murshidabad (Baharampur).

89. *Canthydrus luctuosus* (Aube)

*Distribution* : Darjiling (Siliguri).

90. *Canthydrus morsbachi* (Wehncke)

*Distribution* : North 24 Pgs. (Bantala) and Kolkata (Bagmari).

91. *Canthydrus ritsemai* Regimbert

*Distribution* : South 24 Pgs. (Lakhikantapur), Kolkata and Darjiling (Siliguri).

92. *Hydrocoptus (s. str.) subvittulus*

Mots.

*Distribution* : North 24 Pgs. (Hatberia), South 24 Pgs. (Lakhikantapur) and Kolkata.

Family GYRINIDAE

Sub family ENHYDRINAE

93. *Dineutus (Protodineutus) indicus*

Aube

*Distribution* : Birbhum, Bardhaman (Raniganj), Medinipur (Garbeta) and Murshidabad (Baharampur).

94. *Dineutus (spinosodineutus)*

*spinosus* (Fabricius)

*Distribution* : Kolkata (Kolkata maidan), Darjiling (Siliguri, Teesta Valley, Mahanadi), Jalpaiguri (Hasimara) and Murshidabad (Baharampur).

95. *Dineutus (spinosodineutus)*  
*unidentatus* (Aube)

*Distribution* : Kolkata (Bansdroni), Darjiling (Kalijhora), Haora (Botanical Garden) and Murshidabad (Baharampur).

Subfamily ORECTOCHILINAE

96. *Orectochilus (Patrus) cribratellus*  
*metallescens* Regimbart

*Distribution* : Darjiling (Ghumti, Kalimpong, Pashok, Kurseong).

97. *Orectochilus (Patrus) horni* Ochs

*Distribution* : Darjiling.

98. *Orectochilus (Patrus) andamanicus*  
Regimbart

*Distribution* : Kolkata.

99. *Orectochilus (Patrus) cardoni*  
Regimbart

*Distribution* : Kolkata.

100. *Orectochilus (Patrus) cuneatus*  
Regimbert

*Distribution* : Darjiling (Kurseong, Kalimpong, Sukna).

101. *Orectochilus (Patrus) cylindricus*  
Regimbert

*Distribution* : Medinipur (Garbeta).

102. *Orectochilus (Patrus) desgodinsi*  
Regimbert

*Distribution* : Darjiling (Chujhora, Kalimpong, Sureil, Gumuti, Kalimpong).

103. *Orectochilus (Patrus) discifer*  
(Walker)

*Distribution* : Darjiling (Kurseong).

104. *Orectochilus (Patrus) figuratus*  
Regimbart

*Distribution* : Darjiling (Pashok, Kurseong).

105. *Orectochilus (Patrus) fletcheri* Ochs  
*Distribution* : North 24 Pgs. (Brahmani river) and Medinipur (Garbeta).106. *Orectochilus (Patrus) gangeticus*  
(Wiedmann)

*Distribution* : Jalpaiguri, Medinipur (Garbeta) and Murshidabad (Baharampur).

107. **Orectochilus (Patrus) haemorrhous** Regimbart  
*Distribution* : North 24 Pgs. (Brahmani river).
108. **Orectochilus (Patrus) metallicus** Regimbart  
*Distribution* : Darjiling (Sureil, Kurseong).
109. **Orectochilus (Patrus) oblongiusculus** Regimbart  
*Distribution* : Darjiling (Teesta valley, Kalimpong, Singla, Kurseong).
110. **Orectochilus (Patrus) productus** Regimbart  
*Distribution* : North 24 Pgs. (Brahmani river), Kolkata (Eden Gardens), South 24 Pgs. (Garia), Darjiling (Siliguri) and Medinipur (Garbeta).
111. **Orectochilus (Patrus) ribeiroi** Vazirani  
*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Birbhum, Bardhaman, Kolkata, Koch Bihar, Darjiling, Haora, Hugli, Jalpaiguri, Maldah, Medinipur, Murshidabad, Nadia, Puruliya and Dinajpur.
112. **Orectochilus (Patrus) similis** Ochs  
*Distribution* : North 24 Pgs. (Brahmani river).
113. **Orectochilus (s. str.) murinus** Regimbart  
*Distribution* : Darjiling (Kalijhora, Kurseong, Singla, Kalimpong, Pashok).  
 Family HALIPLIDAE
114. **Haliplus (Liaphlus) angustifrons** Regimbart  
*Distribution* : Kolkata (Bansdroni).
115. **Haliplus (Liaphlus) arrowi** Guignot  
*Distribution* : South 24 Pgs. and Kolkata (Behala).
116. **Haliplus (Liaphlus) pruthi** Vazirani  
*Distribution* : Kolkata.
117. **Haliplus (Liaphlus) pulchellus indicus** Regimbart  
*Distribution* : Kolkata.
- Family RHYSODIDAE
118. **Omoglymmius (Orthoglymmius) darjilingensis** Saha, Haldar & Biswas  
*Distribution* : Darjiling (Gorubathan).  
 Family PAUSSIDAE  
 Sub family CERAPTERINAE
119. **Cerapterus latipes** Swederus  
*Distribution* : Bankura.
120. **Pleuropterus cardoni** Gestro  
*Distribution* : Bankura.  
 Subfamily PAUSSINAE
121. **Ceratoderus andrewesi** Desneux  
*Distribution* : Kolkata.
122. **Ceratoderus bifasciatus** (Koller)  
*Distribution* : Bankura.
123. **Euplatyrhopalus aplustrifer** (Westwood)  
*Distribution* : Bankura.
124. **Pausus pilicornis** Donovan  
*Distribution* : Kolkata.
125. **Pausus sesquisulcatus** Wasmann  
*Distribution* : Jalpaiguri (Madarihat forest) and Murshidabad (Sahebganj).
126. **Pausus cognatus** Westwood  
*Distribution* : Not known.
127. **Platyrhopalus denticornis** (Donovan)  
*Distribution* : Kolkata.
128. **Platyrhopalus intermedius** Benson  
*Distribution* : Darjiling (Pashok).
129. **Platyrhopalus angustus** Westwood  
*Distribution* : Murshidabad (Baharampur).  
 Family CICINDELIDAE  
 Sub family COLLYRINAE
130. **Neocollyris smithii** (Chaudoir)  
*Distribution* : Bankura and Bardhaman.
131. **Neocollyris attenuata** (Redtenbacher)  
*Distribution* : Darjiling (Singla, Lord Carmichael).

132. *Neocollyris bonelli* (Guerin)  
Distribution : Medinipur (Kharagpur).
133. *Neocollyris crassicornis* (Dejean)  
Distribution : Darjiling, 24 Pgs. (Saltlake) and Maldah.
134. *Neocollyris distincta* Chaudoir  
Distribution : Darjiling (Pashok).
135. *Neocollyris fuscitarsis*  
Schmidt-Goebel  
Distribution : Darjiling (Singla).
136. *Neocollyris feae* (Horn)  
Distribution : North 24 Pgs.
137. *Neocollyris saphyrina* (Chaudoir)  
Distribution : Darjiling (Pashok), Kolkata and Nadia.
138. *Neocollyris insignis* Chaudoir  
Distribution : Darjiling (Singla, Pashok).
139. *Neocollyris redtenbacheri* (Horn)  
Distribution : Darjiling (Pashok, Singla, Ghumti).
140. *Neocollyris samaragdina* Horn  
Distribution : Darjiling (Kurseong).
141. *Neocollyris saphyrina* Chaudoir  
Distribution : North 24 Pgs. (Kalyani) and Darjiling (Pashok).
142. *Neocollyris variicornis* (Chaudoir)  
Distribution : Darjiling (Mangpu, Singla).
143. *Neocollyris variitarsis* (Chaudoir)  
Distribution : Darjiling (Sukna, Singla).
144. *Collyris longicollis* Fabricius  
Distribution : Jalpaiguri (BTR).
145. *Collyris mniszechi*  
Distribution : Jalpaiguri (BTR).
146. *Tricondyla macrodera* Chaudoir  
Distribution : Darjiling (Pashok, Singla, Ghumti, Rungbong valley).  
Subfamily THERATINAE
147. *Therates dohertyi* Horn  
Distribution : Darjiling (Pashok).
148. *Therates gestroi* Horn  
Distribution : Darjiling (Kalimpong, Kurseong, Pashok, Ghumti).
149. *Therates obliquus* Fleutiaux  
Distribution : Darjiling (Pashok).  
Subfamily CICINDELINAE
150. *Cicindela chloropleura* Chaudoir  
Distribution : Darjiling (Pashok, Kalimpong, Rungeet valley).
151. *Cicindela dromicoides* Chaudoir  
Distribution : Darjiling (Ghoom, Palmajua).
152. *Cicindela funebris* Schmidt-Goebel  
Distribution : Darjiling (Kurseong).
153. *Cicindela tetrastacta* Wiedemann  
Distribution : Birbhum.
154. *Cicindela triguttata* Herbst  
Distribution : Kolkata and Darjiling (Kalimpong, Siliguri).
155. *Cicindela spinolae* Gestro  
Distribution : Darjiling (Rangpo, Peshok, Singla, Kalimpong) and Jalpaiguri (BTR).
156. *Cicindela striolata* Illiger  
Distribution : Jalpaiguri (BTR).
157. *Cicindela bicalor* Fabr.  
Distribution : Jalpaiguri (BTR).
158. *Cicindela duponti*  
Distribution : Jalpaiguri (BTR).
159. *Cicindela bigemina* Klug  
Distribution : Kolkata and Darjiling (Kurseong, Siliguri).
160. *Cicindela fabricii*  
Distribution : Jalpaiguri (BTR).
161. *Cicindela seriepunctata* Horn  
Distribution : Darjiling (Singla, Kalimpong, Rungest valley, Pashok).
162. *Cicindela imperfecta*  
Distribution : Jalpaiguri (BTR).

163. *Cicindela decempunctata* Dejean  
Distribution : Birbhum.
164. *Cicindela germanica*  
Distribution : Jalpaiguri (BTR).
165. *Cicindela undulata* Dejean  
Distribution : Kolkata.
166. *Cicindela erudita* Wiedemann  
Distribution : Jalpaiguri (BTR) and South 24 Pgs. (Sunderban).
167. *Cicindela grammophora* Chaudoir  
Distribution : Barddhaman, Kolkata and Maldah.
168. *Cicindela cognata* Wiedemann  
Distribution : Barddhaman, Darjiling and Murshidabad.
169. *Cicindela minuta* Olivier  
Distribution : Kolkata (Eden Gardens), Darjiling (Pashok) and Murshidabad.
170. *Cicindela nitida* Wiedemann  
Distribution : Barddhaman, Kolkata (Eden Gardens), Darjiling and Maldah.
171. *Cicindela agnata* Fleutiauxz  
Distribution : Barddhaman and Darjiling.
172. *Cicindela angulata* Fabricius  
Distribution : Barddhaman, Kolkata, Darjiling (Pankhabari), Jalpaiguri (BTR) and Maldah.
173. *Cicindela sumatrensis* Herbst  
Distribution : Kolkata, Darjiling (Siliguri) and Maldah.
174. *Cicindela cardoni* Fleutiaux  
Distribution : Barddhaman and Puruliya.
175. *Cicindela chloris* Hope  
Distribution : Darjiling (Siliguri).
176. *Cicindela funerea* MeLeay  
Distribution : Darjiling (Rangeet valley, Kalimpong, Singla, Rangpo, Rungbongvalley) and Jalpaiguri (BTR).
177. *Cicindela albopunctata* Chaudoir  
Distribution : Darjiling (Rhenock).
178. *Cicindela oberthuri* Fletiaux  
Distribution : Darjiling (Singla, Rungbong Valley).
179. *Cicindela octonotata* Wiedemann  
Distribution : Darjiling (Sukna, Pankhabari) and Jalpaiguri (BTR).
180. *Cicindela aurulenta* Fabricius  
Distribution : Darjiling (Rangpo, Rungeet valley, Ghumti, Pashok, Ghoom, Singla).
181. *Cicindela sexpunctata* Fabricius  
Distribution : Kolkata, North 24 Pgs. (Barrackpore) and South 24 Pgs. (Basanti, Sunderban).
182. *Cicindela aurovittata* Brulle  
Distribution : Kolkata.
183. *Cicindela assamensis* Parry  
Distribution : Darjiling and Jalpaiguri (BTR).
184. *Heptodonta nodicollis* (Bates)  
Distribution : Darjiling (Sureil, Kurseong, Lebong).
185. *Heptodonta kraatzi* Horn  
Distribution : Darjiling (Pashok, Ghoom, Singla).
186. *Heptodonta pulchella* (Hope)  
Distribution : Darjiling (Rangeet Valley, Rungbong valley, Mangpu).
187. *Prothyma exornata*  
Distribution : Jalpaiguri (BTR).
188. *Prothyma limbata*  
Distribution : Jalpaiguri (BTR).
189. *Prothyma proxima* Chaudoir  
Distribution : Birbhum.
- Suborder POLYPHAGA  
Superfamily HISTEROIDEA  
Family HISTERIDAE  
Subfamily HOLOLEPTINAE
190. *Hololepta elongate* Er.  
Distribution : Darjiling (Rambi) and Jalpaiguri (Rajabhatkhawa, Jaigaon).

191. ***Hololepta indica*** Er.  
*Distribution* : Darjiling (Rambi, Reang).
192. ***Hololepta laevigata*** Guerin  
*Distribution* : Darjiling (Rambi).  
 Subfamily ABRAEINAE
193. ***Abraeus paria*** Marscul  
*Distribution* : Darjiling (Teesta, Sukna).
194. ***Acritus copricola*** Cooman  
*Distribution* : Kolkata (Alipur) and Hugli (Bandel).
195. ***Acritus duchainei*** Cooman  
*Distribution* : Kolkata (Alipur) and Hugli.
196. ***Acritus exquisitus*** Cooman  
*Distribution* : Hugli.
197. ***Acritus pascuarum*** Cooman  
*Distribution* : Jalpaiguri (Madarihat).
198. ***Acritus tuberisternus*** Cooman  
*Distribution* : Koch Bihar (Dinhata).
199. ***Chaetabraeus fakir*** (Lewis)  
*Distribution* : Jalpaiguri (Gayerkata).  
 Subfamily DENDROPHILINAE
200. ***Bacanius atomarius*** Sharp  
*Distribution* : Jalpaiguri (Madarihat).
201. ***Platylomalus oblisus*** (Lewis)  
*Distribution* : Jalpaiguri (Balsingpara, Lankapra).
202. ***Platylomalus oceanitis*** (Mars.)  
*Distribution* : Kolkata and Darjiling (Rambi).  
 Subfamily HISTERINAE
203. ***Apobletes bengalensis*** Chakraborty & Biswas  
*Distribution* : Jalpaiguri (Lankapara, Hasimara, Jaldapara Sanctuary, Rajabhatkhawa, Falakata).
204. ***Apobletes marginicollis*** Lewis  
*Distribution* : Jalpaiguri (Rajabhatkhawa).
205. ***Apobletes planidorsum*** Bickhardt  
*Distribution* : Darjiling (Sukna) and Jalpaiguri (Rajabhatkhawa).
206. ***Atholus coelestis*** (Mars.)  
*Distribution* : Bankura (Heera Parbat) and Darjiling (Singla, Lord Charmichael, Dange).
207. ***Atholus silvicola*** (Lew.)  
*Distribution* : Darjiling (Dange, Rangtong).
208. ***Chronus scaliformis*** Desb.  
*Distribution* : Kolkata (Tollygunge) and Darjiling (Thepi, Bijanbari, Dange).
209. ***Cypturus bengalensis*** Lewis  
*Distribution* : Medinipur (Belpahari).
210. ***Eurylister sincerus*** (Schm.)  
*Distribution* : Hugli (Bhadreswar) and Jalpaiguri (Gayerkata).
211. ***Hister javanicus*** Paykul  
*Distribution* : Bankura (Piardoba, Simlapal).
212. ***Hister luciscus*** Lewis  
*Distribution* : Jalpaiguri (Gayerkata).
213. ***Hister pullatus*** Erichson  
*Distribution* : South 24 Pgs. (Sonarpur) and Bankura (Simlapal).
214. ***Hister punctulatus*** Wied.  
*Distribution* : Murshidabad.
215. ***Hyposolenus bengalensis*** (Lewis)  
*Distribution* : Darjiling (Singla, Lord Charmichael).
216. ***Pachylister chinensis*** (Quens)  
*Distribution* : Darjiling (Singla, Lord Charmichael) and Murshidabad.
217. ***Parepierus corticicola*** Bickhardt  
*Distribution* : Jalpaiguri (Dalsingpara, Lankapara, Jaldapara Sanctuary).
218. ***Platylister atratus*** (Erichson)  
*Distribution* : South 24 Pgs. (Baruipur), Kolkata (Bansdroni), Darjiling (Singla, Lord Charmichael), Hugli (Bhadreswar) and Jalpaiguri (Santalbari).
219. ***Platylister borneolus*** (Mars.)  
*Distribution* : Darjiling (Chunabhati, Teesta).

220. **Platylister cambodjensis** (Mars)  
Distribution : Darjiling (Sukna).
221. **Platylister odiosus** (Mars.)  
Distribution : Jalpaiguri (Santalbari, Falakata).
222. **Platylister strialis** (Mars.)  
Distribution : Darjiling (Gorubathan, Rambh) and Jalpaiguri (Falkata).
223. **Platysoma brahmani** Lewis  
Distribution : Darjiling (Sukna, Lodhama) and Jalpaiguri (Jalgaon).
224. **Platysoma brevistriatum** Lewis  
Distribution : Darjiling (Lodhama).
225. **Platysoma confucii** Marseul  
Distribution : Bankura (Amarkan), Darjiling (Garubathan, Bhuttabari, Rambh) and Jalpaiguri (Lankapara, Jaldapara sanctuary, Falakata).
226. **Santalus orientalis** (Paykul)  
Distribution : Bankura (Hatirampur), Darjiling (Singla, Lord Charmichael) and Medinipur (Belpahari).
227. **Santalus parallelus** (Redt.)  
Distribution : Bankura (Heera parbat) and Darjiling (Singla, Lord Charmichael).
228. **Silinus palmipes** Lewis  
Distribution : Darjiling (Singla).
229. **Tribalus** sp.  
Distribution : Jalpaiguri (Dalsingpara).  
Subfamily SAPRINAE
230. **Chalcionellus pulchellus** (Fabricius)  
Distribution : Hugli (Singur).
231. **Hypocacculus malabaricus** Rich.  
Distribution : Hugli (Singur).
232. **Saprinus chalcites** (Illiger)  
Distribution : Jalpaiguri.
233. **Saprinus frontistrius** Marseul.  
Distribution : Hugli (Singur).
234. **Saprinus optabilis** Mars.  
Distribution : Jalpaiguri (Gayerkata).
- Superfamily CUCUJOIDEA  
Family COCCINELLIDAE  
Subfamily CHILOCHORINAE
235. **Brumus suturalis** (Fabricius)  
Distribution : North 24 Pgs. (Naihati), South 24 Pgs. (Sonarpur), Birbhum (Illambazar, Ballavpur, Labhpur, Gopalpur, Mohammad Bazar), Darjiling (Chunabhati, Mirik), Jalpaiguri (Hatkhola, Binaguri tea estate), Koch Bihar (Baxirhat), Medinipur (Digha, Daigheri forest) and Murshidabad (Jiyagunj, Beldanga, Lalgola).
236. **Chilocorus braeti** Weise  
Distribution : Darjiling.
237. **Chilocorus nigrinus** (Fabricius)  
Distribution : Kolkata (Dhapa), Haora (Shibpur), Medinipur (Bholabheda) and Nadia (B.C.K.V.).
238. **Chilocorus politus** Mulsant  
Distribution : Darjiling (Pandam). Nadia (B.C.K.V.).
239. **Chilocorus rubidus** Hope  
Distribution : Not known.
240. **Telsimia darjilingensis** Kapur  
Distribution : Not known.  
Subfamily COCCIDULINAE
241. **Rodolia breviscula** (Weise)  
Distribution : Nadia (Kalyani) and Kolkata (Eden Gardens, New Alipore).
242. **Rodolia amabilis** Mulsant  
Distribution : Not known.
243. **Rodolia fumida** Mulsant  
Distribution : Haora (Choona bhati) and North 24 Pgs. (New Barrackpore).
244. **Rodolia ruficollis** Mulsant  
Distribution : Not known.  
Subfamily COCCINELLINAE
245. **Adonia variegata** (Goeze)  
Distribution : Not known.
246. **Anisolemnia pearsoni** (crotch)  
Distribution : Not known.

247. *Callicaria superba* (Mulsant)

*Distribution* : Darjiling.

248. *Calvia dorsonotata* Mulsant

*Distribution* : Not known.

249. *Calvia thoracica* Wise

*Distribution* : Not known.

250. *Calvia sykesi* Crotch

*Distribution* : Not known.

251. *Menochilus sexaculatus* (Fabricius)

*Distribution* : Not known.

252. *Synharmonia signatella* (Mulsant)

*Distribution* : Not known.

253. *Coccinella decempunctata*

*Distribution* : Jalpaiguri (BTR).

254. *Coccinella transversalis* Fabricius

*Distribution* : North 24 Pgs. (Naihati, Barasat), Bankura (Susunia, Amtala, Mukutmanipur, Ranibandh, Hatirampur), Birbhum (Sainthia, Suri), Kolkata (Dhapa, Eden Gardens, Behala), Darjiling (Garubathan, Chunabhati, Singhala, Sukhna, Mirik, Phansidewa), Haora (Maheshpur, Ulberia), Jalpaiguri (Binaguri, Rajabhatkhawa), Koch Bihar (Mathabhanga), Maldah (Gangarampur, Pakuahat, Dhulian), Puruliya (Ajodhya Hills), Medinipur (Daigheri forest, Gangadharpur, Digha, Sankarpur forest) and Murshidabad (Azimganj, Jiyaganj, Amarpur, Jangipur, Sagar Dighi, Baharampur, Cossimbazar, Lalgola).

255. *Coccinella septempunctata*

Linnaeus

*Distribution* : Kolkata (Dhapa), Murshidabad (Baharampur, Jiyaganj, Raghunathganj, Jangipur, Amarpur, Sagardighi, Ialbag, Azimganj, Cossimbazar), Medinipur (Gangarampur, Digha, Bamangola), Maldah, Jalpaiguri (Jaldapara) and Darjiling (Reang, Kalimpong, Singla, Pedang, Mahananda, Lava, Teesta bazar, Tarkhola, Dowhill, Jhepi, Mirik, Tindharia, Sukhia, Ghoombhanjang, Lepchjagat).

256. *Coccinella repanda* Thunberg

*Distribution* : Not known.

257. *Coelophora pupillata* (Swartz)

*Distribution* : Kolkata (Naktala).

258. *Coelophora bissellata* Mulsant

*Distribution* : Darjiling (Reang, Gorubathan, Chunabhati, Bograkota, Nazeok, Kalimpong, Thumthung khola) and Jalpaiguri (Hasimara).

259. *Coelophora sexareata* Mulsant

*Distribution* : Darjiling (Chunabhati, Kalimpong, Melli, Tumthungkhola, Singla bazar, Mahanadi, Lopchu).

260. *Coelophora unicolor* (Fabricius)

*Distribution* : Not known.

261. *Coelophora westermanni* Mulsant

*Distribution* : Not known.

262. *Halyzia straminea* Hope

*Distribution* : Not known.

263. *Harmonia arcuata* (Fabricius)

*Distribution* : Kolkata (Bansdronei, Naktala) and Haora (Bagnan).

264. *Illeis indica* Timberlake

*Distribution* : Birbhum (Bagmara), Haora (Bagnan), Jalpaiguri (Alipurduar, Bijanbari forest) and Murshidabad (Baharampur, Sagardighi, Cossimbazar).

265. *Leis dimidiata* (Fabricius)

*Distribution* : Darjiling (Reang, Singla).

266. *Micraspis cardoni* (Weise)

*Distribution* : Bankura and Medinipur (Bholaveda).

267. *Micraspis discolor* (Fabricius).

*Distribution* : Nadia (Kalyani), North 24 Pgs. (Duttapukur, Barrackpore, Ichapur), South 24 Pgs. (Sonarpur, Baruipur, Budge Budge, Sunderban), Bankura (Bishnupur), Birbhum (Nalhati, Illambazar), Kolkata (Dhapa, Eden Gardens, Alipur, Salt Lake, Lake gardens, Behala), Darjiling (Mirik, Chatirhat, Panihati, Phansidewa), Haora (Abhirampur, Bagnan), Hugli (Sheoraphuly, Mankundu, Pandooah,



Bandel), Jalpaiguri (Jaigon, Binaguri, Falakata, Rajabhatkhawa, Jainti, Baribhase), Koch Bihar (Balabhat, Tufangunj, Pestrjhur), Maldah (Chaneal, Gangarampur, Pakuhath, Dhulian, Alal, Bamangola, Nimbari, Parbatidanga), Medinipur (Gangadharpur, Digha) and Murshidabad (Baharampur, Cossimbazar, Bhakri, Rajchandpur, Dayanagar, Jiyaganj, Jangipur).

268. *Micraspis vincta* (Gorham)

*Distribution* : Not known.

269. *Oenopia kirbyi* Mulsant

*Distribution* : Darjiling (Andherikhola, Samsing, Lolegaon).

270. *Oenopia luteopustulata* Mulsant

*Distribution* : Nadia (Kalyani), Bankura (Patra sagar, Ganga jachati), Birbhum (Khayrakuri, Illam bazar), Kolkata (Jadavpur, Eden Gardens), Darjiling (Chunabhati, Bograkotra, Kalimpong, Melli, Singla bazar, Lolegaon, Fansidewa), Hugli (Sheoraphuly), Jalpaiguri (Paltanpara forest, Rajabhatkhawa, Alipurduar, Jainti, Shaktigarh), Koch Bihar (Mathabhanga, Tufangunj), Maldah (Alai), Medinipur (Bholadheda, Kankrajhar forest, Daigheri forest), Murshidabad (Baharampur) and Puruliya (Ajodhya hills).

271. *Oenopia sauzeti* Mulsant

*Distribution* : Darjiling (Singla, Mahandi, Melli, Teesta bazar, Rangpo) and Jalpaiguri (Jainti Hills).

272. *Oenopia quadripunctata* Kapur

*Distribution* : Not known.

273. *Aiolocaria dodecaspilota* (Hope)

*Distribution* : Darjiling.

274. *Synonycha grandis* (Thunbg.)

*Distribution* : Darjiling (Kalimpong).

Subfamily EPILACHNINAE

275. *Afidenta gradaria* Dieke

*Distribution* : Not known.

276. *Afidenta mimetica simplex* Weise

*Distribution* : North 24 Pgs. (Barrackpore) and Darjiling (Teesta bazar).

277. *Afidentula manderstjernae*

(Mulsant)

*Distribution* : Darjiling (Garubathan, Ghoomti, Ghombhanjang, Downhill).

278. *Afidentula himalayana* Kapur

*Distribution* : Darjiling (Ghoombhanjang, Dow hill, Sonada, Tiger hill).

279. *Afissa bengalica* Dieke

*Distribution* : Darjiling (Reyang, Kurseong).

280. *Afissa flavicollis* (Thunberg)

*Distribution* : Darjiling (Reyang, Mousong, Rongpo, Goke, Lolegaon, Mirik, Tarkhola) and Jalpaiguri (Bijanbzri forest, Jainti, Paltanpara forest, Rajabhatkhawa, Jaldapara).

281. *Afissa maculicollis* (Sicard)

*Distribution* : Jalpaiguri (Jaldapara).

282. *Afissa mysticoides* (Sicard)

*Distribution* : Darjiling (Downhill, Lopchu, Mirik, Jhepi).

283. *Afissa atypica* Dieke

*Distribution* : Not known.

284. *Afissa congener* (Gorham)

*Distribution* : Not known.

285. *Afissa dumerili* (Mulsant)

*Distribution* : Not known.

286. *Afissa grayi* (Mulsant)

*Distribution* : Not known.

287. *Afissa macularis* (Mulsant)

*Distribution* : Not known.

288. *Afissa marginicollis* (Hope)

*Distribution* : Not known.

289. *Afissa mystica* (Mulsant)

*Distribution* : Not known.

290. *Epilachna septima* Dieke

*Distribution* : Nadia (Kalyani), North 24 Pgs. (Dogachia), Bankura (Taldangra), Kolkata (Bansdronei, Naktala), Darjiling (Rangpo), Hugli (Chandannagar), Jalpaiguri (Falakata) and Murshidabad (Baharampur).

291. *Epilachna vigintioctopunctata*  
(Fabricius)

*Distribution* : Kolkata (Eden Gardens, Banskroni, New Alipur), Darjiling (Melli), Haora (Kamarkundu, Chandannagar, Bandel), Koch Bihar (Tufangunj), Medinipur (Jhargram) and Murshidabad (Dayanagar, Cossimbazar, Baharampur).

292. *Epilachna suspiciosa* Weise

*Distribution* : Not known.

293. *Epilachna ocellata* Redtenbacher

*Distribution* : Not known.

294. *Epilachna moorei* Crotch.

*Distribution* : Not known.

295. *Epilachna indica* Mulsant

*Distribution* : Not known.

296. *Epilachna dodecastigma*  
(Wiedemann)

*Distribution* : Kolkata (Dhapa, Banskroni, Behala), Haora (Jalpai Bagan, Chandananagar) North 24 Pgs. (Chandpara), Nadia (Ranaghat), Murshidabad (Baharampur, Dayanagar, Cossimbazar), Maldah (Nimbari).

297. *Epilachna deyrollii* Crotch

*Distribution* : Not known.

298. *Epilachna bhutanensis* Bielawski

*Distribution* : Jalpaiguri.

Subfamily SCYMNINAE

299. *Aspidimerus birmanicus* (Gorh.)

*Distribution* : Darjiling (Tarkhola).

300. *Cryptogonus ariasi* (Mulsant)

*Distribution* : Darjiling (Lolegaon, Teesta bazar).

301. *Cryptogonus bimaculatus* Kapur

*Distribution* : Darjiling (Garubathan, Lolegaon).

302. *Cryptogonus complexus* Kapur

*Distribution* : Darjiling (Teesta Bazar, Tarkhola, Lopchu).

303. *Cryptogonus orbiculus var fulvocinctus* (Mulsant)

*Distribution* : Darjiling (Lolegaon).

304. *Cryptogonus orbiculus var. lunatus* Kapur

*Distribution* : Darjiling (Garubathan).

305. *Cryptogonus quadriguttatus* (Weise)

*Distribution* : Darjiling (Lolegaon, Melli Rangpo, Tarkhola) and Koch Bihar (Baxirhat).

306. *Cryptogonus postmedialis* Kapur

*Distribution* : Not known.

307. *Pseudaspidimerus circumflexa var. testaceus* (Weise)

*Distribution* : North 24 Pgs. (New Barrackpore), South 24 Pgs. (Baruipur, Kodaliala, Subhasgram), Kolkata (Behala) and Hugli (Sheoraphuly).

308. *Stethorus indira* Kapur

*Distribution* : Not known.

309. *Stethorus pauperculus* Weise

*Distribution* : Not known.

310. *Stethorus tetranychii* Kapur

*Distribution* : Not known.

311. *Pullus pyrocheilus* (Mulsant)

*Distribution* : Not known.

312. *Pullus brunnescens* (Motschulsky)

*Distribution* : Not known.

313. *Nephus roonwali* Kapur

*Distribution* : Not known.

Subfamily STICHOLOTINAE

314. *Jauravia pallidula* Motschulsky

*Distribution* : Kolkata (Hugli).

315. *Jauravia soror* (Weise)

*Distribution* : Birbhum (Illambazar), Kolkata (Eden Gardens, Naktala) and Hugli (Pandooah).

Family MELOIDAE

Subfamily MELOINAE

316. *Cyaneolytta acteon* (Laporte)

*Distribution* : Maldah and Murshidabad (Baharampur).

317. *Cylindrothorax braetii* (Fairmaire)  
Distribution : Not known.

318. *Eletica testacea* Oliver

Distribution : Darjiling (Reang).

319. *Eletica bengalensis* Saha & Das

Distribution : Barddhaman.

320. *Epicauta hirticornis* (Haag-Rutenberg)

Distribution : Darjiling (Rekyong, Kalimpong, Tindaria, Rangpo, Goke Singta, Ghoom, Bijanbari, Pulbazar).

321. *Epicauta hirtipes* (Waterhouse)

Distribution : Darjiling (Kurseong).

322. *Epicauta mannerheimi* (Maklin)

Distribution : Maldah, Murshidabad.

323. *Epicauta nepalensis* (Hope)

Distribution : Darjiling (Kalimpong, Ghoom Bhanjang, Andheri khola, Rangpo, Goke Singla, Palbazar, Rangirum) and Jalpaiguri (BTR).

324. *Epicauta ruficeps*

Distribution : Jalpaiguri (BTR).

325. *Lytta cardonii* (Fairmaire)

Distribution : Not known.

326. *Mylabris cichorii* (Linnaeus)

Distribution : South 24 Pgs. (Garia), Bankura (Ganga-Jachati), Darjiling (Mangpu, Gopaldhara, Kalimpong) and Jalpaiguri (Rangiram, Naxalbari, Rongpo, BTR).

327. *Mylabris phalerata* (Pallas)

Distribution : Nadia (Kalyani, Haringhata), North 24 Pgs. (Gobardanga), South 24 Pgs. (Garia), Bankura (Patrasayar, Taldengra, Amtola), Kolkata (Bansdroni, Alipur, Dhapa), Haora (Pancha para), Hugli (Uttarpara, Dighara), Jalpaiguri (Naxalbari, Rangiram) and Medinipur (Jhargram).

328. *Mylabris pustulata*

Distribution : Jalpaiguri (BTR).

329. *Mylabris thunbergi* Billberg

Distribution : South 24 Pgs. (Gobindapur), Bankura (Radhanagar, Ganga-Jachati, Amtola, Patrasayar) and Murshidabad.

330. *Psalydolytta wellmani* kaszab

Distribution : Maldah.

Family TENEBRIONIDAE

Subfamily TENEBRIOMINAE

331. *Alphitobius diaperinus* Oertzen

Distribution : Kolkata.

332. *Alphitobius laevigatus* (Fabricius)

Distribution : Kolkata (Kidderpore).

333. *Alphitobius piceus*

Distribution : Bankura (Radhanagar).

334. *Anacycus navicularis* Fairm.

Distribution : Kolkata.

335. *Hypophloeus cephalotes* Gebien

Distribution : Darjiling (Pashok).

336. *Hypophloeus ratzeburgii* Wissmm

Distribution : Kolkata.

337. *Hypophloeus tripartitus* Blair

Distribution : Kolkata.

338. *Latheticus oryzae* Waterhouse

Distribution : Kolkata (Cossipore).

339. *Lyphia elongata* Pic.

Distribution : Kolkata and Darjiling (Goke).

340. *Palorus foveicollis* Blair

Distribution : Kolkata.

341. *Palorus ratzeburgii* Wiss

Distribution : Not known.

342. *Platylolium alveolarium* Blair

Distribution : Kolkata.

343. *Tenebroides mauritanicus* Linn.

Distribution : Nadia (Kalyani).

344. *Tribolium castaneum* (Herbst.)

Distribution : North 24 Pgs. (Bangaon), Kolkata and Haora (Howrah railway godown).

345. *Tribolium confusum* Jacq. du. Val.

Distribution : Kolkata.

346. *Uloma javana* Geb.

Distribution : Darjiling (Garubathan) and Jalpaiguri (Garumara NP).

347. *Uloma kulzeri* Ardoin  
Distribution : Darjiling (Kurseong).
348. *Uloma orientalis* Cast.  
Distribution : Darjiling (Sureil).
349. *Uloma rubripes* Hope  
Distribution : Darjiling (Sureil, Pashok, Sureil).
350. *Uloma rufilabris* Fairm.  
Distribution : Darjiling (Pashok).
351. *Uloma scita* Walker  
Distribution : Darjiling (Pashok).
352. *Uloma solita* Wied.  
Distribution : Kolkata and Darjiling (Reyang).
- Subfamily TENEBRIONINAE
353. *Anthracias punctipennis* Gravely  
Distribution : Medinipur (Jhargram).
354. *Balptyscellis alpinus* Kaszab  
Distribution : Darjiling (Sandakphu).
355. *Basanus javanus* Chevr.  
Distribution : Kolkata (Indian museum).
356. *Ceropria induta* Wied  
Distribution : Darjiling (Mangpu).
357. *Ceropria inoluta*  
Distribution : Darjiling (Mangpu, Kalimpong).
358. *Ceropria laticollis* Fairm.  
Distribution : Darjiling (Pashok, Kalimpong).
359. *Ceropria subocellata* Lewis  
Distribution : Darjiling (Mangpu, Kalimpong).
360. *Cossyphus depressus* Fab.  
Distribution : South 24 Pgs. (Baruipur), Birbhum (Santiniketan), Jalpaiguri (Garumara NP) and Puruliya (Ajodhya Hills).
361. *Crypsis blairi* Kaszab  
Distribution : Darjiling (Darjiling).
362. *Cyriogeton insignis* Pasc.  
Distribution : Darjiling (Kurseong).
363. *Cyriogeton purpureus* Pic.  
Distribution : Darjiling (Kurseong).
364. *Derispia bengalensis* Kaszab  
Distribution : Darjiling (Pashok).
365. *Derispia subseriata* Kaszab  
Distribution : Darjiling (Mangpu, Kalimpong).
366. *Derispia truncata* Kaszab  
Distribution : Kolkata.
367. *Derosphaerus cribrum* Fairm.  
Distribution : Kolkata.
368. *Dicraeosis amplous* Gebien  
Distribution : Darjiling (Ghumti, Kalimpong).
369. *Encyalesthus cribrum* Kaszab  
Distribution : Kolkata.
370. *Gonocephalum bilineatum* (Walker)  
Distribution : Maldah (Bamarigota).
371. *Gonocephalum consobrinum* Blair  
Distribution : Kolkata.
372. *Gonocephalum curiosum* Kaszab  
Distribution : Kolkata.
373. *Gonocephalum depressum* Fab.  
Distribution : Nadia (Dhubulia), South 24 Pgs. (Baruipur, Diamond Harbour), Bankura (Bishnupur), Kolkata (Eden Gardens, Dhapa), Darjiling (Darjiling, Bijanbari), Hugli (Bhadrewar), Jalpaiguri (San stream, Jaigaon), Maldah (Bamarigota) and Medinipur (Digha).
374. *Gonocephalum elytrale* Kaszab  
Distribution : Kolkata.
375. *Gonocephalum hoffmannseggi* Steven  
Distribution : Kolkata (Dhapa).
376. *Gonocephalum nepalicum* Kaszab  
Distribution : Darjiling (Singla, Kalimpong).
377. *Gonocephalum oblongum* Fab.  
Distribution : Darjiling (Kalimpong) and Maldah (Bamalghola, Golapganj).

378. *Gonocephalum planatum* Walker

*Distribution* : Kolkata (Dhapa).

379. *Gonocephalum* sp.

*Distribution* : Nadia (Palpara), South 24 Pgs. (Pathankhali, Sagar Island), Bankura (Hatirampur), Darjiling (Samsingh, Sukna, Kalimpong, Mahananda, Kurseong, Bijanbari, Darjiling, Garubathan), Maldah (Gopalganj, Nalkhokson, Bamarigota) and Murshidabad (Lalbagh, Baharampur, Amarpur).

380. *Gonocephalum stockleini* Kaszab

*Distribution* : Kolkata (Dhapa).

381. *Gonocephalum strigatum* Fab.

*Distribution* : Kolkata (Alipur).

382. *Gonocephalum tuberculatum*

*Distribution* : Darjiling (Kalimpong) and Puruliya (Ajodhya hills).

383. *Gonocephalum woyonorovichii*

Kaszab

*Distribution* : Kolkata (Dum Dum) and Maldah (Nalakhokson).

384. *Gonocephalum vagum* Steven

*Distribution* : South 24 Pgs. (Diamond harbour, Sonarpur), Kolkata (Dhapa, Alipur, Dum Dum) and Haora (Botanical Garden).

385. *Hexarhopalus foveipenne* Fairm.

*Distribution* : Darjiling (Sukia pokhri, Sureil).

386. *Hoplobrachium asperipenne* Fairm

*Distribution* : Kolkata.

387. *Indenicmosoma posci* Kaszab

*Distribution* : Kolkata (Eden Gardens).

388. *Leiochrinus rufofulvus* Westw.

*Distribution* : Darjiling (Link soka).

389. *Leiochrinus sauteri* Kaszab

*Distribution* : Not known.

390. *Lyprops gracilior* Fairm.

*Distribution* : Darjiling (Kalimpong).

391. *Lyprops indicus* Wied.

*Distribution* : Darjiling (Pashok).

392. *Mesomorphus laticulus* Chatanay

*Distribution* : Hugli (Nasibpur).

393. *Mesomorphus villiger* Blanch.

*Distribution* : Kolkata and Hugli (Singur).

394. *Mesomorphus vitalisi* Chatanay

*Distribution* : Kolkata.

395. *Microcrypticus scripticum* Lewis

*Distribution* : Kolkata.

396. *Microcrypticus ziczac*

(Motschulsky)

*Distribution* : Kolkata (Ballygunge).

397. *Opatroides helopioides* Dj.

*Distribution* : Bankura (Bishnupur) and Puruliya (Ajodhya Hills).

398. *Opatroides vicinus* Fairm.

*Distribution* : Kolkata (Kidderpore) and Darjiling (Kalimpong).

399. *Platolenes darjilingnesis* Saha

*Distribution* : Darjiling (Pashok).

400. *Platynotus deryollei* Mulsant & Roy

*Distribution* : Haora (Howrah railway godown).

401. *Platynotus excavatus* Fab.

*Distribution* : Kolkata.

402. *Scleron ferrugineum* Fabr.

*Distribution* : Kolkata (Eden Gardens) and Hugli (Bandel).

403. *Scleron irregulata* (Dist.)

*Distribution* : Darjiling (Kalimpong).

404. *Scleron reitteri* Gebien

*Distribution* : Kolkata (Dhapa).

405. *Scleropatrum arenarium* Fab.

*Distribution* : Haora (Shibpur).

406. *Scleropatrum strigatum* Fabr.

*Distribution* : Kolkata (Saltlake).

407. *Setenis indosinica* Fairm.

*Distribution* : Darjiling (Mongphu, Kalimpong).

408. *Setenis laevis* Fairm.

*Distribution* : Darjiling (Mangpu, Kalimpong).

409. **Setenis mandibularis** Gebien  
Distribution : Kolkata.
410. **Strongylium bengalensis** Saha & Das  
Distribution : Darjiling (Bhanganj).
411. **Strongylium dubium** Gebien  
Distribution : Darjiling (Kurseong).
412. **Strongylium schowmi** Makl.  
Distribution : Darjiling (Kurseong).
413. **Toxicum assamensis** Pic.  
Distribution : Darjiling (Pashok).
414. **Toxicum richesianum** Latr.  
Distribution : Darjiling (Pashok).
415. **Trigonopoda malabaricus** Fairm.  
Distribution : Hugli (Barasanti, Singuar).
416. **Upis nigra** Wied  
Distribution : Kolkata.  
Subfamily TENTYRIINAE
417. **Mesostena lineatopunctata** (Kraatz.)  
Distribution : Haora (Howrah railway godown).
418. **Stenosis medinipurensis** Saha & Das  
Distribution : Medinipur (Palsandapur).  
Family BRENTHIDAE
419. **Tracheligus bisulcatus** Fab.  
Distribution : Jalpaiguri (BTR).
420. **Barynthynchus miles** Boheman  
Distribution : Jalpaiguri (BTR).  
Family HELOTIDAE
421. **Helota serillei** Hope  
Distribution : Jalpaiguri (BTR).  
Superfamily CHRYSOMELOIDEA  
Family CHRYSOMELIDAE  
Subfamily SAGRINAE
422. **Sagra femorata** (Drury)  
Distribution : Jalpaiguri (Naxalbari).
423. **Sagra empyrae** Lacordaire  
Distribution : North 24 Pgs., South 24 Pgs., Bankura, Bardhaman, Birbhum, Kolkata, Darjiling, Haora, Hugli, Jalpaiguri, Koch Bihar, Maldah, Medinipur, Murshidabad, Nadia, Puruliya and Dinajpur.  
Subfamily CASSIDINAE
424. **Aspidomorpha chandrika** Maulik  
Distribution : Darjiling (Rangpo) and Jalpaiguri (BTR).
425. **Aspidomorpha dorsata** (Fabricius)  
Distribution : Darjiling (Reyang, Rangtong, Lord Carmichael) and Jalpaiguri (BTR).
426. **Aspidomorpha furcata** (Thunberg)  
Distribution : South 24 Pgs. (Santoshpur), Darjiling (Pashok) and Jalpaiguri (BTR).
427. **Aspidomorpha fuscopunctata** Boheman  
Distribution : Haora (Shibpur) and Jalpaiguri (BTR).
428. **Aspidomorpha indica** Boheman  
Distribution : South 24 Pgs. (Jainagar, Sonarpur), Kolkata and Darjiling (Pasok, Ghumti, Darjiling, Lord Carmichael).
429. **Aspidomorpha inquinata**  
Distribution : Jalpaiguri (BTR).
430. **Aspidomorpha miliaris** (Fabricius)  
Distribution : North 24 Pgs. (Barracpore, Sodepur), South 24 Pgs. (Sonarpur, Subhasgram, Budge Budge), Kolkata (Horti-Garden), Darjiling (Mangpu), Haora (Santragachi, Mourigram, Shibpur, Panchpara), Hugli (Chandannagar), Jalpaiguri (BTR) and Maldah.
431. **Aspidomorpha orientalis** Boheman  
Distribution : Darjiling (Zsingla).
432. **Aspidomorpha sanctaecrucis** (Fabricius)  
Distribution : Darjiling (Sukna, Kurseong, Singla), Jalpaiguri (BTR) and Murshidabad.

433. *Basiprionota decemmaculata*  
(Boheman)  
*Distribution* : Darjiling (Pashok, Kalimpong, Lord Carmichael) and Jalpaiguri (BTR).
434. *Basiprionota impustulata*  
(Boheman)  
*Distribution* : Kolkata.
435. *Basiprionota maculipennis*  
*Distribution* : Jalpaiguri (BTR).
436. *Basiprionota punctipennis*  
(Wagner)  
*Distribution* : Kolkata.
437. *Calopepia leayana* Latreille  
*Distribution* : Jalpaiguri (BTR).  
Subfamily HALTICINAE
438. *Podontia quatuodecimpunctata*  
Linn.  
*Distribution* : Jalpaiguri (BTR).
439. *Cassida petulans* Spaeth  
*Distribution* : Darjiling (Kalimpong, Mangpu, Lord Carmichael, Urseong, Singla).
440. *Cassida australica* Boheman  
*Distribution* : Darjiling (Lord Carmichael, Mahanadi, Botanical Garden) and Jalpaiguri (BTR).
441. *Cassida belliformis* Maulik  
*Distribution* : Darjiling (Lebong, Bhutia basti, Rangiroom, Botanical Garden).
442. *Cassida catenata* Boheman  
*Distribution* : Darjiling (Mangpu).
443. *Cassida circumdata* Herbst  
*Distribution* : Darjiling (Tung).
444. *Cassida conchylata* (Spaeth)  
*Distribution* : Darjiling (Mangpu) and Jalpaiguri (BTR).
445. *Cassida desultrix* (Spaeth)  
*Distribution* : Darjiling (Lord Carmichael).
446. *Cassida dorsonotata* Boheman  
*Distribution* : Darjiling (Kurseong).
447. *Cassida enervis* Boheman  
*Distribution* : North 24 Pgs. (Barrackpore), South 24 Pgs. (Diamond harbour, Santoshpur, Dattabad, Chaprasiabad, Kharbaria), Kolkata (Eden Gardens, Dhapa, Zoological Garden, Saltlake), Haora (Shibpur, Mourigram) and Hugli (Pandooah, Andul, Tribeni).
448. *Cassida flavoscutata* Spaeth  
*Distribution* : Darjiling.
449. *Cassida homi*  
*Distribution* : Jalpaiguri (BTR).
450. *Cassida icterica* Boheman  
*Distribution* : Kolkata.
451. *Cassida justa* Spaeth  
*Distribution* : Darjiling.
452. *Cassida nigriventris* Boheman  
*Distribution* : Darjiling (Kurseong, Mahanadi, Botanical Garden, Rangpo).
453. *Cassida occursans* Spaeth  
*Distribution* : Darjiling (Ghumti, Lord Carmichael, Mangpu, Kalimpong).
454. *Cassida obtusata* Boheman  
*Distribution* : Darjiling (Tung).
455. *Cassida pusillula* Boheman  
*Distribution* : Kolkata (Eden Gardens) and Haora (Sibpur, Andul).
456. *Cassida stupa* Maulik  
*Distribution* : North 24 Pgs. (Dum Dum, Barrackpore, Barasat), South 24 Pgs. (Sonarpur, Canning, Kamalgachi), Kolkata (Horticulture Garden, Dhapa, Eden Gardens), Haora (Sibpur) and Jalpaiguri (BTR).
457. *Cassida syratica* Boheman  
*Distribution* : Darjiling (Kurseong) and Jalpaiguri (BTR).
458. *Cassida timefacta*  
*Distribution* : Jalpaiguri (BTR).
459. *Cassida varians* Herbst  
*Distribution* : Kolkata and Murshidabad (Baharampur).

460. ***Chiridopsis bipunctata*** (Linnaeus)  
*Distribution* : South 24 Pgs. (Sonarpur, Databad) and Darjiling (Tindharia).
461. ***Chiridopsis septemnotata***  
 (Boheman)  
*Distribution* : Kolkata and Darjiling (Kalimpong, Mahanadi).
462. ***Chiridopsis promiscua*** (Boheman)  
*Distribution* : Bankura (Hatirampur).
463. ***Conchyloctenia nigrovittata***  
 (Boheman)  
*Distribution* : Kolkata.
464. ***Craspedonta leayana*** (Latreille)  
*Distribution* : Darjiling (Mangphu, Nazeok).
465. ***Epistictina viridimaculata*** (Bohemen)  
*Distribution* : Darjiling and Jalpaiguri (BTR).
466. ***Glyphocassis trilineata*** (Hope)  
*Distribution* : Darjiling (Lord Carmichael).
467. ***Laccoptera nr. discreta*** Bohemen  
*Distribution* : Jalpaiguri (BTR).
468. ***Laccoptera quadrimaculata***  
 (Thunberg)  
*Distribution* : South 24 Pgs. (Sonarpur), Kolkata (Horticulture Garden, Alipur), Darjiling (Pashok, Bijanbari, Kurseong, Kalimpong), Haora (Shibpur), Jalpaiguri (BTR) and Murshidabad.
469. ***Notosacantha maculipennis***  
 (Boheman)  
*Distribution* : Darjiling.
470. ***Notosacantha tenuicula*** (Spaeth)  
*Distribution* : Darjiling.
471. ***Oocassida cruenta*** (Fabricius)  
*Distribution* : Kolkata.
472. ***Oocassida obscura*** (Fabricius)  
*Distribution* : South 24 Pgs. (Chapra), Kolkata and Murshidabad.
473. ***Sindia clathrata*** (Fabricius)  
*Distribution* : Medinipur and Murshidabad (Baharampur).
474. ***Sindia sedecimaculata*** Boheman  
*Distribution* : Darjiling (Ghumti).
- Subfamily CHLASMISNAE
475. ***Chlamisus pashokensis*** Maulik  
*Distribution* : Darjiling.
- Subfamily CHRYSOMELINAE
476. ***Agasta formosa*** Hope  
*Distribution* : Darjiling (Kurseong, Ghumti, Pashok, Siliguri) and Jalpaiguri (BTR).
477. ***Agrosteomela indica*** (Hope)  
*Distribution* : Darjiling (Sureil, Kurseong, Pashok, Lava, Jorpokri).
478. ***Agrosteomela fallaciosa*** Stal  
*Distribution* : Darjiling (Kalimpong, Pashok, Darjiling, Kurseong).
479. ***Chrysolina baronii*** Daccordi  
*Distribution* : Darjiling.
480. ***Chrysolina coelestina*** (Baly)  
*Distribution* : Darjiling.
481. ***Chrysolina coerulipes*** (Harold)  
*Distribution* : Darjiling.
482. ***Chrysolina conglomerata*** Maulik  
*Distribution* : South 24 Pgs. (Diamond Harbour, Lakshikantapur) and Murshidabad.
483. ***Chrysolina exanthematica***  
 (Wiedemann)  
*Distribution* : Murshidabad.
484. ***Chrysolina inconstans*** (Wiedemann)  
*Distribution* : Jalpaiguri (Patranjuth).
485. ***Chrysolina vishnu*** (Hope)  
*Distribution* : Darjiling (Mangpu, Ghoom, Darjiling, Sureil, Kalimpong, Lebong), Murshidabad (Baharampur), Jalpaiguri (BTR).
486. ***Chrysomela populi*** Linnaeus  
*Distribution* : Darjiling.
487. ***Humba cyanicollis*** (Hope)  
*Distribution* : Darjiling (Kalimpong, Sureil, Kurseong).
488. ***Linnaeidea chlorina*** (Maulik)  
*Distribution* : Darjiling (Rambi).
489. ***Paropsides nigropunctata*** Jacoby  
*Distribution* : Darjiling.
490. ***Phaedon cheni*** Daccordi  
*Distribution* : Darjiling.



491. *Phaedon chujoi* Daccordi  
Distribution : Darjiling.
492. *Phaedon indicus* Chen  
Distribution : Darjiling.
493. *Phaedon thompsoni* Daccordi  
Distribution : Darjiling.
494. *Plagioderma rufescens* (Gyllenhal)  
Distribution : Maldah (Nalakhokson),  
Jalpaiguri (BTR).
495. *Potanina assamensis* (Baly)  
Distribution : Darjiling (Reyang,  
Ghoombhanjang, Manibhanjan, Takdah).  
Subfamily CLYTRINAE
496. *Aetheanta fasciata* Medvedev  
Distribution : Darjiling (Bijanbari).
497. *Aetheomorpha apicata* Medvedev  
Distribution : Darjiling.
498. *Aetheomorpha malayana* (Baly)  
Distribution : Darjiling (Kalimpong).
499. *Aetheomorpha pseudonagaensis*  
Medvedev  
Distribution : Darjiling.
500. *Aetheomorpha tonkinensis* (Jacoby)  
Distribution : Darjiling (Singla, Goke,  
Reyang).
501. *Aetheomorpha unifasciata* Jacoby  
Distribution : Not known.
502. *Aspidolopha egregia* (Boheman)  
Distribution : Jalpaiguri (Rajabhatkhawa).
503. *Aspidolopha spilota* (Hope)  
Distribution : Darjiling (Mangpu).
504. *Aspidolopha himalayensis* Medvdav  
Distribution : Darjiling.
505. *Aspidolopha melanophthalma*  
Lacordaire  
Distribution : Kolkata, Jalpaiguri (Hasimara),  
Medinipur (Kharagpur) and Murshidabad  
(Beldnga, Jiyaganj, Baharampur, Azimganj).
506. *Aspidolopha decora* (Fabricius)  
Distribution : Not known.
507. *Clytra indica* (Jacoby)  
Distribution : Darjiling.
508. *Clytra succincta* Lacordaire  
Distribution : Not known.
509. *Clytra lefevrei* Jacoby  
Distribution : Not known.
510. *Clytrasoma palliatum* (Fabricius)  
Distribution : Maldah.
511. *Diapromorpha dejeani* Lacordaire  
Distribution : Darjiling (Mangpu, Pashok,  
Kalimpong).
512. *Diapromorpha turcica* (Fabricius)  
Distribution : Birbhum (Palitpur).
513. *Diapromorpha pallens* (Fabricius)  
Distribution : Darjiling (Kalimpong, Teesta),  
Kolkata, Maldah, North 24 Pgs. (kakandighi,  
Subhashgram, Airport, Dutta pukur) and Hugli  
(Bandel, Chandan Nagar, Serampur, Choto  
Bally).
514. *Diapromorpha quadripunctata*  
Jacoby Var. *nalandensis* Weise  
Distribution : Jalpaiguri (BTR).
515. *Physosmaragdina tonkinensis*  
(Lefevre)  
Distribution : Darjiling (Kalimpong, Ryang,  
Rangpo, Rambhi bazar).
516. *Smaragdina divisa* (Duvivier)  
Distribution : Kolkata, Darjiling (Rangpo)  
and Maldah (Gangarampur).
517. *Smaragdina laticollis* (Duvivier)  
Distribution : Darjiling.
518. *Smaragdina minuta* Jacoby  
Distribution : Darjiling (Rangpo).
519. *Smaragdina sikkima* Jacoby  
Distribution : Darjiling.
- Subfamily CRIOCERINAE
520. *Lema assamensis* Jacoby  
Distribution : Darjiling and Jalpaiguri (BTR).
521. *Lema atkinsoni* Jacoby  
Distribution : Darjiling.

522. *Lema castanea* Jacoby  
Distribution : Kolkata.
523. *Lema constrictofasciate* Jacoby  
Distribution : Bankura (Hatirampur, Taldangra), Birbhum (Bolpur) and Darjiling (Mirik).
524. *Lema cormandelina* (Fabricius)  
Distribution : Bankura (Hatirampur), Kolkata (Eden Gardens, Dhapa), Darjiling (Tarkhola, Pashok, Darjiling), Haora (Shibpur, Belur), Hugli (Mankundu) and Jalpaiguri (Naxalbari).
525. *Lema cyanea* Fabricius  
Distribution : Darjiling (Darjiling, Rangpo, Bijanbari, Manibhanjang, Kurseong, Mahanadi).
526. *Lema fuvofrontalis* Jacoby  
Distribution : Darjiling (Lebong, Manibhanjang, Lepchajagat, Darjiling).
527. *Lema fulvula* Lacordaire  
Distribution : Not known.
528. *Lema fulvimana* Jacoby  
Distribution : Kokata (Horticulture Garden, Eden Gardens).
529. *Lema gahani* Jacoby  
Distribution : Darjiling (Singla, Andherikhola, Rangpo).
530. *Lema impotens* Lacordaire  
Distribution : Kolkata (Eden Gardens) and Darjiling (Goke).
531. *Lema indicola* Takizawa & Basu  
Distribution : Darjiling (Gorabari, Sonada).
532. *Lema lacertosa* Lacordaire  
Distribution : South 24 Pgs. (Sonarpur, Lakshmikantapur), Kolkata (Eden Gardens, Dhapa), Darjiling (Goke, Singla), Hugli (Tribeni) and Jalpaiguri (Khairabari, Naxalbari).
533. *Lema maindroni* Jacoby  
Distribution : Kolkata.
534. *Lema macei* Lacordaire  
Distribution : Not known.
535. *Lema nigricollis* Jacoby  
Distribution : Darjiling.
536. *Lema nigrofrontalis* Clark  
Distribution : Darjiling (Rangpo, Manibhanjang, Bijanbari, Mirik) and Jalpaiguri (BTR).
537. *Lema palpalis* Lacordaire  
Distribution : Darjiling (Kalimpong, Pashok), Jalpaiguri (BTR).
538. *Lema praeclara* Clark  
Distribution : Darjiling (Pashok, Singla).
539. *Lema psyche* Baly  
Distribution : Darjiling (Lepchajagat, Sonada, Mahanadi).
540. *Lema rufotestacea* Clark  
Distribution : Bankura (Bishnupur, Hatirampur), Kolkata, Darjiling (Goke, Singla, Rangiroom, Reyang, Garubathan, Rangpo, Bijanbari, Tarkhola), Haora (Sibpur) and Maldah (Bhaluk station).
541. *Lema rufofrontalis* Jacoby  
Distribution : Darjiling (Ghumti, Kurseong) and Kolkata.
542. *Lema rugifrons* Jacoby  
Distribution : Kolkata, Jalpaiguri (BTR).
543. *Lema singularis* Jacoby  
Distribution : Darjiling and Jalpaiguri (BTR).
544. *Lema suturella* Baly  
Distribution : Not known.
545. *Lilioceris impressa* (Fabricius)  
Distribution : Darjiling (Mangphu, Tarkhola).
546. *Lilioceris laosensis* (Pic)  
Distribution : Darjiling (Bijanbari).
547. *Lilioceris malabarica* (Jacoboy)  
Distribution : Jalpaiguri (Lankapara, Hasimara).
548. *Lilioceris nepalensis* Takizawa  
Distribution : Darjiling.
549. *Lilioceris qudrupustulata* (Fabricius)  
Distribution : Jalpaiguri (Jaldapara).
550. *Lilioceris semicostata* (Jacoboy)  
Distribution : Kolkata and Darjiling (Lebong).

551. *Liliocerus semipunctata* (Fabricius)  
*Distribution* : Darjiling (Manibhanjang, Reyang).

552. *Oulema downesi* Baly

*Distribution* : Bankura (Heraparbat, Radhanagar, Mukutmanipur), Barddhaman and Kolkata.

Subfamily EUMOLPINAЕ

553. *Acrothinium violaceum* Jacoby

*Distribution* : Jalpaiguri (BTR).

554. *Chrysolampra flavipes* Jacoby

*Distribution* : Jalpaiguri (BTR).

555. *Chrysolampra indica* Jacoby

*Distribution* : Jalpaiguri (BTR).

556. *Chrysolampra manipurensis*  
 Jacoby

*Distribution* : Jalpaiguri (BTR).

557. *Chrysolampra minuta* Jacoby

*Distribution* : Jalpaiguri (BTR).

558. *Colaspoides subrugosa* Jacoby

*Distribution* : Jalpaiguri (BTR).

559. *Colasposoma pretiosum* Baly

*Distribution* : Jalpaiguri (BTR).

560. *Corynodes peregrinus* Fuessly

*Distribution* : Jalpaiguri (BTR).

561. *Scelodonta indica* Duviv

*Distribution* : Jalpaiguri (BTR).

Subfamily CRYPTOCEPHALINAЕ

562. *Adiscus hauseri* (Weise)

*Distribution* : Darjiling.

563. *Coenobius birmanicus* Jacoby

*Distribution* : Darjiling.

564. *Coenobius cyaneus* Lopatin

*Distribution* : Darjiling.

565. *Cryptocephalus analis* Olivier

*Distribution* : Maldah (Harishchandrapur).

566. *Cryptocephalus baroniurbanii*  
 Lopatin

*Distribution* : Darjiling.

567. *Cryptocephalus bissexsignatus*  
 Suffrian

*Distribution* : Darjiling.

568. *Cryptocephalus darjilingensis*  
 Jacoby

*Distribution* : Darjiling (Lepchajagat, Darjiling).

569. *Cryptocephalus difficiens* Suffrian

*Distribution* : Darjiling (Kurseong).

570. *Cryptocephalus dimidiatipennis*  
 Jacoby

*Distribution* : Darjiling (Mirik).

571. *Cryptocephalus ensifer* Hope

*Distribution* : Darjiling.

572. *Cryptocephalus exsulans* Suffrian

*Distribution* : Darjiling (Sureil, Mangpu, Ghoom, Rangiroom, Lepchajagat, Manibhanjang, Jorpokhri).

573. *Cryptocephalus maytreiae* Lopatin

*Distribution* : Darjiling.

574. *Cryptocephalus nigronotatus*  
 Bryant

*Distribution* : Darjiling.

575. *Cryptocephalus oppositus* Jacoby

*Distribution* : Darjiling.

576. *Cryptocephalus sannio*  
 Redtenbacher

*Distribution* : Darjiling.

577. *Cryptocephalus sehestedti*  
 Fabricius

*Distribution* : South 24 Pgs. (Basanti), Birbhum (Sainthia, Bagmara, Nalhati), Kolkata, Hugli (Bandel) and Murshidabad (Baharampur).

578. *Cryptocephalus senguptai* Lopatin

*Distribution* : Darjiling.

579. *Cryptocephalus sexsignatus*  
 Fabricius

*Distribution* : Kolkata and Medinipur (Kharagpur).

580. *Cryptocephalus sikhimensis*  
 Jacoby

*Distribution* : Darjiling (Darjiling).

581. ***Cryptocephalus suavis*** Duvivier  
Distribution : Darjiling.
582. ***Cryptocephalus triangularis*** Hope  
Distribution : Darjiling.
583. ***Cryptocephalus tricinctus***  
Redtenbacher  
Distribution : Darjiling (Kurseong).
584. ***Cryptocephalus vittipennis***  
Suffrian  
Distribution : Hugli ( Dankuni) and Maldah (Nimbari).
585. ***Cryptocephalus crucipennis***  
Suffrian  
Distribution : Not known.
586. ***Cryptocephalus insubidus***  
Suffrian  
Distribution : Not known.
587. ***Cryptocephalus vahli*** Fabricius  
Distribution : Birbhum (Sainthia).
588. ***Cryptocephalus hersti*** Suffrian  
Distribution : Not known.  
Subfamily DONACINAE
589. ***Donacia recticollis*** Jacoby  
Distribution : Kolkata.
590. ***Donacia delesserti*** Guerin  
Distribution : Kolkata (Eden Gardens).
591. ***Donacia javana*** Wiedemann  
Distribution : Kolkata (Eden Gardens).  
Subfamily EUMOLPINAE
592. ***Abirus elongatus*** Jacoby  
Distribution : Darjiling.
593. ***Aloria caerulea*** (Jacoby)  
Distribution : Darjiling (Ghoombhanjang, Rangpo, Bijanbari, Rangiroom, Jorpokri, Darjiling).
594. ***Aoria bowringi*** (Baly)  
Distribution : Darjiling (Mangphu, Pashok).
595. ***Aoria nigripes*** (Baly)  
Distribution : Darjiling.
596. ***Aulexis tibialis*** Jacoby  
Distribution : Darjiling.
597. ***Basilepta kumatai*** Kimoto & Takizawa  
Distribution : Darjiling.
598. ***Basilepta angulicolle*** (Duvivier)  
Distribution : Darjiling.
599. ***Basilepta fabrei*** (Lefevre)  
Distribution : Darjiling.
600. ***Basilepta femoratum*** (Jacoby)  
Distribution : Darjiling.
601. ***Basilepta indicum*** (Jacoby)  
Distribution : Darjiling (Kurseong).
602. ***Basilepta obscurum*** (Jacoby)  
Distribution : Darjiling (Rangiroom, Darjiling).
603. ***Basilepta plagiosum*** Baly  
Distribution : Darjiling (Reang).
604. ***Basilepta pretiosum*** (Jacoby)  
Distribution : Darjiling (Sonada).
605. ***Basilepta puncticollis*** (Lefevre)  
Distribution : Darjiling (Reyang).
606. ***Basilepta quadrifasciatum***  
(Jacoby)  
Distribution : Darjiling (Bijanbari, Rangiroom, Jorpokhri).
607. ***Basilepta sikhimensis*** (Jacoby)  
Distribution : Darjiling (Kurseong).
608. ***Basilepta variabile*** (Duvivier)  
Distribution : Darjiling.
609. ***Bromiodes indicus*** Jacoby  
Distribution : Darjiling.
610. ***Callisina brunnea*** Jacoby  
Distribution : Darjiling.
611. ***Chrysonopa apicalis*** Takizawa  
Distribution : Darjiling.
612. ***Cleorina aeneomicans*** (Baly)  
Distribution : Darjiling.
613. ***Cleorina assamensis*** Jacoby  
Distribution : Kolkata and Darjiling (Kurseong).
614. ***Cleorina bevani*** Baly  
Distribution : Darjiling.
615. ***Cleorina jacobyi*** Duvivier  
Distribution : Darjiling.

616. *Cleorina nepalensis* Takizawa  
Distribution : Darjiling (Rangiroom).
617. *Colaspoides bengalensis* Duvivier  
Distribution : Darjiling.
618. *Colaspoides sublavicollis* Duvivier  
Distribution : Darjiling.
619. *Colaspoides subrugosa* Jacoby  
Distribution : Darjiling (Kurseong, Darjiling, Lebong, Ghoom).
620. *Colasposoma asperatum* Lefevre  
Distribution : Darjiling (Singla).
621. *Colasposoma auripenne*  
Motschulsky  
Distribution : Darjiling (Singla).
622. *Colasposoma bicallosum* Lefevre  
Distribution : Not known.
623. *Colasposoma downesi* Baly  
Distribution : Darjiling (Kalimpong, Pashok, Goke, Bijanbari).
624. *Colasposoma metallicum* Clark  
Distribution : Darjiling (Bijanbari, Jorpokri).
625. *Colasposoma nigriventris* Baly.  
Distribution : Not known.
626. *Colasposoma ornatum* Jacoby  
Distribution : Maldah.
627. *Colasposoma pretiosum* Baly  
Distribution : Darjiling (Pashok) and Jalpaiguri (BTR).
628. *Colasposoma rufipes* Jacoby  
Distribution : Darjiling (Pashok).
629. *Colasposoma semicostatum* Jacoby  
Distribution : Darjiling.
630. *Colasposoma serratulum* Lefevre  
Distribution : Not known.
631. *Colasposoma subrugosa*  
Distribution : Jalpaiguri (BTR).
632. *Eurypelta modesta* (Fabricius)  
Distribution : Kolkata.
633. *Heminodes unicolor* (Duvivier)  
Distribution : Darjiling.
634. *Nodina indica* Jacoby  
Distribution : Darjiling (Pashok).
635. *Nodina nepalensis* Takizawa  
Distribution : Darjiling.
636. *Nodina pusilla* Motschulsky  
Distribution : Darjiling.
637. *Pachnephorus lewisii* Baly  
Distribution : North 24 Pgs. (Barasat), South 24 Pgs. (Canning), Kolkata (Eden Gardens), Darjiling (Sukna), Jalpaiguri (Tufanganj) and Koch Bihar (Balabhat).
638. *Pagria kanaraensis* (Jacoby)  
Distribution : Kolkata.
639. *Pagria signata* (Motschulsky)  
Distribution : Kolkata and Darjiling (Andherikhla).
640. *Platycorynus chalybaeus*  
(Marshall)  
Distribution : Kolkata.
641. *Platycorynus chrysis* Olivier  
Distribution : Barddhaman (Raniganj) and Kolkata.
642. *Platycorynus gratiosus* Baly  
Distribution : Barddhaman (Raniganj).
643. *Platycorynus impressicollis*  
(Jacoby)  
Distribution : Darjiling.
644. *Platycorynus lateralis* (Hope)  
Distribution : Darjiling.
645. *Platycorynus mouhoti* (Baly)  
Distribution : Darjiling.
646. *Platycorynus nitidus* (Fabricius)  
Distribution : Barddhaman (Raniganj) and Kolkata.
647. *Platycorynus peregrinus* (Herbst)  
Distribution : South 24 Pgs. (Garia, Sonarpur, Banipur, Dattapukur), Barddhaman (Raniganj, Durgapur), Kolkata (Horticulture Garden), Darjiling (Sukna), Haora (Mourigram, Panchpara) and Hugli (Bandel, Uttarpara, Chandannagar).

648. ***Platycorynus pyrophorus*** (Parry)  
Distribution : Darjiling (Singla, Pashok, Darjiling).
649. ***Platycorynus speciosus*** (Lefevre)  
Distribution : Darjiling (Lebong).
650. ***Pseudostonopa castanea*** Jacoby  
Distribution : Darjiling.
651. ***Pseudostonopa picea*** Jacoby  
Distribution : Darjiling (Rangpo, Kalimpong, Teesta bazar).
652. ***Scelodonta dillwyni*** (Stephens)  
Distribution : Kolkata.
653. ***Scelodonta indica*** Duvivier  
Distribution : Kolkata, Darjiling (Singla) and Medinipur (Kharagpur).
654. ***Scelodonta purpurea*** Papp.  
Distribution : Not known.
655. ***Scelodonta vittata*** Olivier  
Distribution : Maldah.
656. ***Trichochrysea antennata*** Jacoby  
Distribution : Darjiling.
657. ***Trichochrysea hirta*** (Fabricius)  
Distribution : Darjiling (Rangpo, Singla).
658. ***Trichotheca basifemorata*** Duvivier  
Distribution : Darjiling.
659. ***Trichotheca hirta*** Baly  
Distribution : Darjiling.
660. ***Trichotheca sikkimensis*** Takizawa  
Distribution : Darjiling.
661. ***Xanthonia oblonga***  
Tankizawa & Basu  
Distribution : Darjiling (Darjiling Botanical Garden).  
Subfamily GALERUCINAE
662. ***Agetocera hopei*** Baly  
Distribution : Darjiling (Kurseong, Lebong, Kalimpong, Burch Hill, Pedong).
663. ***Agetocera lobicornis*** Baly  
Distribution : Darjiling (Kurseong).
664. ***Agetocera mirabilis*** (Hope)  
Distribution : Darjiling (Ranigroom, Barch Hill).
665. ***Aplosonyx chalybaeus*** (Hope)  
Distribution : Darjiling (Pashok, Ghumti, Kalimpong, Darjiling, Kurseong, Teesta, Mirik, Sonada).
666. ***Aplosonyx duvivieri*** Jacoby  
Distribution : Darjiling (Lebong) and Jalpaiguri (Buxa Duar).
667. ***Aplosonyx rufipennis*** Duvivier  
Distribution : Darjiling.
668. ***Aplosonyx scutellatus*** Baly  
Distribution : Darjiling (Kurseong, Kalimpong, Lebong) and Jalpaiguri (Buxa duar).
669. ***Apophylia assamensis*** Jacoby  
Distribution : Darjiling (Kurseong, Kalimpong), Haora (Sibpur) and Jalpaiguri (Kharibari).
670. ***Apophylia crotchi*** (Jacoby)  
Distribution : Not known.
671. ***Apophylia lebongana*** Maulik  
Distribution : Darjiling (Gorabari, Sonada, Tindharia, Tibetan Nayabasti, Lepchajagat, Rangiroom).
672. ***Apophylia pallipes*** (Jacoby)  
Distribution : Darjiling (Kurseong).
673. ***Apophylia sericea*** (Fabricius)  
Distribution : Darjiling (Manibhanjang) and Medinipur (Kharagpur).
674. ***Apophylia viridis*** Jacoby  
Distribution : Darjiling (Rangpo).
675. ***Arthrotidea nepalensis*** (Kimoto)  
Distribution : Darjiling.
676. ***Arthrotidea rubrica*** Chen & Jiang  
Distribution : Darjiling (Botanical Garden, Ghoombhanjang, Lepchajagat, Manibhanjang, Tibetan Nayabasti).
677. ***Arthrotus pallidus*** Laboissiere  
Distribution : Darjiling.
678. ***Arthrotus persimilis*** Kimoto  
Distribution : Darjiling.
679. ***Atrachya kusamai*** Takizawa  
Distribution : Darjiling.
680. ***Aulacophora impressa*** (Fabricius).  
Distribution : Kolkata (Eden Gardens).

681. *Aulacophora almora* Maulik  
*Distribution* : Darjiling (Ghoombhanjang, Singhlha, Reyang, Rangpo, Tarkhola, Sukiapokhri).
682. *Aulacophora bicolor* (Weber) Baly  
*Distribution* : Darjiling (Pashok, Singla, Tarkhola), Jalpaiguri (BTR).
683. *Aulacophora cincta* (Fabricius)  
*Distribution* : Kolkata.
684. *Aulacophora cruneta* (Fabricius)  
*Distribution* : Darjiling (Sukna).
685. *Aulacophora excavata* Baly  
*Distribution* : South 24 Pgs. (Bishnupur) and Jalpaiguri (BTR).
686. *Aulacophora foveicollis* (Lucas)  
*Distribution* : North 24 Pgs. (Falta, Khardah, Titagarh, Birati, Barasat, Bongaon, Kamalgachi), South 24 Pgs. (Dighara, Canning, Sonarpur, Santoshpur, Lakshikantapur, Baruipur), Birbhum (Illambazar, Tilpara, Nalhati), Kolkata (Dhapa, Eden Gardens, Bagmari, Alipur), Darjiling (Rangpo, Tung, Rangtang, Siliguri, Mangpu, Rangpo, Singla, Bijanbari), Haora (Sibpur, Belur, Chunabhati, Andul, Santragachi, Maheshpur, Bagnan), Hugli (Pandooah, Chandannagar, Tribeni, Bally), Jalpaiguri (Rydak, Falakata, Rajabhatkhawa, Khairbari), Koch Bihar (Mathabhanga), Maldah (Pakhahat, Bamangola, Parbatidanga, Bhaluk station, Nalakhokson), Medinipur (Digha, Palsandapur), Murshidabad (Bama Bildangi, Baharampur, Bakri, Jangipur, Jiyaganj) and Nadia (Ranghat).
687. *Aulacophora frontalis* Baly  
*Distribution* : Murshidabad (Moregram, Phulbari, Baharampur).
688. *Aulacophora gestroi* Jacoby  
*Distribution* : Koch Bihar (Jorai).
689. *Aulacophora indica* (Gmelin)  
*Distribution* : Darjiling.
690. *Aulacophora lewisii* Baly  
*Distribution* : North 24 Pgs. (Kankinara, Kamalgachi), South 24 Pgs. (Subhashgram, Kotalia, Dattapukur, Lakshmikantapur, Baruipur). Kolkata (Dhapa, Eden Gardens, Saltlake, Jadavpur), Darjiling (Siliguri, Chunabati, Goke, Rangpo, Mangsong, Tibetan Nayabasti), Haora (Bagnan, Nantia), Hugli (Bally, Bandel, Nalikal), Jalpaiguri (Falakata), Maldah (Tulsi Hata) and Murshidabad (Kadampur, Jiyaganj, Bama Bildanje, Baharampur, Jangipur).
691. *Aulacophora nilgiriensis* Jacoby  
*Distribution* : Kolkata.
692. *Calmicrus flavovittis* Motschulsky  
*Distribution* : Kolkata.
693. *Cerophysa darjilingensis*  
 Takizawa & Basu  
*Distribution* : Darjiling (Singla).
694. *Cneorane braeti* Duvivier  
*Distribution* : Darjiling (Pashok, Kalimpong).
695. *Cneorane orientalis* Jacoby  
*Distribution* : Darjiling.
696. *Cneorane rubicollis* (Hope)  
*Distribution* : Darjiling (Kalimpong).
697. *Cneorane rugullipennis* Baly  
*Distribution* : Darjiling (Darjiling, Mangpu).
698. *Cneorane tibialis* Chujo.  
*Distribution* : Darjiling (Jhepi, Sonada, Tibetan Nayabasti, Ghoombhanjang, Hima falls, Meghma).
699. *Cneorane varipes* Jacoby  
*Distribution* : Darjiling.
700. *Dercetina viridicyanea* Kimoto  
*Distribution* : Darjiling.
701. *Dercetina flavocincta* (Hope)  
*Distribution* : Darjiling (Kurseong, Sonada, Tibetan Nayabasti, Jorpokri, Darjiling, Manibhanjang) and Jalpaiguri (Buxa Duar, Alipurduar).
702. *Dercetina hainana* Gressitt & Kimoto  
*Distribution* : Darjiling (Lava).
703. *Dercetina histrio* (Baly)  
*Distribution* : Darjiling (Siliguri), Jalpaiguri (Rangtong, Bijanbari, Panihati, Fansidewa,

Sobhaganj, Alipurduar) and Koch Bihar (Baxirhat, Mathabanga, Jorai).

704. *Dercetina major* Kimoto

*Distribution* : Darjiling (Rangpo, Reyang, Singla, Andherikhola, Rangpo, Barabatibusti, Tarkhola).

705. *Dercetina mandarensis* (Jacoby)

*Distribution* : Darjiling (Lava, Darjiling, Rangiroom, Manibhanjang, Sonada, Darjiling) and Jalpaiguri (Alipurduar).

706. *Dercetina Miniaticollis* (Hope)

*Distribution* : Darjiling.

707. *Dercetina posticata* (Baly)

*Distribution* : Darjiling.

708. *Dercetisoma concolor* (Jacoby)

*Distribution* : Darjiling.

709. *Doryida mouhoti* Baly

*Distribution* : Darjiling.

710. *Doryscus testaceus* Jacoby

*Distribution* : Darjiling.

711. *Galerucella placida* Baly

*Distribution* : South 24 Pgs. (Barasat, Dattapukur), Barddhaman (Rangapalpur), Kolkata (Bansdrone), Darjiling (Mirik), Haora (Santragachi), Hugli (Punduah) Jalpaiguri (BTR).

712. *Gallerucida indica* Harold

*Distribution* : Darjiling.

713. *Gallerucida nigricornis* Laboissiere

*Distribution* : Darjiling (Rangiroom).

714. *Gallerucida singularis* Harold

*Distribution* : Darjiling.

715. *Haplosomoides egena* Weise

*Distribution* : Darjiling.

716. *Haplosomoides Krishila* (Maulik)

*Distribution* : Darjiling (Singla, Goke, Bijanbari, Rangpo, Darjiling, Lolegaon, Kalimpong, Rangtong).

717. *Haplosomoides krishna* (Maulik)

*Distribution* : Darjiling (Singla).

718. *Haplosomoides nirada* (Maulik)

*Distribution* : Jalpaiguri.

719. *Hoplasoma carinata* Kimoto

*Distribution* : Darjiling.

720. *Hoplasoma costatipennis* Jacoby

*Distribution* : Darjiling.

721. *Hoplasoma ceylonensis* (Jacoby)

*Distribution* : Jalpaiguri (BTR).

722. *Hoplasoma sexmaculata* (Hope)

*Distribution* : Darjiling (Pasuptinagar, Lepchajagat, Sonada).

723. *Hoplasoma unicolor* (Illiger)

*Distribution* : North 24 Pgs. (Dighara, Barrackpore, Dum Dum), South 24 Pgs. (Subhasgram, Lakshikantapur, Santoshpur, Budge Budge), Kolkata, Darjiling (Pashok, Sukna, Kalimpong), Haora (Mourigram, Serampur, Sibpur, Panchpara, Santragachi, Andul, Chunabhati), Hugli (Bandel, Chandannagar, Mankundu, Uttarpara, Chinchura), Jalpaiguri (Jaldapara WLS, Hasimara, Rajabhatkhawa), Koch Bihar (Mathabhanga), Maldah (Bamangola, Gangarampur, Bhaluk station, Nalakhokson, Alal), Medinipur (Kharagpur, Digha), Murshidabad (Baharampur, Bhakri), Nadia (Kalyani), Puruliya (Ajodhya Hills) and Jalpaiguri (BTR).

724. *Hylaspes longicornis* Baly

*Distribution* : Darjiling (Pashok, Kurseong).

725. *Kanarella unicolor* Jacoby

*Distribution* : Darjiling.

726. *Khasia kraatzi* Jacoby

*Distribution* : Darjiling (Kurseong, Lopchu, Darjiling, Takdah).

727. *Leptarthra abdominalis* Baly

*Distribution* : Darjiling (Sukia pokhri, Ghoombhanjang, Mahanadi, Tibetan Nayabasti, Rangiroom).

728. *Liroetis clermonti* (Laboissiere)

*Distribution* : Jalpaiguri (BTR).

729. *Liroetis flavipennis* Bryant

*Distribution* : Darjiling (Sonada, Rangiroom).

730. *Liroetis nepalensis* Chujo

*Distribution* : Darjiling.



731. *Lochmaea maculata* Kimoto  
Distribution : Darjiling.
732. *Macrima armata* Baly  
Distribution : Darjiling (Kurseong).
733. *Macrima pallida* (Laboissiere)  
Distribution : Darjiling.
734. *Macrima aurantica* (Laboissiere)  
Distribution : Not known.
735. *Madurasia obscurella* Jacoby  
Distribution : Kolkata (Cossipore) and Murshidabad (Baharampur).
736. *Mandarella naggpurensis* Duvivier  
Distribution : Darjiling.
737. *Medythia nigrobilineata* (Motschulsky)  
Distribution : North 24 Pgs. (Barrackpore), South 24 Pgs. (Canning), Haora (Bot. garden), Hugli (Bhadreswar), Jalpaiguri (Rajabhatkhawa) and Nadia (Mohanpur).
738. *Meristata dohrni* Baly  
Distribution : Darjiling (Teesta Bazar, Tiger Hill, Sukiapokri, Rangiroom, Manibhanjang).
739. *Meristata fallax* (Harold)  
Distribution : Darjiling ( Kalimpong, Pashok, Kurseong, Mangpu, Tiger Hill, Lebong, Tibetan).
740. *Meristata quadrifasciata* (Hope)  
Distribution : Darjiling, Jalpaiguri (BTR).
741. *Meristata sexmaculata* (Kollar & Redtenbacher)  
Distribution : Darjiling (Sonada, Tindharia, Tibetan Nayabasti, Lepchajagat, Ranigroom, Kurseong).
742. *Meristata spilota* (Hope)  
Distribution : Darjiling.
743. *Meristata trifasciata* (Hope)  
Distribution : Darjiling (Palmajua, Darjiling, Tiger Hills, Tibetan Nayabasti, Manibhanjang).
744. *Miltina dilatata* Chapuis  
Distribution : Darjiling (Mangpu, Lebong) and Jalpaiguri (Buxa Duar).
745. *Mimastra arcuata* Baly  
Distribution : Darjiling ( Pashok, Mangpu, Sonada, Rangiroom).
746. *Mimastra cyanura* (Hope)  
Distribution : Kolkata (Behala).
747. *Mimastra gracilis* Baly  
Distribution : Darjiling (Pasupatinagar, Ghoombhanjang, Lepchajagat, Darjiling).
748. *Mimastra nitida* Maulik  
Distribution : Darjiling (Mahanadi, Pashok, Kurseong).
749. *Mimastra quadripartite* Baly  
Distribution : Darjiling (Tibetan Nayabasti, Rangiroom, Lava).
750. *Mimastra scutellata* (Jacoby)  
Distribution : Jalpaiguri (BTR).
751. *Monolepta bengalensis* Basu  
Distribution : North 24 Pgs. (Kamalgachi).
752. *Monolepta bifasciata* (Hornstedt)  
Distribution : South 24 Pgs. (Sonarpur) and Birbhum (Kashipur).
753. *Monolepta birmanensis* Jacoby  
Distribution : Darjiling.
754. *Monolepta braeti* (Duvivier)  
Distribution : Darjiling.
755. *Monolepta conformis* Weise  
Distribution : Darjiling.
756. *Monolepta erythrocephala* (Baly)  
Distribution : Darjiling.
757. *Monolepta feae*  
Distribution : Jalpaiguri (BTR).
758. *Monolepta himalayaensis* Kimoto  
Distribution : Darjiling.
759. *Monolepta labiata*  
Distribution : Jalpaiguri (BTR).
760. *Monolepta leechi* Jacoby  
Distribution : Darjiling.
761. *Monolepta limbata* (Olivier)  
Distribution : South 24 Pgs. (Nilgange, Budge Budge, Dighara), Haora (Nantia), Hugli (Chinchura) and Murshidabad (Jiaganj, Moregram).

762. *Monolepta lunata* Gressitt & Kimoto

*Distribution* : Jalpaiguri (Binaguri) and Koch Bihar (Mathabanga, Jorai, Baxirhat).

763. *Monolepta madrasensis* Wilcox

*Distribution* : Birbhum (Kashipur, Birchandrapur), Kolkata (Eden Gardens) and Haora (Botanical Garden).

764. *Monolepta nigripes* (Olivier)

*Distribution* : Darjiling (Reyang), Haora (Sibpur) and Jalpaiguri (Buxa Duar).

765. *Monolepta orientalis* Jacoby

*Distribution* : North 24 Pgs. (Palta), Jalpaiguri (BTR).

766. *Monolepta pahari* Basu

*Distribution* : Darjiling (Rngiroom, Lepchajagat, Lebong, Mirik).

767. *Monolepta signata* (Olivier)

*Distribution* : North 24 Pgs. (Titagarh, Sodepur, Dum Dum), South 24 Pgs. (Dattapukur), Birbhum, Kolkata (Eden Gardens, Tollygunge), Darjiling (Lepchajagat, Kalimpong, Siliguri, Rakyong, Pedong, Rangpo, Reyang, Rambh), Haora (Sibpur, Belur), Hugli (Bally), Jalpaiguri (Panihti, Fansidewa, Joyga, Teest River, Raniaguri, Khairbari, Sonapur), Koch Bihar (Baxirhat, Belabhat, Mathabhanga, Jorai), Medinipur (Digha), Murshidabad (Baharampur, Jiyaganj, Beldanga, Jiyaganj, Bama Bildanje, Baharampur) and Jalpaiguri (BTR).

768. *Monolepta stramina* (Harold)

*Distribution* : Jalpaiguri (BTR).

769. *Monolepta tuai* Basu

*Distribution* : Darjiling (Sonada, Reyang).

770. *Monolepta tumpai* Basu

*Distribution* : Darjiling ( Sonada, Reyang).

771. *Morphosphaera japonica*  
(Hornstedt)

*Distribution* : Darjiling (Mangpu, Sureil).

772. *Morphosphaera montivaga* Maulik

*Distribution* : Darjiling.

773. *Morphosphaera prava* Maulik

*Distribution* : Darjiling (Pashok).

774. *Oides andrewesi* Jacoby

*Distribution* : Kolkata, Haora (Chunabhati), Maldah (Gangarampur, Harishchandrapur) and Nadia (Ranaghat).

775. *Oides bipunctata*

*Distribution* : Jalpaiguri (BTR).

776. *Oides bengalensis* Maulik

*Distribution* : Not known.

777. *Oides coccinelloides* Maulik

*Distribution* : Darjiling (Lava).

778. *Oides flava* (Olivier)

*Distribution* : South 24 Pgs. (Bongaon), Kolkata and Nadia (Ranghat).

779. *Oides livida* (Fabricius)

*Distribution* : Darjiling (Kalimpong, Pashok).

780. *Oides maculata* (Olivier)

*Distribution* : Darjiling (Pashok).

781. *Oides semipunctata* Duvivier

*Distribution* : Darjiling.

782. *Paleosepharia costata* Takizawa &  
Basu

*Distribution* : Darjiling (Rangpo).

783. *Palpoxena* sp.

*Distribution* : Haora (Sibpur).

784. *Paridea approximata* Duvivier

*Distribution* : Darjiling.

785. *Paridea livida* Duvivier

*Distribution* : Darjiling.

786. *Paridea octomaculata* (Baly)

*Distribution* : Darjiling (Mangpu, Bijanbari, Kalimpong).

787. *Paridea perplexa* (Baly)

*Distribution* : Darjiling (Kalimpong, Chaikholah) and Jalpaiguri (Buxa Duars).

788. *Paridea ruficollis* Jacoby

*Distribution* : Darjiling (Pashok, Lava, Darjiling).

789. *Paridea unifasciata* Jacoby

*Distribution* : Darjiling (Sonada, Darjiling).

790. *Periclitena cyanea* Clark

*Distribution* : Kolkata.

791. *Periclitena vigorsi* (Hope)  
Distribution : Kolkata, Darjiling (Singla, Bijanbari, Lolegaon) and Jalpaiguri (BTR).
792. *Phyllobrotica komiyai* Takizawa  
Distribution : Darjiling.
793. *Pseudadimonia debria* Maulik  
Distribution : Darjiling.
794. *Pseudadimonia variolosa* (Hope)  
Distribution : Darjiling (Ghumti, Lebong, Pashok, Darjiling).
795. *Pseudocophora bicolor* Jacoby  
Distribution : Murshidabad (Jangipur).
796. *Pseudocophora flaveola* Baly  
Distribution : Darjiling (Singla) and Jalpaiguri (Falakata).
797. *Pseudocophora pectoralis* Baly  
Distribution : Darjiling (Monsong, Rangpo).
798. *Pseudoides bivittata* Jacoby  
Distribution : Kolkata.
799. *Pyrrhalta darjilingensis* Kimoto  
Distribution : Darjiling.
800. *Sastra indicus* (Jacoby)  
Distribution : Darjiling.
801. *Sphenoraia (Sphenoraiodes) bicolor* (Hope)  
Distribution : North 24 Pgs. (Dum Dum) and Haora (Sibpur).
802. *Sphenoraia (Sphenoraiodes) rutilans* (Hope)  
Distribution : Darjiling (Pashok, Kalimpong, Darjiling) and Jalpaiguri.
803. *Spitiella collaris* Baly  
Distribution : Darjiling (Ghoombhanjang, Ragiroom, Tiger Hill).
804. *Stenoluperus bhutanensis*  
Motschulsky  
Distribution : Darjiling.
805. *Stenoluperus darjilingensis*  
Takizawa  
Distribution : Darjiling.
806. *Stenoluperus punctatus* Takizawa  
Distribution : Darjiling.
807. *Stenoluperus smetanai* Takizawa  
Distribution : Darjiling.
808. *Stethidea balyi* (Duviol)  
Distribution : Darjiling (Mangphu).
809. *Strobiderus fulvus* (Kimoto)  
Distribution : Jalpaiguri (BTR).
810. *Sumatrasia unicolor* Jacoby  
Distribution : Darjiling (Tung, Rangton).
811. *Taphinellia bengalensis* (Jacoby)  
Distribution : Jalpaiguri (BTR).
812. *Trichobalya apicalis* Kimoto  
Distribution : Darjiling (Barbati Basti).
813. *Trichobalya bowringi* (Baly)  
Distribution : Darjiling (Singla, Rangpo, Rambi, Mansong).
814. *Trichobalya viridipennis* Kimoto  
Distribution : Darjiling.
- Subfamily LAMPROSOMATINAE
815. *Oomorphoides nepalensis* Takizawa  
Distribution : Darjiling (Gorabari, Sonada).
816. *Oomorphoides sakaii* Takizawa  
Distribution : Darjiling.
- Subfamily MEGALOPODINAE
817. *Colabaspis speciosus* Baly  
Distribution : Darjiling.
818. *Temnaspis bengalensis* Westwood  
Distribution : Not known.
- Subfamily ZEUGOPHORINAE
819. *Zeugophora longicornis* Westwood  
Distribution : Darjiling.
820. *Zeugophora palidicincta* Gressitt  
Distribution : Darjiling.
- Family CERAMBYCIDAE
821. *Aegosoma bowringi* Gahan  
Distribution : Jalpaiguri (BTR).
822. *Anubis inermis* White  
Distribution : Jalpaiguri (BTR).
823. *Ceresium leucosticticum* White  
Distribution : Jalpaiguri (BTR).
824. *Ceresium rufum* White  
Distribution : Jalpaiguri (BTR).

825. *Hoplocerambyx spinicornis*  
Newman  
Distribution : Jalpaiguri (BTR).
826. *Macrotoma spinosa* Fab.  
Distribution : Jalpaiguri (BTR).
827. *Stromatium barbatum* Fab.  
Distribution : Jalpaiguri (BTR).
828. *Eoporis (Eoporimimus)? differens*  
Pic  
Distribution : Jalpaiguri (BTR).
829. *Eryssamena (Cristeryssamena)?  
Cristipennis* Breuning.  
Distribution : Jalpaiguri (BTR).
830. *Eucomatocera vittata* White  
Distribution : Jaldapara (BTR).
831. *Tetraglenes flavovittatus* Breuning  
Distribution : Jaldapara (BTR).
832. *Acalolepta griseipennis* (Thomson)  
Distribution : Jaldapara (BTR).
833. *Anoplophora (Anoplophora)  
Versteeque* (Ritsema)  
Distribution : Jaldapara (BTR).
834. *Epepeotes uncinatus salvazai* Pic  
Distribution : Jaldapara (BTR).
835. *Macrochenus querinii* White  
Distribution : Jaldapara (BTR).
836. *Paraleprodera insidiosa* (Pascoe)  
Distribution : Jaldapara (BTR).
837. *Pharsalia (Pharsalia) pulchra*  
Gahan  
Distribution : Jaldapara (BTR).
838. *Parosidis* nr. *transversevittata*  
Breuning  
Distribution : Jaldapara (BTR).
839. *Setoropica laosensis* Breuning  
Distribution : Jaldapara (BTR).
840. *Apriona cinerea* Gahan  
Distribution : Jaldapara (BTR).
841. *Batocera rufomaculata* White  
Distribution : Jaldapara (BTR).
842. *Diactrecera wallichi wallichi* Hope  
Distribution : Jaldapara (BTR).
843. *Macrocamptus virgatus* (Gahan)  
Distribution : Jaldapara (BTR).
844. *Olenecamptus? anogeissi* White  
Distribution : Jaldapara (BTR).
845. *Olenecamptus bilobus bilobus*  
(Fab.)  
Distribution : Jaldapara (BTR).
846. *Glenea (Accolona) astathiformis*  
Breuning  
Distribution : Jaldapara (BTR).
847. *Glenea (Aridoglenea) sp.*  
Distribution : Jaldapara (BTR).
848. *Glenea (Glenea) notata* Gahan  
Distribution : Jaldapara (BTR).
849. *Glenea (stiroglenea) amanica*  
Breuning  
Distribution : Jaldapara (BTR).
850. *Nupserha* sp.  
Distribution : Jaldapara (BTR).
851. *Oberea* nr. *modica* White  
Distribution : Jaldapara (BTR).
852. *Oberea yunnanensis* Breuning  
Distribution : Jaldapara (BTR).
853. *Stibara* (Stibara) *tetraspilota* Hope  
Distribution : Jaldapara (BTR).
854. *Tetraommatus filiformis* Perroud  
Distribution : Jalpaiguri (BTR).
855. *Thranlus simplex* Fab.  
Distribution : Jalpaiguri (BTR).
856. *Xoanodera regularis* Gahan  
Distribution : Jalpaiguri (BTR).
857. *Xylotrechus smeii* Lap. & Gory  
Distribution : Jalpaiguri (BTR).
858. *Xystrocera globosa* Oliv.  
Distribution : Jalpaiguri (BTR).
- Superfamily HYDROPHILOIDEA  
Family HYDROPHILIDAE  
Subfamily HYDRAENINAE
859. *Hydraena tenjikuana* Sato  
Distribution : Kolkata (Indian Museum tank,  
Eden Gardens) and Hugli (Pandoah).

860. *Hydraena wittmeri* Sato  
Distribution : Darjiling.  
Subfamily HYDROCHINAE
861. *Hydrochus binodosus* Motschulsky  
Distribution : Kolkata (Indian Museum tank) and Hugli (Pundooah).  
Subfamily SPERCHEININAE
862. *Spercheus gibbus* Champion  
Distribution : North 24 Pgs. (Dum Dum) and Kolkata (Eden Gardens).  
Subfamily HYDROPHILINAE
863. *Amphiops pedestris* Sharp  
Distribution : Kolkata.
864. *Amphiops simplex* Sharp  
Distribution : Kolkata.
865. *Berosus fairmairei* Zaitzev  
Distribution : Kolkata.
866. *Berosus indicus* Motschulsky  
Distribution : Kolkata and Murshidabad (Baharampur).
867. *Berosus pulchellus* M'Leay  
Distribution : Barddhaman (Asansol), Kolkata and Darjiling (Siliguri).
868. *Crenetis orientalis* Sato  
Distribution : Darjiling.
869. *Enochrus esuriens* (Walker)  
Distribution : South 24 Pgs. (Port Canning)
870. *Enochrus rubrocinctus* (Regimbert)  
Distribution : Kolkata.
871. *Globaria leachi* Hope  
Distribution : Kolkata.
872. *Helochares anchoralis* Sharp  
Distribution : Kolkata.
873. *Helochares crenatus* Regimbert  
Distribution : Darjiling (Siliguri).
874. *Helochares lentus* Sharp  
Distribution : North 24 Pgs. (Barrackpur) and Puruliya (Manbhum).
875. *Helochares pallens* (Macleay)  
Distribution : Kolkata and Murshidabad (Baharampur).
876. *Hydrophilus bilineatus cashmirensis* Redtenbacher.  
Distribution : Barddhaman (Ranigunj), Maldah and Murshidabad (Baharampur).
877. *Hydrophilus indicus* (Bedel)  
Distribution : Kolkata.
878. *Hydrophilus olivaceus* (Fabr.)  
Distribution : Birbhum (Rampurhat).
879. *Hydrophilus rufocinctus* (Bedel)  
Distribution : Kolkata.
880. *Hydrophilus senegalensis* Percheron.  
Distribution : Darjiling.
881. *Laccobius rotundatus* Regimbert  
Distribution : Kolkata.
882. *Laccobius simulans* d'Orchymont  
Distribution : Darjiling (Jorpukhri).
883. *Paracymus evanescens* (Sharp)  
Distribution : Barddhaman.
884. *Regimbertia attenuata* Fabricius  
Distribution : Kolkata.
885. *Sternolophus rufipes* (Fabricius)  
Distribution : Barddhaman (Asansol), Medinipur (Kharagpur), Murshidabad (Baharampur) and Puruliya (Manbhum).  
Subfamily SPHAERIDINAE
886. *Cercyon dilutum* Regimbert.  
Distribution : Darjiling.
887. *Cercyon pseudodilutum* Sato  
Distribution : Darjiling.
888. *Cercyon vicinalis* Walker  
Distribution : Kolkata.
889. *Coelostoma subditum* d'Orchymont  
Distribution : Kolkata.
890. *Dactylosternum hydrophiloides* (M'Leay)  
Distribution : Kolkata (Bansdroni).
891. *Pachysternum nigrovittatum* Mots.  
Distribution : Darjiling.
892. *Pachysternum stevensi* d'Orchymont  
Distribution : Darjiling.
893. *Pachysternum cardoni* d'Orchymont  
Distribution : Darjiling.
894. *Sphaeridium cameroni* d'Orchymont  
Distribution : Puruliya (Manbhum).
895. *Sphaeridium dimidiatum* Gory  
Distribution : Murshidabad (Baharampur).

896. *Sphaeridium quinquemaculatum* Fabricus.  
Distribution : Murshidabad.
897. *Sphaeridium seriatum* d'Orchymont  
Distribution : Darjiling.
898. *Sphaeridium severini* d'Orchymont  
Distribution : Darjiling.  
Superfamily STAPHYLINOIDEA  
Family STAPHYLINIDAE  
Subfamily EUAESTHETINAE
899. *Aulacosthaetus indicus* Cameron  
Distribution : Darjiling.
900. *Edaphus binodulus* Cameron  
Distribution : Darjiling.
901. *Edaphus brevipennis* Cameron  
Distribution : Darjiling.
902. *Edaphus major* Fauvel  
Distribution : Jalpaiguri (Santalbari).
903. *Stenaesthetus quadrisulcatus* Cameron  
Distribution : Darjiling (Pashok).
904. *Stenaesthetus sunioides* Sharp  
Distribution : Darjiling (Sukna) and Jalpaiguri (Madarihat, Kharibari).  
Subfamily MICROPEPLINAE
905. *Micropeplus sikkimi* Fauvel  
Distribution : Darjiling (Gorubathan).
906. *Micropeplus vulcanus* Fauvel  
Distribution : Darjiling.  
Subfamily OXYPORINAE
907. *Oxyporus cephalotes* Cameron  
Distribution : Darjiling.
908. *Oxyporus excellens* Cameron  
Distribution : Darjiling.
909. *Oxyporus terminalis* Cameron  
Distribution : Darjiling.
910. *Oxyporus tricolor* Cameron  
Distribution : Darjiling.  
Subfamily OXYTELINAE
911. *Anotylus frater* (Cameron)  
Distribution : Jalpaiguri (Gayerkata).
912. *Anotylus gardneri* (Cameron)  
Distribution : Darjiling.
913. *Anotylus laetus* (Cameron)  
Distribution : Jalpaiguri (Gayerkata).
914. *Anotylus latiusculus* (Kraatz)  
Distribution : Jalpaiguri (Gayerkata).
915. *Anotylus megacephalus* (Fauvel)  
Distribution : Kolkata and Darjiling.
916. *Anotylus nitidulus* (Gravenhorst)  
Distribution : Jalpaiguri.
917. *Anotylus pygmaes* (Kraatz)  
Distribution : Kolkata.
918. *Anotylus sikkimi* (Fauvel)  
Distribution : Jalpaiguri (Gayerkata).
919. *Anthobium (Eusphalerum) sikkimi* Fauvel  
Distribution : Darjiling.
920. *Apatetica intermedia* Cameron  
Distribution : Not known.
921. *Apatetica javanica* (Sharp)  
Distribution : Not known.
922. *Apatetica sikkimi* Fauvel  
Distribution : Not known.
923. *Apatetica viridipennis* Fauvel  
Distribution : Darjiling.
924. *Bledius (Hesperophilus) baltus* Biswas & Sengupta  
Distribution : Nadia (Suravisthan).
925. *Bledius (Hesperophilus) helferi* Fauvel  
Distribution : South 24 Pgs. (Sagar Island).
926. *Bledius (Pucerus) totius* Biswas & Sengupta  
Distribution : Jalpaiguri (Rajabhatkhawa).
927. *Bledius (Pucerus) niloticus* Erichson  
Distribution : Nadia (Suravisthan).
928. *Bledius (Pucerus) suravius* Biswas & Sengupta  
Distribution : Nadia (Suravisthan).
929. *Bledius (Pucerus) torsius* Biswas & Sengupta  
Distribution : Jalpaiguri (Rajabhatkhawa).
930. *Bledius (s. str.) brunnipennis* (Fabricius)  
Distribution : South 24 Pgs. (Sagar Island) and Kolkata (Eden Gardens).

931. **Bledius (s. str.) hoplites** Fauvel  
Distribution : South 24 Pgs. (Sagar Island).
932. **Borolinus minutus** Castelnau  
Distribution : Darjiling ((Rambi, Reang, Naxalbari, Chunabhati) and Jalpaiguri (Rajabhatkhawa).
933. **Borolinus sikkimensis** Bernhauer  
Distribution : Darjiling.
934. **Deinopteroloma notabile** (Cameron)  
Distribution : Darjiling.
935. **Eleusis persimilis** Cameron  
Distribution : Darjiling.
936. **Eleusis plagiata** Fauvel  
Distribution : Darjiling.
937. **Eleusis rotundiceps** Fauvel  
Distribution : Darjiling.
938. **Eleusis sikkimensis** Cameron  
Distribution : Darjiling.
939. **Eleusis speculifer** Cameron  
Distribution : Darjiling.
940. **Eupiestus angulatus** Fauvel  
Distribution : Darjiling.
941. **Eupiestus feae** Fauvel  
Distribution : Darjiling (Sukna) and Jalpaiguri (Dalsingpara).
942. **Eupiestus sculpticollis** Kraatz  
Distribution : Darjiling (Sukna).
943. **Eupiestus sikkimi** Fauvel  
Distribution : Darjiling.
944. **Eupiestus spinifer** var. **unicolor**  
Cameron  
Distribution : Darjiling.
945. **Holusus lopchuensis** Cameron  
Distribution : Darjiling.
946. **Holusus rugipennis** Cameron  
Distribution : Darjiling.
947. **Leptochirus (Strongylochirus) laevis** Castelnau  
Distribution : Darjiling (Samsing, Rambi, Reang).
948. **Leptochirus (Strongylochirus) quadridens** Motschulsky  
Distribution : Darjiling (Samsing, Goomti forest, Reang, Bhutanbari, Khumani, Mongpong) and Jalpaiguri (Champamari, Hasimara).
949. **Lispinus coriaceus** Fauvel  
Distribution : Darjiling (Rambi, Gorubathan) and Jalpaiguri (Rajabhatkhawa).
950. **Megarthus basicornis** Fauvel  
Distribution : Darjiling.
951. **Megarthus bimaculatus** Fauvel  
Distribution : Darjiling (Chaikhola).
952. **Megarthus birmanus** Fauvel  
Distribution : Darjiling (Dange).
953. **Megarthus chatterjeei** Cameron  
Distribution : Darjiling (Kalijhora).
954. **Megarthus septempunctatus**  
Champion  
Distribution : Darjiling (Chaikhola).
955. **Megarthus umbonatus** Fauvel  
Distribution : Darjiling.
956. **Mimogonus niger** Cameron  
Distribution : Darjiling.
957. **Osorius gardneri** Cameron  
Distribution : Darjiling.
958. **Osorius lopchuensis** Cameron  
Distribution : Darjiling.
959. **Osorius sikkimensis** Bernhauer  
Distribution : Darjiling.
960. **Oxytelopsis andrewesi** Cameron  
Distribution : Kolkata and darjiling (Takdah).
961. **Oxytelopsis bengalensis** Biswas & Sengupta  
Distribution : Kolkata.
962. **Oxytelopsis cimicoides** Fauvel  
Distribution : Darjiling (Takdah, Tung) and Maldah (Nishipur, Ramkali).

963. ***Oxytelopsis pseudopsina*** Fauvel  
*Distribution* : Kolkata, Darjiling (Kalijhora, Takdah, Dange, Jhepi, Teesta) and Maldah (Nishipur, Peajbari).
964. ***Oxytelus (Caccoporus) bengalensis*** Erichson  
*Distribution* : Not known.
965. ***Oxytelus (Caccoporus) ferrugineus*** Kraatz  
*Distribution* : Kolkata.
966. ***Oxytelus (Caccoporus) nigriceps*** Kraatz  
*Distribution* : Not known.
967. ***Oxytelus (Caccoporus) varipennis*** Kraatz  
*Distribution* : Not known.
968. ***Oxytelus (s. str.) cribrum*** Fauvel  
*Distribution* : Darjiling.
969. ***Oxytelus (Tanycraeus) lucens*** Bernhauer  
*Distribution* : Darjiling.
970. ***Oxytelus (Tanycraeus) micans*** Kraatz  
*Distribution* : Kolkata (Eden Gardens).
971. ***Oxytelus (Tanycraeus) punctipennis*** Fauvel  
*Distribution* : Darjiling.
972. ***Priochirus (Plastus) eucerus*** Cameron  
*Distribution* : Darjiling.
973. ***Priochirus (Plastus) gardneri*** Cameron  
*Distribution* : Darjiling.
974. ***Priochirus (Plastus) sikkimensis*** Cameron  
*Distribution* : Darjiling.
975. ***Priochirus (Leptarthrus) longicornis*** (Fauvel)  
*Distribution* : Darjiling.
976. ***Priochirus (Cephalomerus) sanguinosus*** Motschulsky  
*Distribution* : Darjiling (Jhalung, Khumani, Mongpong, Ghoomti forest) and Jalpaiguri (Hasiarama, Champamari).
977. ***Priochirus (Cephalomerus) bengalensis*** Cameron  
*Distribution* : Darjiling.
978. ***Priochirus (Cephalomerus) hoplites*** (Fauvel)  
*Distribution* : Darjiling (Samsing).
979. ***Priochirus (Cephalomerus) rubiginosus*** Cameron  
*Distribution* : Darjiling.
980. ***Priochirus (Cephalomerus) combustus*** (Fauvel)  
*Distribution* : Darjiling.
981. ***Priochirus (Triacanthochirus) bipunctatus*** (Fauvel)  
*Distribution* : Darjiling (Samsing).
982. ***Pseudopsis prolixa*** Herman  
*Distribution* : Darjiling.
983. ***Pseudopsis suchi*** Herman  
*Distribution* : Darjiling.
984. ***Planeustomus bengalensis*** Champion  
*Distribution* : Maldah (Mangalbari).
985. ***Pseudolispinodes bistratus*** (Fauvel)  
*Distribution* : Darjiling.
986. ***Siagonium indicum*** Fauvel  
*Distribution* : Darjiling.
987. ***Tetradelus trigonuroides*** Fauvel  
*Distribution* : Darjiling.
988. ***Thoracochirus assamensis*** Cameron  
*Distribution* : Darjiling (Tung).
989. ***Thoracochirus denticollis*** Cameron  
*Distribution* : Darjiling.
990. ***Thoracophorus montanus*** Cameron  
*Distribution* : Darjiling.
991. ***Trogophloeus (Boopinus) indicus*** Kraatz  
*Distribution* : Kolkata (Eden Gardens).
992. ***Trogophloeus (Boopinus) siamensis*** Fauvel  
*Distribution* : Kolkata (Eden Gardens).
993. ***Trogophloeus (Boopinus) simplex*** Motschulsky  
*Distribution* : Kolkata (Eden Gardens), Indian Museum compound).



994. **Trogophloeus (Trogophloeus) ealcuttanus** Bemhauer  
*Distribution* : Kolkata.  
 Subfamily PAEDERINAE
995. **Acanthoglossa brachycera** Kraatz  
*Distribution* : Nadia (Suravisthan).
996. **Acanthoglossa rufa** Kraatz  
*Distribution* : Darjiling (Sevoke).
997. **Acanthoglossa testaceipennis** Kraatz  
*Distribution* : Bankura (Amdangra), Kolkata (Kolkata), Darjiling (Sukna, Jheepi, Dange, Tung), Jalpaiguri (Madarihat, Santalbari), Maldah (Maldah, Manikchak, Ramkali, Nishipur, Sodhalapur, Mangalbari), Nadia (Suravisthan) and Dinajpur (Tunidighi, Rampur, Karandighi).
998. **Astenus bisalicus** Biswas & Sengupta  
*Distribution* : Darjiling (Tung, Sevoke, Rangtong).
999. **Astenus concolor** (Kraatz)  
*Distribution* : Maldah (Sodhalapur, Nishipur).
1000. **Astenus diversiventris** Cameron  
*Distribution* : Darjiling.
1001. **Astenus flavipennis** Cameron  
*Distribution* : Jalpaiguri (Santalbari).
1002. **Astenus ghumensis** Cameron  
*Distribution* : Darjiling.
1003. **Astenus gracilentus** Fauvel  
*Distribution* : Darjiling (Sukna).
1004. **Astenus indicus** (Kraatz)  
*Distribution* : Darjiling (Tung, Teesta bazar, Rangpo), Maldah (Peajbari) and Nadia (Suravisthan).
1005. **Astenus leptocerus** Eppelsheim  
*Distribution* : Bankura (Amdangra), Maldah (Mangalbari, Sodhalapur, Ramkali, Nishipur), Medinipur (Kankrajhor forest), Nadia (Suravisthan) and Dinajpur (Karandighi).
1006. **Astenus maculipennis** (Kraatz)  
*Distribution* : Maldah (Mahadipur, Ramkali) and Medinipur (Kankrajhor forest).
1007. **Astenus melanurus** var. **subnotatus** Fauvel  
*Distribution* : Kolkata (Dum Dum) and Maldah (Ramkhali, Manikchak).
1008. **Astenus semibrunneus** Cameron  
*Distribution* : Darjiling (Sukna, Teesta Bazar, Kalijhora) and Nadia (Suravisthan).
1009. **Astenus terminalis** Cameron  
*Distribution* : Maldah (Ramkhali).
1010. **Astenus asitus** Biswas & Sengupta  
*Distribution* : Darjiling (Sevoke).
1011. **Charichirus ceylonicus** (Cameron)  
*Distribution* : Bankura (Amdangra).
1012. **Charichirus chinensis** (Boh.)  
*Distribution* : Bankura (Radhanagar), Darjiling (Rongtong) and Nadia (Suravisthan).
1013. **Charichirus immaculatus** Cameron  
*Distribution* : Darjiling.
1014. **Charichirus princeps** (Fauvel)  
*Distribution* : Darjiling (Sevoke, Kalijhora, Rangpo).
1015. **Cryptobium brachypterum** Cameron  
*Distribution* : Darjiling.
1016. **Cryptobium fluviatile** Champion  
*Distribution* : South 24 Pgs. (Budge-Budge).
1017. **Cryptobium marginatum** Motschulsky  
*Distribution* : Darjiling (Chaikhola).
1018. **Cryptobium sikkimense** Cameron  
*Distribution* : Darjiling (Rangtong).
1019. **Cryptobium abdominal** var. **indicum** Kraatz  
*Distribution* : Darjiling (Rambi, Reang, Semana, Kalijhora), Jalpaiguri (Hasimara, Rajabhatkhawa), Medinipur (Bholabdhda) and Nadia (Suravisthan).
1020. **Dibelonetes indicus** Cameron  
*Distribution* : Kolkata.
1021. **Dibelonetes bengalensis** Biswas & Sengupta  
*Distribution* : Kolkata, Darjiling (Mahanadi, Rangpo, Lodhama), Maldah (Nishipur) and Nadia (Suravisthan).

1022. *Dibelonetes bhaumiki* Biswas & Sengupta  
*Distribution* : Darjiling (Sevoke, Rangpo).
1023. *Dibelonetes formosae* Bernhauer  
*Distribution* : Kolkata (Eden Gardens) and Dinajpur (Rampur).
1024. *Dibelonetes indicus* Cameron  
*Distribution* : Darjiling (Tindharia, Tung, Mahanadi).
1025. *Dibelonetes sikkimensis* Biswas & Sengupta  
*Distribution* : Darjiling (Kalijhora).
1026. *Dolicaon longipennis* Cameron  
*Distribution* : Nadia (Suravisthan).
1027. *Dolicaon indicus* Kraatz.  
*Distribution* : Not known.
1028. *Lathrobium cafrum* Boh.  
*Distribution* : Nadia (Suravisthan) and Dinajpur (Karandighi).
1029. *Lathrobium guttula* Fauvel  
*Distribution* : Darjiling.
1030. *Lathrobium triste* Cameron  
*Distribution* : Darjiling (Neora valley).
1031. *Lathrobium unicolor* Kraatz  
*Distribution* : South 24 Pgs. (Sagar Island, Bamankhal), Kolkata (Kolkata, Eden Gardens) and Nadia (Suravisthan).
1032. *Lithocharis nigriceps* Kraatz  
*Distribution* : Darjiling (Lodhama, Rangpo), Maldah (Ramkhali), Nadia (Suravisthan) and Dinajpur (Tunidighi).
1033. *Lithocharis penicillata* Cameron  
*Distribution* : Jalpaiguri (Rajabhatkhawa).
1034. *Lithocharis sororcula* Kraatz  
*Distribution* : Darjiling (Bijanbari).
1035. *Lobochilus brachypterus* Cameron  
*Distribution* : Darjiling.
1036. *Lobochilus brevipennis* Cameron  
*Distribution* : Darjiling.
1037. *Lobochilus fortepunctatus* (Cameron)  
*Distribution* : Darjiling (Mirik).
1038. *Lobochilus granulicollis* (Cameron)  
*Distribution* : Darjiling (Kalijhora, Sevoke).
1039. *Lobochilus labralis* Cameron  
*Distribution* : Darjiling.
1040. *Medon birmanus* Fauvel  
*Distribution* : Darjiling (Tung).
1041. *Medon cinnamopterus* (Kraatz)  
*Distribution* : Kolkata (Eden Gardens).
1042. *Medon planatus* Bernhauer  
*Distribution* : Darjiling (Singla Bazar, Kalimpong, Rambli), Hugli (Bhadreswar), Maldah (Ramkali, Manichak), Medinipur (Kapra) and Nadia (Suravisthan).
1043. *Medon opacellus* Fauvel  
*Distribution* : Darjiling (Danga, Mahanadi).
1044. *Oedichirus longipennis* Kraatz  
*Distribution* : Maldah (Mahadipur, Peajbari, Manikchak) and Nadia (Suravisthan).
1045. *Pachymedon. shugnuensis* Cameron  
*Distribution* : Darjiling (Kalijhora).
1046. *Pachymedon assamensis* Cameron  
*Distribution* : Jalpaiguri.
1047. *Paederus atrocyanus* Champion  
*Distribution* : Jalpaiguri (Buxaduar).
1048. *Paederus birmanus* Fauvel  
*Distribution* : Dinajpur (Kaliagunj).
1049. *Paederus conicollis* Motschulsky  
*Distribution* : Medinipur (Keyagaria).
1050. *Paederus fuscipes* Curtis  
*Distribution* : South 24 Pgs. (Sonarpur, Canning, Budge-Budge), Bankura (Amdangra), Kolkata (Lake Gardens, Maidan), Darjiling (Rongtong, Kalijhora), Haora (Kamina), Jalpaiguri (Santalbari, Lankapara, Buxaduar, Damanpur), Maldah (Nalakhokson, Chanchal, Alal, Tulsihata), Medinipur (Sankarpur forest, Digha, Kharagpur), Murshidabad (Dhulian) and Dinajpur (Rampur).
1051. *Paederus himalayicus* Bernhauer  
*Distribution* : Darjiling.
1052. *Paederus hingstoni* Cameron  
*Distribution* : Not known.

1053. *Paederus melampus* Erichson  
Distribution : Darjiling (Rangtong) and Jalpaiguri (Alipurduar).
1054. *Paederus nigricornis* Bernhauer  
Distribution : Darjiling.
1055. *Paederus nigripennis* Cameron  
Distribution : Jalpaiguri (Dalsingpara, Jainti).
1056. *Paederus pubescens* Cameron  
Distribution : Jalpaiguri (Damanpur, Alipurduar).
1057. *Paederus tamulus* Erichson  
Distribution : Barddhaman (Asansol).
1058. *Palaminus moticola* Cameron  
Distribution : Darjiling (Kalimpong, Rangpo) and Nadia (Suravisthan).
1059. *Palaminus indicus* Kraatz  
Distribution : Darjiling (Kurseong).
1060. *Pinophilus borneensis* Fauvel  
Distribution : Darjiling (Kurseong).
1061. *Pinophilus depressus* Kraatz  
Distribution : Kolkata (Eden Gardens).
1062. *Pinophilus genalis* Fauvel  
Distribution : Kolkata (Eden Gardens).
1063. *Pinophilus indicus* Cameron  
Distribution : Bankura (Gonga jachati).
1064. *Pinophilus javanus* Erichson  
Distribution : Kolkata.
1065. *Pinophilus leucopus* Kraatz  
Distribution : South 24 Pgs. (Canning).
1066. *Scimbalium waageni* Bernhauer  
Distribution : Kolkata.
1067. *Sclerochiton indicus* (Motschulsky)  
Distribution : Jalpaiguri (Santalbari).
1068. *Scopaeus andrewesi* Cameron  
Distribution : Nadia (Suravisthan).
1069. *Scopaeus beelsoni* Cameron  
Distribution : Darjiling (Sevoke), Jalpaiguri (Santalbari) and Dinajpur (Tunidighi).
1070. *Scopaeus bicuspis* Kraatz  
Distribution : Nadia.
1071. *Scopaeus dilutus* Motschulsky  
Distribution : Nadia (Suravisthan).
1072. *Scopaeus germanus* Cameron  
Distribution : Darjiling (Teesta Bazar, Lodhama, Lava, Bijanbari) and Nadia (Suravisthan).
1073. *Scopaeus limbatus* Kraatz  
Distribution : Kolkata (Eden Gardens), Darjiling (Kalimpong, Kalijhora, Teesta Bazar, Rangtong, Sukna), Jalpaiguri (Santalbari) and Medinipur (Kankrajhor forest).
1074. *Scopaeus nitidulus* Motschulsky  
Distribution : Darjiling (Kalijhora), Jalpaiguri (Gayerkata) and Nadia (Suravisthan, Badkulla).
1075. *Scopaeus pallidulus* Kraatz  
Distribution : Kolkata (Indian Museum compound), Darjiling (Sukna) and Nadia (Suravisthan).
1076. *Scopaeus testaceus* Motschulsky  
Distribution : Medinipur (Jhargram).
1077. *Stilicopsis indica* Cameron  
Distribution : Darjiling (Bijanbari, Darjiling, Teesta Bazar, Kalijhora).
1078. *Stilicopsis pallida* Cameron  
Distribution : Darjiling (Rangpo) and Maldah (Mangalbari).
1079. *Stilicopsis umbilicata* Fauvel  
Distribution : Kolkata (Eden Gardens).
1080. *Stilicus parvus* Cameron  
Distribution : Darjiling (Rangpo).
1081. *Stilicus pygmaeus* Kraatz  
Distribution : Darjiling (Teesta) and Jalpaiguri (Rajabhatkawa).
1082. *Stilicus velutinus* Fauvel  
Distribution : Darjiling (Lodhama, Teesta, Kalijhora).
1083. *Stiliderus cicatricosus* Motschulsky  
Distribution : Darjiling.
1084. *Stiliderus feae* (Fauvel)  
Distribution : Darjiling (Tung, Mahanandi).
1085. *Stiliderus malaisei* (Scheerpeltz)  
Distribution : Darjiling.

1086. *Stiliderus minor* (Cameron)  
Distribution : Darjiling (Tung, Mahanadi).
1087. *Stiliderus nepalensis* Rougemont  
Distribution : Darjiling.
1088. *Stiliderus umbratus* (Fauvel)  
Distribution : Darjiling (Lava).
1089. *Stiliderus variolosus* (Coiffait)  
Distribution : Darjiling.
1090. *Thinocharis birmana* Cameron  
Distribution : Darjiling.
1091. *Thinocharis carinicollis* Kraatz  
Distribution : Darjiling (Dange).
1092. *Thinocharis debilis* Cameron  
Distribution : Darjiling (Bijanbari), Jalpaiguri (Gayarkata, Santalbari) and Maldah (Ramkali).
- Subfamily STAPHYLININAE
1093. *Actobius major* Cameron  
Distribution : Darjiling.
1094. *Actobius monticola* Cameron  
Distribution : Darjiling.
1095. *Actobius. mangpuensis* Cameron  
Distribution : Darjiling.
1096. *Acylophorus furcatus* Motschulsky  
Distribution : Darjiling.
1097. *Acylophorus microcephalus*  
Cameron  
Distribution : Darjiling.
1098. *Acylophorus raato* Smetana  
Distribution : Darjiling.
1099. *Acylophorus ruficollis*  
(Mostchulsky)  
Distribution : Kolkata.
1100. *Anchocerus nepalicus* Smetana  
Distribution : Darjiling.
1101. *Atanygnathus terminalis* (Erichson)  
Distribution : Kolkata (Eden Gardens).
1102. *Belonuchus gardneri* Cameron  
Distribution : Darjiling.
1103. *Belonuchus quadratus* (Kraatz)  
Distribution : Kolkata.
1104. *Eucibdelus angusticeps* Bernhauer  
Distribution : Darjiling.
1105. *Eucibdelus stevensi* Cameron  
Distribution : Darjiling.
1106. *Gauropterus marginalis* Cameron  
Distribution : Darjiling.
1107. *Hesperus wasmanni* Fauvel  
Distribution : Darjiling.
1108. *Hesperus feae* Fauvel  
Distribution : Not known.
1109. *Heterothops pusillus* Coiffait  
Distribution : Darjiling.
1110. *Leptacinus aethiops* Bernhauer  
Distribution : Darjiling.
1111. *Leptacinus notabilis* Cameron  
Distribution : Kolkata.
1112. *Indoquedius aberrans* (Cameron)  
Distribution : Darjiling.
1113. *Indoquedius baliyo* Smetana  
Distribution : Darjiling.
1114. *Mitomorphus brachypterus*  
Cameron  
Distribution : Darjiling.
1115. *Mitomorphus brevipennis*  
Cameron  
Distribution : Darjiling.
1116. *Naddia westermanni* (Erichson)  
Distribution : Darjiling (Kurseong).
1117. *Neobisnius praelongus* (Gemm. et Har.)  
Distribution : Kolkata (Eden Gardens).
1118. *Ontholestes aurosparsus* (Fauvel)  
Distribution : Darjiling.
1119. *Othius monticola* Cameron  
Distribution : Darjiling.
1120. *Pachycorynus niger* Cameron  
Distribution : Darjiling.
1121. *Parapalaestrinus mutillarius*  
(Erichson)  
Distribution : Not known.
1122. *Parapalaestrinus waageni*  
(Eppelsheim)  
Distribution : Kolkata.

1123. *Paratolmerus pilosiventris* Cameron  
Distribution : Darjiling.
1124. *Philomyceta affinis* Cameron  
Distribution : Darjiling.
1125. *Philomyceta caeruleipennis*  
Cameron  
Distribution : Darjiling.
1126. *Philonthopsis antennalis* Cameron  
Distribution : Darjiling.
1127. *Philonthus (Gabrius) rupicola*  
Cameron  
Distribution : Darjiling.
1128. *Philonthus adversus* Bernhauer  
Distribution : Darjiling.
1129. *Philonthus aeripennis* Cameron  
Distribution : Darjiling.
1130. *Philonthus bengalensis* Bernhauer  
Distribution : Darjiling (Darjiling).
1131. *Philonthus carbonarius* (Gyll.)  
Distribution : Darjiling.
1132. *Philonthus christiei* Bernhauer  
Distribution : Darjiling.
1133. *Philonthus cinctulus* (Gravely)  
Distribution : Kolkata.
1134. *Philonthus flavocinctus*  
Motschulsky  
Distribution : Kolkata and Darjiling  
(Darjiling).
1135. *Philonthus gardneri* Cameron  
Distribution : Darjiling.
1136. *Philonthus imitator* Fauvel  
Distribution : Darjiling.
1137. *Philonthus industanus* Fauvel  
Distribution : Darjiling.
1138. *Philonthus longicornis* Stephens  
Distribution : Darjiling (Darjiling).
1139. *Philonthus montivagans* Cameron  
Distribution : Darjiling.
1140. *Philonthus nigrifulus* (Gravely)  
Distribution : Darjiling (Darjiling, Kurseong).
1141. *Philonthus paederoides* Motschulsky  
Distribution : Kolkata (Eden Gardens).
1142. *Philonthus quisquiliarius* var.  
*inquinatus* Stephens  
Distribution : Kolkata.
1143. *Philonthus thermarum* Aube'  
Distribution : Kolkata.
1144. *Platyprosopus biseriatus* Eppelsheim  
Distribution : Kolkata (Kolkata, Eden  
Gardens).
1145. *Platyprosopus fuliginosus* Erichson  
Distribution : Kolkata (Eden Gardens) and  
Medinipur (Kharagpur).
1146. *Platyprosopus indicus* Motschulsky  
Distribution : Kolkata.
1147. *Quedius (Raphirus) tonglu* Smetana  
Distribution : Darjiling.
1148. *Quedius (Microsaurus)*  
*antennalis* Cameron  
Distribution : Darjiling.
1149. *Quedius (Microsaurus)*  
*apicicornis* Eppelsheim  
Distribution : Darjiling.
1150. *Quedius (Microsaurus) beelsoni*  
Cameron  
Distribution : Darjiling.
1151. *Quedius (Microsaurus) inquietus*  
(Champion)  
Distribution : Darjiling.
1152. *Quedius (Microsaurus) placidus*  
Cameron  
Distribution : Darjiling.
1153. *Quedius (Raphirus) gardneri*  
Cameron  
Distribution : Darjiling.
1154. *Quedius (Raphirus) aureiventris*  
Bernhauer  
Distribution : Darjiling.
1155. *Quedius (Raphirus) durgaa* Smetana  
Distribution : Darjiling.

1156. ***Quedius (Raphirus) himalayicus***  
Bernhauer  
*Distribution* : Darjiling.
1157. ***Quedius (Raphirus) muscicola***  
Cameron  
*Distribution* : Darjiling.
1158. ***Quedius (Raphirus) ripicola***  
Cameron  
*Distribution* : Darjiling.
1159. ***Quedius (Raphirus) rugosus***  
Cameron  
*Distribution* : Darjiling.
1160. ***Quedius (Distichalius) deceptor***  
Cameron  
*Distribution* : Darjiling.
1161. ***Staphylinus (Abemus) marginatus*** Cameron  
*Distribution* : Darjiling.
1162. ***Staphylinus (Goerius) caeruleus***  
Cameron  
*Distribution* : Darjiling.
1163. ***Staphylinus (Goerius) prainae***  
(Eppelsheim)  
*Distribution* : Darjiling.
1164. ***Staphylinus (Platydracus) asemus*** Kraatz  
*Distribution* : Darjiling.
1165. ***Staphylinus (Platydracus) sparsus*** Cameron  
*Distribution* : Darjiling.
1166. ***Staphylinus (Tasgius) sikkimensis*** Bernhauer  
*Distribution* : Darjiling.
1167. ***Staphylinus (Tasgius) wasmanni***  
Bernhauer  
*Distribution* : Darjiling.
1168. ***Staphylinus (Tasgius) auroguttatus*** Cameron  
*Distribution* : Not known.
1169. ***Staphylinus (Tasgius) stevensi***  
Cameron  
*Distribution* : Not known.
1170. ***Thoracostrongylus birmanus***  
(Fauvel)  
*Distribution* : Darjiling.
1171. ***Wasmannellus tristis*** Bernhauer  
*Distribution* : Darjiling.
1172. ***Xantholinus (s.str.) aeneus***  
Cameron  
*Distribution* : Darjiling.
1173. ***Xantholinus parvus*** Eppelsheim  
*Distribution* : Darjiling.
1174. ***Xantholinus ruficaudatus*** Cameron  
*Distribution* : Darjiling.
- Subfamily STENINAE
1175. ***Dianous adjacens*** Cameron  
*Distribution* : Darjiling.
1176. ***Dianous annandalei*** Bernhauer  
*Distribution* : Darjiling.
1177. ***Dianous andrewesi*** Cameron  
*Distribution* : Not known.
1178. ***Dianous cameroni*** Champion  
*Distribution* : Darjiling.
1179. ***Dianous championi*** Cameron  
*Distribution* : Darjiling.
1180. ***Dianous obliquenotatus*** Champion  
*Distribution* : Darjiling.
1181. ***Dianous versicolor*** Cameron  
*Distribution* : Darjiling.
1182. ***Dianous wittmeri*** Rougemont  
*Distribution* : Darjiling.
1183. ***Stenus (Hypostenus) barbatus***  
Niet.  
*Distribution* : Darjiling.
1184. ***Stenus (Hypostenus) cursorius*** L.  
Benick  
*Distribution* : Maldah (Peajbari).
1185. ***Stenus (Hypostenus) fistulosus*** L.  
Benick  
*Distribution* : Maldah (Sodhlapur).

1186. *Stenus (Hypostenus) guttalis*  
Fauvel  
*Distribution* : Darjiling (Chaikhola).
1187. *Stenus (Hypostenus) kurseonginus* Bernhauer  
*Distribution* : Darjiling (Kurseong, Chaikhola).
1188. *Stenus (Hypostenus) monomerus*  
Fauvel  
*Distribution* : Darjiling (Chaikhola).
1189. *Stenus (Hypostenus) obliterated*  
Cameron  
*Distribution* : Darjiling.
1190. *Stenus (Hypostenus) pictus*  
Motschulsky  
*Distribution* : Darjiling (Teesta Bazar).
1191. *Stenus (Hypostenus) tricarinatus*  
Kraatz  
*Distribution* : Kolkata (Indian Museum compound).
1192. *Stenus (Hypostenus) wasmanni*  
Fauvel  
*Habitat* : Leaf litter.  
*Distribution* : Maldah (Mahadipur, Nishipur, Ramkali, Manikchak).
1193. *Stenus (Mesostenus) gardneri*  
Cameron  
*Distribution* : Darjiling.
1194. *Stenus (Mesostenus) lopchuensis*  
Cameron  
*Distribution* : Darjiling.
1195. *Stenus (Mesostenus) mangpuensis* Cameron  
*Distribution* : Darjiling.
1196. *Stenus (Mesostenus) pseudopictus* Cameron  
*Distribution* : Darjiling.
1197. *Stenus (Mesostenus) rubronotatus* Cameron  
*Distribution* : Darjiling.
1198. *Stenus (Mesostenus) separandus*  
Cameron  
*Distribution* : Darjiling.
1199. *Stenus (Mesostenus) stigmaticus*  
Fauvel  
*Distribution* : Darjiling.
1200. *Stenus (Mesostenus) tenuimargo*  
Cameron  
*Distribution* : Darjiling.
1201. *Stenus (Mesostenus) virgula*  
Fauvel  
*Distribution* : Darjiling.
1202. *Stenus (s. str.) vorticosus*  
Cameron  
*Distribution* : Darjiling.
1203. *Stenus confluens* Cameron  
*Distribution* : Darjiling.
1204. *Stenus sikkimensis* Cameron  
*Distribution* : Darjiling.  
Subfamily TACHYPORINAE
1205. *Bolitobius biplagiatus* Cameron  
*Distribution* : Darjiling.
1206. *Bolitobius centralis* Cameron  
*Distribution* : Darjiling.
1207. *Bolitobius championi* Cameron  
*Distribution* : Darjiling.
1208. *Bolitobius difficilis* Cameron  
*Distribution* : Darjiling.
1209. *Bolitobius elegans* Cameron  
*Distribution* : Darjiling.
1210. *Bolitobius femoralis* Cameron  
*Distribution* : Darjiling.
1211. *Bolitobius lambda* (Fauvel)  
*Distribution* : Darjiling.
1212. *Bolitobius scapularis* Cameron  
*Distribution* : Darjiling.
1213. *Bolitobius simulans* Cameron  
*Distribution* : Darjiling.
1214. *Bolitobius tarsalis* Cameron  
*Distribution* : Darjiling.

1215. ***Bolitobius transversulus*** Reitter  
*Distribution* : Darjiling.
1216. ***Conosoma birmanum*** (Fauvel)  
*Distribution* : Darjiling.
1217. ***Conosoma himalayicum*** Cameron  
*Distribution* : Darjiling.
1218. ***Conosoma maculicolle*** Cameron  
*Distribution* : Darjiling.
1219. ***Conosoma persimile*** Cameron  
*Distribution* : Darjiling.
1220. ***Conosoma quadrimaculatum***  
Cameron  
*Distribution* : Darjiling.
1221. ***Conosoma robustum*** Cameron  
*Distribution* : Darjiling.
1222. ***Mycetoporus graciosus*** Cameron  
*Distribution* : Darjiling.
1223. ***Nepaliodes variolosus*** Coiffait  
*Distribution* : Darjiling.
1224. ***Paratachinus monticola*** Cameron  
*Distribution* : Darjiling.
1225. ***Paratachinus laticollis*** Cameron  
*Distribution* : Not known.
1226. ***Tachinus ornatus*** Cameron  
*Distribution* : Darjiling.
1227. ***Tachinus lugubris*** Cameron  
*Distribution* : Darjiling.
1228. ***Tachinus coriaceus*** Cameron  
*Distribution* : Darjiling.
1229. ***Tachinus piceus*** Cameron  
*Distribution* : Darjiling.
1230. ***Tachinus limbicollis*** Cameron  
*Distribution* : Darjiling.
1231. ***Tachyporus flavopictus*** Fauvel  
*Distribution* : Darjiling.
1232. ***Tachyporus himalayicus***  
Bernhauer  
*Distribution* : Darjiling.
1233. ***Tachyporus suturalis*** Cameron  
*Distribution* : Darjiling.
1234. ***Tachyporus undulatus*** Cameron  
*Distribution* : Darjiling.  
Superfamily SCARABAEOIDEA  
Family SCARABAEIDAE  
Subfamily CETONIINAE
1235. ***Anthraephora crucifera*** Olivier  
*Distribution* : Kolkata, Darjiling and Maldah.
1236. ***Anthraephora dalmanni*** (Hope)  
*Distribution* : Darjiling (Kurseong).
1237. ***Callinomes pusillus*** Arrow  
*Distribution* : Darjiling.
1238. ***Cetonia rhododendri*** Gestro  
*Distribution* : Darjiling.
1239. ***Cetonia rutilans*** (Janson)  
*Distribution* : Darjiling ( Mangpu, Kalijhora).
1240. ***Chiloloba acute*** (Wiedemann)  
*Distribution* : Darjiling (Mangpu) and Maldah.
1241. ***Clerota vittigera*** (Hope)  
*Distribution* : Darjiling.
1242. ***Clinteria haffmeisteri*** White  
*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Barddhaman, Birbhum, Kolkata, Darjiling, Haora, Hugli, Koch Bihar, Maldah, Medinipur, Murshidabad, Nadia and Puruliya.
1243. ***Clinteria oberthuri*** Arrow  
*Distribution* : Darjiling.
1244. ***Clinteria pumila*** (Swartz)  
*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Barddhaman, Birbhum, Kolkata, Darjiling, Haora, Hugli, Koch Bihar, Maldah, Mednipur, Murshidabad, Nadia and Puruliya.
1245. ***Clinteria spilota*** Hope  
*Distribution* : Darjiling (Kalimpong, Peshoke, Ghumti, Ghoom, Singla, Lord Carmichael, Kurseong), Hugli and Jalpaiguri (Ranipool, BTR).



1246. *Coenochilus campbelli* Saund  
Distribution : Darjiling.
1247. *Cymophorus pulchellus* Arrow  
Distribution : Maldah.
1248. *Dasyvalgus carbonarius* Arrow  
Distribution : Darjiling.
1249. *Diceros childreni* (Westwood)  
Distribution : Kolkata.
1250. *Dicranocephalus wallichi* Hope  
Distribution : Darjiling ( Kalimpong).
1251. *Euchloropus laetus* (Fabricius)  
Distribution : Kolkata.
1252. *Glycosia luctifera* (Fairmaire)  
Distribution : Darjiling.
1253. *Glycosia tricolor* Olivier  
Distribution : North 24 Pgs., Hugli and Jalpaiguri (BTR).
1254. *Glycyphana catena* Arrow  
Distribution : Darjiling (Darjiling).
1255. *Glycyphana horsfieldi* (Hope)  
Distribution : Darjiling ( Kurseong, Peshok), Hugli and Jalpaiguri (BTR).
1256. *Glycyphana nepalensis* Kraatz  
Distribution : Kolkata (Eden Gardens).
1257. *Heterorrhina dispar* Arrow  
Distribution : Darjiling.
1258. *Heterorrhina elegans* (Fabricius)  
Distribution : Kolkata (Lake Gardens), Maldah and Murshidabad.
1259. *Heterorrhina mutabilis* (Hope)  
Distribution : Darjiling (Pashok, Kurseong), Hugli and Jalpaiguri (BTR).
1260. *Macronota mearefi* Westw.  
Distribution : Jalpaiguri (BTR).
1261. *Heterorrhina nigritarsis* (Hope)  
Distribution : Darjiling (Kurseong), Hugli and Jalpaiguri (BTR).
1262. *Heterorrhina punctatissima*  
Westwood  
Distribution : Darjiling.
1263. *Jumnos ruckeri* Saunders  
Distribution : Darjiling.
1264. *Macroma javanica* Gory & Percheron  
Distribution : Darjiling.
1265. *Macroma xanthorrhina* (Hope)  
Distribution : Darjiling.
1266. *Macronota antennata* Wallace  
Distribution : Darjiling (Pashok, Kurseong, Ghoom).
1267. *Macronota nigricollis* (Janson)  
Distribution : Darjiling (Mangpu).
1268. *Macronota penicillata* (Hope)  
Distribution : Darjiling (Kurseong, Darling).
1269. *Macronota quadrilineata* Hope  
Distribution : Darjiling (Ghumti).
1270. *Macronota ursus* (Westwood)  
Distribution : Darjiling (Peslok).
1271. *Macronota virgata* (Janson)  
Distribution : Darjiling (Mangpu).
1272. *Macronota Westwoodi* (Thomson)  
Distribution : Darjiling (Kurseong).
1273. *Mycteristes microphyllus* Wood-Mason  
Distribution : Darjiling.
1274. *Oxycetonia albopunctata* (Fabricius)  
Distribution : South 24 Pgs. (Subhasgram), Kolkata (Ballygunge), Hugli, Maldah and Murshidabad (Baharampur), Jalpaiguri (Kalchini, Rajabhatkhawa, BTR).
1275. *Oxycetonia jucunda* (Faldermann)  
Distribution : Darjiling (Mangphu, Sureil, Kurseong, Peshok, Darjiling, Singtong, Mahanadi), Hugli and Jalpaiguri (BTR).
1276. *Oxycetonia versicolor* (Fabricius)  
Distribution : Maldah (Chinsura Rly. station).
1277. *Protaetia aurichalcea* (Fabricius)  
Distribution : South 24 Pgs. (Subhasgram), Kolkata (Eden Gardens, Ballygunge), Jalpaiguri (BTR).

1278. *Protaetia auripes* (Hope)  
*Distribution* : Darjiling (Peshok).
1279. *Protaetia cariana* (Gestro)  
*Distribution* : Darjiling.
1280. *Protaetia caudata* Arrow  
*Distribution* : Darjiling.
1281. *Protaetia fusca* (Herbst)  
*Distribution* : Kolkata, Darjiling (Kalimpong),  
Maldah, Jalpaiguri (BTR).
1282. *Protaetia inanis* (Wallace)  
*Distribution* : Darjiling.
1283. *Protaetia montana* (Nonfried)  
*Distribution* : Darjiling.
1284. *Protaetia neglecta* (Hope)  
*Distribution* : Darjiling (Kurseong).
1285. *Protaetia peregrina* (Harb)  
*Distribution* : Murshidabad.
1286. *Rhomborrhina glaberrima*  
(Westwood)  
*Distribution* : Darjiling (Kurseong, Darjiling).
1287. *Rhomborrhina heros* (Gory &  
Percheron)  
*Distribution* : Darjiling (Darjiling).
1288. *Rhomborrhina mearesi* (Hope)  
*Distribution* : Darjiling (Kurseong).
1289. *Rhomborrhina mellyi* (Gory &  
Percheron)  
*Distribution* : Darjiling (Darjiling).
1290. *Rhomborrhina microcephala*  
West wood  
*Distribution* : Darjiling (Darjiling).
1291. *Spilophorus cretosus* (Hope)  
*Distribution* : Birbhum (Santineketan),  
Kolkata and Maldah.
1292. *Thaumastopeus pullus* (Billberg)  
*Distribution* : Darjiling.
1293. *Torynorrhina apicalis* (Westwood)  
*Distribution* : Darjiling (Kurseong, Darjiling).
1294. *Torynorrhina opalina* (Hope)  
*Distribution* : Darjiling (Kurseong,  
Gopaldhara, Rungbong valley, Ghumti).
1295. *Trigonophorus gracilipes*  
Westwood  
*Distribution* : Darjiling (Darjiling).
1296. *Trigonophorus nepalensis* Hope  
*Distribution* : Darjiling (Darjiling).
1297. *Trigonophorus saundersi*  
Westwood  
*Distribution* : Darjiling (Kurseong).
1298. *Trigonophorus scintillans* Arrow  
*Distribution* : Darjiling (Kurseong).  
Subfamily DYNASTINAE
1299. *Alissonotum crassum* Arrow  
*Distribution* : Koch Bihar.
1300. *Alissonotum piceum* (Fabricius)  
*Distribution* : Kolkata.
1301. *Alissonotum simile* Arrow  
*Distribution* : Darjiling (Siliguri).
1302. *Clyster vetusus* Arrow  
*Distribution* : Jalpaiguri (BTR).
1303. *Eophileurus planatus* (Wiedemann)  
*Distribution* : Darjiling (Kalimpong, Peshok).
1304. *Eupatorus hardwickei* (Hope)  
*Distribution* : Darjiling (Kurseong, Ghoom,  
Darjiling, Lord Carmichael, Rangiroom).
1305. *Heteronychus annulatus* Bates  
*Distribution* : Kolkata.
1306. *Heteronychus lioderes*  
Redtenbacher  
*Distribution* : South 24 Pgs. (Basanti),  
Kolkata (Behala) and Darjiling (Sukna).
1307. *Oryctes rhinoceros* (Linnaeus)  
*Distribution* : Kolkata, Hugli, Medinipur  
(Digha) and Murshidabad (Baharampur).
1308. *Phyllognathus dionysius*  
(Fabricius)  
*Distribution* : North 24 Pgs. (Sodepur) and  
Darjiling (Reang, Darjiling).

1309. *Xylotrupes qideon* (Linnaeus)  
*Distribution* : Darjiling (Kurseong) and Jalpaiguri (Chilapata forest).  
 Subfamily RUTELINAE
1310. *Pepernota harringtoni* Westwood  
*Distribution* : Darjiling.
1311. *Parastasia rufopicta* Westwood  
*Distribution* : Darjiling (Singla, Lord Carmichael).
1312. *Parastasia sulcipennis*  
*Distribution* : Jalpaiguri (BTR).
1313. *Parastasia ochracea* (Waterhouse)  
*Distribution* : Darjiling.
1314. *Dactylopopillia virescens* (Hope)  
*Distribution* : Darjiling (Darjiling, Pedong) and Jalpaiguri (Chapramari forest).
1315. *Papillia cyanea* Hope  
*Distribution* : Darjiling (Mangpu, Kurseong, Ghumti, Palmajun, Mirik) and Jalpaiguri (Chapramari forest).
1316. *Papillia nitida* Hope  
*Distribution* : Darjiling (Kurseong).
1317. *Papillia amabilis*  
*Distribution* : Jalpaiguri (BTR).
1318. *Papillia laevicollis* Kraatz  
*Distribution* : Darjiling.
1319. *Papillia cupricollis* Hope  
*Distribution* : Darjiling (Mangpu, Kurseong, Darjiling, Upper Testa valley, Tindharia, Siliguri, Tarkhola, Mirik).
1320. *Papillia nottrotti* Kraatz  
*Distribution* : Darjiling.
1321. *Papillia feae* Kraatz  
*Distribution* : Darjiling (Mangpu).
1322. *Papillia pilicollis* Kraatz  
*Distribution* : Darjiling (Mangpu, Kalimpong, Kurseong).
1323. *Spilopopillia sexguttata* (Fairmaire)  
*Distribution* : Darjiling.
1324. *Mimela passerinii* Hope  
*Distribution* : Darjiling (Ghoom, Darjiling, Lord Carmichael, Ghoombhanjang, Lepchajagat, Rangirrom).
1325. *Mimela vernicata* (Fairmaire)  
*Distribution* : Darjiling (Kurseong).
1326. *Mimela sericea* Ohaus  
*Distribution* : Darjiling (Pashok).
1327. *Mimela horsfieldi* Hope  
*Distribution* : Darjiling (Kurseong), Jalpaiguri (BTR).
1328. *Mimela fulgidivittata* Blanchard  
*Distribution* : Darjiling.
1329. *Mimela leei* Swed  
*Distribution* : Jalpaiguri (BTR).
1330. *Mimela vittaticollis* Burmeister  
*Distribution* : Darjiling (Gopaldhara, Darjiling, Kurseong, Ghoom, Lebong, Siliguri, Mangpu).
1331. *Mimela princeps* Hope  
*Distribution* : Darjiling (Siliguri, Kurseong, Pashok, Ghumti).
1332. *Mimela laevigata* Arrow  
*Distribution* : Darjiling.
1333. *Mimela heterochropus* Blanchard  
*Distribution* : Barddhaman (Raigunj) and Darjiling (Ghoom, Kurseong, Ghumti, Rangbong valley, Mangpu, Jalapahar).
1334. *Mimela rugicauda* Arrow  
*Distribution* : Darjiling.
1335. *Mimela glabra* Hope  
*Distribution* : Darjiling (Mangpu).
1336. *Mimela dehani* (Hope)  
*Distribution* : Darjiling.
1337. *Mimela marginalis* Arrow  
*Distribution* : Darjiling (Siliguri, Kurseong, Darjiling, Birch Hill).
1338. *Mimela bicolor* Hope  
*Distribution* : Darjiling (Singla, Ghumti).

1339. *Anomala tenella* (Blanchard)  
Distribution : Kolkata.
1340. *Anomala decipiens*  
Distribution : Jalpaiguri (BTR).
1341. *Anomala dorsalis* (Fabricius)  
Distribution : Kolkata, Jalpaiguri (BTR).
1342. *Anomala bengalensis* Blanchard.  
Distribution : Kolkata, Maldah, Jalpaiguri (BTR).
1343. *Anomala rugosa* Arrow  
Distribution : Darjiling.
1344. *Anomala varicolor* (Gyllenthal)  
Distribution : Kolkata, Darjiling (Sukna, Lord Carmichael) and Jalpaiguri (BTR).
1345. *Anomala bilobata* Arrow  
Distribution : Kolkata, Darjiling (Kalimpong), Murshidabad, Jalpaiguri (BTR).
1346. *Anomala tristis* Arrow  
Distribution : Darjiling.
1347. *Anomala aegrota* Arrow  
Distribution : Darjiling.
1348. *Anomala macrophylla* (Wiedemann)  
Distribution : Maldah.
1349. *Anomala propinqua* Arrow  
Distribution : Darjiling.
1350. *Anomala anthracina* Arrow  
Distribution : Darjiling (Darjiling, Kurseong).
1351. *Anomala marginipennis* Arrow  
Distribution : Darjiling (Kalimpong, Lord Carmichael, Pashok).
1352. *Anomala viridilatera* Arrow  
Distribution : Darjiling.
1353. *Anomala siliguria* Arrow  
Distribution : Darjiling (Siliguri, Darjiling).
1354. *Anomala angusta* Arrow  
Distribution : Darjiling (Darjiling, Lord Carmichael).
1355. *Anomala variegata* Hope  
Distribution : Darjiling (Kalimpong), Jalpaiguri (BTR).
1356. *Anomala comma* Arrow  
Distribution : Darjiling.
1357. *Anomala cinderella* Arrow  
Distribution : Darjiling.
1358. *Anomala fulviveritris* (Blanchard)  
Distribution : Darjiling (Pashok).
1359. *Anomala signaticollis* Nonfried  
Distribution : Darjiling (Kalimpong, Darjiling).
1360. *Anomala galerucina* Arrow  
Distribution : Darjiling (Kalimpong).
1361. *Anomala agilis* Arrow  
Distribution : Darjiling (Pashok, Kurseong).
1362. *Anomala bella* Arrow  
Distribution : Darjiling.
1363. *Anomala flavofasciata* Arrow  
Distribution : Darjiling (Kurseong).
1364. *Anomala flaviventris* Arrow  
Distribution : Darjiling (Pashok, Siliguri, Kurseong).
1365. *Anomala flavopicta* Arrow  
Distribution : Darjiling (Kurseong, Darjiling, Lord Carmichael).
1366. *Anomala flavonotata* Arrow  
Distribution : Darjiling (Kurseong, Darjiling, Lord Carmichael, Siliguri).
1367. *Anomala lineatopennis* Blanchard  
Distribution : Darjiling (Kalimpong).
1368. *Anomala protea* Arrow  
Distribution : Darjiling (Kalimpong).
1369. *Anomala cantori* (Hope)  
Distribution : Darjiling (Kurseong) and Jalpaiguri (Rajabhatkhawa).
1370. *Anomala xanthoptera* Blanchard  
Distribution : Darjiling (Pashok).

1371. *Anomala perplexa* (Hope)  
Distribution : Darjiling (Kurseong, Darjiling).
1372. *Anomala dimidiata* (Hope)  
Distribution : Darjiling (Naxalbari, Darjiling).
1373. *Anomala rufiventris* Redtenbacher  
Distribution : Darjiling (Kurseong, Gopaldhara, Darjiling) and Jalpaiguri (BTR).
1374. *Anomala auronitens* (Hope)  
Distribution : Darjiling (Ghoom, Kurseong, Lebung, Darjiling).
1375. *Anomala pterygophora* (Ohaus)  
Distribution : Darjiling (Kurseong, Ghoom, Darjiling, Siliguri, Ghoombhanjang).
1376. *Anomala stoliezkae* (Sharp)  
Distribution : Darjiling.
1377. *Anomala tumidicauda* (Arrow)  
Distribution : Darjiling (Lebung).
1378. *Anomala festiva* Arrow  
Distribution : Darjiling.
1379. *Anomala erythroptera* (Kraatz)  
Distribution : Darjiling (Mangpu, Kalimpong, Kurseong, Sureil).
1380. *Anomala pussila* Arrow  
Distribution : Darjiling (Darjiling, Kurseong, Mangpu, Sureil, Darjiling, Lord Carmichael, Ghoom).
1381. *Anomala lateralis* Hope  
Distribution : Darjiling (Sureil, Darjiling, Lord Carmichael, Kurseong, Ghoom).
1382. *Anomala transversa* Burmeister  
Distribution : Darjiling (Mangpu).
1383. *Anomala elata* (Fabricius)  
Distribution : Darjiling (Mangpu).
1384. *Anomala bilunata* Fairmaire  
Distribution : Darjiling (Pashok), Jalpaiguri (BTR).
1385. *Anomala clerica* Arrow  
Distribution : Darjiling (Pashok).
1386. *Anomala anchoralis* Lansle.  
Distribution : Darjiling (Pashok).
1387. *Anomala beharensis* Arrow  
Distribution : Darjiling (Pashok).
1388. *Anomala bimana* (Heller)  
Distribution : Darjiling (Pashok).
1389. *Anomala blanchardi* Arrow  
Distribution : Darjiling (Pashok).
1390. *Anomala tincticeps* Arrow  
Distribution : Darjiling (Pashok).
1391. *Anomala trochanterica* Arrow  
Distribution : Darjiling (Pashok).
1392. *Anomala varicolor* (Gyllenthal)  
Distribution : Darjiling (Pashok).
1393. *Anomala varivestris* Arrow  
Distribution : Darjiling (Pashok).
1394. *Mimela* sp.  
Distribution : Darjiling (Pashok).
1395. *Adorrhinyptia dorsalis* (Burmeister)  
Distribution : Darjiling (Naxalbari, Kurseong) and Jalpaiguri (Rajabhatkhawa).
1396. *Adorrhinyptia ruficollis* (Kraatz)  
Distribution : Kolkata, Darjiling (Naxalbari) and Jalpaiguri (Rajabhatkhawa).
1397. *Adoretus ariel* Arrow  
Distribution : Jalpaiguri (BTR).
1398. *Adoretus boops* Arrow  
Distribution : Jalpaiguri (BTR).
1399. *Adoretus lemniscus* Arrow  
Distribution : Jalpaiguri (BTR).
1400. *Adoretus minutus* Brenske  
Distribution : Jalpaiguri (BTR).
1401. *Adoretus nasutus* Arrow  
Distribution : Jalpaiguri (BTR).
1402. *Adoretus sulcipennis* Gastro  
Distribution : Jalpaiguri (BTR).
1403. *Adoretus excisus* Ohaus  
Distribution : Kolkata.
1404. *Adoretus limbatus* Blanchard  
Distribution : Kolkata, Maldah.

1405. *Adoretus bombinator* Burmeister  
Distribution : Jalpaiguri (Jaldapara).
1406. *Adoretus ermineus*  
Distribution : Jalpaiguri (BTR).
1407. *Adoretus lacustris* Arrow  
Distribution : Jalpaiguri (BTR).
1408. *Adoretus minutus*  
Distribution : Jalpaiguri (BTR).
1409. *Adoretus bicaudatus* Arrow  
Distribution : Kolkata, Jalpaiguri (BTR) and South 24 Pgs.
1410. *Adoretus lacustris* Arrow  
Distribution : Kolkata (Saltlake), Jalpaiguri (BTR) and South 24 Pgs. (Sunderban).
1411. *Adoretus flavus* Arrow  
Distribution : Kolkata (Saltlake), South 24 Pgs. (Sunderban) and Jalpaiguri (BTR).
1412. *Adoretus fraterculus* Arrow  
Distribution : Jalpaiguri (Rajabhatkhawa).
1413. *Adoretus gemmifer* Arrow  
Distribution : South 24 Pgs.
1414. *Adoretus costopilosus* Ohaus  
Distribution : Darjiling.
1415. *Adoretus serratipes* Arrow  
Distribution : Kolkata (Behala) and Jalpaiguri (BTR).
1416. *Adoretus bimarginatus* Ohaus  
Distribution : Darjiling.
1417. *Adoretus testaceus* (Hope)  
Distribution : Darjiling (Kurseong) and Jalpaiguri (BTR).
1418. *Adoretus nephriticus* (Ohaus)  
Distribution : Jalpaiguri (Rajabhatkhawa).
1419. *Adoretus posticalis* Arrow  
Distribution : Darjiling (Naxalbari).
1420. *Adoretus lasius* Ohaus  
Distribution : Darjiling.
1421. *Adoretus duvauceli* Blanchard  
Distribution : Kolkata (Indian Museum compound).
1422. *Adoretus bicolor* Brenske  
Distribution : Kolkata and Darjiling.
1423. *Adoretus lasiopygus* Burmeister  
Distribution : Kolkata and Darjiling.
1424. *Adoretus varsutus* Harold  
Distribution : Kolkata, Murshidabad, South 24 Pgs. and Jalpaiguri (BTR).
1425. *Adoretus caliginosus* Burmeister  
Distribution : Kolkata and Darjiling.
1426. *Adoretus bengalensis* Brenske  
Distribution : Jalpaiguri (Rajabhatkhawa).
- Subfamily EUCHIRINAE
1427. *Propomacrus macleayi* (Hope)  
Distribution : Darjiling.
1428. *Propomacrus parryi* (Gray)  
Distribution : Darjiling.
- Subfamily LUCANIDAE
1429. *Dorcus boileaui*  
Distribution : Jalpaiguri (BTR).
1430. *Dorcus candezei*  
Distribution : Jalpaiguri (BTR).
- Subfamily PASSALIDAE
1431. *Leptaulax dentatus*  
Distribution : Jalpaiguri (BTR).
- Superfamily CURCULIONOIDEA
- Family CURCULIONIDAE
- Subfamily BRACHYDERINAE
1432. *Astycus chrysochlorus* Wied  
Distribution : Jalpaiguri (BTR).
1433. *Astycus lateralis* Fabricius  
Distribution : Jalpaiguri (BTR).
1434. *Blosyrus oniscus* Oliver  
Distribution : Jalpaiguri (BTR).
1435. *Hypomeces squamosus* Fabricius  
Distribution : Jalpaiguri (BTR).
1436. *Scepticus kashmirensis* Marshall  
Distribution : Jalpaiguri (BTR).
1437. *Scepticus nubifer* Faust  
Distribution : Jalpaiguri (BTR).

1438. *Tanymecus longulus* Fahraeus  
Distribution : Jalpaiguri (BTR).  
Subfamily EREMNIINAE
1439. *Cnaphoscapus decoratus* (Faust)  
Distribution : Jalpaiguri (BTR).  
Subfamily OTIORRHYNCHINAE
1440. *Millocerus discolor* Boheman  
Distribution : Jalpaiguri (BTR).
1441. *Millocerus spectator* Marshall  
Distribution : Jalpaiguri (BTR).  
Family SCOLYTIDAE  
Subfamily HYLESININAE
1442. *Hylesinus despectus* Walker  
Distribution : Darjiling (Samsingh).
1443. *Xylechinus darjilingensis* Schedl  
Distribution : Darjiling.
1444. *Hyorrhynchus blanbordi* Sampson  
Distribution : Darjiling.
1445. *Hyorrhynchus kalimpongensis*  
Maiti & Saha  
Distribution : Darjiling (Samsingh).
1446. *Hyorrhynchus sensarmai* Maiti & Saha  
Distribution : Darjiling (Debrepani, Ranigrom, Rambhi).
1447. *Hyorrhynchus shiva* Maiti & Saha  
Distribution : Darjiling (Samsingh).
1448. *Sueus niisima* (Eggers)  
Distribution : Darjiling (Samsingh).
1449. *Diamerus curvifer* (Walker)  
Distribution : Darjiling (Bagdogra), Jalpaiguri.
1450. *Diamerus fici* Blandfordi  
Distribution : Darjiling.
1451. *Diamerus nigrosetosus* Eggers  
Distribution : Darjiling (Teesta valley).
1452. *Diamerus striatus* Eggers  
Distribution : Darjiling (Samsingh).
1453. *Sphaerotrypes globulus* Blandford  
Distribution : Kolkata (Maniktala) and Jalpaiguri.
1454. *Sphaerotrypes siwalikensis*  
Stebbing  
Distribution : Jalpaiguri (Rajabhatkhawa, Tondu, Teesta).
1455. *Phloeocranus bruchoides* Schedl  
Distribution : Darjiling (Bagdogra).  
Subfamily SCOLYTINAE
1456. *Scolytoplatypus darjeelingi*  
Stebbing  
Distribution : Darjiling (Debrepani, Lepchajagat, Ghoom, Senchal, Rangiroom).
1457. *Scolytoplatypus eutomoides*  
Blandford  
Distribution : Darjiling (Sukna, Khuntimari).
1458. *Scolytoplatypus minimus*  
Hagedorn  
Distribution : Darjiling (Samsingh).
1459. *Scolytoplatypus nitidicollis* Eggers  
Distribution : Darjiling.
1460. *Scolytoplatypus pubescens*  
Hagedorn  
Distribution : Darjiling (Lopchu, Ranigroom, Sivakhola).
1461. *Scolytoplatypus raja* Blandford  
Distribution : Darjiling (Debrepani, Lepchajagat, Ranigroom, Rambhi, Sivakhola).
1462. *Eulepiops (= Dryocoetes) coffeae*  
(Eggers)  
Distribution : Darjiling (Teesta valley).
1463. *Coccotrypes advena* Blandford  
Distribution : Darjiling (Samsingh, Bagdogra, Teesta Valley).
1464. *Coccotrypes brevipilosus* (Beeson)  
Distribution : Darjiling (Rangiroom, Senchal).
1465. *Coccotrypes carpophgus*  
(Hornung)  
Distribution : Kolkata (Naktala, Jadavpur) and Darjiling (Jaldhaka range, Samsing).
1466. *Coccotrypes cyperi* (Beeson)  
Distribution : Darjiling (Samsingh, Bagdogra) and Jalpaiguri (Gazalduba).

1467. *Coccotrypes himalayansis* (Beeson)  
*Distribution* : Darjiling (Rangiroom, Senchal, Lopchu).
1468. *Coccotrypes longior* (Eggers)  
*Distribution* : Darjiling (Samsingh).
1469. *Coccotrypes opaciforms* (Beeson)  
*Distribution* : Darjiling (Samsingh) and Jalpaiguri (Buxa T.R).
1470. *Coccotrypes parvus* (Beeson)  
*Distribution* : Darjiling (Samsingh).
1471. *Coccotrypes papuanus* (Eggers)  
*Distribution* : Darjiling (Samsingh, Bagdogra).
1472. *Coccotrypes vulgaris* (Beeson)  
*Distribution* : Darjiling (Samsing).
1473. *Acanthotomicus perexiguus* (Blandford)  
*Distribution* : Darjiling (Lopchu).
1474. *Indocryphalus intermedius* (Sampson)  
*Distribution* : Darjiling (Rochela, Lava, Rangirom, Rambhi, Debrepani).
1475. *Cryphalus neglectus* Schedl  
*Distribution* : South 24 Pgs. (Sundarban).
1476. *Cryphalus strohemeyeri* Stebbing  
*Distribution* : Darjiling (Sandhakphu).
1477. *Cosmoderes monillicolis* Eichhoff  
*Distribution* : Darjiling (Samsingh) and Jalpaiguri (Gazalduba).
1478. *Hypothenemus areccae* (Hornung)  
*Distribution* : Kolkata, Jalpaiguri (Harinbari).
1479. *Hypothenemus eruditus* Westwood  
*Distribution* : Darjiling (Bagdogra, Teesta Valley, Samsingh).
1480. *Hypothenemus uniseriatus* (Eggers)  
*Distribution* : Darjiling (Teesta valley), Jalpaiguri.
1481. *Scolytogenes aspericollis* (Eichhoff)  
*Distribution* : Darjiling (Samsingh).
1482. *Scolytogenes punctatus* (Schedl)  
*Distribution* : Darjiling.
1483. *Amasa eugeniae* (Eggers)  
*Distribution* : Darjiling (Samsingh, Sukna).
1484. *Amasa schlichii* (Stebbing)  
*Distribution* : Darjiling (Bagdogra) and Jalpaiguri (Apalchand Range).
1485. *Ambrosiodmus minor* (Stebbing)  
*Distribution* : Jalpaiguri (B.T.R., Rajabhatkhawa, Khuntimari).
1486. *Ambrosiodmus asperatus* (Blandford)  
*Distribution* : Darjiling (Teesta Valley).
1487. *Ambrosiodmus lewisi* (Blandford)  
*Distribution* : Darjiling (Samsingh).
1488. *Ambrosiodmus subsimilis* (Eggers)  
*Distribution* : Darjiling (Samsingh).
1489. *Arixyleborus malayansis* (Schedl)  
*Distribution* : Darjiling (Bagdogra) and Jalpaiguri.
1490. *Arixyleborus moestus* (Eggers)  
*Distribution* : Darjiling (Debrepani).
1491. *Cnestus biocronoides* (Schedl)  
*Distribution* : Darjiling (Samsingh).
1492. *Coptoborus shorea* (Stebbing)  
*Distribution* : Darjiling (, Kurseong, Teesta valley, Lopchu, Samsing) and Jalpaiguri (Aplachand range, B.T.R.).
1493. *Coptoborus pumilus* (Eggers)  
*Distribution* : Darjiling (Sukna).
1494. *Cryptoxyleborus turbineus* (Sampson)  
*Distribution* : Jalpaiguri.
1495. *Eccoptopterus spinosus* (Olivier)  
*Distribution* : Jalpaiguri (Lepchajagat).
1496. *Euwallacea anadamenensis* (Blandford)  
*Distribution* : Darjiling (Ranigrom).



1497. *Euwallacea asperipennis* (Eggers)  
Distribution : Darjiling (Samsingh, Ranigrom, Lopchu, Senchal).
1498. *Euwallacea fornicatus* (Eichhoff)  
Distribution : Darjiling (Teesta valley, Samsingh, Nagrakata) and Nadia (Ranaghat).
1499. *Euwallacea gravellyi* (Wichhman)  
Distribution : Darjiling (Samsingh, Rangiom, Lepchajagat).
1500. *Euwallacea interjectus* (Blandford)  
Distribution : Darjiling (Samsingh, Bagdogra, Lopchu, Teesta valley).
1501. *Euwallacea lantanae* (Eggers)  
Distribution : Darjiling (Lopchu, Samsingh, Bagdogra) and Jalpaiguri (Gazalduba).
1502. *Euwallacea malloti* (Eggers)  
Distribution : Darjiling (Samsingh) and Jalpaiguri (Gazalduba).
1503. *Euwallacea noxius* (Sampson)  
Distribution : Darjiling (Kurseong, Samsingh, Mangpu)
1504. *Euwallacea rufobrunneus* var. *dihingensis* (Eggers)  
Distribution : Darjiling (Samsingh).
1505. *Euwallacea tristris* (Eggers)  
Distribution : Darjiling (Samsingh).
1506. *Euwallacea sibsagaricus* (Egger)  
Distribution : Darjiling (Samsingh).
1507. *Hadrodemius metacomans* (Eggers)  
Distribution : Darjiling (Samsingh) and Jalpaiguri (B.T.R., Gazalduba).
1508. *Hadrodemius pseudocomans* (Eggers)  
Distribution : Darjiling (Bagdogra).
1509. *Kalantaneus eggersi* (Beeson)  
Distribution : Darjiling (Rangirom, Debrepani, Lopchu, Lepchajagat).
1510. *Kalantaneus fabricii* (Hagedron)  
Distribution : Darjiling (Lava, Rangiom, Lepchajagat).
1511. *Kalantaneus hirtus* (Hagedron)  
Distribution : Darjiling (Lopchu, Rangiom, Ghoom, Debrepani).
1512. *Kalantaneus improbus* (Sampson)  
Distribution : Darjiling (Senchal, Lepchajagat).
1513. *Kalantaneus inarmatus* (Eggers)  
Distribution : Darjiling (Lopchu).
1514. *Kalantaneus lineatus* (Eggers)  
Distribution : Darjiling (Senchal, Lopchu).
1515. *Leptoxyleborus concisus* (Blandford)  
Distribution : Darjiling (Samsingh).
1516. *Microperus alpha* (Sampson)  
Distribution : Jalpaiguri, South 24 Pgs.
1517. *Microperus chrysophylli* (Eggers)  
Distribution : Darjiling (Samsingh).
1518. *Microperus concinnus* (Beeson)  
Distribution : Jalpaiguri (Nagrakata).
1519. *Microperus elegans* (Sampson)  
Distribution : Jalpaiguri (B.T.R.).
1520. *Microperus mus* (Eggers)  
Distribution : Darjiling (Samsingh).
1521. *Microperus perparvus* (Sampson)  
Distribution : Darjiling (Sukna, Bagdogra) and Jalpaiguri (Rajabhatkhawa, Tondu).
1522. *Microperus recidens* Sampson  
Distribution : Jalpaiguri (Khariarbanda, Raidak, Apalchand range).
1523. *Microperus undulatus* Sampson  
Distribution : Jalpaiguri (Rajabhatkhawa, Garumara).
1524. *Notoxyleborus major* (Stebbing)  
Distribution : Jalpaiguri (Tondu range, Mahabari, B.T.R., Rajabhatkhawa).
1525. *Xyleborinus andrewesi* (Blandford)  
Distribution : Darjiling (Sukna) and Jalpaiguri (Gazalduba, Garumara, Apalchand, Khuntimari, B.T.R.).
1526. *Xyleborinus artestriatus* (Eichhoff)  
Distribution : Jalpaiguri (Khariarbanda) and South 24 Pgs. (Sunderban).

1527. *Xyleborinus saxeseni* (Ratzeburg)  
*Distribution* : Darjiling (Lepchajagat, Rangiom).
1528. *Xyleborinus subspinosus* (Eggers)  
*Distribution* : Darjiling (Lepchajagat, Lopchu, Samsingh).
1529. *Xyleborinus subgranulatus* (Eggers)  
*Distribution* : Darjiling (Lepchajagat, Lopchu, Samsingh).
1530. *Xyleborus bicolor* Blandford  
*Distribution* : Darjiling (Samsingh, Lataguri, Mangpu), Jalpaiguri (Tondu range) and South 24 Pgs. (Sunderban).
1531. *Xyleborus bidentatus* (Motschulsky)  
*Distribution* : South 24 Pgs. (Sunderban).
1532. *Xyleborus cognatus* Blandford  
*Distribution* : South 24 Pgs. (Sunderban).
1533. *Xyleborus glabratus* Eichhoff  
*Distribution* : Darjiling (Lopchu, Samsingh).
1534. *Xyleborus geminatus* Hagedron  
*Distribution* : Darjiling.
1535. *Xyleborus corpulentus* Eggers  
*Distribution* : Darjiling (Samsingh, Sukna).
1536. *Xyleborus haberkorni* Eggers  
*Distribution* : Darjiling (Samsingh).
1537. *Xyleborus mucronatulus* Eggers  
*Distribution* : Darjiling (Kalimpong).
1538. *Xyleborus perforans* (Wollaston)  
*Distribution* : Kolkata (Maniktala, Jadavpur) and Jalpaiguri (Dahura, Apalchand range, Lataguri).
1539. *Xyleborus piceus* (Motschulsky)  
*Distribution* : Darjiling (Kurseong, Samsingh).
1540. *Xyleborus similis* Ferrari  
*Distribution* : Kolkata (Maniktala), Darjiling (Sukna, Samsingh) and Jalpaiguri (Apalchand range, Lataguri, Gazalduba).
1541. *Xyleborus speciosus* Schedl  
*Distribution* : Darjiling.
1542. *Xylosandrus crassiusculus* (Motschulsky)  
*Distribution* : Darjiling (Samsingh, Bagdogra, Teesta valley, Sukna) and Jalpaiguri (Gazalduba).
1543. *Xylosandrus difficilis* (Eggers)  
*Distribution* : Darjiling (Lopchu, Samsingh, Senchal, Rangiom).
1544. *Xylosandrus discolor* (Blandford)  
*Distribution* : Darjiling (Samsingh).
1545. *Xylosandrus gravidus* (Blandford)  
*Distribution* : Darjiling (Pashok, Samsingh).
1546. *Xylosandrus mesuae* (Eggers)  
*Distribution* : Darjiling (Kalimpong).
1547. *Xylosandrus morigerus* (Blandford)  
*Distribution* : Darjiling (Teesta valley, Samsingh).
1548. *Xylosandrus ursinus* (Hagedorn)  
*Distribution* : Darjiling (Samsingh).
- Family ENDOMYCHIDAE
1549. *Amphistemus phyllocerus* Arrow  
*Distribution* : Jalpaiguri (BTR).
1550. *Indalmus kirbyanus* Latr.  
*Distribution* : Jalpaiguri (BTR).
1551. *Spathomeles decoratus* Gerst.  
*Distribution* : Jalpaiguri (BTR).
- Family EROTYLIDAE
1552. *Amblyopus cinctipennis* Lacord.  
*Distribution* : Jalpaiguri (BTR).
1553. *Episcapha quadrimacula* (Wied.)  
*Distribution* : Jalpaiguri (BTR).
- Family LUCANIDAE
1554. *Dorcus boileaui* (Bid.)  
*Distribution* : Jalpaiguri (BTR).
1555. *Dorcus candezei* (Boil.)  
*Distribution* : Jalpaiguri (BTR).

## Family COPRINI

1556. *Catharsius birmanensis* Lansb.

*Distribution* : Jalpaiguri (BTR).

1557. *Catharsius malossus* L.

*Distribution* : Jalpaiguri (BTR).

1558. *Copris magicus* Har.

*Distribution* : Jalpaiguri (BTR).

1559. *Onitis castaneus* Redt.

*Distribution* : Jalpaiguri (BTR).

1560. *Onitis virens* Lansb.

*Distribution* : Jalpaiguri (BTR).

1561. *Onthophagus armatus* Bl.

*Distribution* : Jalpaiguri (BTR).

1562. *Onthophagus bison* Bouc.

*Distribution* : Jalpaiguri (BTR).

1563. *Onthophagus bonasus* (F.)

*Distribution* : Jalpaiguri (BTR).

1564. *Onthepagus dama* (F.)

*Distribution* : Jalpaiguri (BTR).

1565. *Onthophagus falcifer* Har.

*Distribution* : Jalpaiguri (BTR).

1566. *Onthophagus mopsus* (F.)

*Distribution* : Jalpaiguri (BTR).

1567. *Onthophagus orientalis* Har.

*Distribution* : Jalpaiguri (BTR).

1568. *Onthophagus tragus* (F.)

*Distribution* : Jalpaiguri (BTR).

1569. *Onthophagus triceratops* Arrow

*Distribution* : Jalpaiguri (BTR).

1570. *Gymnopleurus sinuatus*  
*assamensis* (oliv.)

*Distribution* : Jalpaiguri (BTR).

**INSECTA : SIPHONOPTERA**

Phylum ARTHROPODA  
 Class INSECTA  
 Order SIPHONAPTERA  
 Family PULICIDAE

1. ***Echidnophaga gallinacea*** (Westwood)

*Distribution* : Dist. not known.

2. ***Echidnophaga liopus*** Jordan & Rothschild

*Distribution* : Dist. not known.

3. ***Pulex irritans*** Linnaeus

*Distribution* : Dist. not known.

4. ***Ctenocephalides canis*** (Curtis)

*Distribution* : Dist. not known.

5. ***Ctenocephalides felis*** (Bouche)

*Distribution* : Dist. not known.

6. ***Ctenocephalides orientis*** (Jordan)

*Distribution* : Dist. not known.

7. ***Pariodontis riggenbachi*** (Rothschild)

*Distribution* : Dist. not known.

8. ***Synosternus pallidus*** (taschenberg)

*Distribution* : Dist. not known.

9. ***Xenopsylla astia*** Rothschild

*Distribution* : Dist. not known.

10. ***Xenopsylla brasiliensis*** (Baker)

*Distribution* : Dist. not known.

11. ***Xenopsylla Cheopis*** (Rothschild)

*Distribution* : Dist. not known.

Family STIVALIIDAE

12. ***Lentistivalius ferinus*** (Rothschild)

*Distribution* : Dist. not known.

Family CERATO PHYLLIDAE

13. ***Macrostylophora phillipsi*** (Jordan)

*Distribution* : Dist. not known.

## INSECTA : STREPSIPTERA

Family CERIOXENIDAE

1. *Dunoxenos kinzelbachi* Carvalha

*Distribution* : Barddhaman.

2. *Triozocera pugiopenis*

Chaudhuri & Dasgupta

*Distribution* : Barddhaman, Maldah and Nadia.

3. *Elenchus japonica*

Esaki & Hashimoto

*Distribution* : Barddhaman.

Family HALICTOPHAGIDAE

4. *Halictophagus acerbus*

Chaudhuri & Saha

*Distribution* : Barddhaman.

5. *Halictophagus australensis* Perkins

*Distribution* : Barddhaman, Maldah and Nadia.

6. *Halictophagus tenebrosus*

Chaudhuri, Ghosh & Dasgupta

*Distribution* : Barddhaman.

7. *Tridactylophagus aduncus*

Chaudhuri & Saha

*Distribution* : Barddhaman.

8. *Tridactylophagus cainatus*

Chaudhuri & Saha

*Distribution* : Barddhaman and Kolkata.

9. *Tridactylophagus kifunei*

(Chaudhuri & Dasgupta)

*Distribution* : Barddhaman and North 24 Pgs.

10. *Tridactylophagus maculatus*

Chaudhuri, Ghosh & Dasgupta

*Distribution* : Barddhaman and Hugli.

11. *Tridactylophagus orbipes*

Chaudhuri & Saha

*Distribution* : Maldah.

12. *Lychnocolax similes*

Chaudhuri, Ghosh & Dasgupta

*Distribution* : Barddhaman.

13. *Myrmecolax pierci*

(Chatterjee & Chaudhuri)

*Distribution* : Barddhaman.

14. *Myrmecolax plantipes*

(Chaudhuri, Dasgupta & Chatterjee)

*Distribution* : Maldah.

## INSECTA : DIPTERA

- Phylum ARTHROPODA  
 Class INSECTA  
 Order DIPTERA  
 Family TIPULIDAE  
 Subfamily TIPULINAE
1. ***Ctenophora (Pselliophora) laeta*** (Fabricius)  
*Distribution* : Kolkata and Puruliya.
2. ***Holorusia ornatithorax*** (Brunetti)  
*Distribution* : Darjiling (Mirik).
3. ***Tipula (Acutipula) subvernalis*** Alexander  
*Distribution* : Darjiling (Sukhiapokhri).
4. ***Tipula (Vestiplex) himalayensis*** Brunetti  
*Distribution* : Darjiling (Mirik).  
 Family LIMONIIDAE
5. ***Pseudolimnophila pallidicoxa*** Brunetti  
*Distribution* : Darjiling (Mirik).
6. ***Conosia irrorata*** (Wiedemann)  
*Distribution* : Kolkata, Darjiling and South 24 Pgs. (Hatbaria).
7. ***Styringomyia ceylonica*** Edwards  
*Distribution* : Kolkata and Darjiling.
8. ***Trentepohlia (Trentepohlia) nigroapiacalis*** (Brunetti)  
*Distribution* : Kolkata.
9. ***Trentepohlia (Trentepohlia) trentepohlii***  
*Distribution* : South 24 Pgs. (Hatbaria).  
 Family PSYCHODIDAE  
 Subfamily PSYCHODINAE
10. ***Brunettia albonotata*** (Brunetti)  
*Distribution* : Kolkata and North 24 Pgs. (Haridevpur).
11. ***Psychoda albopicta*** Brunetti  
*Distribution* : North 24 Pgs. (Haridevpur).
- Family BIBIONIDAE  
 Subfamily PLECIINAE
12. ***Penthetria japonica*** Wiedemann  
*Distribution* : Darjiling (Sukhiapokhri, Mirik).
- Family STRATIOMYIDAE  
 Subfamily SARGINAE
13. ***Chloromyia sapphirina*** (Walker)  
*Distribution* : Jalpaiguri (Jainti, Buxa Tiger Reserve).
14. ***Ptecticus australis*** Schiner  
*Distribution* : Darjiling (Andheri khola) and Maldah (Nalagola).  
 Subfamily STRATIOMYINAE
15. ***Odontomyia dorsoangulata*** Brunetti  
*Distribution* : Kolkata, Maldah (Nalagola) and North 24 Pgs.
16. ***Odontomyia lutatius*** Walker  
*Distribution* : Kolkata (Eden Gardens) and Darjiling.
17. ***Odontomyia transversa*** Brunetti  
*Distribution* : Medinipur (Haldia).
18. ***Oplodontha minuta*** (Fabricius)  
*Distribution* : Kolkata, Haora (Bally) and Puruliya (Ajodhya Hill).
19. ***Oplodontha rubrithorax*** (Macquart)  
*Distribution* : Barddhaman, Kolkata, Murshidabad (Dhulian), Nadia (Palpara) and North 24 Pgs.  
 Subfamily CLITELLARIINAE
20. ***Adoxomyia heminopla*** (Wiedemann)  
*Distribution* : North 24 Pgs. (Barrackpore).  
 Family TABANIDAE  
 Subfamily CHRYSOPSINAE
21. ***Chrysops dispar*** (Fabricius)  
*Distribution* : Bankura (Simlapal) and Koch Bihar (Mathabhanga).

22. *Atylotus virgo* (Wiedemann)  
*Distribution* : Kolkata and Puruliya (Sardardi).
23. *Haematopota javana* Wiedemann  
*Distribution* : Kolkata, Jalpaiguri (Chilapata-Mendabari) and North 24 Pgs.  
 Family BOMBYLIIDAE  
 Subfamily EXOPROSOPINAE
24. *Heterolania (Isolamia) insulate* (Walker)  
*Distribution* : Bankura (Bishnupur Susunia) and Puruliya (Sardardi, Garh Dhrubeswar).
25. *Heterolania (Homolania) lateralis* (Brunetti)  
*Distribution* : Bankura (Bishnupur), Kolkata and Puruliya (Sardardi).
26. *Ligyra aurantiaca* (Guerin-Meneville)  
*Distribution* : Bankura (Bishnupur).
27. *Ligyra oenomaus* (Rondani)  
*Distribution* : Bankura (Bishnupur), Darjiling and Medinipur (Salboni).
28. *Ligyra semifuscata* (Brunetti)  
*Distribution* : Bankura (Bishnupur).  
 Family SYRPHIDAE  
 Subfamily SYRPHINAE
29. *Allograpta javana* (Wiedemann)  
*Distribution* : Darjiling (Mirik) and Nadia (Dhubulia).
30. *Asarkina (Asarkina) ericetorum* (Fabricius)  
*Distribution* : Bankura (Bishnupur, Kumardanga) and Jalpaiguri (Buxa).
31. *Dideopsis aegrota* (Fabricius)  
*Distribution* : Bankura.
32. *Episyrphus balteatus* (De Geer)  
*Distribution* : Barddhaman (Ketugram, Dhatrigram), Darjiling (Lepchajagat, Mirik), Jalpaiguri (Buxa Tiger reserve) and Nadia (Dhubulia, Nakasipara, Karimpur, Palpara).
33. *Ischiodon scutellaris* (Fabricius)  
*Distribution* : Nadia (Baliura, Phulia, Palpara).
34. *Metasyrphus (Metasyrphus) corollae* (Fabricius)  
*Distribution* : Darjiling (Sukhiapokhri).
35. *Sphaerophoria indiana* Bigot  
*Distribution* : Darjiling (Mirik).
36. *Sphaerophoria viridaenea* (Brunetti)  
*Distribution* : Darjiling (Botanical Garden).
37. *Melanostoma orientale* (Wiedemann)  
*Distribution* : Barddhaman (Ketugram), Darjiling (Mirik), Jalpaiguri (Buxa Tiger Reserve) and Nadia (Karimpur).
38. *Paragus (Paragus) serratus* (Fabricius)  
*Distribution* : Kolkata (SaltLake), Darjiling, Nadia (Dhubulia) and Puruliya (Ajodhya Hills, Garh Dhrubeswar).
39. *Paragus (Pandasyophthalmus) atratus* de Meijere  
*Distribution* : Jalpaiguri (Buxa Tiger Reserve).  
 Subfamily MILESIINAE
40. *Eumerus aeneithorax* Brunetti  
*Distribution* : Darjiling (Kalimpong).
41. *Eristalinus (Eristalinus) arvorum* (Fabricius)  
*Distribution* : Bankura (Bishnupur), Darjiling (Andheri khola), Medinipur (Salboni, Belpahari) and Puruliya (Balarampur).
42. *Eristalinus (Eristalinus) obliquus* (Wiedemann)  
*Distribution* : Barddhaman (Ukhra), Kolkata and North 24 Pgs.
43. *Eristalinus (Eristalinus) obscuritarsis* de Meijere  
*Distribution* : Bankura (Bishnupur), Medinipur (Haldia, Jhargram, Salboni) and Puruliya (Ajodhya Hills, Garh Dhrubeswar).

44. ***Eristalinus (Eristalinus) quinquestriatus*** (Fabricius)  
*Distribution* : Kolkata and Darjiling (Tindharia).
45. ***Eristalinus (Eristalodes) taeniops*** (Weidemann)  
*Distribution* : Jalpaiguri (Buxa Tiger Reserve),).
46. ***Eristalinus (Merodonoides) multifarius*** (Walker)  
*Distribution* : Darjiling (Andheri khola).
47. ***Eristalis (Eristalis) tenax*** (Linnaeus)  
*Distribution* : Darjiling (Botanical Garden, Tindharia, Mirik, Sukhia pokhri).
48. ***Eristalis (Eoseristalis) arbustorum*** (Linnaeus)  
*Distribution* : Darjiling (Mirik, Botanical Garden).
49. ***Eristalis (Eoseristalis) cerealis*** Fabricius  
*Distribution* : Darjiling (Mirik, Botanical Garden).
50. ***Eristalis polychromata*** Brunetti  
*Distribution* : Kolkata and Nadia (Palpara).
51. ***Mesembrius bengalensis*** (Weidemann)  
*Distribution* : Kolkata and Medinipur (Salboni).
52. ***Mesembrius quadrivittatus*** (Weidemann)  
*Distribution* : Kolkata (SaltLake), Darjiling, Nadia (Kalyani) and North 24 Pgs.
53. ***Phytomia (Phytomia) errans*** (Fabricius)  
*Distribution* : Bankura (Bishnupur), Darjiling, Medinipur (Belpahari) and Puruliya (Ajodhya Hill).
54. ***Phytomia (Dolichomerus) crassa*** (Fabricius)  
*Distribution* : Bankura (Bishnupur) and Darjiling.
55. ***Syritta indica*** (Weidemann)  
*Distribution* : Barddhaman (Ketugram), Kolkata, North 24 Pgs. and Puruliya (Garh Dhrubeswar).
56. ***Syritta orientalis*** Macquart  
*Distribution* : Kolkata, Darjiling, Medinipur (Salboni) and North 24 Pgs.
57. ***Chalcosyrphus (Syrittosylota) annulatus*** (Brunetti)  
*Distribution* : Darjiling (Andheri khola).  
Family MICROPEZIDAE  
Subfamily TAENIAPTERINAE
58. ***Mimegralla albimana*** (Doleschall)  
*Distribution* : North 24 Pgs. (Barrackpore).  
Family ULIDIDAE  
Subfamily ULIDINAE
59. ***Physiphora aenea*** (Fabricius)  
*Distribution* : Maldah (Bhaluk Station).  
Family SCIOMYZIDAE  
Subfamily SCIOMYZINAE
60. ***Sepedon ferruginosa*** Weidemann  
*Distribution* : Murshidabad (Dhulian).  
Family SEPSIDAE  
Subfamily SEPSINAE
61. ***Australosepsis niveipennis*** (Becker)  
*Distribution* : Barddhaman, Birbhum, Kolkata, Jalpaiguri and Maldah (Golapganj).
62. ***Dicranosepsis bicolor*** (Weidemann)  
*Distribution* : Kolkata and Darjiling (Rangpo).
63. ***Sepsis himalayensis*** Brunetti  
*Distribution* : Darjiling (Sonada).
64. ***Sepsis nitens*** Wiedemann  
*Distribution* : Kolkata, Darjiling and Maldah (Golapganj).
65. ***Saltella setigera*** Brunetti  
*Distribution* : Kolkata and Maldah (Golapganj).
66. ***Decachaetophora aeneipes*** (de Meijere)  
*Distribution* : Darjiling (Lava).



- Family CHLOROPIDAE  
Subfamily CHLOROPINAE
67. ***Pachylophus rufescens*** (de Meijere)  
*Distribution* : Haora (Bally).  
Family EPHYDRIDAE  
Subfamily PSILOPINAE
68. ***Psilopa pollinosa*** (Kertész)  
*Distribution* : Kolkata (Eden Gardens), Hugli (Bandel) and North 24 Pgs. (Birati).  
Subfamily NOTIPHILINAE
69. ***Typopsilopa chinensis*** (Weidemann)  
*Distribution* : Kolkata (Eden Gardens), Haora (Botanical Garden) and North 24 Pgs. (Ichhapur, Basdrani).  
70. ***Paralimna concors*** Cresson  
*Distribution* : Hugli (Bhadreswar).  
71. ***Paralimna hirticornis*** de Meijere  
*Distribution* : Kolkata (Eden Gardens), Haora (Botanical Garden) and Hugli (Uttarpara).  
72. ***Paralimna lineata*** de Meijere  
*Distribution* : North 24 Pgs.  
Family HIPPOBOSCIDAE  
Subfamily ORNITHOMYINAE
73. ***Pseudolynchia canariensis*** (Macquart)  
*Distribution* : South 24 Pgs. (Jadavpur).  
Subfamily HIPPOBOSCINAE
74. ***Hippobosca variegata*** Megerle von Mühlfeld  
*Distribution* : North 24 Pgs. (Duttapukur).  
Family MUSCIDAE  
Subfamily MUSCINAE
75. ***Musca (Musca) domestica*** Linnaeus  
*Distribution* : Maldah (Nalagola).  
76. ***Musca (Philaematomyia) crassirostris*** Stein  
*Distribution* : Kolkata (Bengal Veterinary College).  
77. ***Neomyia indica*** (Robineau-Desvoidy)  
*Distribution* : Maldah (Nalagola).
78. ***Neomyia lauta*** (Weidemann)  
*Distribution* : Maldah (Nalagola).  
79. ***Neomyia timorensis*** (Robineau-Desvoidy)  
*Distribution* : Maldah (Nalagola).  
Subfamily PHAONIINAE
80. ***Atherigona (Atherigona) pulla*** (Weidemann)  
*Distribution* : Maldah (Bhaluk Station).  
Family CALLIPHORIDAE  
Subfamily CALLIPHORINAE
81. ***Bengalia torosa*** (Weidemann)  
*Distribution* : Maldah (Golapganj).  
82. ***Calliphora (Calliphora) pattoni*** Aubertin  
*Distribution* : Darjiling and Murshidabad (Dhulian).  
83. ***Hemipyrellia ligurriens*** (Weidemann)  
*Distribution* : Kolkata, North 24 Pgs. (Barasat, Rajarhat).  
84. ***Hemipyrellia pulchra*** (Weidemann)  
*Distribution* : Haora (Botanical Garden), Hugli (Kamdevpur) and South 24 Pgs. (Subhasgram, Canning).  
85. ***Lucilia papuensis*** Macquart  
*Distribution* : Haora (Botanical Garden).  
Family CHRYSOMYINAE
86. ***Chrysomya megacephala*** (Fabricius)  
*Distribution* : Darjiling (Siliguri), Haora (Bally, Botanical garden), Koch Bihar (Jainti), North 24 Pgs. (Titagarh, Barrackpore) and South 24 Pgs. (Canning).  
87. ***Chrysomya rufifacies*** (Macquart)  
*Distribution* : Darjiling and North 24 Pgs. (Barrackpore).  
Family SARCOPHAGIDAE  
Subfamily SARCOPHAGINAE
88. ***Barcaea haemorrhoidalis*** (Fallén)  
*Distribution* : Darjiling (Lebong).

89. *Parasarcophaga (Liosarcophaga) brevicornis* (Ho)  
*Distribution* : Maldah (Nalagola), North 24 Pgs. and South 24 Pgs.
90. *Parasarcophaga (Liosarcophaga) dux* Thomson  
*Distribution* : Darjiling (Lebong), Haora, Murshidabad (Dhulian) and North 24 Pgs.
91. *Parasarcophaga (Parasarcophaga) albiceps* (Meigen)  
*Distribution* : Not known.
92. *Parasarcophaga (Parasarcophaga) knabi* (Parker)  
*Distribution* : Nadia (Ranaghat).
93. *Parasarcophaga (Parasarcophaga) orchidea* (Böettcher)  
*Distribution* : Maldah (Nalagola).
94. *Iranihindia martellatoides* (Baranov)  
*Distribution* : Bankura, Kolkata, Hugli, Nadia, North 24 Pgs., Puruliya and South 24 Pgs.
95. *Seniorwhitea krameri* (Böettcher)  
*Distribution* : Hugli (Bhadreswar) and North 24 Pgs.
- Family ASILIDAE
96. *Ammophilomima rufescens* Frey  
*Distribution* : Kolkata.
97. *Euscelidia marion* (Walker)  
*Distribution* : Not known.
98. *Leptogaster basilaris* Coquillett  
*Distribution* : Not known.
99. *Leptogaster ophionea* Frey  
*Distribution* : Kolkata.
100. *Andrenosoma choprai* Bromley  
*Distribution* : Darjiling.
101. *Laphria alternans* Weidemann  
*Distribution* : Not known.
102. *Laphria furva* van der Wulp  
*Distribution* : Darjiling.
103. *Laphria gilvoides* van der Wulp  
*Distribution* : Darjiling.
104. *Laphystia indica* Joseph & Parui  
*Distribution* : Maldah (Bamangola).
105. *Laxenecera albibarbis* Macquart  
*Distribution* : Maldah (Bhaluk Station).
106. *Laxenecera bengalensis* (Weidemann)  
*Distribution* : Not known.
107. *Laxenecera flavibarbis* Macquart  
*Distribution* : Kolkata.
108. *Maira bicolor* Joseph & Parui  
*Distribution* : Darjiling (Sukna).
109. *Maira longirostrata* Bromley  
*Distribution* : Darjiling.
110. *Nusa bengalensis* Joseph & Parui  
*Distribution* : Darjiling (Khunia moor).
111. *Nusa elva* Walker  
*Distribution* : Not known.
112. *Nusa mukherjeei* Joseph & Parui  
*Distribution* : Maldah (Gangarampur, Alal).
113. *Microstylum albolimbatum* van der Wulp  
*Distribution* : Darjiling.
114. *Microstylum apicale* (Weidemann)  
*Distribution* : Darjiling (Sukna).
115. *Microstylum brunnipenne* Macquart  
*Distribution* : Darjiling (Peshok).
116. *Microstylum strigatum* Enderlein  
*Distribution* : Darjiling.
117. *Microstylum trimelas* (Walker)  
*Distribution* : Darjiling.
118. *Pegesimallus volcatus* (Walker)  
*Distribution* : Darjiling (Kalimpong) and Jalpaiguri (Garumara forest).
119. *Oldroydia scatophagoides* (Walker)  
*Distribution* : Darjiling.

120. *Stenopogon ambryon* (Walker)  
Distribution : Not known.
121. *Stenopogon damias* (Walker)  
Distribution : Not known.
122. *Stenopogon kherai* Joseph & Parui  
Distribution : Darjiling (Nakshalbari).
123. *Stenopogon nigrofasciatus* Brunetti  
Distribution : Darjiling.
124. *Damalis claripennis* Bromley  
Distribution : Darjiling.
125. *Damalis fusca* Walker  
Distribution : Darjiling.
126. *Damalis planiceps* Fabricius  
Distribution : Darjiling.
127. *Damalis prytanis* Walker  
Distribution : Not known.
128. *Stichopogon bengalensis* Joseph & Parui  
Distribution : Maldah (Parbatidanga).
129. *Stichopogon menoni* Joseph & Parui  
Distribution : Maldah (Mahananda river side).
130. *Stichopogon meridionalis* Oldroyd  
Distribution : Maldah (Parbatidanga).
131. *Stichopogon tomentosus* Oldroyd  
Distribution : Maldah (Parbatidanga).
132. *Cophinopoda chinensis* (Fabricius)  
Distribution : Darjiling (Kalimpong).
133. *Michotamia aurata* (Fabricius)  
Distribution : Maldah (Nalagola).
134. *Ommatius bengalensis* Joseph & Parui  
Distribution : Darjiling (Sukna).
135. *Ommatius carmichaeli* Bromley  
Distribution : Darjiling.
136. *Ommatius conopsoides* Wiedemann  
Distribution : Not known.
137. *Ommatius gopalpurensis* Joseph & Parui  
Distribution : North 24 Pgs. (Gopalpur).
138. *Ommatius peregrinus* (van der Wulp)  
Distribution : Darjiling.
139. *Ommatius singlensis* Oldroyd  
Distribution : Darjiling.
140. *Ommatius subgracilis* Bromley  
Distribution : Darjiling.
141. *Anacinaces rufiventris* (Macquart)  
Distribution : Not known.
142. *Asilus aurimystax* Bromley  
Distribution : Darjiling.
143. *Astochia femorata* Joseph & Parui  
Distribution : Maldah (Bamangola).
144. *Astochia guptai* Joseph & Parui  
Distribution : Kolkata (SaltLake).
145. *Astochia hindostani* (Ricardo)  
Distribution : Darjiling.
146. *Astochia jayarami* Joseph & Parui  
Distribution : Jalpaiguri (Rajalok forest).
147. *Astochia maculipes* (Walker)  
Distribution : Darjiling.
148. *Astochia philus* (Walker)  
Distribution : Darjiling.
149. *Clephydroneura bengalensis* (Macquart)  
Distribution : Darjiling.
150. *Clephydroneura duvaucelli* (Macquart)  
Distribution : Not known.
151. *Clephydroneura flavicornis* (Macquart)  
Distribution : Not known.
152. *Clephydroneura gymnura* Oldroyd  
Distribution : Not known.
153. *Heligmoneura bengalensis* Joseph & Parui  
Distribution : Darjiling.
154. *Heligmoneura chaetoprocta* Hull  
Distribution : Not known.

155. **Heligmoneura ricardo** Joseph & Parui  
Distribution : Darjiling (Lebong).
156. **Heligmoneura yepingensis**  
(Bromley)  
Distribution : Darjiling.
157. **Hoplopheromerus armatipes**  
(Macquart)  
Distribution : Not known.
158. **Machimus angularis** (Ricardo)  
Distribution : Not known.
159. **Machimus aurimystax** (Bromley)  
Distribution : Not known.
160. **Machimus bengalensis** Joseph &  
Parui  
Distribution : Darjiling.
161. **Machimus dubius** Ricardo  
Distribution : Darjiling.
162. **Machimus hirtipes** Ricardo  
Distribution : Darjiling.
163. **Machimus incisularis** (Bromley)  
Distribution : Darjiling.
164. **Machimus infrafemoralis** Bromley  
Distribution : Darjiling.
165. **Machimus pallipes** Ricardo  
Distribution : Darjiling (South Kurseong).
166. **Machimus ricardo** (Bromley).  
Distribution : Darjiling (Pedong).
167. **Machimus rufipes** Ricardo  
Distribution : Darjiling.
168. **Machimus subgenitalis** Bromley  
Distribution : Darjiling.
169. **Neoitamus bengalensis** (Joseph &  
Parui)  
Distribution : Darjiling.
170. **Neoitamus Kolkataensis** Joseph &  
Parui  
Distribution : Kolkata.
171. **Neomochtherus himalayensis**  
Joseph & Parui  
Distribution : Darjiling (Tiger Hill).
172. **Orophotus montanus** (Ricardo)  
Distribution : Darjiling.
173. **Philodicus ceylanicus** Schiner  
Distribution : Kolkata (Saltlake).
174. **Philodicus femoralis** Ricardo  
Distribution : Maldah (Nalagola).
175. **Philodicus javanus** (Weidemann)  
Distribution : Kolkata and Jalpaiguri  
(Chalsa).
176. **Promachus binghamensis** Ricardo  
Distribution : Darjiling.
177. **Promachus duvaucelii** (Macquart)  
Distribution : Not known.
178. **Promachus ghumtiensis** Bromley  
Distribution : Darjiling.
179. **Promachus leoninus** Loew  
Distribution : Darjiling.
180. **Promachus varipes** (Macquart)  
Distribution : Not known.
181. **Senoprosopis diardii** Macquart  
Distribution : Not known.
182. **Trichomachimus orientalis**  
(Ricardo)  
Distribution : Darjiling (Kurseong).
183. **Trichomachimus pubescens**  
(Ricardo)  
Distribution : Darjiling.
- Family SIMULIIDAE
184. **Simulium (Eusimulium)**  
**aureohirtum** Brunetti  
Distribution : Bankura (Mukutmanipur),  
Darjiling (Rangeet), Jalpaiguri (Rajabhatkhawa)  
and Puruliya (Ajodhya hills).
185. **Simulium (Eusimulium) dasguptai**  
Datta  
Distribution : Darjiling (North Point, Ghoom,  
Sonada).
186. **Simulium (Eusimulium)**  
**ghoomense** Datta  
Distribution : Darjiling (Ghoom).

187. *Simulium (Eusimulium) gracile*  
Datta  
*Distribution* : Darjiling (North point, Lebong, Sukhia pokhri).
188. *Simulium (Eusimulium) nemorivagum* Datta  
*Distribution* : Darjiling (North point, Lebong, Ghoom).
189. *Simulium (Eusimulium) praelargum* Datta  
*Distribution* : Darjiling (North Point, Lebong).
190. *Simulium (Eusimulium) Puri* Datta  
*Distribution* : Darjiling (North point, Sukhiapokhri, Mungpo).
191. *Simulium (Eusimulium) rufithorax* Brunetti  
*Distribution* : Darjiling (Kurseong).
192. *Simulium (Eusimulium) species 'A'*  
*Distribution* : Darjiling.
193. *Simulium (Eusimulium) species A*  
*Distribution* : Darjiling (Sonada, Ghoom).
194. *Simulium (Eusimulium) species B*  
*Distribution* : Darjiling (Kurseong).
195. *Simulium (Eusimulium) species C*  
*Distribution* : Darjiling (Lebong).
196. *Simulium (Eusimulium) species D*  
*Distribution* : Darjiling (Lebong).
197. *Simulium (Gomphostilbia) darjilingense* Datta  
*Distribution* : Darjiling (Lebong Cart Road).
198. *Simulium (Gomphostilbia) metatarsale* Brunetti  
*Distribution* : Darjiling and Jalpaiguri (Rajabhatkhawa).
199. *Simulium (Gomphostilbia)? sundaicum* Edwards  
*Distribution* : Bankura (Mukutmanipur) and Puruliya (Ajodhya Hills).
200. *Simulium (Gomphostilbia) tenuistylum* Datta  
*Distribution* : Darjiling (Lebong, Kurseong, Mungpo) and Jalpaiguri (Jainti).
201. *Simulium (Himalayum) indicum* Becher  
*Distribution* : Darjiling.
202. *Simulium (Simulium) asishi* Datta  
*Distribution* : Jalpaiguri (Rajabhatkhawa).
203. *Simulium (Simulium) biforminiferum* Datta  
*Distribution* : Darjiling (Lebong).
204. *Simulium (Simulium) dentatum* Puri  
*Distribution* : Darjiling (Lebong, Kurseong).
205. *Simulium (Simulium) grisescens* Brunetti  
*Distribution* : Darjiling (Rangeet, Kurseong, Lebong Cart Road).
206. *Simulium (Simulium) himalayense* Puri  
*Distribution* : Darjiling (Rangeet, Lebong Cart Road, Kurseong).
207. *Simulium (Simulium) kapuri* Datta  
*Distribution* : Jalpaiguri (Alipurduar).
208. *Simulium (Simulium) nigriacies* Datta  
*Distribution* : Darjiling (North point).
209. *Simulium (Simulium) nitidithorax* Puri  
*Distribution* : Darjiling.
210. *Simulium (Simulium) nodosum* Puri  
*Distribution* : Jalpaiguri (Rajabhatkhwa, Alipurduar).
211. *Simulium (Simulium) novolineatum* Puri  
*Distribution* : Darjiling.
212. *Simulium (Simulium) ramosum* Puri  
*Distribution* : Darjiling (Ghoom, Tiger Hill).

213. *Simulium (Simulium) rufibasis* Brunetti  
*Distribution* : Darjiling (Lebong, Happy Valley, Sonada, Kurseong).
214. *Simulium (Simulium) signtamense* Datta & Pal  
*Distribution* : Darjiling (Singtam).
215. *Simulium (Simulium) tenuitarsus* Puri  
*Distribution* : Darjiling.
216. *Simulium sp. nr. novolineatum* Puri  
*Distribution* : Darjiling (Singtam).
217. *Simulium sp. nr. grisescens* Brunetti  
*Distribution* : Darjiling (Singtam).  
 Family CHIRONOMIDAE  
 Subfamily DIAMESINAE
218. *Diamesa bicornipes* Chaudhuri & Ghosh  
*Distribution* : Darjiling.
219. *Diamesa edentisyla* Bhattacharya & Chaudhuri  
*Distribution* : Darjiling.  
 Subfamily TANYPODINAE
220. *Ablabesmyia alba* Chaudhuri, Debnath & Nandi  
*Distribution* : Barddhaman (Chittaranjan, Durgapur, Raniganj), Birbhum (Bolpur), Kolkata, Medinipur (Garbeta) and South 24 Pgs. (Kakdwip).
221. *Ablabesmyia ensiceps* Chaudhuri, Debnath & Nandi  
*Distribution* : Barddhaman (Raniganj, Chittaranjan), Kolkata and North 24 Pgs. (Bongaon, Basirhat).
222. *Ablabesmyia maculitibialis* Chaudhuri, Debnath & Nandi  
*Distribution* : Barddhaman (Raniganj), Birbhum (Bolpur), Kolkata and South 24 Pgs. (Kakdwip).
223. *Ablabesmyia transversus* Chaudhuri, Debnath & Nandi  
*Distribution* : Barddhaman (Raniganj), Kolkata and South 24 Pgs. (Kakdwip).
224. *Ablabesmyia photophilum* (Kieffer)  
*Distribution* : Barddhaman (Durgapur, Raniganj) and North 24 Pgs. (Habra).
225. *Ablabesmyia pulchripes* (Kieffer)  
*Distribution* : Kolkata.
226. *Conchapelopia falcistylus* Chaudhuri & Debnath  
*Distribution* : Barddhaman.
227. *Clinotanypus fuscisignetus* (Kieffer)  
*Distribution* : Barddhaman (Raniganj), Kolkata, Puruliya.
228. *Clinotanypus fumipennis* (Kieffer)  
*Distribution* : Barddhaman (Raniganj), Kolkata.
229. *Clinotanypus novempunctatus* (Kieffer)  
*Distribution* : Barddhaman, Kolkata, Puruliya.
230. *Clinotanypus ornatissimus* (Kieffer)  
*Distribution* : Barddhaman, Kolkata.
231. *Clinotanypus vomeris* Chaudhuri & Debnath  
*Distribution* : Barddhaman (Raniganj), Kolkata, Medinipur (Garbeta), North 24 Pgs. (Basirhat) and Puruliya.
232. *Djalmabatista bifida* (Chaudhuri & Debnath)  
*Distribution* : Barddhaman (Raniganj).
233. *Djalmabatista reidi* (Freeman)  
*Distribution* : Barddhaman, Kolkata and North 24 Pgs. (Habra).
234. *Paramerina inficia* Chaudhuri & Debnath  
*Distribution* : Barddhaman (Raniganj) and North 24 Pgs. (Basirhat, Rahara).
235. *Paramerina quinifricia* Chaudhuri & Debnath  
*Distribution* : Barddhaman (Raniganj, Durgapur) and North 24 Pgs. (Bongaon, Basirhat, Naihati).

236. ***Procladius noctivagus*** Kieffer  
*Distribution* : Bankura, Barddhaman (Raniganj), Kolkata and North 24 Pgs. (Habra).
237. ***Procladius fuscipes*** Chaudhuri & Debnath  
*Distribution* : Barddhaman (Raniganj, Chittaranjan) and Medinipur (Garbeta).
238. ***Procladius duplexus*** Chaudhuri & Debnath  
*Distribution* : Barddhaman (Durgapur).
239. ***Tanypus bilobatus*** (Kieffer)  
*Distribution* : Bankura, Barddhaman (Durgapur), Kolkata, North 24 Pgs. (Bongaon) and Puruliya.
240. ***Tanypus grandis*** Chaudhuri, Das & Debnath  
*Distribution* : Not known.
241. ***Tanypus lucidus*** Chaudhuri, Das & Debnath  
*Distribution* : Barddhaman (Raniganj, Durgapur), Kolkata and North 24 Pgs. (Basirhat).
242. ***Thienemannimyia (Rheopelopia) tuberculata*** Chaudhuri & Nandith  
*Distribution* : Jalpaiguri (Jainti).  
 Subfamily ORTHOCLADIINAE
243. ***Allotrissocladus acutus*** Chaudhuri & Nandith  
*Distribution* : Darjiling.
244. ***Bryophaenocladus longipenis*** Ghosh & Chaudhuri  
*Distribution* : Darjiling.
245. ***Bryophaenocladus manifestus*** Ghosh & Chaudhuri  
*Distribution* : Darjiling (Jorebunglow).
246. ***Chaetocladus artistylus*** Bhattacharya & Chaudhuri  
*Distribution* : Darjiling.
247. ***Chaetocladus curvatus*** Bhattacharya & Chaudhuri  
*Distribution* : Darjiling.
248. ***Chaetocladus dilatus*** Bhattacharya & Chaudhuri  
*Distribution* : Darjiling.
249. ***Chaetocladus tenuiflexus*** Bhattacharya & Chaudhuri  
*Distribution* : Darjiling (Bijanbari).
250. ***Cricotopus anomolus (Keiffer)***  
*Distribution* : Darjiling.
251. ***Cricotopus ateritarsus*** Bhattacharya, Ali & Chaudhuri  
*Distribution* : Darjiling.
252. ***Cricotopus albipes*** Chaudhuri & Ghosh  
*Distribution* : Darjiling.
253. ***Cricotopus tenuisetosus*** Chaudhuri & Ghosh  
*Distribution* : Darjiling.
254. ***Eukiefferiella debilis*** Sinharay & Chaudhuri  
*Distribution* : Darjiling (Ghum, Kurseong, Pankhabari, Darjiling).
255. ***Eukiefferiella lehmani*** Bhattacharya, Ali & Chaudhuri  
*Distribution* : Darjiling.
256. ***Eukiefferiella peculiaris*** Sinharay & Chaudhuri  
*Distribution* : Darjiling (Lebong, Kurseong, Tindharia, Sukhiapokhri, Darjiling).
257. ***Eukiefferiella oryza*** Chattopadhyay & Chaudhuri  
*Distribution* : Bankura.
258. ***Indocladus clivus*** Chaudhuri & Bhattacharyay  
*Distribution* : Darjiling.
259. ***Lmnophyes brevicorpis*** Chaudhuri, Sinharay & DasGupta  
*Distribution* : Darjiling (Darjiling, Kurseong).
260. ***Limnophyes mediocris*** Chaudhuri, Sinharay, Das Gupta  
*Distribution* : Darjiling (Darjiling, Ghoom, Kurseong).

261. ***Limnophyes fuscimarginelis***  
Chaudhuri, Sinharay & Das  
*Distribution* : Darjiling (Darjiling, Sonada).
262. ***Limnophyes montanus*** Chaudhuri,  
Sinharay & Das Gupta  
*Distribution* : Darjiling (Darjiling, Kurseong).
263. ***Limnophyes flavus*** Chaudhuri,  
Sinharay & Das Gupta  
*Distribution* : Darjiling (Darjiling, Kurseong,  
Sonada, Ghoom, Sukhiapokhri).
264. ***Limnophyes distinctigenitalis***  
Chaudhuri, Sinharay & Das  
*Distribution* : Darjiling (Darjiling, Kurseong).
265. ***Limnophyes magnus*** Chaudhuri,  
Sinharay & Das Gupta  
*Distribution* : Darjiling (Rung tong,  
Tindharia, Darjiling).
266. ***Limnophyes puncticellus***  
Chaudhuri, Sinharay & Das  
*Distribution* : Darjiling (Darjiling, Sonada,  
Ghum).
267. ***Limnophyes saetheri*** Chaudhuri,  
Sinharay & Das Gupta  
*Distribution* : Darjiling (Kurseong, Darjiling).
268. ***Limnophyes uniformis*** Chaudhuri,  
Sinharay & Das Gupta  
*Distribution* : Darjiling (Ghum, Kurseong,  
Darjiling).
269. ***Metriocnemus aculeatus*** Chaudhuri  
& Bhattacharyay  
*Distribution* : Darjiling.
270. ***Metriocnemus amplispinus***  
Chaudhuri & Bhattacharyay  
*Distribution* : Darjiling (Darjiling, Bijanbari).
271. ***Metriocnemus longipalpus***  
Sinharayi & Chaudhuri  
*Distribution* : Darjiling (Kalimpong,  
jorebangla, Tung).
272. ***Metriocnemus pseudorostratus***  
Chaudhuri & Nandi  
*Distribution* : Darjiling.
273. ***Metriocnemus unilinearis***  
Chaudhuri & Bhattacharyay  
*Distribution* : Darjiling (Lebong, Kurseong).
274. ***Nanocladius insulatus***  
Bhattacharyay & Chaudhuri  
*Distribution* : Not known.
275. ***Nasuticladius equalis*** Sinharay &  
Chaudhuri  
*Distribution* : Barddhaman (Raniganj).
276. ***Nasuticladius lanceolatus*** Sinharay  
& Chaudhuri  
*Distribution* : Barddhaman (Raniganj).
277. ***Orthocladius (Eudactylocladius)***  
***androgynus*** Chaudhuri  
*Distribution* : Darjiling (Mungpo, Darjiling).
278. ***Orthocladius (Eudactylocladius)***  
***brevipenis*** Chaudhuri  
*Distribution* : Darjiling.
279. ***Orthocladius (Orthocladius)***  
***deflectus*** Bhattacharyay & Ali  
*Distribution* : Darjiling (Kurseong, Mirik).
280. ***Orthocladius (Orthocladius)***  
***novostylus*** Chaudhuri & Sinharay  
*Distribution* : Darjiling (Darjiling, Ghum,  
Jorbangla).
281. ***Orthocladius (Orthocladius)***  
***uniradialis*** Bhattacharyay and Ali  
*Distribution* : Darjiling.
282. ***Parametriocnemus abunbnucus***  
Chaudhuri & Sinharay  
*Distribution* : Darjiling.
283. ***Parametriocnemus brundini***  
Sinharay & Chaudhuri  
*Distribution* : Darjiling (Darjiling, Kurseong,  
Sonada, Tung).
284. ***Parametriocnemus fusiger*** (Keiffer)  
*Distribution* : Darjiling.
285. ***Parametriocnemus subnubilus***  
Sinharay & Chaudhuri  
*Distribution* : Darjiling (Jorebanglow,  
Lebong).



286. *Paraphaenocladus albusalatus* Chaudhuri & Sinharay  
Distribution : Darjiling (Ghum, Darjiling).
287. *Paraphaenocladus croceus* Chaudhuri & Bhattacharyay  
Distribution : Darjiling.
288. *Paraphaenocladus distinctus* Chaudhuri & Bhattacharyay  
Distribution : Darjiling.
289. *Praphaenocladus proprius* Chaudhuri & Sinharay  
Distribution : Darjiling (Rongtong, Gayabari).
290. *Paraphaenocladus trichialis* Chaudhuri & Sinharay  
Distribution : Darjiling (Kurseong, Darjiling).
291. *Paraphaenocladus triquetrius* Chaudhuri & Sinharay  
Distribution : Darjiling.
292. *Pseudorthocladus prolixistylus* Bhattacharyay & Chaudhuri  
Distribution : Darjiling.
293. *Rheocricotopus (Psilocricotopus) bicornuatus* Chaudhuri  
Distribution : Darjiling (Kurseong, Lebong).
294. *Rheocricotopus (Psilocricotopus) frequens* Bhattacharyay, Ali & Chaudhuri  
Distribution : Darjiling.
295. *Rheocricotopus (Psilocricotopus) himalayensis* Chaudhuri  
Distribution : Darjiling (Kurseong, Tindharia, Ghum, Darjiling).
296. *Rheocricotopus (Psilocricotopus) nemoacrostichilis* Chaudhuri  
Distribution : Darjiling (Tindharia).
297. *Reocricotopus (Rheocricotopus) valgus* Chaudhuri & Bhattacharyay  
Distribution : Darjiling (Darjiling, Kurseong).
298. *Sittia aterima* (Meigen)  
Distribution : Darjiling.
299. *Smittia avicorneata* Chaudhuri & Bhattacharyay  
Distribution : Darjiling.
300. *Smittia india* Chaudhuri & Bhattacharyay  
Distribution : Darjiling.
301. *Smittia tenuispina* Chaudhuri & Bhattacharyay  
Distribution : Darjiling.
302. *Smittia unicapitis* Chaudhuri & Bhattacharyay  
Distribution : Darjiling.
303. *Thiememaunia fuscitheca* Bhattacharyay, Dutta & Chaudhuri  
Distribution : Darjiling (Kurseong, Pankhabari, Darjiling).
304. *Thiememaunia lutea* Bhattacharyay, Dutta & Chaudhuri  
Distribution : Darjiling (Jorebunglow, Darjiling, Lebong).
- Subfamily CHIRONOMINAE
305. *Beckidia nigrotibia* Bhattacharyay, Dutta & Chaudhuri  
Distribution : Barddhaman (Jagatoru).
306. *Chironomus niger* Chaudhuri, Das & Sublette  
Distribution : North 24 Pgs. (Barasat).
307. *Chironomus nudipes* Kieffer  
Distribution : Kolkata and Hugli (Uttarpara).
308. *Chironomus pulcher* Wiedemann  
Distribution : Barddhaman.
309. *Chironomus ramoosus* Chaudhuri, Das & Sublette  
Distribution : Hugli (Satgachia).
310. *Chironomus samoensis* Edwards  
Distribution : Murshidabad (Baharampur).
311. *Chironomus circumdatus* Kieffer  
Distribution : Barddhaman, Haora and Medinipur (Haldia).
312. *Chironomus filitarsis* Kieffer  
Distribution : Barddhaman and Kolkata.

313. ***Chironomus fortistylus*** Chaudhuri,  
Das & Sublette  
*Distribution* : Darjiling (Darjiling,  
Jorebungla, Kurseong).
314. ***Chironomus javanus*** Kieffer  
*Distribution* : Bankura, Haora.
315. ***Chironomus striatipennis*** Kieffer  
*Distribution* : Bankura and Hugli (Uttarpara).
316. ***Cladopelma indica*** Bhattacharyay,  
Dutta & Chaudhuri  
*Distribution* : Barddhaman.
317. ***Cryptochironomus fulvus***  
(Johannsen)  
*Distribution* : Murshidabad (Baharampur).
318. ***Cryptochironomus judicius***  
Chaudhuri & Chattopadhyay  
*Distribution* : Hugli (Uttarpara).
319. ***Cryptochironomus rostratuus***  
(Kieffer)  
*Distribution* : Haora.
320. ***Cryptochironomus subovatus***  
Freeman  
*Distribution* : Murshidabad (Baharampur).
321. ***Dicrotendipes pelochloris*** (Kieffer)  
*Distribution* : Barddhaman (Durgapur).
322. ***Dicrotendipes septemmaculatus***  
(Becker)  
*Distribution* : Barddhaman and Murshidabad  
(Farakka).
323. ***Dicrotendipes paxillus*** Guha,  
Chaudhuri & Nandith  
*Distribution* : Barddhaman and Birbhum.
324. ***Dicrotendipes socionotus*** Guha,  
Chaudhuri & Nandith  
*Distribution* : Barddhaman (Ranighanj) and  
Darjiling (Jorebungla).
325. ***Dicrotendipes tanuiforceps*** (Kieffer)  
*Distribution* : Barddhaman.
326. ***Endochironomus pekanus*** (Kieffer)  
*Distribution* : Murshidabad (Farakka) and  
North 24 Pgs. (Naihati).
327. ***Gillotia figida*** Bhattacharyay,  
Dutta & Chaudhuri  
*Distribution* : Darjiling (Mungpo).
328. ***Glyptotendipes barbipes*** (Staeger)  
*Distribution* : Barddhaman.
329. ***Harnischia acuta*** (Goetghebuer)  
*Distribution* : Barddhaman, Nadia (Kalyani).
330. ***Harnischia incidata*** Townes  
*Distribution* : Murshidabad (Baharampur)  
and Nadia (Palasi).
331. ***Harnischia tuberculata*** Chaudhuri &  
Chattopadhyay  
*Distribution* : Murshidabad (Farakka).
332. ***Harnischia viridula*** (Linnaeus)  
*Distribution* : Barddhaman and Hugli  
(Chinsurah).
333. ***Kiefferulus barbatitarsis*** (Kieffer)  
*Distribution* : Barddhaman, Kolkata, Haora,  
Hugli and Nadia (Kalyani).
334. ***Kiefferulus calligaster*** (Kieffer)  
*Distribution* : Barddhaman (Kalna) and Nadia  
(Kalyani).
335. ***Kiefferulus incerdus*** Chattopadhyay  
& Chattopadhyay  
*Distribution* : Bankura.
336. ***Microchironomus fuscitarsus*** Guha  
& Chaudhuri  
*Distribution* : Not known.
337. ***Microchironomus fuscitarsus***  
(Guha & Chaudhuri)  
*Distribution* : Birbhum (Bolpur).
338. ***Microchironomus tener*** (Kieffer)  
*Distribution* : Nadia (Kalyani).
339. ***Paracladopelma aratra*** Chaudhuri &  
Chattopadhyay  
*Distribution* : Haora (Bally).
340. ***Paracladopelma sacculifera***  
Chaudhuri & Chattopadhyay  
*Distribution* : Nadia (Kalyani).

341. ***Pentapedilum macrotrichium*** Guha & Chaudhuri  
*Distribution* : Barddhaman.
342. ***Pentapedilum robusticeps*** Guha & Chaudhuri  
*Distribution* : Nadia (Palasi).
343. ***Pentapedilum uncinatum*** Goetghebuer  
*Distribution* : Nadia (Kalyani).
344. ***Polypedilum aegyptum*** Kieffer  
*Distribution* : Barddhaman, Hugli (Chinsura).
345. ***Polypedilum alticola*** Kieffer  
*Distribution* : Barddhaman (Raniganj).
346. ***Polypedilum annulatipes*** Kieffer  
*Distribution* : Bankura, Barddhaman, Kolkata and Haora (Bally).
347. ***Polypedilum albipalpus*** Chaudhria, Guha & Das Gupta  
*Distribution* : Barddhaman (Raniganj, Memari).
348. ***Polypedilum ascium*** Chaudhuri, Guha & Das Gupta  
*Distribution* : Barddhaman, Birbhum (Bolpur, Rampurhat) and Kolkata.
349. ***Polypedilum choudhuri*** Chaudhuri, Guha & Das Gupta  
*Distribution* : Barddhaman (Durgapur) and Hugli.
350. ***Polypedilum circumum*** Chaudhuri & Chattopadhyay  
*Distribution* : Nadia (Kalyani).
351. ***Polypedilum fasciatipennis*** Kieffer  
*Distribution* : Barddhaman.
352. ***Polypedilum flagelata*** Chaudhuri, Guha & Das Gupta  
*Distribution* : Barddhaman (Raniganj) and Birbhum (Bolpur).
353. ***Polypedilum griseoguttatum*** Kieffer  
*Distribution* : Barddhaman and Kolkata.
354. ***Polypedilum inosolitum*** Chaudhuri, Guha & Das Gupta  
*Distribution* : Medinipur (Digha).
355. ***Polypedilum lineatum*** Chaudhuri, Guha & Das Gupta  
*Distribution* : Barddhaman (Raniganj), Darjiling (Siliguri) and Hugli (Triveni).
356. ***Polypedilum lucidum*** Chaudhuri, Guha & Das Gupta  
*Distribution* : Barddhaman (Panagar), Kolkata.
357. ***Polypedilum medivittatum*** Tokunaga  
*Distribution* : Nadia (Kalyani).
358. ***Polypedilum milnei*** Kieffer  
*Distribution* : Murshidabad (Baharampur).
359. ***Polypedilum nubifer*** (Skuse)  
*Distribution* : Barddhaman, Hugli (Chinsura, Uttarpara) and Nadia (Kalyani).
360. ***Polypedilum numerus*** Chaudhuri, Guha & Das Gupta  
*Distribution* : Darjiling (Jorbangla, Kurseong).
361. ***Polypedilum rufomarginalis*** Chaudhuri, Guha & Das Gupta  
*Distribution* : Barddhaman (Raniganj), Hugli (Triveni), Maldah and Murshidabad (Berhampur).
362. ***Polypedilum suturalis*** (Johannsen)  
*Distribution* : Medinipur (Haldia).
363. ***Polypedilum tripunctum*** Chaudhuri, Guha & Das Gupta  
*Distribution* : Darjiling (Darjiling, Tindharia).
364. ***Polypedilum yapensis*** Tokunaga  
*Distribution* : Haora.
365. ***Stenochironomus hilaris*** (Walker)  
*Distribution* : Murshidabad (Farakka).
366. ***Stenochironomus longipalpis*** (Kieffer)  
*Distribution* : Nadia (Palasi).

367. ***Stictochironomus affinia*** (Johannsen)  
*Distribution* : Barddhaman (Katwa), Hugli (Uttarpara) and Murshidabad (Baharampur).
368. ***Stictochironomus obseurus*** Guha & Chaudhuri  
*Distribution* : Barddhaman, South 24 Pgs. (Kakdwip).
369. ***Xenochironomus flaviventris*** (Kieffer)  
*Distribution* : Hugli.
370. ***Bernhardia unispinosa*** Chaudhuri & Datta  
*Distribution* : Hugli (Birpara).
371. ***Cladotenyntarsus acinatus*** Chaudhuri & Datta  
*Distribution* : Barddhaman (Polempur).
372. ***Cladotanyntarsus conversus*** (Johannsen)  
*Distribution* : Nadia (Kalyani).
373. ***Cladotanyntarsus flexus*** Chaudhuri & Datta  
*Distribution* : Barddhaman (Polempur) and Jalpaiguri (Alipurduar).
374. ***Cladotanyntarsus fustistylus*** Chaudhuri & Datta  
*Distribution* : Jalpaiguri (Alipurduar).
375. ***Cladotanyntarsus Gloveri*** Ghosh Chaudhuri  
*Distribution* : Medinipur (Jhargram).
376. ***Cladotanyntarsus multispinulus*** Guha, Das Chaudhuri  
*Distribution* : Barddhaman, Hugli (Uttarpara) and Nadia (Kalyani).
377. ***Cladotanyntarsus pseudomancus*** (Goetghebuer)  
*Distribution* : Jalpaiguri (Hasimara).
378. ***Cladotanyntarsus unagisextus*** (Sasa)  
*Distribution* : Medinipur (Ghatal).
379. ***Cladotanyntarsus unilinearis*** Glover  
*Distribution* : Barddhaman (Asansol).
380. ***Micropsectra confundeda*** (Kieffer)  
*Distribution* : South 24 Pgs. (Canning).
381. ***Micropsectra candida*** Chaudhuri, Datta  
*Distribution* : Darjiling.
382. ***Micropsectra candida*** Chaudhuri, Guha & Ghosh  
*Distribution* : Barddhaman (Raniganj) and Birbhum (Bolpur).
383. ***Micropsectra nepalensis*** Sawedal  
*Distribution* : Darjiling (Darjiling).
384. ***Paratanyntarsus albus*** Chaudhuri, Guha & Ghosh  
*Distribution* : Barddhaman.
385. ***Paratanyntarsus qressiti*** (Tokunaga)  
*Distribution* : Jalpaiguri (Falakata).
386. ***Paratanyntarsus papillatus*** Chaudhuri & Datta  
*Distribution* : Barddhaman.
387. ***Rheotanyntarsus acerbus*** Johannsen  
*Distribution* : Darjiling (Mungpoo).
388. ***Rheotanyntarsus johnstoni*** Glover  
*Distribution* : Barddhaman (Asansol) and Jalpaiguri.
389. ***Tanyntarsus agraensis*** Singh & Kulsrestha  
*Distribution* : Barddhaman, Birbhum (Bolpur).
390. ***Tanyntarsus aculeus*** Chaudhuri, Nandi & Ghosh  
*Distribution* : Barddhaman.
391. ***Tanyntarsus atroxitarsus*** Chaudhuri & Datta  
*Distribution* : Jalpaiguri (Birpara).
392. ***Tanyntarsus baltestus*** Freeman  
*Distribution* : Not known.
393. ***Tanyntarsus bifurcus*** Freeman  
*Distribution* : Barddhaman (Asansol), Birbhum (Bolpur) and Murshidabad (Farakka).

394. ***Tanytarsus commoni*** Gover  
*Distribution* : Barddhaman (Polempur, Kalna).
395. ***Tanytarsus cristatus*** Chaudhuri & Datta  
*Distribution* : Darjiling (Mungpo) and Jalpaiguri (Alipurduar).
396. ***Tanytarsus dycei*** Gover  
*Distribution* : Barddhaman.
397. ***Tanytarsus fuscithorax*** Skuse  
*Distribution* : Barddhaman.
398. ***Tanytarsus flaviradialis*** Guha, Das & Chaudhuri  
*Distribution* : South 24 Pgs. (Kakdwip).
399. ***Tanytarsus fuscibdominalis*** Guha, Das and Chaudhuri  
*Distribution* : South 24 Pgs. (Kakdwip).
400. ***Tanytarsus fuscibdominalis*** Chaudhuri, Guha & Ghosh  
*Distribution* : Barddhaman (Raniganj, Durgapur) and Birbhum (Bolpur).
401. ***Tanytarsus glabrescens*** Edwards  
*Distribution* : Barddhaman.
402. ***Tanytarsus gracilistylus*** Chaudhuri & Datta  
*Distribution* : Not known.
403. ***Tanytarsus infundibulus*** Chaudhuri & Datta  
*Distribution* : Bankura, Jalpaiguri and South 24 Pgs. (Sagar Island).
404. ***Tanytarsus magnituberculus*** Guha, Das, Chaudhuri &  
*Distribution* : South 24 Pgs. (Kakdwip).
405. ***Tanytarsus nichollsi*** Glover  
*Distribution* : Jalpaiguri.
406. ***Tanytarsus okuboi*** Sasa & Kikuchi  
*Distribution* : Not known.
407. ***Tanytarsus ponapensis*** Tokunaga  
*Distribution* : Barddhaman.
408. ***Tanytarsus parvistylus*** Chaudhuri & Datta  
*Distribution* : Barddhaman (Polempur).
409. ***Tanytarsus pollexus*** Chaudhuri & Datta  
*Distribution* : Darjiling (Mungpo).
410. ***Tanytarsus guinspinosus*** Chaudhuri & Datta  
*Distribution* : Not known.
411. ***Tanytarsus redistylus*** Chaudhuri & Datta  
*Distribution* : Bankura (Jhilimili).
412. ***Tanytarsus ungulituberculus*** Singh & Kulshrsta  
*Distribution* : Barddhaman.
413. ***Tanytarsus viculus*** Chaudhuri, Guha & Ghosh  
*Distribution* : Barddhaman (Panagar) and North 24 Pgs. (Sodepur).

**INSECTA : LEPIDOPTERA**

- Order LEPIDOPTERA  
 Family ZYGAENIDAE  
 Subfamily ZYGAENINAE
1. ***Artona postvitta*** Moore  
*Distribution* : Kolkata and Darjiling.
  2. ***Clelia discriminis*** Swinhoe  
*Distribution* : Darjiling (Kurseong).
  3. ***Illiberis fuliginosa*** (Moore)  
*Distribution* : Kolkata and Darjiling.
  4. ***Lophosoma quadricolor*** (Walker)  
*Distribution* : Not known.
  5. ***Arachotia flaviplaga*** Moore  
*Distribution* : Darjiling (Topkhana, Kalimpong).
  6. ***Thyrassia subcordata subcordota***  
 (Walker)  
*Distribution* : Kolkata, Maldah (Ratua) and South 24 Pgs. (Akra).  
 Subfamily CHALCOSIINAE
  7. ***Arbudas bicolor*** Moore  
*Distribution* : Darjiling.
  8. ***Trypanophora semihyaltina*** Kollar  
*Distribution* : Kolkata and Nadia (Kalyani).
  9. ***Cyclosia papilionaris venaria***  
 (Fabricius)  
*Distribution* : Darjiling and Jalpaiguri (Paltanpura, BTR).
  10. ***Cyclosia midamia midamia***  
 (Herrich-Schaffer)  
*Distribution* : Darjiling.
  11. ***Gynautocera papilionaria*** Guerin  
*Distribution* : Kolkata and Darjiling (Kalimpong).
  12. ***Histia rhodope rhodope*** (Cramer)  
*Distribution* : Darjiling.
  13. ***Campylotes histrionicus*** Westwood  
*Distribution* : Darjiling.
  14. ***Campylotes atkinsoni*** Moore  
*Distribution* : Darjiling (Mirik).
  15. ***Erasmia sanguiflua sanguiflua***  
 (Drury)  
*Distribution* : Darjiling.
  16. ***Erasmia aliris aliris*** (Doubleday)  
*Distribution* : Darjiling.
  17. ***Erasmia pulchella pulchella*** Hope  
*Distribution* : Darjiling.
  18. ***Agalope basiflava*** (Moore)  
*Distribution* : Darjiling.
  19. ***Agalope eronioides eronioides***  
 (Moore)  
*Distribution* : Darjiling.
  20. ***Agalope glacialis glacialis*** (Moore)  
*Distribution* : Darjiling.
  21. ***Agalope hyalina*** (Kollar)  
*Distribution* : Darjiling.
  22. ***Philopator basimaculata*** Moore  
*Distribution* : Darjiling.
  23. ***Cadphises maculata*** Moore  
*Distribution* : Darjiling.
  24. ***Cadphises moorei moorei*** Butler  
*Distribution* : Darjiling (Darjiling, Kurseong).
  25. ***Eterusia aedea edocla ab. magnifica*** Butler  
*Distribution* : Darjiling (Kurseong).
  26. ***Eterusia pulchella pulchella*** (Kollar)  
*Distribution* : Darjiling (Kurseong, Mirik, Kalimpong).
  27. ***Eterusia lativitta*** (Moore)  
*Distribution* : Darjiling.
  28. ***Eterusia raja*** Moore  
*Distribution* : Darjiling.
  29. ***Eterusia shahama*** Moore  
*Distribution* : Darjiling.
  30. ***Pidorus glaucopis glaucopis***  
 (Drury)  
*Distribution* : Darjiling.

31. *Pidorus miles* (Butler)  
Distribution : Darjiling.
32. *Chalcosia adalfia adalfia ab. cardinalis* (Moore)  
Distribution : Darjiling.
33. *Chalcosia pectinicornis argentata* Moore  
Distribution : Darjiling.
34. *Chalcophaedra zuleika* (Doulbeday)  
Distribution : Darjiling.
35. *Phlebohecta fuscescens* (Moore)  
Distribution : Darjiling.
36. *Heterusia tricolor*  
Distribution : Jalpaiguri (BTR).
37. *Pintia ferrea*  
Distribution : Jalpaiguri (BTR).  
Family ARCTIIDAE  
Subfamily CALLIMORPHINAE
38. *Callimorpha principalis* (Kollar)  
Distribution : Darjiling.
39. *Callimorpha plagiata* (Walker)  
Distribution : Bankura and Darjiling (Kalimpong, Mirik).
40. *Callimorpha nyctemerata* (Moore)  
Distribution : Darjiling (Kalimpong).  
Subfamily NYCTEMERINAE
41. *Nyctemera adversata* (Schaller)  
Distribution : Darjiling (Sukhiapokhri, Rangpo Bijanbari, Singla).
42. *Nyctemera cenis* (Cramer)  
Distribution : Not known.  
Subfamily ARCTIIDAE
43. *Baroa vatata* Swinhoe  
Distribution : Darjiling (Rangpo).
44. *Diacrisia multiguttata* (Walker)  
Distribution : Darjiling (Ghoom Bhanjang).
45. *Diacrisia fulvohirta* (Walker)  
Distribution : Darjiling.
46. *Diacrisia impleta* Walker  
Distribution : Darjiling (Manibhanjang).
47. *Amsacta lineola* (Fabricius)  
Distribution : Barddhaman (Guskara), Birbhum (Santiniketan), Darjiling (Rambi) and Murshidabad (Berhampur, Jiyaganj).
48. *Estigmene vittata* (Moore)  
Distribution : Bankura (Sonamukhi).
49. *Estigmene perrotteti* (Guer.)  
Distribution : Not known.
50. *Rhodogastria astreus* (Drury)  
Distribution : Not known.  
Subfamily MICRARCTIINAE
51. *Argina argus* (Kollar)  
Distribution : Darjiling (Teesta valley).
52. *Argina astrea* (Drury)  
Distribution : Bankura (Susunia), Barddhaman (University campus) and Nadia (Rajnaghat Jila Parishad).
53. *Utetheisa pulchella* (Linnaeus)  
Distribution : Bankura (Heeraparbat), Kolkata (Horticulture Garden), Darjiling (Singla), Maldah (Gour) and North 24 Pgs. (Nalban).  
Subfamily SPILOSOMINAE
54. *Cretonotos gangis* (Linnaeus)  
Distribution : Bankura (Joypur), Barddhaman (Guskara), Kolkata (DumDum), Jalpaiguri (Rydak Forest), Koch Bihar (Atia mochar), Medinipur (Belpahari), Murshidabad (Dumkal), North 24 Pgs. (Baraparesh) and South 24 Pgs. (Canning).
55. *Phissama transiens* (Walker)  
Distribution : Bankura (Kotalpur), Darjiling (Bamonpokhri, Sukna, Rangpo, Teesta, Reyang, Bijanbari), Jalpaiguri (Sulka para) and Nadia (Ranaghat Jila Parishad).
56. *Aloa lactinea* (Cramer)  
Distribution : Bankura (Mukutmanipur) and Medinipur (Jhargram, Jambani Forest, Belpahari).
57. *Spilarctia casigneta* (Kollar)  
Distribution : Darjiling (Tukdah), Haora (Botanical Garden) and Medinipur (Belpahari).

58. *Spilaretia obliqua* (Walker)

*Distribution* : Kolkata (Belgachia), Darjiling (Ranigroom), Haora (Bally), Hugli (Bandel), Murshidabad (Jangipur, Dhanpat nagar) and 24 Pgs. (SaltLake).

59. *Spilarctia rubitincta* (Moore)

*Distribution* : Darjiling.

60. *Areas galactina* (Hoeven)

*Distribution* : Darjiling (Rongiroom Kurseong, Lebung).

61. *Olepa ricini* (Fabricius)

*Distribution* : Kolkata (Dhapa, Baranagar) and Maldah (Tulsihata).

Subfamily LITHOSIINAE

62. *Eilema vagesa* (Moore)

*Distribution* : Darjiling (Tindhoria).

63. *Eilema vicaria* (Walker)

*Distribution* : Bankura (Sonamukhi, Curamanipur) and Kolkata.

64. *Eilema auriflua* (Moore)

*Distribution*: Not known.

65. *Zadadra distorta* (Moore)

*Distribution* : Darjiling (Tindharia).

66. *Agylla ramelana* (Moore)

*Distribution* : Kolkata, Darjiling and South 24 Pgs. (Canning).

67. *Agylla maculata* (Moore)

*Distribution* : Darjiling.

68. *Cyana catorhoda* Hampson

*Distribution* : Darjiling (Charonti Hill).

69. *Cyana adita* (Moore)

*Distribution* : Darjiling (Mirik).

70. *Cyana gazella* (Moore)

*Distribution* : Darjiling (Ghoom Bhanjang).

71. *Cyana arama* (Moore)

*Distribution* : Darjiling (Mirik).

72. *Cyana peregrina*

*Distribution* : Jalpaiguri (BTR).

73. *Asura undulosa* (Walker)

*Distribution* : Darjiling (Tiger Hill, Kurseong) and South 24 Pgs. (Canning).

74. *Asura conjunctana* (Walker)

*Distribution* : Darjiling (Bijanbari, Sukna).

75. *Asura strigipennis* (Herrich-Schaffer)

*Distribution* : Darjiling (Bijanbari).

76. *Asura congerens* (Felder)

*Distribution* : Kolkata.

77. *Asura obsoleta* (Moore)

*Distribution* : Darjiling.

78. *Miltochrista gratiosa*

(Guerin-Meneville)

*Distribution* : Darjiling (Jorpokhri, Rambi, Chunabhati).

79. *Miltochrista prominens* (Moore)

*Distribution* : Darjiling (Bijanbari).

80. *Miltochrista cuneonotata* (Walker)

*Distribution* : Darjiling (Kurseong, Chunaboti).

81. *Miltochrista inflexa* (Moore)

*Distribution* : Darjiling.

82. *Miltochista radians* (Moore)

*Distribution* : Bardhaman and Kolkata.

83. *Lexis fulveola* Hampson

*Distribution* : Kolkata and North 24 Pgs. (Barrackpur).

84. *Narasodes punctana* (Walker)

*Distribution* : Kolkata.

85. *Eurosia annulata* Hampson

*Distribution* : Kolkata.

86. *Rhangana punctata* Moore

*Distribution* : Kolkata.

87. *Nishada flabrifera* Moore

*Distribution* : Kolkata.

88. *Chrysorabdia viridata* (Walker)

*Distribution* : Darjiling.

89. *Teulisna protuberans* (Moore)

*Distribution* : Darjiling.

90. *Prbhasa venosa* Moore

*Distribution* : Darjiling.



Family ARCTIIDAE

91. *Cyana bianca* (Wlk.)

Distribution : Jalpaiguri (BTR).

92. *Miltochrista undulosa* Wlk.

Distribution : Jalpaiguri (BTR).

Family HESPERIIDAE

Subfamily COELIADINAE

93. *Badamia exclamationis* (Fabricius)

Distribution : Kolkata, Maldah.

94. *Bibasis harisa* (Moore)

Distribution : Not known.

95. *Bibasis harisa harisa* (Moore)

Distribution : Darjiling.

96. *Hasora chromus chromus* (Cramer)

Distribution : Kolkata.

97. *Hasora vitta indica* Evans

Distribution : Darjiling.

Subfamily PYRGINAE

98. *Capila jayadeva* (Moore)

Distribution : Darjiling.

99. *Capila zennara* (Moore)

Distribution : Darjiling.

100. *Celaenorrhinus leucocera* (Kollar)

Distribution : Bardhaman (Asansol), Darjiling (Darjiling, Teesta Bazar) and Jalpaiguri (Santalbari).

101. *Caprona ransonnetti ransonnetti* (Felder)

Distribution : Not known.

102. *Coladenia dan*

Distribution : Jalpaiguri (BTR).

103. *Coladenia indrani indrani* (Moore)

Distribution : Kolkata.

104. *Seseria sambara sambara* (Moore)

Distribution : Darjiling (Singtham).

105. *Tagiades japetus ravi* (Moore)

Distribution : Kolkata.

Subfamily HESPERIINAE

106. *Astictopterus jama olivascens* Moore

Distribution : Kolkata.

107. *Halpe porus* (Mabille)

Distribution : Kolkata, Maldah.

108. *Iambrix salsala salsala* (Moore)

Distribution : Kolkata, Darjiling (Teesta Bazar) and Haora.

109. *Notocrypta curvifascia curvifascia* (Felder)

Distribution : Murshidabad (Farakka).

110. *Udaspes folus* (Cramer)

Distribution : Kolkata, Haora (Bally), Maldah, Jalpaiguri (BTR).

111. *Suastus gremius gremius* (Fabricius)

Distribution : Kolkata (Eden Gardens), Darjiling, Haora (Srirampore, Barabally), Jalpaiguri (BTR).

112. *Hyarotis adrastus praba* (Moore)

Distribution : Kolkata and Maldah.

113. *Gangara thyrsis thyrsis* (Fabricius)

Distribution : Kolkata.

114. *Erionota thrax thrax* (Linnaeus)

Distribution : Kolkata.

115. *Matapa aria* (Moore)

Distribution : Kolkata, Hugli (Chandan nagar), Koch Bihar (Falakata) and Maldah.

116. *Taractocera maevius sagara* Moore

Distribution : Haora (Botanical garden).

117. *Potanthus pallida* Evans

Distribution : Darjiling (Rangpo, Singla).

118. *Potanthus confucius dushta* (Fruhstorfer)

Distribution : Darjiling (Reyang river, Rangpo, Singla) and Haora (Botanical Garden).

119. *Spialia galba*

Distribution : Kolkata.

120. *Telicota ancilla* Herrich-Schaffer

Distribution : Birbhum, Kolkata, Haora, Hugli, Murshidabad, North 24 Pgs. and South 24 Pgs.

121. *Telicota ancilla bambusae* (Moore)

Distribution : Birbhum (Santiniketan), Kolkata (Naktala), Haora (Andul), Hugli

(Chandannagar, Bandel), Murshidabad (Sagardighi) and South 24 Pgs. (Sonarpur).

122. *Cephrenes chrysozona oceanica*  
(Mabille)

*Distribution* : Haora (Santragachi).

123. *Gegenes nostradamus* (Fabricius)

*Distribution* : Kolkata (Eden Gardens).

124. *Parnara naso bada* (Moore)

*Distribution* : Bankura (Bishnupur), Birbhum (Santiniketan), Kolkata (Manikganj), Hugli (Chandannagar) and South 24 Pgs. (Sonarpur).

125. *Borbo cinnara* (Wallace)

*Distribution* : Kolkata.

126. *Pelopidas mathias mathias*  
(Fabricius)

*Distribution* : Bankura (Jungle mahal), Birbhum (Santiniketan), Kolkata (Bansdroni, Kharberia, Salt Lake, Bartala, Eden Gardens), Darjiling (Teesta Bazar), Haora (Andul), Maldah (Shahpur), Medinipur (Belpahari, Haldia) and Nadia (Kalyani).

127. *Baoris farri farri* (Moore)

*Distribution* : Kolkata (Bansdroni), Hugli (Chandannagar) and Nadia (Kalyani).

128. *Caltoris cahira cahira* (Moore)

*Distribution* : Kolkata (Indian Museum Campus).

129. *Borbo bevani* Moore

*Distribution* : Jalpaiguri (BTR).

130. *Borbo cinnara*

*Distribution* : Kolkata.

131. *Sarangesa dasahara*

*Distribution* : Jalpaiguri (BTR) and Kolkata.

132. *Tagiades litigiosa* Moschler

*Distribution* : Jalpaiguri (BTR).

133. *Oriens gola*

*Distribution* : Jalpaiguri (BTR).

134. *Polytremis eltola* Hewitson

*Distribution* : Jalpaiguri (BTR) Darjiling.

Family HESPERIIDAE

135. *Odontoptilum angulata* (Felder)

*Distribution* : Jalpaiguri (BTR).

136. *Tagiades japetus* (Moore)

*Distribution* : Jalpaiguri (BTR).

137. *Coladenia dan*

*Distribution* : Jalpaiguri (BTR).

Family PYRALIDAE

Subfamily GALLERIINAE

138. *Trachylepidia fructicassella*  
Ragonot

*Distribution* : Darjiling (Kurseong), Hugli.

139. *Achroria grisella* (Fabricius)

*Distribution* : Kolkata.

140. *Corcyra cephalonica* (Stainton)

*Distribution* : Kolkata.

141. *Galleria mellonella* (Linnaeus)

*Distribution* : Kolkata.

Subfamily CRAMBINAE

142. *Culladia admigratella* (Walker)

*Distribution* : Darjiling (Kurseong).

143. *Crambus atkinsoni* (Zeller)

*Distribution* : Kolkata.

144. *Platytes paralella* (Zeller)

*Distribution* : Darjiling (Kurseong).

145. *Stenochilo canicostalis* Hampson

*Distribution* : Kolkata.

146. *Macrochilo ambiguellus* (Snellen)

*Distribution* : Darjiling.

147. *Chilo suppressalis* (Walker)

*Distribution* : Kolkata and Murshidabad (Baharampur).

148. *Ancylolomia chrysographella*  
(Kollar)

*Habitat* : Rice pest.

*Distribution* : Kolkata and Puruliya.

149. *Charltona consociella* (Walker)

*Distribution* : Kolkata.

Subfamily SCHOENOBIINAE

150. *Patissa luteifrons* Hampson

*Distribution* : Kolkata.

151. *Scirpophaga bisignata* (Swinhoe)

*Distribution* : Kolkata and North 24 Pgs. (Barrackpore).

152. *Schoenobius immertialis* (Walker)  
Distribution : Kolkata.
153. *Schoenobius adjurellus* (Walker)  
Distribution : Kolkata and North 24 Pgs. (DumDum).
154. *Schoenobius bipunctifer* (Walker)  
Distribution : Kolkata and South 24 Pgs. (Canning).
155. *Niphadoses gilviberbis* (Zeller)  
Distribution : Kolkata.
156. *Tryporyza incertulas* (Walker)  
Distribution : Bankura (Bankura town), Kolkata, Hugli (Chandannagar, Uttarpara), Medinipur (Jhargram), North 24 Pgs. (DumDum, Barrackpur) and South 24 Pgs. (Canning, Bishnupur, Champahati).
157. *Ramila marginella* Moore  
Distribution : Kolkata.
158. *Cirrhochrista brizoalis* (Walker)  
Distribution : Kolkata.  
Subfamily ANERASTIINAE
159. *Hypsotropha laterculella* (Zeller)  
Distribution : Kolkata.
160. *Hypsotropha sceletella* (Zeller)  
Distribution : Kolkata.
161. *Poujadia opificella* (Zeller)  
Distribution : Kolkata.
162. *Poujadia paucigraphella* (Ragonot)  
Distribution : Kolkata.  
Subfamily PHYCITINAE
163. *Cadra cautella* (Walker)  
Distribution : Kolkata.
164. *Homoeosoma goliathella* Ragonot  
Distribution : Kolkata.
165. *Hetergraphis mysorella* Ragonot  
Distribution : Darjiling (Kurseong).
166. *Heterographis bengalella* Ragonot  
Distribution : Kolkata.
167. *Heterographis resticula* Hampson  
Distribution : Kolkata.

168. *Euzophera perticella Rogonot*  
Distribution : Kolkata and Hugli (Seoraphuly).
169. *Euzophera plumbeifasciella* Hampson  
Distribution : Kolkata.
170. *Nephoptyx eugraphella* Ragonot  
Distribution : Kolkata.
171. *Nephoptyx leucophaeella* Zeller  
Distribution : Kolkata.
172. *Epicrocis aegnusalis* (Walker)  
Distribution : Haora (Botanical Garden), Hugli (Debanandapur, Bandel) and South 24 Pgs. (Canning).
173. *Phycita clientella* (Zeller)  
Distribution : Kolkata.
174. *Spatulipalpia erythrina* Hampson  
Distribution : Kolkata.
175. *Thylactoptila paurosema* Meyrick  
Distribution : Kolkata.
176. *Phycita hemixanthella* Hampson  
Distribution : Kolkata.  
Subfamily EPIPASCHIINAE
177. *Macalla moncusalis* (Walker)  
Distribution : Kolkata.
178. *Coenodomus hockingi* Walsingham  
Distribution : Kolkata.
179. *Stericta haraldusalis* (Walker)  
Distribution : Darjiling (Kurseong).
180. *Stericta pyraliata* (Moore)  
Distribution : Darjiling.
181. *Orthaga euadrusalis* Walker  
Distribution : Kolkata.  
Subfamily ENDOTRICHINAE
182. *Endotricha albicilia* Hampson  
Distribution : Darjiling (Kurseong).
183. *Endotricha loricata* Moore  
Distribution : Kolkata.  
Subfamily PYRALINAE
184. *Hypsopygia mauritialis* (Boisduval)  
Distribution : Kolkata.

185. *Pyralis pictalis* (Curtis)  
Distribution : Kolkata, Darjiling (Kurseong).
186. *Pyralis funebris* Warren  
Distribution : Darjiling (Kurseong).
187. *Pyralis elongalis* Kollar  
Distribution : Darjiling (Kurseong).
188. *Pyralis manihotalis* Guenee  
Distribution : Kolkata.
189. *Larice phycidalis* (Guenee)  
Distribution : Darjiling (Kurseong).
190. *Herculia suffusalis* (Walker)  
Distribution : Kolkata.
191. *Sacada discinota* (Moore)  
Distribution : Darjiling.
192. *Tamraca torridalis* (Lederer)  
Distribution : Kolkata.
193. *Herculia igniflualis* (Walker)  
Distribution : Kolkata.
194. *Herculia nigrivitta* (Walker)  
Distribution : Kolkata.
- Subfamily HYDROCAMPINAE
195. *Nymphula foedalis* (Guenee)  
Distribution : Kolkata, Puruliya.
196. *Nymphula responsalis* (Walker)  
Distribution : Kolkata.
197. *Nymphula diminutalis* (Snellen)  
Distribution : South 24 Pgs. (Canning).
198. *Nymphula fluctuosalis* Zeller  
Habitat : Rice pest.  
Distribution : Kolkata (Dhapa), Hugli (Uttarpara), North 24 Pgs. (Bongaon) and Puruliya.
199. *Nymphula votalis* (Walker)  
Distribution : Kolkata.
200. *Nymphula fuscicostalis* Hampson  
Distribution: Kolkata.
201. *Nymphula depunctalis* (Guenee)  
Distribution : Kolkata.
202. *Cataclysta blandialis* Walker  
Distribution : Kolkata.
203. *Oligostigma bilinealis* Snellen  
Distribution : Kolkata.
204. *Hymeoptychis sordida* Zeller  
Distribution : Kolkata.
205. *Stegothyris diagonalis* (Guenee)  
Distribution : Medinipur (Haldia).
206. *Bradina admixtalis* (Walker)  
Distribution : Kolkata.
207. *Diathrausta profundalis* Lederer  
Distribution : Darjiling (Kurseong).
208. *Hyaloplaga pulchralis* (Moore)  
Distribution : Darjiling.
209. *Pileocera aegimiusalis* (Walker)  
Distribution : Darjiling (Kurseong).
210. *Clupeosoma bicolor* Moore  
Distribution : Kolkata.
211. *Nymphula crisonalis* (Walker)  
Distribution : Kolkata.
212. *Talanga sexpunctalis* (Moore)  
Distribution : Kolkata.
213. *Tatobotys varanesalis* (Walker)  
Distribution : Kolkata.
- Subfamily SCOPARIINAE
214. *Microglossa scoparialis* Warren  
Distribution : Darjiling.
215. *Scoparia pulveralis* Snellen  
Distribution : Darjiling.
216. *Scoparia murificalis* Walker  
Distribution : Darjiling (Kurseong).
- Subfamily PYRAUSTINAE
217. *Massepha absolutalis* Walker  
Distribution : Kolkata.
218. *Massepha bengalensis* (Moore)  
Distribution : Kolkata.
219. *Pycnarmon meritalis* (Walker)  
Distribution : Kolkata.

220. ***Pycnarmon lactiferalis*** (Walker)  
Distribution : Darjiling (Kurseong).
221. ***Spoladea recurvalis*** (Fabricius)  
Distribution : Barddhaman, Kolkata, Darjiling (Kurseong) and South 24 Pgs. (Diamond Harbour).
222. ***Eurrhyarodes tricoloralis*** (Zeller)  
Distribution : Kolkata.
223. ***Eurrhyarodes bracteolalis*** (Zeller)  
Distribution : Kolkata and Darjiling (Kurseong).
224. ***Synclera subtessellalis*** (Walker)  
Distribution : Darjiling.
225. ***Synclera traducalis*** (Zeller)  
Distribution : Kolkata.
226. ***Cnaphalocrocis medinalis*** (Guenee)  
Distribution : Kolkata and South 24 Pgs. (Diamond Harbour).
227. ***Marasmia trapezalis*** (Guenee)  
Distribution : Kolkata.
228. ***Marasmia trebiusalis*** (Walker)  
Distribution : Kolkata.
229. ***Marasmia bilinealis*** Hampson  
Distribution : Kolkata (Behala).
230. ***Syngamia latimarginalis*** (Walker)  
Distribution : Kolkata.
231. ***Syngamia abruptalis*** (Walker)  
Distribution : North 24 Pgs. (Bongaon).
232. ***Syngamia floridalis*** (Zeller)  
Distribution : Darjiling (Kurseong).
233. ***Syngamia falsidicalis*** (Walker)  
Distribution : Darjiling (Kurseong).
234. ***Diastictis artificialis*** Lederer  
Distribution : Kolkata.
235. ***Filodes fulvidorsalis*** (Geyer)  
Distribution : Kolkata and Darjiling (Kurseong).
236. ***Filodes sexpunctalis*** Snellen  
Distribution : Darjiling.
237. ***Phostria imbecilis*** Moore  
Distribution : Darjiling.
238. ***Phostria analis*** (Snellen)  
Distribution : Kolkata.
239. ***Dichocrocis evaxalis*** (Walker)  
Distribution : Kolkata.
240. ***Dichocrocis bistrigalis*** (Walker)  
Distribution : Darjiling.
241. ***Lamprosema niphealis*** Walker  
Distribution : Kolkata.
242. ***Lamprosema indicata*** (Fabricius)  
Distribution : Hugli.
243. ***Pilocrocis barcalis*** (Walker)  
Distribution : Kolkata.
244. ***Botyodes flavibasalis*** Moore  
Distribution : Kolkata.
245. ***Botyodes caldusalis*** (Walker)  
Distribution : Darjiling (Kurseong).
246. ***Sylepta sabinusalis*** (Walker)  
Distribution : Darjiling (Kurseong).
247. ***Sylepta gastralis*** (Walker)  
Distribution : Darjiling.
248. ***Sylepta derogata*** Fabricius  
Distribution : Kolkata.
249. ***Agathodes ostentalis*** (Hubner)  
Distribution : Darjiling.
250. ***Glyphodes canthusalis*** Walker  
Distribution : Kolkata and Darjiling.
251. ***Glyphodes pyloalis*** Walker  
Distribution : Darjiling.
252. ***Glyphodes caesalis*** Walker  
Distribution : Darjiling.
253. ***Glyphodes naralis***  
Distribution : Darjiling.
254. ***Diaphania laticostalis*** (Guenee)  
Distribution : Kolkata.
255. ***Diapania negatalis*** (Walker)  
Distribution : Kolkata.

256. ***Diaphania marginata*** (Hampson)  
Distribution : Kolkata and Darjiling (Kurseong).
257. ***Diaphania vertumnalis*** (Guenee)  
Distribution : Kolkata.
258. ***Diaphania glauculalis*** (Guenee)  
Distribution : Kolkata.
259. ***Diaphania unionalis*** (Hubner)  
Distribution : Darjiling.
260. ***Diaphania crithealis*** (Walker)  
Distribution : Darjiling.
261. ***Diaphnia bicolor*** (Swainson)  
Distribution : Kolkata.
262. ***Diaphnia indica*** (Saunders)  
Distribution : Bankura, Kolkata, Darjiling (Kurseong) and North 24 Pgs. (Barrackpore).
263. ***Pygospila tyres*** (Cramer)  
Distribution : Kolkata and Murshidabad (Jiyaganj).
264. ***Crocidolomia binotalis*** Zeller  
Distribution : Darjiling and Nadia.
265. ***Sameodes cancellalis***  
Distribution : Kolkata and South 24 Pgs. (Diamond Harbour).
266. ***Hyalobathra coenostolalis*** (Snellen)  
Distribution : Darjiling (Kurseong).
267. ***Hyalobathra opheltesalis*** (Walker)  
Distribution : Darjiling (Kurseong).
268. ***Crocidophora limbata*** (Moore)  
Distribution : Darjiling.
269. ***Crocidophora pallida*** Moore  
Distribution : Kolkata.
270. ***Crocidophora tyophora*** Hampson  
Distribution : Darjiling.
271. ***Tetridia caletoralis*** (Walker)  
Distribution : Bankura (Kotulpur), Darjiling and Murshidabad (Jiyaganj).
272. ***Polygrammodes spilosomoides*** (Moore)  
Distribution : Kolkata.
273. ***Polygrammodes sabelialis*** (Guenee)  
Distribution : Kolkata.
274. ***Nomophila noctuella*** (Schiffermuller)  
Distribution : Darjiling (Kurseong).
275. ***Psara bipunctalis*** (Fabricius)  
Distribution : Kolkata.
276. ***Psara licarsisalis*** (Walker)  
Distribution : Kolkata, Darjiling (Sonada) and Maldah (Haldibari).
277. ***Psara stultalis*** (Walker)  
Distribution : Kolkata, Darjiling (Kurseong).
278. ***Diasemia ramburialis*** (Duponchel)  
Distribution : Darjiling (Kurseong).
279. ***Diasemia litterata*** (Scopoli)  
Distribution : Darjiling (Kurseong).
280. ***Antigastra catalaunalis*** (Duponchel)  
Distribution : Kolkata and Hugli (Chinsurah).
281. ***Noorda blitealis*** Walker  
Distribution : Kolkata.
282. ***Boeotarcha martinalis*** (Walker)  
Distribution : Kolkata.
283. ***Calamochrous carnealis*** Swinhoe  
Distribution : Kolkata.
284. ***Pionea flavofimbriata*** (Moore)  
Distribution : Kolkata and Darjiling (Kurseong).
285. ***Pyrausta silhetalis*** Guenee  
Distribution : Darjiling.
286. ***Pyrausta machoeralis*** (Walker)  
Distribution : Kolkata, Darjiling (Kurseong).
287. ***Pyrausta eriopisalis*** (Walker)  
Distribution : Darjiling (Kurseong).
288. ***Pyrausta incoloralis*** (Guenee)  
Distribution : Darjiling (Kurseong).
289. ***Pycnarmon virgatalis*** Moore  
Distribution : Kolkata.
290. ***Pycnarmon caberalis*** (Guenee)  
Distribution : Kolkata.

291. *Agrotera basinotata* Hampson  
Distribution : Kolkata.

292. *Ercta elutalis* (Walker)  
Distribution : Kolkata.

293. *Ercta ornatalis* (Duponchel)  
Distribution : Kolkata.

294. *Marasmia venialis* (Walker)  
Distribution : Kolkata.

295. *Ceratarcha umbrosa* Swinhoe  
Distribution : Kolkata.

296. *Botyodes asialis* Guenee  
Distribution : Kolkata.

297. *Sylepta balteata* (Fabricius)  
Distribution : Kolkata.

298. *Sylepta lunalis* (Guenee)  
Distribution : Kolkata.

299. *Lygropia quaternalis* (Zeller)  
Distribution : Kolkata.

300. *Diaphania marinata* (Fabricius)  
Distribution : Kolkata.

301. *Diaphania hilaralis* (Walker)  
Distribution : Kolkata.

302. *Diaphania stolalis* (Guenee)  
Distribution : Kolkata.

303. *Diaphania bivitalis* (Guenee)  
Distribution : Kolkata.

304. *Glyphodes pyloalis* Walker  
Distribution : Kolkata.

305. *Euclasta defematalis* (Walker)  
Distribution : Kolkata.

306. *Nausinhoe neptis* (Cramer)  
Distribution : Kolkata.

307. *Nausinoe geometralis* Guenee  
Distribution : Kolkata.

308. *Analyta sigulalis* (Guenee)  
Distribution : Kolkata.

309. *Analyta melanopalis* (Guenee)  
Distribution : Kolkata.

310. *Leucinodes orbonalis* Guenee  
Distribution : Kolkata.

311. *Leucinodes apicalis* Hampson  
Distribution : Kolkata.

312. *Sameodes cancellalis* (Zeller)  
Distribution : Kolkata.

313. *Archernis tropicalis* (Walker)  
Distribution : Kolkata.

314. *Terastia meticulosalis* (Guenee)  
Distribution : Kolkata.

315. *Hyalobathra filalis* (Guenee)  
Distribution : Kolkata.

316. *Maruca testulalis* (Geyer)  
Distribution : Kolkata.

317. *Tetridia caletoralis* (Walker)  
Distribution : Kolkata.

318. *Antigastra catalaunalis* (Duponchel)  
Distribution : Kolkata.

319. *Noorda fessalis* (Swinhoe)  
Distribution : Kolkata.

320. *Pionea albicostalis* Swinhoe  
Distribution : Kolkata.

321. *Pionea leucanalis* Swinhoe  
Distribution : Kolkata.

322. *Coprinia conchylans*  
Distribution : Jalpaiguri (BTR).

323. *Nevnna procopia*  
Distribution : Jalpaiguri (BTR).

324. *Patna eboricostella*  
Distribution : Jalpaiguri (BTR).

325. *Pygospila tyres*  
Distribution : Jalpaiguri (BTR).

Family PYRALIDAE

326. *Coprinia conchylaris* Guen.  
Distribution : Jalpaiguri (BTR).

327. *Neurina procopia* Cram.  
Distribution : Jalpaiguri (BTR).

- Family SATURNIIDAE  
Subfamily SATURNIINAE
328. *Actias selene* (Huebner)  
*Distribution* : Kolkata, Darjiling (Darjiling) and North 24 Pgs. (Khardah).
329. *Sonthonnaxia maenas* (Doubleday)  
*Distribution* : Darjiling.
330. *Rhodinia newara* (Moore)  
*Distribution* : Darjiling.
331. *Antheraea paphia* (Linnaeus)  
*Distribution* : Kolkata, Darjiling (Kurseong), Hugli (Chandan nagar), Medinipur, North 24 Pgs. (Agarpara) and South 24 Pgs. (Akra, Champahati).
332. *Antheraea frithi* Moore  
*Distribution* : Darjiling.
333. *Antheraea roylei* Moore  
*Distribution* : Darjiling.
334. *Antharaea helferi* Moore  
*Distribution* : Darjiling.
335. *Loepa katinka* (Westwood)  
*Distribution* : Darjiling.
336. *Cricula trifenestrata* (Helfer)  
*Distribution* : Kolkata and Darjiling (Kurseong).
337. *Attacus atlas* (Linnaeus)  
*Distribution* : Darjiling.
338. *Archaeoattacus edwardsii* (White)  
*Distribution* : Darjiling.
339. *Samia cynthia* (Drury)  
*Distribution* : Darjiling (Darjiling, Kurseong) and Dinajpur.
340. *Rinaca zuleika* (Hope)  
*Distribution* : Darjiling (Darjiling Govt. College).
341. *Caligula thibeta extensa* (Butler)  
*Distribution* : Darjiling.
342. *Caligula anna* (Moore)  
*Distribution* : Darjiling.
343. *Caligula lindia* Moore  
*Distribution* : Darjiling.
344. *Neoris huttoni* Moore  
*Distribution* : Darjiling.
345. *Solus drepanoides* (Moore)  
*Distribution* : Darjiling.
- Subfamily SALASSINAE
346. *Salassa lola* (Westwood)  
*Distribution* : Darjiling (Ghoom Bhujang).
347. *Salassa royi* (Elwes)  
*Distribution* : Darjiling.
- Family LYCAENIDAE  
Subfamily PORITINAE
348. *Poritia hewitsoni hewitsoni* Moore  
*Distribution* : Not Known.
- Subfamily MILETINAE
349. *Allotinus drumila drumila* (Moore)  
*Distribution* : Darjiling.
- Subfamily LYCAENINAE
350. *Spalgis epeus epeus* (Westwood)  
*Distribution* : Kolkata and Maldah (Bholahat).
351. *Castalius rosimon rosimon* (Fabricius)  
*Distribution* : Kolkata, Jalpaiguri (BTR), Maldah (Bholahat) and Murshidabad (Raghunathganj, Sagardighi).
352. *Castalius caleta decidia* (Hewitson)  
*Distribution* : Maldah.
353. *Tarucus callinara* Butler  
*Distribution* : Maldah (Bholahat).
354. *Tarucus nara* (Kollar)  
*Distribution* : Kolkata, Maldah (Bholahat) and Murshidabad (Raghunathganj, Sagardighi, Jangipur, Chandan Mati).
355. *Tarucus balkanica nigra* (Bethune-Baker)  
*Distribution* : Maldah.
356. *Syntarucus plinius* (Fabricius)  
*Distribution* : Maldah (Bholahat).



357. *Azanius uranus* Butler  
*Distribution* : Maldah (Bholahat).
358. *Neopithecops zalmora* (Butler)  
*Distribution* : Kolkata, Maldah (Bholahat) and Murshidabad (Azimganj, Lal Bagh).
359. *Everes lacturnus assamica* Tytler  
*Distribution* : Maldah (Bholahat).
360. *Megisba malaya thwaitasi* (Moore)  
*Distribution* : Kolkata.
361. *Megisba malaya sikkima* (Moore)  
*Distribution* : Maldah.
362. *Celastrina limbata limbata* (Moore)  
*Distribution* : Not known.
363. *Celastrina dilectus* (Moore)  
*Distribution* : Maldah.
364. *Euchrysops cnejus* (Fabricius)  
*Distribution* : Maldah (Bholahat), Murshidabad (Jiyaganj, Raghunathganj), Kolkata, North 24 Pgs. (Belgharia) and South 24 Pgs. (Sonarpur, Canning).
365. *Euchrysops pandava pandava* (Horsfield)  
*Distribution* : Kolkata and North 24 Pgs. (Baranagar).
366. *Chilades laius laius* (Cramer)  
*Distribution* : Barddhaman (Bandel), Birbhum (Gonatea), Kolkata (Eden Garden), Maldah (Bholahat) and Nadia (Ranaghat).
367. *Freyeria trochilus putli* (Kollar)  
*Distribution* : Kolkata and Maldah (Bholahat).
368. *Zizula hylax* (Fabricius)  
*Distribution* : Kolkata, Maldah (Bholahat) and Murshidabad (Raghunathganj, Lal bagh, Sagardighi, Chandan Mati).
369. *Zizeeria maha* (Kollar)  
*Distribution* : Maldah (Bholahat), Murshidabad (Jiyaganj, Jangipur, Baharampur) and North 24 Pgs. (Bongaon).
370. *Zizeeria knysna karsandra* (Moore)  
*Distribution* : Kolkata, Maldah (Bholahat) and Murshidabad (Raghunathganj, Morgram, Phulbari, Lalbagh).
371. *Zizina otis sangra* (Moore)  
*Distribution* : Kolkata, Maldah (Bholahat) and Murshidabad (Raghunathganj, Amarpur, Morgram, Sagardighi, Chandan Mati).
372. *Anthene emolus emolus* (Godart)  
*Distribution* : Birbhum (Gonatea), Kolkata and Maldah (Bholahat).
373. *Anthene lycanoides lycambes* (Hewitson)  
*Distribution* : Birbhum (Gonatea), Kolkata, Darjiling, Maldah (Bholahat), Murshidabad (LalBagh) and North 24 Pgs. (Barrackpore).
374. *Catochrysops strabo strabo* (Fabricius)  
*Distribution* : Kolkata (Basdhari, Bansdroni), Jalpaiguri (BTR), Maldah (Bholahat), Murshidabad (Azimganj, Raghunathganj, Morgram, Sagardighi) and North 24 Pgs. (Bagaon).
375. *Lampides boeticus* (Linnaeus)  
*Distribution* : Kolkata, Maldah (Bholahat), Murshidabad (Azimganj, Jiyaganj, Raghunathganj, Char island, Amarpur, Jangipur, Dhanpat) and South 24 Pgs. (Budge Budge, Subhasgram).
- Family LYCAENIDAE
376. *Arhopala centaurus* (Fabricius)  
*Distribution* : Jalpaiguri (BTR).
377. *Thecla duma* Hewitson  
*Distribution* : Jalpaiguri (BTR).
378. *Castalius rosimon*  
*Distribution* : Jalpaiguri (BTR).
379. *Cheritra freja*  
*Distribution* : Jalpaiguri (BTR).
380. *Cyaniris akasa*  
*Distribution* : Jalpaiguri (BTR).

381. ***Cyaniris transpecta****Distribution* : Jalpaiguri (BTR).382. ***Loxura atymnus****Distribution* : Jalpaiguri (BTR).383. ***Lycaena iris****Distribution* : Jalpaiguri (BTR).384. ***Spindasis nipalicus****Distribution* : Jalpaiguri (BTR).385. ***Spindasis vulcanus****Distribution* : Kolkata.386. ***Tajuria yajna****Distribution* : Jalpaiguri (BTR).387. ***Zeltus amasa****Distribution* : Jalpaiguri (BTR).388. ***Abisara kausambi****Distribution* : Jalpaiguri (BTR).389. ***Leptotes plinius****Distribution* : Kolkata.390. ***Actolepis puspa****Distribution* : Kolkata.391. ***Loxura atymnus****Distribution* : Kolkata.392. ***Surendra quercetorum****Distribution* : Kolkata.393. ***Jamides celeno****Distribution* : Kolkata.394. ***Jamides bochus****Distribution* : Kolkata.395. ***Pseudozizeeria maha****Distribution* : Kolkata.396. ***Rathinda amor****Distribution* : Kolkata.397. ***Talicerca nyseus****Distribution* : Kolkata.398. ***Rapala manae****Distribution* : Kolkata.399. ***Amblypodia anita****Distribution* : Kolkata.400. ***Nacaduba hermus****Distribution* : Kolkata.401. ***Caleta caleta****Distribution* : Kolkata.

Family NYMPHALIDAE

402. ***Ariadne merione*** (Cramer)*Distribution* : Jalpaiguri (BTR).403. ***Vanessa cardui*** (Linnaeus)*Distribution* : Jalpaiguri (BTR).404. ***Eulepis athamus*** Drury*Distribution* : Jalpaiguri (BTR).405. ***Euripus halitheres*** Doubleday*Distribution* : Jalpaiguri (BTR).406. ***Euthalia kesava*** (Moore)*Distribution* : Jalpaiguri (BTR).407. ***Herona marathus*** Doubleday*Distribution* : Jalpaiguri (BTR).408. ***Issoria sinha*** (Kollar)*Distribution* : Jalpaiguri (BTR).409. ***Junonia almana*** (Linnaeus)*Distribution* : Jalpaiguri (BTR).410. ***Junonia atlites*** (Johanssen)*Distribution* : Jalpaiguri (BTR).411. ***Junonia iphita*** (Cramer)*Distribution* : Jalpaiguri (BTR).412. ***Junonia lemonias*** (Linnaeus)*Distribution* : Jalpaiguri (BTR).413. ***Limenitis procris*** (Cramer)*Distribution* : Jalpaiguri (BTR).414. ***Pantoporia nefte*** (Cramer)*Distribution* : Jalpaiguri (BTR).415. ***Vanessa cashmirensis*** Kollar*Distribution* : Jalpaiguri (BTR).416. ***Vanessa indica*** (Herbst)*Distribution* : Jalpaiguri (BTR).417. ***Doleschallia bisaltide*** (Cramer)*Distribution* : Jalpaiguri (BTR).418. ***Lethe verma****Distribution* : Jalpaiguri (BTR).

419. *Melanitis leda ismene*  
Distribution : Jalpaiguri (BTR).
420. *Mycalesis mineus*  
Distribution : Jalpaiguri (BTR).
421. *Orsotrioena medus medus*  
Distribution : Jalpaiguri (BTR).
422. *Ypthima baldus*  
Distribution : Jalpaiguri (BTR).
- Family NYMPHALIDAE
423. *Charaxes fabius fabius* (Fabricius)  
Distribution : Kolkata and North 24 Pgs.
424. *Charaxes polyxena hierax* Felder  
Distribution : Darjiling (Rambi) and Jalpaiguri (Mendabari Forest, Chilapata, BTR).
425. *Charaxes polyxena imna* Butler  
Distribution : Kolkata.
426. *Polyura athamas athamas* (Drury)  
Distribution : Kolkata, Jalpaiguri (BTR) and Maldah (Bholahat).
427. *Polyura dolon centralis* (Rothschild)  
Distribution : Darjiling.
428. *Polyura eudamippus eudamippus* (Doubleday)  
Distribution : Darjiling.
429. *Stibochiona nicea nicea* (Gray)  
Distribution : Darjiling.
430. *Dichorraglia nesimachus* (Boisduval)  
Distribution : Darjiling, Jalpaiguri (BTR).
431. *Cynthia cardui* (Linnaeus)  
Distribution : Maldah (Bholahat), Murshidabad (Mor Gram) and Kolkata.
432. *Kaniska canace canace* (Linnaeus)  
Distribution : Darjiling and Maldah (Bholahat).
433. *Aglais cashmirensis aesis* (Fruhstorfer)  
Distribution : Darjiling (Goomti, Kalimpong, Ghoombhujang, Kurseong, Risum, Lava, Chailkhiola) and Maldah.
434. *Vanessa egea agnicula* (Moore)  
Distribution : Jalpaiguri (Buxa).
435. *Vanessa indica indica* (Herbst)  
Distribution : Darjiling (Darjiling, Debrepani, Mahanadi, Kalimpong, Suba basti, Rangli, Rangpo) and Jalpaiguri (BTR).
436. *Vanessa cashmirensis* (Moore)  
Distribution : Jalpaiguri (BTR).
437. *Ariadne ariadne indica* (Moore)  
Distribution : Bankura (Basi, Bishnupur), Barddhaman (Adramati), Darjiling (Tumthang Khola), Hugli (Bandel), Jalpaiguri (BTR), Maldah (Gangarampur, Sahapur); Nadia (Kalyani, Ranaghat), North 24 Pgs. (Sodepur), Puruliya (Hathiahari), Jalpaiguri (BTR) and Kolkata.
438. *Ariadne merione assama* (Evans)  
Distribution : Kolkata, Haora (Chanditala, Botanical Garden) and Maldah (Manikchak).
439. *Chersonesia risa* (Doubleday)  
Distribution : Darjiling.
440. *Pseudergolis wedah* (Kollar)  
Distribution : Kolkata and Darjiling.
441. *Argyreus lathonia issoea* (Doubleday)  
Distribution : Darjiling.
442. *Argyreus hyperbius hyperbius* (Linnaeus)  
Distribution : Darjiling (Kurseong, Mahanadi, Mirik, Pedong, Lebong, Samsing) and Jalpaiguri.
443. *Argyreus childreni childreni* (Gray)  
Distribution : Darjiling (Sukhiapukri).
444. *Penthema lisarda lisarda* (Doubleday)  
Distribution : Darjiling.
445. *Hypolimnas misippus* (Linnaeus)  
Distribution : Bankura (Kumardanga), Birbhum, Kolkata, Darjiling (Goomti), Maldah (Bholahat) and North 24 Pgs.

446. ***Hypolimnas bolina*** (Linnaeus)  
*Distribution* : Bankura (Mukutmanipur), Kolkata, Darjiling (Kurseong), Jalpaiguri (Jaldapara, Nilpara, Hasimara, BTR) and Maldah (Bholahat).
447. ***Lebadea martha ismene*** (Doubleday)  
*Distribution* : Jalpaiguri (BTR).
448. ***Phalanta phalantha phalantha*** (Drury)  
*Distribution* : Birbhum (Santiniketan), Kolkata, Darjiling (Rambi, Bamanpokhri), Jalpaiguri (BTR), Maldah (Bholahat) and Dinajpur (Rampur).
449. ***Cethosia cyane*** (Drury)  
*Distribution* : Kolkata, Darjiling.
450. ***Cethosia biblis tisamena*** Frushstorfer  
*Distribution* : Darjiling (Kurseong, Darjiling), Jalpaiguri (BTR).
451. ***Auzakia danava*** (Moore)  
*Distribution* : Darjiling.
452. ***Kallima inachus inachus*** (Boisduval)  
*Distribution* : Darjiling (Darjiling, Bamanpokhri, Teesta) and Jalpaiguri (Reyang, BTR).
453. ***Kallima alompورا*** Moore  
*Distribution* : Jalpaiguri (Buxa).
454. ***Cyrestis thyodamas thyodamas*** Boisduval  
*Distribution* : Darjiling (Teesta).
455. ***Cirrochroa aoris aoris*** Doubleday  
*Distribution* : Darjiling (Great Rangit, Darjiling).
456. ***Cirrochroa tyche mithila*** Moore  
*Distribution* : Darjiling (Rambi), Maldah (Bholahat) and North 24 Pgs. (Barrackpore).
457. ***Vindula erota erota*** (Fabricius)  
*Distribution* : Darjiling (Darjiling, Kurseong).
458. ***Pantoporia hordonia hordonia*** (Stoll)  
*Distribution* : Kolkata, Darjiling (Darjiling, Rangpo, Singla, Bamanpokhri, Tung) and Maldah (Bholahat).
459. ***Pantoporia nefte***  
*Distribution* : Jalpaiguri (BTR).
460. ***Pantoporia ranga***  
*Distribution* : Jalpaiguri (BTR).
461. ***Abrota ganga*** Moore  
*Distribution* : Darjiling.
462. ***Sumalia daraxa*** (Doubleday)  
*Distribution* : Darjiling (Kurseong).
463. ***Sumalia zulema*** (Doubleday)  
*Distribution* : Darjiling (Kurseong).
464. ***Parasarpa zayla*** (Doubleday)  
*Distribution* : Darjiling.
465. ***Aconthea khasiana khasiana*** (Swinhoe)  
*Distribution* : Jalpaiguri (Buxa).
466. ***Symbrenthia hypselis cotanda*** Moore  
*Distribution* : Darjiling (Lingsaka) and Jalpaiguri (Buxa).
467. ***Symbrenthia hippoclus khasiana*** Moore  
*Distribution* : Darjiling (Goomti, Kurseong, Rambi, Sukna).
468. ***Moduza procris procris*** (Cramer)  
*Distribution* : Kolkata, Darjiling (Darjiling, Rangpo) and Jalpaiguri (Hasimara, Noorepore, Mendabari Forest, Chilapata).
469. ***Precis iphita iphita*** (Cramer)  
*Distribution* : Birbhum (Illambazar), Kolkata, Darjiling (Kurseong, Teesta valley, Teesta, Melti, Rangpo), Jalpaiguri (Jainti Forest, Reyang river) and Maldah.
470. ***Precis hierta magna*** Evans  
*Distribution* : Kolkata, Darjiling, Jalpaiguri (Raidak Forest, Santalabari), Maldah (Bholahat) and Medinipur (Haldia).
471. ***Precis atlites*** (Linnaeus)  
*Distribution* : Bankura (Bishnupur, Birai Jheel, Ahalya Bai Road), Birbhum (Santiniketan, Ballavpur), Kolkata, Darjiling (Jhalung, Sevok), Digha Forest, Haora (Abhirampur, Uluberia),

Jalpaiguri (Hanskhali), Maldah (Agricultural Farm, Ratua), Medinipur (Belda, Danton, Kesanitola), North 24 Pgs. (Nalbani, North Salt Lake, Sodepur, Natagarh, Krishnapur), Puruliya (Digha Forest, Ajodhya Hills) and Dinajpur (Rampur).

472. *Precis orithya ocyale* Huebner

*Distribution* : Bankura (Bishnupur Central Nursery, Ahalya bai Road, Gangajal ghati), Barddhaman (Soai Forest, Panagarh), Birbhum (Chandrapur, Bhachapur, Mallarpur), Darjiling (Darjiling, Barbatia basti, Bhanjeng Youth Hostel) and Murshidabad (Amarpur).

473. *Precis lemonias lemonias*  
(Linnaeus)

*Distribution* : Bankura (Sonamukhi Block Colony, Bishnupur), Birbhum (Santiniketan), Kolkata (Eden Gardens), Darjiling (Debrepani, H., Daling Coat, Jhalung, Mahanadi, Sukna, Naxalbari, Haora (Uluberia), Jalpaiguri (Chapramari Forest, Jainti Forest, Reyang F. R.), Medinipur (Jhargram, Arabari Reserve Forest, Danton, Belpahari), Murshidabad (Sagardighi, Nadia (Ranaghat) and North 24 Pgs. (Barrackpore).

474. *Precis almana almana* (Linnaeus)

*Distribution* : Bankura (Bishnupur, Birai Jheel, Joypur Forest, Kanchanpur Forest), Barddhaman (Adra Mati), Birbhum (Santiniketan, Illambazar), Kolkata (Bansdhani, Eden Gardens, Alipore), Darjiling (Kurseong, Mahanadi, Sukna, Sevok, Mirik bazar), Haora (Bally, Botanical Garden, Nischinda, Maheshpur), Hugli (Chandan nagar), Jalpaiguri (Santalbari, joyanti, Maldah (Alal, Tushi hata, Haldi, Bari, Chanchali, Ratua), Mathwari, Medinipur (Reghumathpur Seed Farm, Brahman mundi, Circuit House Compound, Murshidabad (Morgram), Nadia (Kalyani), North 24 Pgs. (Dhapa, Duttabad, Hediari hat, Prafulla nagar, Natagarh), Puruliya (Mathwari), South 24 Pgs. (Kakdwip, Govindapur) and Dinajpur (Raiganj, Rampur).

475. *Apatura parisatis parisatis*  
Westwood

*Distribution* : Darjiling (Ghoom).

476. *Apatura ambica ambica* Kollar  
*Distribution* : Darjiling (Kurseong).

477. *Apatura sordida sordida* Moore  
*Distribution* : Darjiling.

478. *Euthalia nais* (Forster)

*Distribution* : Bankura (Sushunia Hills, Mukutmanipur, Jangle mahal), Barddhaman (Panagarh), Maldah (Bholahat), Medinipur (Jhargram) and Murshidabad (Berhampore).

479. *Euthalia aconthea*

*Distribution* : Kolkata.

480. *Euthalia anosia saitaphernes*  
Fruhstorfer

*Distribution* : Darjiling.

481. *Euthalia telchinia* Ménétries

*Distribution* : Darjiling.

482. *Euthalia lubentina indica* Fruhstorfer  
*Distribution* : Kolkata, Darjiling.

483. *Euthalia garuda garuda* (Moore)

*Distribution* : Bankura (Jungle mahal, Joypur), Birbhum (Illambazar), Kolkata, Darjiling and Maldah (Bholahat).

484. *Euthalia phemius* (Doubleday)

*Distribution* : Darjiling (River Teesta, Peran Nallah, Rangpo, Singla, Teesta) and Jalpaiguri (Buxa, Reyang FRH).

485. *Euthalia francae francae* (Gray)  
*Distribution* : Darjiling.

486. *Euthalia kesava* (Gray)

*Distribution* : Jalpaiguri (BTR).

487. *Euthalia sahadeva sahadeva*  
(Moore)

*Distribution* : Darjiling.

488. *Tanaecia lepidea lepidea* (Butler)

*Distribution* : Darjiling (Reyang, Tindharia) and Medinipur (Chandrakona Road), Jalpaiguri (BTR).

489. *Tanaecia julii appiades* (Ménétries)  
*Distribution* : Darjiling and Murshidabad.
490. *Tanaecia jahnu* (Moore)  
*Distribution* : Jalpaiguri (Bank of Reyang river).
491. *Athyma perius* (Linnaeus)  
*Distribution* : Barddhaman (Panagarh, Soai Forest), Kolkata, Darjiling (Tumthang Khola, Rangpo), Jalpaiguri (Teesta, Apalchand, BTR, Kathambari) and Maldah (Bholahat).
492. *Athyma selenophora selenophora* (Kollar)  
*Distribution* : Darjiling (Teesta).
493. *Athyma zeroa* (Moore)  
*Distribution* : Darjiling (Tindharia), Jalpaiguri (Buxa).
494. *Athyma nefte inara* (Doubleday)  
*Distribution* : Darjiling (Kalimpong, Dhurumkhola) and Jalpaiguri (Mendabari Forest, Chilapati, Noorepore).
495. *Athyma cama* Moore  
*Distribution* : Jalpaiguri (Buxa).
496. *Athyma opalina orientalis* (Elwes)  
*Distribution* : Jalpaiguri (Buxa).
497. *Athyma ranga ranga* Moore  
*Distribution* : Darjiling.
498. *Phaedyma columella ophiana* (Moore)  
*Distribution* : Kolkata and Darjiling (Rangpo).
499. *Neptis jumbah jumbah* Moore  
*Distribution* : Kolkata and South 24 Pgs. (Sunderbans).
500. *Neptis hylas astola* Moore  
*Distribution* : Kolkata, Darjiling (Kalimpong, Goke, Singla, Tumthang khola) and Jalpaiguri (Reyang).
501. *Neptis soma* Moore  
*Distribution* : Darjiling (Tumthang Khola, Rangpo) and Jalpaiguri (BTR).
502. *Neptis nandina susruta* Moore  
*Distribution* : Darjiling (Teesta valeey, Rangpo, East Gommara, Rangli, Kurseong) and Jalpaiguri (Reyang, Reyang nallah).
503. *Neptis ananta ochracea* Evans  
*Distribution* : Darjiling (Kurseong).
504. *Neptis cartica cartica* Moore  
*Distribution* : Darjiling.
505. *Neptis sankara quilta* Swinhoe  
*Distribution* : Jalpaiguri (Reyang river bank).
506. *Neptis vikasi pseudovikasi* (Moore)  
*Distribution* : Darjiling (Darjiling, Kalimpong).
507. *Neptis harita* Moore  
*Distribution* : Kolkata and Darjiling.
508. *Neptis viraja viraja* Moore  
*Distribution* : Jalpaiguri (Buxa, Reyang).
509. *Neptis paraka* Moore  
*Distribution* : Jalpaiguri (BTR).
510. *Neptis mian* Moore  
*Distribution* : Jalpaiguri (BTR).
511. *Neptis narayana narayana* Moore  
*Distribution* : Jalpaiguri (Buxa).
512. *Neptis radha radha* Moore  
*Distribution* : Darjiling.
513. *Sephisa chandra* (Moore)  
*Distribution* : Darjiling.
514. *Euripus consimilis consimilis* (Westwood)  
*Distribution* : Jalpaiguri (Buxa).
515. *Diagora persimilis persimilis* (Westwood)  
*Distribution* : Darjiling.
- Family NYMPHALIDAE  
Subfamily DANAINAE
516. *Danaus (Anosia) chrysippus chrysippus* (Linnaeus)  
*Distribution* : North 24 Pgs. (Barrackpur, Panpara, Dunlop Bridge, Krishnapur, Natagarh,

Sodepur), South 24 Pgs. (Laxmikantapur, Sonarpur), Bankura (Birai Jheel, Jamuna Bandh, Bishnupur), Bardhaman (Balagarh, Dhatrigram, Durgapur), Birbhum (Bolepur, Chandrapur, Siuri, Ballavpur, Sainthia, Birchandrapur), Kolkata (Dhapa, Eden Gardens, SaltLake, Alipur), Darjiling (Teesta), Haora (Santragachi), Hugli (Bandel, Bhadreswar, Tarakeswar, Chandannagar), Jalpaiguri (Gorumara), Medinipur (Arabati Forest, Sankarpur forest, Digha) and Nadia (Ranaghat).

517. *Danaus (Salatura) genutia genutia* (Cramer)

*Distribution* : North 24 Pgs. (Krishnapur, Sodepur), Bankura (Jangal mahal, Jaipur), Bardhaman (Kanksa Forest, Panagarh), Kolkata, Darjiling (Rangpo), Hugli (Altara, Mankundu), Murshidabad (Beldanga), Jalpaiguri (BTR).

518. *Danaus (Salatura) melanippus indicus* (Cramer)

*Distribution* : South 24 Pgs. (Sunderban, Gochara) and Kolkata.

519. *Euploea alcereae core* (Cramer)

*Distribution* : North 24 Pgs. (Sodepur, Natagarh), South 24 Pgs. (Kakdwip), Bankura (Jangal mahal, Joypur) Birbhum (Siuri, Kachijur, Illambazar), Kolkata (Alipur), Darjiling (Teesta), Hugli (Bhadreswar), Medinipur (Chandrakona Road, Salbani, Sankarpur Forest, Digha), Jalpaiguri (BTR).

520. *Euploea algae deione* Westwood.

*Distribution* : Not known.

521. *Euploea crameri nicevillei* Lucas

*Distribution* : South 24 Pgs.

522. *Euploea doubledayi doubledayi* Felder

*Distribution* : Not known.

523. *Euploea klugii klugii* Moore

*Distribution* : Jalpaiguri (Rydak Forest) and Maldah.

524. *Euploea klugii kollari* C. & R. Felder  
*Distribution* : North 24 Pgs., Kolkata.

525. *Euploea midamus rogenhoferi* (Linnaeus)

*Distribution* : Darjiling (Mirik Hill).

526. *Euploea mulciber mulciber* (Cramer)

*Distribution* : Darjiling (Singla, Teesta, Rangli, Bista Sanctuary, Andharikhola Mansong), Hugli (Bali) and Jalpaiguri (Bhuttaghar, BTR).

527. *Euploea radamanthus ramsayi* (Moore)

*Distribution* : Jalpaiguri (BTR).

528. *Euploea sylvesiter hopei* C & R Felder

*Distribution* : Darjiling.

529. *Idea agamarschana agamarschana* (C. & R. Felder)

*Distribution* : South 24 Pgs. (Sunderbans).

530. *Parantica aglea melanoides* Moore

*Distribution* : Darjiling (Andharikhola, Rangpo, Reyang) and Jalpaiguri (Rydak Forest).

531. *Parantica aglea aglae* (Stoll)

*Distribution* : Kolkata, North 24 Pgs., Jalpaiguri (BTR).

532. *Tirumala limniace* (Cramer)

*Distribution* : North 24 Pgs. (Gobardanga, Barrackpur), South 24 Pgs. (Sonarpur), Bankura (Jaypur Forest), Bardhaman (Durgapur), Birbhum (Bolepur), Kolkata (Eden Gardens, Goria), Darjiling (Sonada, Teesta), Haora (Botanical Garden, Andul), Hugli (Bandel), Jalpaiguri (BTR).

533. *Tirumala septentriornis septentriornis* (Butler)

*Distribution* : Darjiling (Rangpo).

534. *Parantica melaneus plataniston* (Fruhstorfer)

*Distribution* : Darjiling and Jalpaiguri (Jainti forest).

535. *Mycantis leda*  
Distribution : Kolkata.
536. *Nycantis perseus*  
Distribution : Kolkata.
537. *Ypthima baldus*  
Distribution : Kolkata.
538. *Ypthima huebneri*  
Distribution : Kolkata.
539. *Ypthi asterope*  
Distribution : Kolkata.
540. *Acraea vialae*  
Distribution : Kolkata.
541. *Elymnias hypermenstra*  
Distribution : Kolkata.
542. *Junonia orithya*  
Distribution : Kolkata.
543. *Phalanta alcippe*  
Distribution : Kolkata.
- Family AGARISTIDAE
544. *Eusemia negrita* Hampson  
Distribution : Jalpaiguri (BTR).
- Family GEOMETRIDAE
545. *Eusehema militaris* Linn.  
Distribution : Jalpaiguri (BTR).
546. *Hyposidra talaca* Wlk.  
Distribution : Jalpaiguri (BTR).
547. *Macaria fasciata* (F.)  
Distribution : Jalpaiguri (BTR).
548. *Problepsis delphiaria* Guen.  
Distribution : Jalpaiguri (BTR).
- Family GEOMETRIDAE
549. *Bapta platyleucata* (Walker)  
Distribution : Darjiling (Kurseong).
550. *Pristostegania trilineata* (Moore)  
Distribution : Darjiling (Kurseong).
551. *Pseudopanthera himalayica*  
(Kollar)  
Distribution : Darjiling.
552. *Eurytaphria undilineata* Warren  
Distribution : Darjiling (Kurseong).
553. *Luxiaria contigaria* (Walker)  
Distribution : Darjiling (Kurseong).
554. *Macaria pluviata* (Fabricius)  
Distribution : Kolkata, Darjiling.
555. *Macaria fasciata*  
Distribution : Jalpaiguri (BTR).
556. *Gnophos muscosaria* Walker  
Distribution : Darjiling.
557. *Boarmia diversicolor* (Warren)  
Distribution : Darjiling.
558. *Boarmia selenaria* (Schiffermuller)  
Distribution : Darjiling (Kurseong).
559. *Boarmia alienaria* Walker  
Distribution : Darjiling.
560. *Boarmia atrostipata* (Walker)  
Distribution : Darjiling (Govt. House).
561. *Boarmia combustaria* (Walker)  
Distribution : Darjiling.
562. *Psilalcis inceptaria* (Walker)  
Distribution : Darjiling (Kurseong).
- Subfamily LARENTIINAE
563. *Naxidia punctata* (Butler)  
Distribution : Darjiling (Kurseong).
564. *Naxidia irrorata* (Moore)  
Distribution : Darjiling (Kurseong).
565. *Hypenorhynchus erectilineatum*  
(Moore)  
Distribution : Darjiling (Kurseong).
566. *Collix ghosha* Walker  
Distribution : Darjiling (Kurseong).
567. *Collix hyospilata* Guenée  
Distribution : Darjiling (Kurseong).
568. *Cataclysmes conturbata* (Walker)  
Distribution : Darjiling (Mal).
569. *Cidaria scortea* Swinhoe  
Distribution : Darjiling (Kurseong).



570. *Cidaria* sp.

*Distribution* : Darjiling.

571. *Cidaria curcumata* Moore

*Distribution* : Darjiling (Kurseong).

572. *Phthonoloba decussata* (Moore)

*Distribution* : Darjiling (Kurseong).

573. *Sauris hirudinata* Guenée

*Distribution* : Darjiling (Kurseong).

574. *Asthena plurilinearia* (Moore)

*Distribution* : Darjiling (Kurseong).

## Subfamily STERRHINAE

575. *Scopula moorei* (Cotes and Swinhoe)

*Distribution* : Darjiling (Kurseong).

576. *Scopula walkeri* (Butler)

*Distribution* : Darjiling (Kurseong).

577. *Scopula fluidaria* (Swinhoe)

*Distribution* : Darjiling (Kurseong).

578. *Scopula pulchellata* (Fabricius)

*Distribution* : Kolkata (Salt Lake).

579. *Scopula fibulata* (Guenée)

*Distribution* : Darjiling (Kurseong).

580. *Scopula aspilataria* (Walker)

*Distribution* : Darjiling (Kurseong).

581. *Scopula actuaria* (Walker)

*Distribution* : Darjiling (Kurseong).

582. *Scopula remotata* (Guenée)

*Distribution* : Kolkata, Darjiling.

583. *Sterrha actiosaria* (Walker)

*Distribution* : Darjiling (Kurseong).

584. *Synegiodes hyriaria* (Walker)

*Distribution* : Darjiling (Kurseong).

585. *Anisodes absconditaria* Walker

*Distribution* : Darjiling (Kurseong).

586. *Traminda* sp.

*Distribution* : Kolkata.

587. *Problepsis vulgaris* Butler

*Distribution* : Darjiling (Rangaroon F. R. H.).

588. *Calothysanis convectaria* (Walker)

*Distribution* : Darjiling (Kurseong).

## Subfamily HEMITHEINAE

589. *Epipristis minimaria* (Guenée)

*Distribution* : Darjiling (Kurseong).

590. *Chlorodontopera discospilata*

(Moore)

*Distribution* : Darjiling.

591. *Agathia lycaenaria* (Kollar)

*Distribution* : Kolkata and South 24 Pgs. (Dakshinpara, Thakurpukur).

592. *Hemithea distinctaria* (Walker)

*Distribution* : Darjiling.

593. *Tanaorhinus kina* Swinhoe

*Distribution* : Darjiling (Rangaroon).

594. *Thalassodes opalina* Butler

*Distribution* : Darjiling and Jalpaiguri (Sulkapara).

595. *Gelasma goniaria* (Felder)

*Distribution* : Kolkata.

596. *Euschema militaris*

*Distribution* : Jalpaiguri (BTR).

597. *Hyposidra talaca*

*Distribution* : Jalpaiguri (BTR).

598. *Problepsis delphiana*

*Distribution* : Jalpaiguri (BTR).

599. *Trigonodes disjuncta*

*Distribution* : Jalpaiguri (BTR).

## Family LIMACODIDAE

600. *Mahanta quadrilinea* Moore

*Distribution* : Jalpaiguri (BTR).

## Family NOCTUIDAE

601. *Dichromia orosia* Cram.

*Distribution* : Jalpaiguri (BTR).

602. *Diema strigata* Moore

*Distribution* : Jalpaiguri (BTR).

603. *Episparis varialis* Wlk.

*Distribution* : Jalpaiguri (BTR).

604. *Fodina stola* Guen.

*Distribution* : Jalpaiguri (BTR).

605. *Nyctipao caprimulgus* F.  
Distribution : Jalpaiguri (BTR).
606. *Nyctipao crepuscularis* L.  
Distribution : Jalpaiguri (BTR).
607. *Nyctipao hieroglyphica* Drury  
Distribution : Jalpaiguri (BTR).
608. *Trigonodes disjuncta* Moore  
Distribution : Jalpaiguri (BTR).
- Family NOTODONTIDAE
609. *Cerura liturata* Wlk.  
Distribution : Jalpaiguri (BTR).
- Family SPHINGIDAE
610. *Cephonodes hylas hylas* (L.)  
Distribution : Jalpaiguri (BTR).
611. *Macroglossum belis* (L.)  
Distribution : Jalpaiguri (BTR).
612. *Oxyambulyx matti* Jord.  
Distribution : Jalpaiguri (BTR).
- Family SPHINGIDAE
- Subfamily ACHERONTIINAE
613. *Acherontia lachesis* (Fabricius)  
Distribution : Kolkata and North 24 Pgs.  
(Nabapali, Barasat).
614. *Acherontia styx* (Westwood)  
Distribution : Bankura (Ganga jachati),  
Bardhaman (Kalna) and Kolkata.
615. *Herse convolvuli* (Linnaeus)  
Distribution : Not Known.
616. *Megacorma obliqua* (Walker)  
Distribution : Darjiling (Governor House  
Compound).
617. *Meganoton analis* (Felder)  
Distribution : Darjiling.
618. *Psilogramma m. menephron*  
(Cramer)  
Distribution : Not known.
619. *Apocalypsis velox* Butler  
Distribution : Darjiling.
- Subfamily AMBULICINAE
620. *Compsogene panopus panopus*  
(Cramer)  
Distribution : Darjiling.
621. *Compsogene mansonii* Clark  
Distribution : Darjiling (Kurseong).
622. *Oxyambulyx maculifera* (Walker)  
Distribution : Darjiling.
623. *Oxyambulyx liturata liturata*  
(Butler)  
Distribution : Darjiling.
624. *Oxyambulyx substrigilis*  
*substrigilis* (Westwood)  
Distribution : Not known.
625. *Oxyambulyx matti* Jordan  
Distribution : Darjiling (Mahanadi, Goomti  
tea garden) and Jalpaiguri (BTR).
626. *Clanis phalaris* (Cramer)  
Distribution : Darjiling.
627. *Clanis bilineata bilineata* (Walker)  
Distribution : Darjiling.
628. *Leucophlebia lineata* Westwood  
Distribution : Not known.
629. *Marumba cristata cristata*  
(Butler)  
Distribution : Darjiling.
630. *Marumba spectabilis spectabilis*  
(Butler)  
Distribution : Darjiling.
631. *Marumba dyras dyras* (Walker)  
Distribution : Darjiling.
632. *Rhodoprasina floralis* (Butler)  
Distribution : Darjiling.
633. *Agnosia orneus* (Westwood)  
Distribution : Darjiling.
634. *Parum porphyria* (Butler)  
Distribution : Darjiling.
635. *Cypa decolor decolor* (Walker)  
Distribution : Darjiling.

636. *Callambulyx rubricosa rubicosa*  
(Walker)

*Distribution* : Kolkata and Darjiling.

637. *Anambulyx elwesi* (Druce)

*Distribution* : Darjiling.

Subfamily SESIINAE

638. *Cephonodes hylas hylas* (Linnaeus)

*Distribution* : Kolkata, Darjiling (Rangpo, West bank of Teesta) and Jalpaiguri (BTR).

639. *Sataspes infernalis* (Westwood)

*Distribution* : Darjiling.

Subfamily PHILAMPELINAЕ

640. *Deilephila nerii* (Linnaeus)

*Distribution* : Kolkata.

641. *Deilephila hypothous hypothous*  
(Cramer)

*Distribution* : Kolkata.

642. *Ampelophaga khasiana khasiana*  
Rothschild

*Distribution* : Darjiling (Manibhanjang).

643. *Elibia dolichus* (Westwood)

*Distribution* : Darjiling and Jalpaiguri (Rydak Forest).

644. *Acosmeryx naga* (Moore)

*Distribution* : Darjiling.

645. *Acosmeryx anceus subdentata*  
(Moore) non Stoll

*Distribution* : Not known.

646. *Lepchina tridens* Oberthür

*Distribution* : Darjiling.

647. *Panacra busiris busiris* Walker

*Distribution* : Not Known.

648. *Panacra moseri* Gehlen

*Distribution* : Darjiling (Rungrong valley).

649. *Panacra perfecta* Butler

*Distribution* : Darjiling.

650. *Panacra myrdon* Walker

*Distribution* : Kolkata and North 24 Pgs. (Barrackpore).

651. *Nephele didyma* (Fabricius)

*Distribution* : Kolkata.

652. *Gurelca hjas* (Walker)

*Distribution* : Darjiling.

653. *Eurypteryx bhaga bhaga* (Moore)

*Distribution* : Not Known.

654. *Macroglossum gyrans* (Walker)

*Distribution* : Bankura (Ajodhya).

655. *Macroglossum belis* (Linnaeus)

*Distribution* : Darjiling, Jalpaiguri (BTR).

656. *Macroglossum assimilis* Swainson

*Distribution* : Kolkata.

657. *Macroglossum pyrrhosticta*  
(Butler)

*Distribution* : Darjiling.

658. *Macroglossum troglodytus*  
(Boisduval)

*Distribution* : Darjiling.

659. *Macroglossum glaucoptera*  
(Butler)

*Distribution* : Kolkata.

660. *Macroglossum aquila* (Boisduval)

*Distribution* : Darjiling.

Subfamily CHOEROCAMPINAE

661. *Pergesa elpenor rivularis*  
(Boisduval)

*Distribution* : Bardhaman (Kalna) and Darjiling.

662. *Hippotion velox* (Fabricius)

*Distribution* : Not known.

663. *Hippotion celerio* (Linnaeus)

*Distribution* : Murshidabad.

664. *Hippotion boerhaviae* (Fabricius)

*Distribution* : Birbhum (Chandrapur Forest) and Darjiling (Mahanadi Goomti Tea factory).

665. *Theretra nessus* (Drury)

*Distribution* : Kolkata.

666. *Theretra clotho clotho* (Drury)

*Distribution* : Kolkata, Darjiling and Medinipur (Haldia Bhavan).

667. *Theretra latreillei lucasi* Walker  
Distribution : Darjiling and Murshidabad.
668. *Theretra alecto alecto* (Linnaeus)  
Distribution : Kolkata, Darjiling and Murshidabad.
669. *Theretra lycetus* (Cramer)  
Distribution : Not Known.
670. *Theretra oldenlandiae oldenlandiae* (Fabricius)  
Distribution : Bankura (Susunia) and Kolkata.
671. *Theretra pinastrina pinastrina* (Martyn)  
Distribution : Bankura (Patrasayar, Bishnupur, Susunia), Barddhaman (Kalna) and Kolkata.
672. *Rhyncholaba acteus* (Cramer)  
Distribution : Barddhaman (Kalna) and Kolkata.
673. *Rhagastis velata* (Walker)  
Distribution : Darjiling.
674. *Rhagastis confusa* Rothschild & Jordan  
Distribution : Darjiling (Hima Falls, Ghoombhanjang).
675. *Rhagastis lunata lunata* (Rothschild)  
Distribution : Darjiling.
676. *Rhagastis olivacea* (Moore)  
Distribution : Darjiling.
677. *Rhagastis gloriosa* (Butler)  
Distribution : Darjiling.
678. *Cechenena minor minor* (Butler)  
Distribution : Darjiling.
679. *Cechenena lineosa lineosa* (Walker)  
Distribution : Darjiling.  
Subfamily LASIOCAMPIDAE
680. *Gastropacha divaricata* Moore  
Distribution : Darjiling.
681. *Stenophylloides sikkima* (Moore)  
Distribution : Darjiling.
682. *Stenophylloides sinuata* (Moore)  
Distribution : Darjiling.
683. *Crinocraspeda torrida* (Moore)  
Distribution : Darjiling.
684. *Kosala flavosignata* (Moore)  
Distribution : Darjiling.
685. *Trabala vishnou* (Lefebvre)  
Distribution : Bankura (Jangal mahal, Joypur), Kolkata (Eden Gardens) and Jalpaiguri.
686. *Metanastria lidderdalii* (Butler)  
Distribution : Darjiling.
687. *Metanastria lineata* (Moore)  
Distribution : Darjiling.
688. *Metanastria obliquifascia* Swinhoe  
Distribution : Darjiling.
689. *Taragama dorsalis* (Walker)  
Distribution : Kolkata and Murshidabad.
690. *Taragama siva* (Lefebvre)  
Distribution : Kolkata (Eden Gardens).
691. *Lebeda nobilis* Walker  
Distribution : Darjiling.
692. *Suana concolor* (Walker)  
Distribution : Darjiling.
693. *Dendrolimus fulgens* (Moore)  
Distribution : Darjiling.
694. *Dendrolimus latipennis* (Walker)  
Distribution : Kolkata and Darjiling (Tindharia).
695. *Dendrolimus hyrtaca* (Cramer)  
Distribution : Kolkata and Darjiling (Ghumbhanjang).
696. *Dendrolimus plagifera* (Walker)  
Distribution : Darjiling.
697. *Arguda bheroba* (Moore)  
Distribution : Darjiling.
698. *Arguda decurtata* Moore  
Distribution : Darjiling.
699. *Arguda vinata* (Moore)  
Distribution : Darjiling.

700. *Bharetta cinnamomea* Moore  
Distribution : Darjiling.
701. *Syrastrina minor* (Moore)  
Distribution : Darjiling.
702. *Cosmotriche lidderalii* (Druce)  
Distribution : Darjiling.
703. *Cosmotriche pyriformis* (Moore)  
Distribution : Darjiling.
704. *Cosmotriche signata* (Moore)  
Distribution : Darjiling.
- Subfamily LYMANTRIIDAE
705. *Dasychira horsfieldi* (Saunders)  
Distribution : Darjiling.
706. *Dasychira flavimacula* Moore  
Distribution : Darjiling.
707. *Dasychira tenebrosa* Walker  
Distribution : Darjiling.
708. *Dasychira virescens* (Moore)  
Distribution : Darjiling.
709. *Dasychira varia* Walker  
Distribution : Darjiling.
710. *Dasychira thwaitesi* Moore  
Distribution : Darjiling.
711. *Dasychira cymata* Swinhoe  
Distribution : Darjiling.
712. *Dasychira cinctata* Moore  
Distribution : Darjiling.
713. *Dasychira complicata* Walker  
Distribution : Darjiling and North 24 Pgs.  
(Barrackpore).
714. *Dasychira albescens* Moore  
Distribution : Darjiling.
715. *Dasychira strigata* Moore  
Distribution : Darjiling.
716. *Dasychira brunnescens* Moore  
Distribution : Darjiling.
717. *Dasychira perdix* Moore  
Distribution : Darjiling.
718. *Dasychira bhana* Moore  
Distribution : Darjiling.
719. *Orgyia australis ocularis* Walker  
Distribution : Kolkata.
720. *Aroa socrus* (Geyer)  
Distribution : Kolkata.
721. *Aroa ochracea* (Moore)  
Distribution : Kolkata.
722. *Cifuna locuples* Walker  
Distribution : Not Known.
723. *Cifuna cervina* (Moore)  
Distribution : Darjiling.
724. *Laelia testacea* (Walker)  
Distribution : Bardhaman.
725. *Laelia atestacea* Hampson  
Distribution : Darjiling.
726. *Laelia devestita* (Walker)  
Distribution : Darjiling.
727. *Laelia fasciata* (Moore)  
Distribution : Not Known.
728. *Laelia venosa* Moore  
Distribution : Darjiling.
729. *Stilpnotia cygna* (Moore)  
Distribution : Darjiling.
730. *Euzora costalis* (Moore)  
Distribution : Darjiling.
731. *Leucoma divisa* (Walker)  
Distribution : Darjiling.
732. *Leucoma diaphana* Moore  
Distribution : Darjiling.
733. *Leucoma submarginata* (Walker)  
Distribution : Kolkata and Darjiling.
734. *Kanchia subvitrea* (Walker)  
Distribution : Not Known.
735. *Pantana visum* (Hübner)  
Distribution : Kolkata.
736. *Pantana bicolor* (Walker)  
Distribution : Darjiling.

737. ***Pantana albifascia*** Walker  
Distribution : Darjiling.
738. ***Pida apicalis*** Walker  
Distribution : Darjiling.
739. ***Pida decolorata*** (Walker)  
Distribution: Darjiling.
740. ***Numenes patrana*** Moore  
Distribution : Kolkata and Darjiling.
741. ***Daplasa irrorata*** Moore  
Distribution : Darjiling.
742. ***Himala argentea*** (Walker)  
Distribution : Darjiling.
743. ***Lymantria mathura*** Moore  
Distribution : Darjiling.
744. ***Lymantria serva*** (Fabricius)  
Distribution : Darjiling.
745. ***Lymantria similis*** Moore  
Distribution : Kolkata.
746. ***Lymantria marginata*** Walker  
Distribution : Darjiling.
747. ***Lymantria semicineta*** (Walker)  
Distribution : Birbhum (Choricha Forest) and Darjiling.
748. ***Lymantria todara*** Moore  
Distribution : Darjiling (Tindharia).
749. ***Lymantria grandis*** Walker  
Distribution : Darjiling.
750. ***Lymantria lepcha*** (Moore)  
Distribution : Darjiling.
751. ***Lymantria grisea*** Moore  
Distribution : Darjiling.
752. ***Lymantria ampla*** (Walker)  
Distribution : Kolkata and Murshidabad.
753. ***Lymantria bivittata*** (Moore)  
Distribution : Darjiling.
754. ***Lymantria asoetria*** Hübner  
Distribution : Kolkata.
755. ***Perina nuda*** (Fabricius)  
Distribution : Kolkata.
756. ***Perina pura*** Walker  
Distribution : Kolkata.
757. ***Porthesia xanthorrhoea*** (Kollar)  
Distribution : Birbhum (Mallarpur).
758. ***Porthesia scintillans*** (Walker)  
Distribution : Kolkata, Darjiling and Medinipur.
759. ***Porthesia euproctiformis*** Strand  
Distribution : Darjiling.
760. ***Euproctis latifascia*** (Walker)  
Distribution : Darjiling.
761. ***Euproctis lunata*** Walker  
Distribution : Kolkata.
762. ***Euproctis plana*** Walker  
Distribution : Darjiling.
763. ***Euproctis varians*** (Walker)  
Distribution : Kolkata.
764. ***Euproctis digramma*** (Guérin)  
Distribution : Kolkata.
765. ***Euproctis dispersa*** (Moore)  
Distribution : Darjiling.
766. ***Euproctis subfasciata*** (Walker)  
Distribution : Kolkata.
767. ***Euproctis venosa*** (Moore)  
Distribution : Darjiling.
768. ***Euproctis variegata*** Moore  
Distribution : Darjiling.
769. ***Euproctis plagiata*** (Walker)  
Distribution : Darjiling.
770. ***Euproctis marginata*** (Moore)  
Distribution : Darjiling (Kurseong).
771. ***Euproctis uniformis*** (Moore)  
Distribution : Darjiling.
772. ***Euproctis bipartita*** (Moore)  
Distribution : Darjiling.
773. ***Euproctis oreosaura*** (Swinhoe)  
Distribution : Darjiling.
774. ***Euproctis howra*** (Moore)  
Distribution : Kolkata.

775. *Euproctis semisignata* (Walker)  
Distribution : Darjiling (Lepchajagat).
776. *Euproctis lativitta* (Moore)  
Distribution : Darjiling.
777. *Euproctis postincisa* Moore  
Distribution : Not known.
778. *Euproctis magna* (Swinhoe)  
Distribution : Darjiling (Governor House compound).
779. *Euproctis inconcisa* (Walker)  
Distribution : Darjiling.
780. *Euproctis divisa* (Walker)  
Distribution : Darjiling (Ghoombhanjang, Lepchajagat, Manibhanjang, Mahanadi, Goomti tea factory ).
781. *Euproctis basalis* (Moore)  
Distribution : Darjiling.
782. *Euproctis immaculata* (Butler)  
Distribution : Darjiling.
783. *Euproctis madana* Moore  
Distribution : Darjiling.
784. *Mardara plagidotata* (Walker)  
Distribution : Darjiling.
785. *Mardara calligramma* Walker  
Distribution : Darjiling.
786. *Mardara irrorata* (Moore)  
Distribution : Darjiling.
787. *Heracula discivitta* Moore  
Distribution : Darjiling.
788. *Cispia punctifascia* Walker  
Distribution : Darjiling (River bank of Reyang).
789. *Cispia venosa* Walker  
Distribution : Darjiling.
790. *Imaus munda* (Walker)  
Distribution : Darjiling (Governor House ground, Rangpo).
791. *Dura alba* Moore  
Distribution : Darjiling (Manibhanjang).
792. *Caviria sericea* (Moore)  
Distribution : Darjiling.
793. *Caviria ochripes* (Moore)  
Distribution : Darjiling.  
Subfamily RATARDIDAE
794. *Ratarda marmorata* Moore  
Distribution : Darjiling.  
Family SYNTOMIDAE
795. *Syntomoides imacon* Cram.  
Distribution : Jalpaiguri (BTR).  
Family URANIIDAE
796. *Acropteris striataria* Clerck  
Distribution : Jalpaiguri (BTR).
797. *Micronia aculeate* Guen.  
Distribution : Jalpaiguri (BTR).
798. *Jamides alecto alocina* Swinhoe  
Distribution : Kolkata, Jalpaiguri (BTR) and Maldah (Bholahat).
799. *Jamides bochus bochus* (Cramer)  
Distribution : Birbhum (Gonatea), Kolkata and Maldah (Bholahat).
800. *Jamides pura pura* (Moore)  
Distribution : Darjiling.
801. *Jamides celeno aelianus* (Fabricius)  
Distribution : Birbhum (Gonatea), Kolkata and Maldah (Bholahat).
802. *Nacaduba kurava euploea* Frushstorfer  
Distribution : Darjiling and Maldah (Bholahat).
803. *Nacaduba beroe gythion* (Frushstorfer)  
Distribution : Darjiling (Buxa).
804. *Nacaduba nora nora* (Felder)  
Distribution : Maldah (Bholahat).
805. *Nacaduba dubiosa indica* Evans  
Distribution : Kolkata, Darjiling and Maldah (Bholahat).

806. ***Petrelaea dana*** (de Nicéville)  
*Distribution* : Maldah (Bholahat).  
 Subfamily THECLINAE
807. ***Chrysozephyrus zoa*** (de Niceville)  
*Distribution* : Darjiling.
808. ***Chrysozephyrus duma*** (Hewitson)  
*Distribution* : Darjiling.
809. ***Chrysozephyrus assamicus***  
 (Tytler)  
*Distribution* : Darjiling.
810. ***Curetis thetis thetis*** (Drury)  
*Distribution* : Kolkata, Maldah (Bholahat) and North 24 Pgs. (Barrackpore).
811. ***Curetis dentata dentata*** Moore  
*Distribution* : Darjiling (Buxa, Rangpo).
812. ***Curetis bulis***  
*Distribution* : Jalpaiguri (BTR).
813. ***Iraota timoleon timoleon*** (Stoll)  
*Distribution* : Kolkata and Jalpaiguri.
814. ***Amblypodia anita dina***  
 (Fruhstorfer)  
*Distribution* : Birbhum (Gonatea), Kolkata and Maldah (Bholahat).
815. ***Amblypodia narada***  
*Distribution* : Jalpaiguri (BTR).
816. ***Mahathala ameria ameria***  
 (Hewitson)  
*Distribution* : Birbhum (Gonatea), Kolkata and North 24 Pgs.
817. ***Narathura camdeo camdeo*** (Moore)  
*Distribution* : Jalpaiguri.
818. ***Narathura atrax*** (Hewitson)  
*Distribution* : Darjiling and Jalpaiguri (Buxa).
819. ***Narathura centaurus pirithous***  
 (Moore)  
*Distribution* : Darjiling (Sukna, Teesta, Rangpo, Andherikhola Stream).
820. ***Narathura silhetensis silhetensis***  
 (Hewitson)  
*Distribution* : Jalpaiguri.
821. ***Narathura amantes amantes***  
 (Hewitson)  
*Distribution* : Kolkata and Jalpaiguri.
822. ***Flos fulgida*** (Hewitson)  
*Distribution* : Darjiling.
823. ***Surendra vivarna quercetorum***  
 (Moore)  
*Distribution* : Darjiling.
824. ***Loxura atymnus continentalis***  
 Frushstorfer  
*Distribution* : Kolkata, Darjiling, Jalpaiguri (BTR) and Maldah (Bholahat).
825. ***Zesius chrysomallus*** Huebner  
*Distribution* : Maldah (Bholahat).
826. ***Apharitis lilacinus*** (Hewitson)  
*Distribution* : Maldah.
827. ***Spindasis lohita himalayanus***  
 (Moore)  
*Distribution* : Kolkata.
828. ***Spindasis syama peguanus***  
 (Moore)  
*Distribution* : Darjiling.
829. ***Spindasis vulcanus vulcanus***  
 (Fabricius)  
*Distribution* : Kolkata, Maldah (Bholahat), North 24 Pgs. (Barrackpore, Chandmari) and South 24 Pgs. (Sonarpur).
830. ***Spindasis nipalicus***  
*Distribution* : Jalpaiguri (BTR).
831. ***Spindasis ictis ictis*** (Hewitson)  
*Distribution* : Kolkata, Maldah (Bholahat) and North 24 Pgs. (Barrackpore).
832. ***Spindasis elima elima*** (Moore)  
*Distribution* : Kolkata, Maldah (Bholahat) and North 24 Pgs. (Barrackpore).
833. ***Pratapa penicilligera*** (De Niceville)  
*Distribution* : Darjiling.
834. ***Pratapa bhotea*** (Moore)  
*Distribution* : Darjiling.



835. **Pratapa cleobis** (Godart)  
*Distribution* : Kolkata, Jalpaiguri and Maldah (Bholahat).
836. **Pratapa ctesia** (Hewitson)  
*Distribution* : Darjiling.
837. **Pratapa deva deva** (Moore)  
*Distribution* : Kolkata and Maldah (Bholahat).
838. **Tajuria jehana** Moore  
*Distribution* : Maldah (Bholahat) and North 24 Pgs. (Bangaon).
839. **Tajuria yajna** Moore  
*Distribution* : Jalpaiguri (BTR).
840. **Tajuria cippus cippus** (Fabricius)  
*Distribution* : Kolkata and Maldah (Bholahat).
841. **Charana jalindra indra** (Moore)  
*Distribution* : Kolkata and Maldah (Bholahat).
842. **Charana mandarinus** (Hewitson)  
*Distribution* : Darjiling and Jalpaiguri.
843. **Jacoona fabronia fabronia** (Hewitson)  
*Distribution* : Darjiling.
844. **Ticherra acte** (Moore)  
*Distribution* : Darjiling (Buxa).
845. **Rathinda amor** (Fabricius)  
*Distribution* : Kolkata and Murshidabad (Raghunathganj).
846. **Horaga syrinx moulmein** Moore  
*Distribution* : Darjiling (Buxa).
847. **Chliaria othona** (Hewitson)  
*Distribution* : Darjiling.
848. **Hypolycaena erylus himavantus** Fruhstorfer  
*Distribution* : Jalpaiguri (Mendabari Forest (Chilapata).
849. **Deudorix epijarbas epijarbas** (Moore)  
*Distribution* : Kolkata.
850. **Virachola isocrates** (Fabricius)  
*Distribution* : Kolkata, Darjiling, Hugli and Maldah (Bholahat).
851. **Rapala varuna orseis** (Hewitson)  
*Distribution* : Kolkata and Maldah (Bholahat).
852. **Rapala manea schistacea** (Moore)  
*Distribution* : Kolkata and Maldah (Bholahat).
853. **Rapala jiarbus jiarbus** (Fabricius)  
*Distribution* : Kolkata and Maldah (Bholahat).
854. **Rapala pheretima petosiris** (Hewitson)  
*Distribution* : Kolkata and Darjiling.
855. **Rapala diences diences** (Hewitson)  
*Distribution* : Kolkata.
856. **Cherita freja** (Fabricius)  
*Distribution* : Jalpaiguri (BTR).
857. **Cyaniris akasa** (Fabricius)  
*Distribution* : Jalpaiguri (BTR).
858. **Cyaniris tranpecta** (Moore)  
*Distribution* : Jalpaiguri (BTR).
859. **Neopithecops zalmora** (Moore)  
*Distribution* : Jalpaiguri (BTR).
860. **Thecla betulae** (Walker)  
*Distribution* : Jalpaiguri (BTR).
861. **Lycaena iris** (Walker)  
*Distribution* : Jalpaiguri (BTR).
- Family AMATHUSIIDAE
862. **Stichophthalma nourmahal nourmahal** (Westwood)  
*Distribution* : Darjiling.
863. **Stichophthalma camadeva** (Westwood)  
*Distribution* : Darjiling.
864. **Thaumantis diores diores** (Doubleday)  
*Distribution* : Darjiling (Singla).

865. *Discophora sondaica zal* Westwood

*Distribution* : Kolkata, Darjiling.

866. *Enispe cygnus cygnus* Westwood

*Distribution* : Darjiling (Buxa).

867. *Enispe euthymius euthymius*  
(Doubleday)

*Distribution* : Darjiling.

Family ACRAEIDAE

868. *Acraea violae* (Fabricius)

*Distribution* : Bankura (Kangshabati Bishnupur Joypur forest, Jhilimili, Jungle mahal, Ashna), Bardhaman (Panagarh, Soai forest), Birbhum (Palitpur, ballavpur Reserve forest, Illambazar Forest Range), Darjiling (Panitanki), Matha), Medinipur (Jhargram, Radhanagar, Bachchurdoba, Belpahari, Salbari, Arabari Forest), Murshidabad (Mor Gram, phulwari) and Puruliya (Matha).

869. *Acraea issoria issoria* (Huebner)

*Distribution* : Bankura (Mukutmanipur) and Darjiling (Kurseong, Lebong, Mirik).

Family RIODINIDAE

870. *Abisara chela* de Nicéville

*Distribution* : Darjiling.

871. *Abisara echerius suffusa* (Moore)

*Distribution* : Kolkata, Darjiling.

872. *Zemerus flygas indicus*  
Fruhstorfer

*Distribution* : Darjiling (Mahanadi, Kalijhora) and Jalpaiguri (Jainti Forest).

873. *Junonia almana* (Moore)

*Distribution* : Jalpaiguri (BTR) and Kolkata.

874. *Junonia atlites* (Moore)

*Distribution* : Jalpaiguri (BTR) and Kolkata.

875. *Junonia hierta* (Fabricius)

*Distribution* : Jalpaiguri (BTR).

876. *Junonia iphita* (Fabricius)

*Distribution* : Jalpaiguri (BTR).

877. *Junonia lemonias* (Walker)

*Distribution* : Jalpaiguri (BTR) and Kolkata.

878. *Issoria sinha* (Westwood)

*Distribution* : Jalpaiguri (BTR).

879. *Cestosa biblis* (Linnaeus)

*Distribution* : Jalpaiguri (BTR).

880. *Enpus halitherses* (Walker)

*Distribution* : Jalpaiguri (BTR).

881. *Herona marathus* (Linnaeus)

*Distribution* : Jalpaiguri (BTR).

Family CTENUCHIDAE

882. *Ceryx diptera* (Fabricius)

*Distribution* : Bankura (Mukutmanipur) and Medinipur (Belpahari)

883. *Ceryx godartii* (Boisduval)

*Distribution* : South 24 Pgs. (Hatberia) and Darjiling (Gorubathan, Chunabhati, Rangpo, Singla)

884. *Ceryx imaon* (Cramer)

*Distribution* : Kolkata, Darjiling (Reyang Gorubathan, Bijanbari, Melli, Teesta, Singla Rangpo) and Jalpaiguri (Champramari Forest).

885. *Eressa affinis* Moore

*Distribution* : Jalpaiguri (Nilpara, Hasimara).

886. *Eressa confinis* (Walker)

*Distribution* : Kolkata and Darjiling (Bijanbari, Haryana Bhawan).

887. *Eressa multigutta* (Walker)

*Distribution* : Darjiling (Kurseong, Ghoombhanjang, Rongroom).

888. *Euchromia polymena* (Linnaeus)

*Distribution* : Haora (Maheshpur).

889. *Psichote duvauceli* Boisduval

*Distribution* : Kolkata.

890. *Syntomis bicincta* Kollar

*Distribution* : Kolkata, Darjiling (Goke).

891. *Syntomis cingulata* (Weber)

*Distribution* : Murshidabad (Raghunathganj Char).

892. *Syntomis cyssea* (Stoll)

*Distribution* : South 24 Pgs. (Sukchar, Hatberia), Bankura (Susunia Forest), Kolkata

(Bansdroni), Darjiling (Bijanbari, Phulbazar) and Murshidabad (C.S.R.S. campus, Azimganj).

893. *Syntomis diaphana* Kollar

*Distribution* : North 24 Pgs. (Saltlake, Nalbari) and Darjiling (Kurseong, Sunderbasti, Dhobikhola).

894. *Syntomis hydatina* Butler

*Distribution* : Kolkata, Murshidabad (Raghunathganj Char, Berhampur Sericulture Institute) and Nadia (Plassey, Ramnagar, Kalyani, Bhaonipur).

895. *Syntomis insueta* Swinhoe

*Distribution* : Kolkata.

896. *Syntomis lucina* Butler

*Distribution* : Kolkata.

897. *Syntomis melaena* (Walker)

*Distribution* : Darjiling (Kurseong, Dhobikhola, Subedarbasti).

898. *Syntomis passalis* (Fabricius)

*Distribution* : North 24 Pgs. (Salt lake, Nalbari), South 24 Pgs. (Diamond Harbour, Laxmikantapur), Bardhaman (Guskara), Kolkata (Eden Garden, Dumdum, Majherhat), Haora (Botanical garden, Maheshpur, Uluberia), Maldah (Nalagola), Medinipur (Chandrakona, East Jhargram, Dantan, Chaulia) and Murshidabad (Berhampur).

899. *Syntomis sperbius* (Fabricius)

*Distribution* : Darjiling (Garubathan, Pant Hill, Bijanbari, Rangil river bank).

Family HYPSIDAE

900. *Hypsa alciphron* (Cramer)

*Distribution* : Bankura (Churamanipur, Sonamukhi), Bardhaman (Guskara), Kolkata, Hugli (Tarakeswar) and Medinipur (Jhargram).

901. *Hypsa ficus* (Fabricius)

*Distribution* : Kolkata (Jabakusum House).

902. *Hypsa producta* Butler

*Distribution* : Darjiling (Teesta).

903. *Hypsa tortuosa* (Moore)

*Distribution* : Darjiling (Rangpo, Ghoombhanjang).

Family PIERIDAE

904. *Anaphaeis aurota aurota*

(Fabricius)

*Distribution* : Haora (Botanical Garden), Kolkata, Maldah (Tulshihata) and Medinipur (Sarsanka).

905. *Appias albina darada* (CZR Felder)

*Distribution* : Jalpaiguri (BTR) and Kolkata.

906. *Appias hippo* (Cramer)

*Distribution* : Jalpaiguri (BTR).

907. *Appias indra indra* (Moore)

*Distribution* : Darjiling, Jalpaiguri (BTR).

908. *Appias libythea* (Fabricius)

*Distribution* : Jalpaiguri (BTR) and Kolkata.

909. *Appias lyncida eleonora* (Boisduval)

*Distribution* : Darjiling (Rambi, Singla, Karmata village, Ghoomti Forest, Reyang, Rangpo, Melli, Kharibari, Bijanbari) and Jalpaiguri (Kawa, BTR).

910. *Appias wardi* (Moore)

*Distribution* : Darjiling (Rangpo).

911. *Catopsilia florella gnoma* (Fabricius)

*Distribution* : South 24 Pgs. (Joka), Bankura (Bishnupur, Jamuna bandh, Jungle mahal, Joypur Aashna, Birai Jheel, Bishnupur), Birbhum (Santiniketan, Bhaonapur, Narayanpur, Gonpur Forest), Darjiling (Sevok), Hugli, Jalpaiguri (Rydak Forest), Medinipur (Keranitola, Belpahari, Digha sea side), Murshidabad (Jiyaganj, Nandan Mission, Raghunathganj Char, Moregram, Phulbari) and Puruliya (Balarampur).

912. *Catopsilia crocale crocale*

(Cramer)

*Distribution* : Bardhaman (Kaksha village), Birbhum (Santiniketan, Makranpur, Bolpur), Haora (Andul), Hugli (Singur), Jalpaiguri (Jainti, Hasimara), Koch Bihar (Mathabhanga), Maldah (Sahapur, Pakuahat, Bhalik station) and Medinipur (Belpahari, Arabari Forest).

## Family PIERIDAE

913. *Catopsilia pomona pomona*

(Fabricius)

*Distribution* : Jalpaiguri (BTR) and Kolkata.914. *Catopsilia pyranthe pyranthe*

(Linnaeus)

*Distribution* : Bankura (Agr. Farm, Nutanchati, Panbazar, Khatra, Bishnupur, Bishnupur sericulture nursery), Birbhum (Santiniketan, Kacheyjur, Suri), Darjiling, Jalpaiguri (Tukrajhar, Naxalbari, BTR), Hugli (Singur) Jalpaiguri (Kharibari, Sulkapara), Koch Bihar (Tufanganj, Dinhata), Maldah (Sahapur, Pakuahat, Dhulian, Nalagola, Bamangola), Medinipur (Digha sea beach, Jhargram Raj College, Jhargram Rly. Station, Keranitola, Arabari), Kolkata and Puruliya (Jhalda Puruliya, Kamalpur, Gamgajanghati).915. *Cepora nerissa nerissa* (Fabricius)*Distribution* : Jalpaiguri (BTR) and Kolkata.916. *Cepora nerissa phryne*

(Fabricius)

*Distribution* : South 24 Pgs. (Gobindapur), Bankura (Joypur, Birai Jheel, Bishnupur Guest House) and Darjiling (Reyang, Rambhi, Rangpo, Bijanbari, Singla, Rongtong), Haora (Laotala, Bagnan), Hugli (Barabally), Maldah (Gour, Manikchak, Sahapur), Medinipur (Medinipur Rly. Station, Haldia, Belpahari), Murshidabad (Jiyaganj, Raichandpur, Jangipur, Dhanpatnagar, Lalbag, Katra colony, Sagardighi) and Nadia (Plassey, Ashapara).917. *Colias electo fieldi* Menetries*Distribution* : Darjiling (Rambi), Haora (Kamina), Jalpaiguri (Rajabhatkhwa) and Murshidabad (Jiyaganj, Raichandpur).918. *Delias acalis* (Linnaeus)*Distribution* : Jalpaiguri (BTR).919. *Delias aglaia aglaia* (Linnaeus)*Distribution* : Darjiling (Singla, Kalimpong) and Jalpaiguri (BTR).920. *Delias berinda boyleae* Butler*Distribution* : Darjiling.921. *Delias descombesi descombesi*

(Boisduval)

*Distribution* : Darjiling (Chunabati forest, Rambhi, Singla, Tindharia) and Jalpaiguri (BTR).922. *Delias eucharis* (Drury)*Distribution* : North 24 Pgs. (Barrackpore, Barasat, Palta), South 24 Pgs. (Subhasgram, Kodaliala), Kolkata (Dum Dum Airport), Haora (Andul), Hugli (Bandel, Debanandapur, Chandannagar, Singur), Jalpaiguri (BTR), Maldah (Ratua, Sahapur, Maldah Agr. Farm), Murshidabad (Raghunathganj Char) and Dinajpur (Islampur, Chopra Jhar).923. *Delias thysbe pyramus* (Wallace)*Distribution* : Darjiling (Singla), Jalpaiguri (Apalchand, Kathambari) and Maldah (Maldah Agr. Farm).924. *Delias thysbe pyramus* (Wallace)*Distribution* : Darjiling (Singla, Rangpo).925. *Eurema blanda silhetana* (Wallace)*Distribution* : Darjiling (Mal forest, Gorubathan, Melli, Tumthang khola, Rangpo, Singla, Karmaktar).926. *Eurema brigitta rubella* (Boisduval)*Distribution* : Bankura (Central nursery, Bishnupur), Kolkata, Birbhum (Santiniketan) and Medinipur (Gopalisadi, Arabari reserve forest).927. *Eurema hecabe contubernalis*

(Moore)

*Distribution* : Kolkata, North 24 Pgs. (Duttabad), South 24 Pgs. (Kakdwip), Bankura (Nutanchati, Bishnupur, Chatra, Kusumdagra, Pirdoba, Tantipukur, Gopal), Barddhaman (Durgapur, Andal, Ukhra, Asansol, Bolgona, Dhatrigram), Birbhum (Sriniketan, Farmmakranepur, Shambati, Bolpur, Santiniketan, Rajnagar, Bhadrapur), Kolkata, Darjiling (Kalimpong, Singhla, Rambhi, North Sevok, Rangpo, Karmaktar, Sukna, Naxalbari, Singtan), Haora (Botanical Garden), Jalpaiguri (Rajabhatkhwa, Kharibari, Sulkapara, Nilpara, Hasimara, Jaldapara, Rydak Forest), Koch

Bihar (Dinhata), Maldah (Sahapur, Patua, Khajurio, manikchak, haldibari, Birnagar, Rajganj, Sahapur, Maldah Agr. Farm), Medinipur (Medinipur dist. Seed Farm, Motherpore, Arabari Forest, Durgachak, Uharpalli, Garbeta), Murshidabad (Azimganj, Jiyaganj, Raichandpur, Raghunathganj Char, Chotkalai, Jangipur), Nadia (Bahadurpur Forest, Baliura, Mayapur, Phulia, Plassey, Asha pane, Swarupganj), Puruliya (Dak Bungalow compound, Biramdih, Ajodhya Hills, Khejurdanga) and Dinajpur (Islampur, Chopra, Subaspalli, Raiganj, Kodgram, College Para).

928. *Eurema laeta laeta* (Boisduval)

*Distribution* : Bardhaman (Panagarh, Soai forest), Kolkata and Birbhum (Santiniketan).

929. *Hebomoia glaucippe*

*Distribution* : Jalpaiguri (BTR).

930. *Hebomoia glaucippe glaucippe* (Linnaeus)

*Distribution* : Darjiling (Rongpo), Jalpaiguri (Raidak Forest) and Kolkata.

931. *Ixias marianne* (Cramer)

*Distribution* : North 24 Pgs. (N. Salt Lake), Bankura (Bishnupur, Amtalamore, Palace compound) and Hugli (Chandannagar).

932. *Ixias pyrene familiaris* Butler

*Distribution* : Darjiling.

933. *Ixias pyrene sesia* (Fabricius)

*Distribution* : Bankura (Birai jheel, Jamunabandh, Amtalamore), Darjiling (Reyang Rambhi, Andhari Khola, Rangpo, Singla, Ghoomti Forest, Reyang, Melli, Teesta), Kolkata and Jalpaiguri (Jainti).

934. *Leptosia nina nina* (Fabricius)

*Distribution* : Kolkata, North 24 Pgs. (Sodepur, Krishnapur Bye Lane, Natanagarh), Bankura (Joypur, Bishnupur, Simlapal), Darjiling (Nongpong, Bagrakote, Ghoomti Forest, Reang, Bamanpokhri), Haora (Kamina, Uluberia, Nantra), Jalpaiguri (BTR), Medinipur (Durgachak, Kumarpalli) and Murshidabad (Raghunathganj char, Lalbagh, Katra colony).

935. *Pareronia valeria*

*Distribution* : Kolkata.

936. *Pieris brassicae nepalensis*

Doubleday

*Distribution* : Darjiling (Khasmahal Basti, Ghoombhanjang, Rambhi, Manbhanjang, Lava, Baedekhasmahal, Lebong).

937. *Pieris canidia canis* Evans

*Distribution* : Kolkata, Darjiling (Mahanadi, Kurseong, Dhobikhola, Darjiling, Toong, Lava, Chaikhola, Sukna) and Jalpaiguri (BTR).

938. *Prioneris thestylis thestylis*

(Doubleday)

*Distribution* : Darjiling (Bamanpokhri).

939. *Valeria valeria hippia* (Fabricius)

*Distribution* : Bankura (Jungle mahal, Joypur, Camp site Ahalya Bari Road), Haora (Uluberia), Medinipur (Digha Forest, Puruli) and Murshidabad (Jiyaganj, Raichandpur).

Family SATYRIDAE

940. *Cyllogenes suradeva* (Moore)

*Distribution* : Darjiling.

941. *Elymnias hypermnestra undularis* (Drury)

*Distribution* : Kolkata and Darjiling (Sukna, Darjiling).

942. *Elymnias patna patna* (Westwood)

*Distribution* : Darjiling.

943. *Elymnias vasudeva vasudeva*

Moore

*Distribution* : Darjiling.

944. *Lethe baladeva baladeva* (Moore)

*Distribution* : Darjiling.

945. *Lethe bhadra* (Moore)

*Distribution* : Darjiling.

946. *Lethe bhairava* (Moore)

*Distribution* : Koch Bihar (Atiamochar).

947. *Lethe chandica chandica* (Moore)

*Distribution* : Darjiling.

948. *Lethe confusa confusa* Aurivillius

*Distribution* : Jalpaiguri (BTR).

949. *Lethe distans* Butler  
Distribution : Darjiling.
950. *Lethe europa europa* (Fabricius)  
Distribution : Kolkata.
951. *Lethe europa niladna* Fruhstorfer  
Distribution : Kolkata.
952. *Lethe goalpara goalpara* (Moore)  
Distribution : Darjiling.
953. *Lethe kansa* (Moore)  
Distribution : Darjiling.
954. *Lethe nicetas* (Hewitson)  
Distribution : Darjiling.
955. *Lethe pulaha pulaha* (Moore)  
Distribution : Darjiling (Rangiroon).
956. *Lethe rohria rohria* (Fabricius)  
Distribution : Darjiling.
957. *Lethe scanda* (Moore)  
Distribution : Darjiling.
958. *Lethe serbonis teesta* Talbot  
Distribution : Darjiling.
959. *Lethe sidonis* (Hewitson)  
Distribution : Darjiling (Ghoombhanjan).
960. *Lethe sura* (Doubleday)  
Distribution : Darjiling.
961. *Lethe verma sintica* Fruhstorfer  
Distribution : Jalpaiguri (BTR).
962. *Lethe visrava* (Moore)  
Distribution : Darjiling.
963. *Melanitis leda ismene* (Cramer)  
Distribution : North 24 Pgs. (Barrackpore), Bankura (Jhatipahari, Kanchanpur, Bishnupur, Simlapal, Joypur) Bardhaman (Panagarh, Kalna, Dhartigram, Durgapur), Birbhum (Muhammad bazar, Kenduah, Rajnagar, Tarapith, Santiniketan), Kolkata, Darjiling (Kurseong), Hugli (Munkunda), Maldah (Bholahat), Nadia (Phulia, Plassey), Puruliya (Adra) and Dinajpur (Rampur).
964. *Melanitis phedima bela* Moore  
Distribution : Darjiling (Kurseong).
965. *Mycalesis anaxias aemata* Fruhstorfer  
Distribution : Darjiling (Teesta).
966. *Mycalesis mineus mineus* (Linnaeus)  
Distribution : Kolkata, Darjiling (Damdin) and Jalpaiguri (BTR).
967. *Mycalesis mineus polydecta* (Cramer)  
Distribution : Kolkata, Jalpaiguri (Rydak Forest) and Maldah (Bholahat).
968. *Mycalesis nicotia* Westwood  
Distribution : Jalpaiguri (Rydak forest).
969. *Mycalesis perseus blasius* (Fabricius)  
Distribution : North 24 Pgs. (Barrackpore), Bankura (Bishnupur, Joypur, Simlapal), Birbhum, Kolkata, Maldah (Rajbari, Totapur, Muchia, Mahadipur, Bholahat) and Dinajpur (Tunidighi, Malan, Rampur).
970. *Mycalesis visala visala* Moore  
Distribution : Birbhum (Kachujur), Kolkata, Darjiling (Teesta, Singla), Maldah (Bholahat) and Medinipur (Jhargram).
971. *Orsotrioena medus medus* (Fabricius)  
Distribution : Birbhum (Gonatea), Kolkata, Darjiling (Teesta valley, Sukna), Maldah (Bholahat), Puruliya and Jalpaiguri (BTR).
972. *Pararge schakra schakra* (Kollar)  
Distribution : Darjiling.
973. *Rhaphicera moorei moorei* Butler  
Distribution : Darjiling.
974. *Ypthima baldus baldus* (Fabricius)  
Distribution : Kolkata, Haora (Botanical Garden), Maldah (Bholahat) and Murshidabad (Jiyaganj, Raichandpur).
975. *Ypthima ceylonica hubneri* Kirby  
Distribution : North 24 Pgs. (Barrackpore), Birbhum (Gonatea), Kolkata, Haora (Botanical

Garden), Koch Bihar (Atiamochar), Maldah (Bholahat) and Murshidabad (Jiyaganj).

976. *Ypthima indecora* Moore

*Distribution* : Maldah (Bholahat).

977. *Ypthima inica* Hewitson

*Distribution* : Maldah (Bholahat).

978. *Ypthima sakra sakra* Moore

*Distribution* : Darjiling (Pakyong).

Family PAPILIONIDAE

Subfamily PAPILIONINAE

979. *Pachiliopta aristolochiae* (Fabricius)

*Distribution* : Jalpaiguri (BTR) and Kolkata.

980. *Pachiliopta hectoi*

*Distribution* : Kolkata.

981. *Papilio castor* Westwood

*Distribution* : Jalpaiguri (BTR).

982. *Papilio chaon* Westwood

*Distribution* : Jalpaiguri (BTR).

983. *Papilio clytia* (Linnaeus)

*Distribution* : Jalpaiguri (BTR) and Kolkata.

984. *Papilio demoleus demoleus*  
(Linnaeus)

*Distribution* : Jalpaiguri (BTR) and Kolkata.

985. *Papilio polytes* (Linnaeus)

*Distribution* : Jalpaiguri (BTR) and Kolkata.

986. *Papilio polymnestor*

*Distribution* : Kolkata.

987. *Papilio protenor* (Cramer)

*Distribution* : Jalpaiguri (BTR).

988. *Parides varuna* (White)

*Distribution* : Jalpaiguri (BTR).

989. *Atrophaneura (Atrophaneura) aristolochiae* (Fabricius)

*Distribution* : Bankura (Susunia mahal, Joypur, Gouripur), Birbhum (Ballavpur, Islambazar, Rampurhat), Kolkata, Darjiling (Bank of Reyang river), Hugli (Mankundu), Jalpaiguri (Raidak Forest), Maldah (Sahapur), Medinipur (Chandrakona Road, Jhargram,

Salboni) and Murshidabad (Baharampur, Beldanga).

990. *Atrophaneura (Atrophaneura) hector* (Linnaeus)

*Distribution* : Kolkata, Hugli and Puruliya.

991. *Atrophaneura (Atrophaneura) varuna* (White)

*Distribution* : Darjiling (Rongpo, Andharikhola).

992. *Chilasa (Chilasa) clytia clytia* (Linnaeus)

*Distribution* : Kolkata, Darjiling (Teesta, Kalimpong, Sevok), Jalpaiguri (Rajabhatkhwa) and Medinipur (Dantan).

993. *Chilasa (Chilasa) slateri slateri* (Hewitson)

*Distribution* : Darjiling (Tindharia).

994. *Graphium (Graphium) doson axion* (C. & R. Felder)

*Distribution* : Jalpaiguri (Rydak) and Kolkata.

995. *Graphium (Graphium) doson eleius* (C. & R. Felder)

*Distribution* : North 24 Pgs. (Sodepur, Natagar) and Kolkata (Eden Gardens).

996. *Graphium (Pathysa) antiphates* (Cramer)

*Distribution* : Kolkata and Jalpaiguri (BTR).

997. *Graphium (Pathysa) macareus indicus* (Godart)

*Distribution* : Darjiling (Rambi).

998. *Graphium (Pathysa) nomius nomius* (Esper)

*Distribution* : Kolkata and Darjiling (Rambi).

999. *Graphium (Pazala) eurous sikkimica* (Leech)

*Distribution* : Darjiling (Rambi).

1000. *Graphium (Graphium) agamemnon* (Linnaeus)

*Distribution* : Darjiling (Rangpo) and Kolkata.

1001. ***Graphium*(*Graphium*) *sarpedon luctatius*** (Linnaeus)  
*Distribution* : Kolkata, Jalpaiguri (Rydak Forest) and Maldah.
1002. ***Princeps* (*menelaides*) *janaka janaka*** (Moore)  
*Distribution* : Darjiling.
1003. ***Princeps* (*Menelaides*) *polynestor polynestor*** (Cramer)  
*Distribution* : Kolkata.
1004. ***Princeps* (*Menelaides*) *alcmenor rhetenor*** (C. & R. Felder)  
*Distribution* : Darjiling (Tindharia).
1005. ***Princeps* (*Menelaides*) *helenus helenus*** (Linnaeus)  
*Distribution* : Darjiling (Rangpo, Andharikhola, Kalimpong, Tindharia).
1006. ***Princeps* (*menelaides*) *memnon agenor*** (Linnaeus)  
*Distribution* : Kolkata, Darjiling (Teesta, Kalimpong) and Jalpaiguri (Gorumara, Mendabari, Chilapata).
1007. ***Princeps* (*Menelaides*) *nepheleus chaon*** (Boisduval)  
*Distribution* : Jalpaiguri (Jainti Forest).
1008. ***Princeps* (*Menelaides*) *polytes romulus*** (Linnaeus)  
*Distribution* : North 24 Pgs. (Sodepur), Bankura (Darakeswar, Panchubagan, Simlapal), Birbhum (Santiniketan), Darjiling (Rangpo), Hugli (Chandannagar), Medinipur (Arabari Forest, Digha sea beach), Nadia (Kaliganj) and Puruliya (Matha Point Hills).
1009. ***Princeps* (*Princeps*) *arcturus arcturus*** (Westwood)  
*Distribution* : Darjiling.
1010. ***Princeps* (*Princeps*) *crino*** (Fabricius)  
*Distribution* : Kolkata.
1011. ***Princeps* (*Princeps*) *demoleus demoleus*** (Linnaeus)  
*Distribution* : North 24 Pgs. (Dunlop bridge, Sodepur), South 24 Pgs. (Sonarpur, Subhasgram, Kotalia), Bankura ((Darakeswar, Jangal mahal, Jaipur Forest, Simlapal Forest, Pokasna), Kolkata (Alipur), Darjiling, Haora (Botanical Garden), Hugli (Uttarpara, Tarakeswar), Jalpaiguri and Medinipur (Chandrakona).
1012. ***Princeps* (*Princeps*) *krishna krishna*** (Moore)  
*Distribution* : Darjiling.
1013. ***Princeps* (*Princeps*) *polyctor ganesa*** (Boisduval)  
*Distribution* : Kolkata, Darjiling (Reyang, Sevok) and Jalpaiguri (Jainti).
1014. ***Teinopalpus imperialis imperialis***  
 Hope  
*Distribution* : Darjiling.
1015. ***Troides* (*troides*) *helenia cerberus*** (Linnaeus)  
*Distribution* : Darjiling and Jalpaiguri (BTR).  
 Family PAPILIONIDAE
1016. ***Graphium eurypylus*** (Linnaeus)  
*Distribution* : Jalpaiguri (BTR).
1017. ***Graphium sarpedon*** Linnaeus  
*Distribution* : Jalpaiguri (BTR).
1018. ***Papilio castor*** Westwood  
*Distribution* : Jalpaiguri (BTR).
1019. ***Paranticopsis macareus*** (Godart)  
*Distribution* : Jalpaiguri (BTR).



## INSECTA : TRICHOPTERA

Order TRICHOPTERA  
 Superfamily HYDROPSYCHOIDEA  
 Family PHILOPOTAMIDAE

1. *Chimarra aberrans* Martynov

Distribution : Not known.

2. *Chimarra kumaonensis* Martynov

Distribution : Darjiling.

3. *Chimarra reyangensis* Ghosh and Chaudhury

Distribution : Darjiling.

4. *Chimarra diaphana* Ghosh and Chaudhury

Distribution : Darjiling (Kurseong).

5. *Dolophilodes indicus* Martynov

Distribution : Darjiling.

6. *Dolophiliella relictata* Martynov

Distribution : Darjiling (Kurseong).

Family STENOPSYCHIDAE

7. *Stenopsyche grisseipennis* MacLachlan

Distribution : Darjiling (Kurseong) and Kolkata.

8. *Stenopsyche quadrilobata* Martynov

Distribution : Darjiling.

9. *Stenopsyche splendida* Martynov

Distribution : Darjiling.

10. *Parastenophyche similis* (Ulmer)

Distribution : Darjiling (Kurseong, Singla).

11. *Parastenopsyche montana* (Navas)

Distribution : Darjiling.

Family POLYCENTROPIDAE

12. *Plectrocnemia aurea* Ulmer

Distribution : Darjiling.

13. *Plectrocnemia obliquofasciata* Martynov

Distribution : Darjiling.

14. *Dipseudopsis recta* Martynov

Distribution : Puruliya.

Family HYDROPSYCHIDAE

15. *Amphipsyche bengalensis* Martynov

Distribution : Kolkata.

16. *Amphipsyche tricalcarata* Martynov

Distribution : Bankura.

17. *Amphipsyche indica* Martynov

Distribution : Bankura.

18. *Macronema fastosum fastosum* Walker

Distribution : Darjiling (Kurseong).

19. *Macronema fastosum bifasciatum* Martynov

Distribution : Darjiling.

20. *Macronema pseudoneura* Brauer

Distribution : Jalpaiguri (Chelapata).

21. *Paraethaloptera gracilis* Martynov

Distribution : Birbhum.

22. *Aethaloptera sexpunctata* Kolenati

Distribution : W. Dinajpur, Murshidabad, Maldah, Darjiling and Bardhaman.

23. *Arctopsyche lobata* Martynov

Distribution : Darjiling.

24. *Diplectronea marqinata* (Betten)

Distribution : Darjiling.

25. *Hydropsyche indica* Pictet

Distribution : Darjiling (Kurseong).

26. *Hydropsyche obscura* Martynov

Distribution: Darjiling (Darjiling).

27. *Hydropsyche kaznakovi* Martynov

Distribution : Darjiling (Kalimpong).

28. *Hydromanicus truncatus* Betten

Distribution : Darjiling (Kurseong).

29. *Hydromanicus orientalis* Betten

Distribution : Darjiling (Kurseong).

30. *Amphiphychella extrema* Martynov

Distribution : Kolkata and Darjiling (Kurseong).

Superfamily RHYACOPHILOIDEA

Family RHYACOPHILIDAE

31. *Rhyacophila rhombica* Martynov

*Distribution* : Darjiling.

32. *Rhyacophila digitata* Martynov

*Distribution* : Darjiling.

33. *Synagapetus himalayanus* Martynov

*Distribution* : Not known.

Family GLOSSOSOMATIDAE

34. *Glossosoma fissum* Martynov

*Distribution* : Darjiling.

Superfamily LIMNNEPHILOIDEA

Family PHRYGAENIDAE

35. *Eubasilissa machlachlani* (White)

*Distribution* : Darjiling.

36. *Neurocyta arenata* Navas

*Distribution* : Darjiling.

Family LIMNNEPHILIDAE

37. *Phylostenax himalus* Mosely

*Distribution* : Darjiling.

Family SERICOSTOMATIDAE

38. *Dinarthrum (Indodinarthrum) latum* Martynov

*Distribution* : Darjiling.

39. *Indocrunoceia heterolepidia* Martynov

*Distribution* : Darjiling.

40. *Dinarthrella betteni* Martynov

*Distribution* : Darjiling.

41. *Dinarthrella (Maniconeura) destructa* Ulmer

*Distribution* : Darjiling.

42. *Paraphlegopteryx compositus* Martynov

*Distribution* : Darjiling.

Family CALAMOCERITIDAE

43. *Ganonema salsum* Betten

*Distribution* : Darjiling.

Family LEPTOCERIDAE

44. *Triplectides magnus* (Walker)

*Distribution* : Birbhum and Kolkata.

## INSECTA : HYMENOPTERA

- Order HYMENOPTERA  
Family BRACONIDAE  
Sub family ALYSIINAE
1. *Aclisis cilipennis* Cameron  
Distribution : Darjiling.
  2. *Rhacalsia rufobalteata* Cameron  
Distribution : Darjiling.
- Subfamily AGATHIDINAE
3. *Agathis lepcha* Cameron  
Distribution : Darjiling.
  4. *Agathis sikkimensis* Enderlein  
Distribution : Darjiling.
  5. *Agathis tricarinata* Enderlein  
Distribution : Darjiling.
- Sub family BRACONINAE
6. *Bracon ceceidobius* Kieffer  
Distribution : South 24 Pgs.
  7. *Bracon daphnephibae* Kieffer  
Distribution : South 24 Pgs.
  8. *Bracon famulus* Bingham  
Distribution : Kolkata.
  9. *Bracon niceivelli* Bingham  
Distribution : Kolkata.
- Subfamily CHELONINAE
10. *Chelonus heliope* Gupta  
Distribution : Medinipur (Junput).
  11. *Chelonus indicus* Cameron  
Distribution : Medinipur (Digha).
- Subfamily DORYCTINAE
12. *Doryctes cheops* Nixon  
Distribution : Darjiling.
- Subfamily EXOTHECINAE
13. *Colastes nigropectus* Cameron  
Distribution : Darjiling.
- Subfamily MACROCENTRINAE
14. *Cyclophatnus flavus* Cameron  
Distribution : Darjiling.
- Subfamily MICROGASTERINAE
15. *Apanteles bifida* Sharma  
Distribution : Darjiling.
  16. *Apanteles darjeelingensis* Sharma & Chatterjee  
Distribution : Darjiling.
  17. *Apanteles flavipes* (Cameron)  
Distribution : Darjiling.
  18. *Apanteles maro* Nixon  
Distribution : Hugli.
  19. *Apanteles priscus* Rao  
Distribution : Hugli.
  20. *Apanteles ruficrus* (Haliday)  
Distribution : Darjiling.
  21. *Apanteles stantoni* (Ashmead)  
Distribution : South 24 Pgs.
  22. *Microgaster himalayensis* Cameron  
Distribution : Darjiling.
- Family FORMICIDAE  
Subfamily CERAPACHYINAE
23. *Cerapachys longitarsus* (Mayr)  
Distribution: Not known.
- Subfamily DOLICHODERINAE
24. *Bothriomyrmex walshi* Forel  
Distribution : Not known.
  25. *Bothriomyrmex wroughtoni dalyi* Forel  
Distribution : Not known.
  26. *Dolichoderus thoracicus* Smith  
Distribution : Darjiling (Reyang, Rangpo).
  27. *Iridomyrmex anceps* (Roger)  
Distribution : Medinipur (Jhargram).
- Subfamily DORYLINAE
28. *Aenictus brevicornis* (Mayr)  
Distribution : Kolkata (Eden Gardens).
  29. *Aenictus clavitibia* Forel  
Distribution : North 24 Pgs. (Barasat, Bangaon, Barrackpore, Naihati).

30. ***Aenictus shuckardi*** Forel  
*Distribution* : Not known
31. ***Dorylus (Alaopone) orientalis***  
 Westwood  
*Distribution* : Darjiling (Ghoombhanjang), Haora (Eksara Stn.) and Nadia (Bahadurpur).
32. ***Dorylus (Typhlopone) labiatus***  
 Shuckard  
*Distribution* : Kolkata (Eden Gardens) and Darjiling (Sukhiapokhri, Balson basti).  
 Subfamily FORMICINAE
33. ***Anoplolepis longipes*** (Jerdon)  
*Distribution* : Darjiling (Ghoombhanjang).
34. ***Camponotus angusticollis*** (Jerdon)  
*Distribution* : Darjiling (Ghoombhanjang).
35. ***Camponotus arrogans*** (Smith)  
*Distribution* : Not known.
36. ***Camponotus compressus*** (Fabricius)  
*Distribution* : South 24 Pgs. (Jharkhali, Nafarganj), Bankura (Kamalpur), Kolkata (Lake Gardens), Darjiling (Rangpo), Murshidabad (Baharampur) and Jalpaiguri (Jaldapara WLS).
37. ***Camponotus discors angustinodus***  
 Emery  
*Distribution* : North 24 Pgs. (Barrackpore).
38. ***Camponotus dolendus*** Forel  
*Distribution* : North 24 Pgs. (Barrackpore), South 24 Pgs. (Lakshmikantapur) and Kolkata (Lake Gardens).
39. ***Camponotus invidus*** Forel  
*Distribution* : Bardhaman (Jagatpur), Darjiling (Rangpo, Reyang) and Medinipur (Jhargram).
40. ***Camponotus irritans*** (Smith)  
*Distribution* : Darjiling (Reyang).
41. ***Camponotus mistura*** (Smith)  
*Distribution* : Jalpaiguri (Kunjanagar).
42. ***Camponotus oblongus*** (Smith)  
*Distribution* : North 24 Pgs. (Barrackpore), Jalpaiguri (Jaldapara WLS).
43. ***Camponotus rothneyi*** (Forel)  
*Distribution* : North 24 Pgs. (Barasat, Bangaon, Barrackpore, Naihati).
44. ***Camponotus sericeus*** (Fabricius)  
*Distribution* : North 24 Pgs. (Barrackpore, Chandmari), Bankura (Simlipal), Kolkata (Eden Gardens) and Darjiling (Rangpo, Sissamara).
45. ***Camponotus thoracicus*** (Fabricius)  
*Distribution* : Darjiling (Rangli tea estate).
46. ***Camponotus wasmanni*** Emery  
*Distribution* : Jalpaiguri (Hasimara, Holong).
47. ***Camponotus*** sp.  
*Distribution* : Darjiling (Rangpo).
48. ***Cataglyphis setipes*** (Forel)  
*Distribution* : Kolkata (Lake Gardens), Haora (Santraganchi) and Murshidabad (Berhampore).
49. ***Lasius alienus*** (Forster)  
*Distribution* : Darjiling (Ghoombhanjang).
50. ***Lepisiota frauenfeldi*** (Mayr)  
*Distribution* : North 24 Pgs. (Barasat, Bangaon, Barrackpore, Naihati).
51. ***Lepisiota capensis simplex*** Forel  
*Distribution* : Not known.
52. ***Lepisiota rothneyi*** (Forel)  
*Distribution* : Not known.
53. ***Monomorium dichroum*** (Forel)  
*Distribution* : Jalpaiguri (Jaldapara).
54. ***Oecophylla smaragdina*** (Fabricius)  
*Distribution* : Bankura (Indus), Kolkata (Eden Gardens), Darjiling (Reyang, Rambhi), Haora (Kaijura), Jalpaiguri (Rajabhatkhawa, Jaldapara, Buxa Duar) and Murshidabad (Beldanga).
55. ***Paratrechina asea*** (Forel)  
*Distribution* : Darjiling (Ghoombhanjang).
56. ***Paratrechina indica*** (Forel)  
*Distribution* : Darjiling (Ghoombhanjang).
57. ***Paratrechina longicornis*** (Latreille)  
*Distribution* : Kolkata (Eden Gardens).
58. ***Paratrechina bourbonica*** (Forel)  
*Distribution* : Not known.

59. *Paratrechina taylori* (Forel)  
Distribution : Not known.
60. *Plagiolepis dichroa* Forel  
Distribution : North 24 Pgs. (Barasat, Bangaon, Barrackpore, Naihati).
61. *Polyrhachis acteipennis* Smith  
Distribution : Darjiling (Ghoombhanjang).
62. *Polyrhachis bicolor* Smith  
Distribution : Jalpaiguri (Jaldapara).
63. *Polyrhachis furcata* Smith  
Distribution : Jalpaiguri (Sissamara, TEC).
64. *Polyrhachis illaudata* Walker  
Distribution : Darjiling (Rangpo).
65. *Polyrhachis laevisissima* Smith  
Distribution : Jalpaiguri (Alipurduar).
66. *Polyrhachis mayri* Roger  
Distribution : Jalpaiguri (Moiradanga, Dhaidhai ghat, Sissamara, Hasimara).
67. *Polyrhachis tubericeps* Forel  
Distribution : North 24 Pgs. (Barasat, Bangaon, Barrackpore, Naihati).
68. *Polyrhachis exercita* (Walker)  
Distribution : Not known.
69. *Polyrhachis thomsoni* Bingham  
Distribution : Jalpaiguri (Hasimara).
70. *Polyrhachis thrinax* Roger  
Distribution : Not known.
71. *Polyrhachis tibialis* Smith  
Distribution : Not known.
- Subfamily MYRMICINAE
72. *Aphaenogaster* sp.  
Distribution : Darjiling (Reyang).
73. *Cataulacus latus* Forel.  
Distribution: Not known.
74. *Crematogaster buddhae* Forel  
Distribution : Kolkata.
75. *Crematogaster dohrni* Mayr  
Distribution : Jalpaiguri (Sissamara).
76. *Crematogaster ebenina* Forel  
Distribution : Darjiling (Singla) and Jalpaiguri (Rajabhatkhawa).
77. *Crematogaster politula* Forel  
Distribution : Jalpaiguri (Sissamara).
78. *Crematogaster rogenhoferi* Mayr  
Distribution : Kolkata (Eden Gardens).
79. *Crematogaster rogenhoferi flava* Forel  
Distribution : Darjiling (Singla).
80. *Crematogaster rothneyi* Mayr  
Distribution : Kolkata (Eden Gardens), Jalpaiguri (Sissamara).
81. *Crematogaster wroughtonii* Forel  
Distribution : Darjiling (Ghoombhanjang).
82. *Crematogaster subnuda* Mayr  
Distribution : Kolkata (Eden Gardens) and Jalpaiguri (Rajabhatkhawa).
83. *Crematogaster brunnea contemta* Mayr  
Distribution : Not known.
84. *Lophomyrmex quadrispinosus* (Jerdon)  
Distribution : Kolkata (Eden Gardens).
85. *Meranoplus bicolor* (Guerin)  
Distribution : Bankura (Simlipal) and Medinipur (Jhargram).
86. *Meranoplus rothneyi* Forel  
Distribution : North 24 Pgs. (Naihati, Bangaon, Barasat), Kolkata (Eden Gardens, Dum Dum Airport), Hugli (Chandannagar) and Nadia (Krishnanagar).
87. *Messor barbarus* (Linnaeus)  
Distribution : North 24 Pgs. (Naihati).
88. *Monomorium floricola* (Jerdon)  
Distribution : Kolkata (Lake Gardens) and Haora (Santragachi).
89. *Monomorium latinode* Mayr  
Distribution : Kolkata (Lake Gardens) and Haora (Santragachi).
90. *Monomorium orientale* Mayr  
Distribution : Not known.
91. *Myrmica rugosa* Mayr  
Distribution : Darjiling (Ghoombhanjang).

92. *Myrmicaria brunnae* Saunders  
Distribution : Not known.
93. *Oligomyrmex rothneyi* Forel  
Distribution : North 24 Pgs. (Barasat, Bangaon, Barrackpore, Naihati).
94. *Oligomyrmex asinus* Forel  
Distribution : Not known.
95. *Oligomyrmex bengalensis* Forel  
Distribution : Not known.
96. *Oligomyrmex wroughtonii* (Forel)  
Distribution : Not known.
97. *Paratopula ceylonica* (Emery)  
Distribution : Kolkata (Eden Gardens).
98. *Pheidole fervens* Smith  
Distribution : Darjiling (Takdah slip forest).
99. *Pheidole hospita* Bingham  
Distribution : Kolkata (Eden Gardens) and Puruliya (Bongabari).
100. *Pheidole jucunda* Forel  
Distribution : Kolkata (Eden gardens).
101. *Pheidole latinoda* Roger  
Distribution : Haora (Shibpur).
102. *Pheidole mus* Forel  
Distribution : Kolkata (Eden Gardens).
103. *Pheidole roberti* Forel  
Distribution : Darjiling (Singla).
104. *Pheidole rogersi* Forel  
Distribution : Not known.
105. *Pheidole spathifera* Forel  
Distribution : North 24 Pgs. (Barasat, Bangaon, Barrackpore, Naihati).
106. *Pheidole sulcaticeps* Roger  
Distribution : Not known.
107. *Pheidole wood-masoni* Forel  
Distribution : Haora (Shibpur).
108. *Pheidologeton affinis* (Jerdon)  
Distribution : Not known.
109. *Pheidologeton diversus* (Jerdon)  
Distribution : Haora (Eksara Stn.).
110. *Pheidole watsoni* Forel  
Distribution : Not known.
111. *Rhoptromyrmex wroughtonii* Forel  
Distribution : Darjiling (Ghoombhanjang).
112. *Solenopsis geminata* (Fabricius)  
Distribution : North 24 Pgs. (Barasat, Bangaon, Barrackpore, Naihati), Kolkata (Eden Gardens), Darjiling (Reyang) and Jalpaiguri (Rajabhatkhawa).
113. *Tetramorium christiei* Forel  
Distribution : Darjiling (Ghoombhanjang).
114. *Tetramorium simillimum* (Smith)  
Distribution : Kolkata (Eden Gardens).
115. *Tetramorium smithi* Mayr  
Distribution : Not known.  
Subfamily PONERINAE
116. *Amblyopone rothneyi* Forel  
Distribution : Not known.
117. *Anochetus madaraszi* Mayr  
Distribution : Barddhaman (Purbatotti) and Haora (Eksara Stn.).
118. *Anochetus graeffei* Mayr  
Distribution : Not known.
119. *Diacamma rugosum* (Guill.)  
Distribution : North 24 Pgs. (Durganagar, Gobardanga), South 24 Pgs. (Subhasgram, Narendrapur, Garia), Barddhaman (Jagatpur, Purbatotti, Golapbag, Kuchulpukur), Kolkata (Jadavpur), Darjiling (Singla, Sukna, Reyang, Rangpo, Bijanbari), Haora (Sibpur), Hugli (Chandannagar), Murshidabad (Beldanga) and Nadia (Krishnanagar, Bahadurpur forest).
120. *Diacamma rugosum sculptum* (Jerdon)  
Distribution : North 24 Pgs. (Barrackpore).
121. *Diacamma scalpratum* (Smith)  
Distribution : Barddhaman (Jagatpur), Darjiling (Gorubathan, Sukna, Chunabati) and Jalpaiguri (Hasimara West).
122. *Gnamptogenys bicolor* (Emery)  
Distribution : Darjiling (Rangpo).

123. *Hypoconera truncata* Smith  
Distribution : Darjiling (Takdah Slip forest).
124. *Hypoconera confines* (Roger)  
Distribution : Not known.
125. *Leptogenys hodgsoni* Forel  
Distribution : Darjiling (Rangpo, Rangit).
126. *Leptogenys roberti coonoorensis*  
Forel  
Distribution : Darjiling (Reyang).
127. *Leptogenys birmana* Forel  
Distribution : Barddhaman (Purbastholi, Kuchulpukur) and Hugli (Sheoraphuly).
128. *Leptogenys chinensis* Mayr  
Distribution : North 24 Pgs. (Palta), Barddhaman (Kuchulpukur, Jagatpur) and Nadia (Krishnanagar).
129. *Leptogenys diminuta* (Smith)  
Distribution : Darjiling (Kalimpong, Rangpo, Chunabati, Rambh) and Haora (Santragachi).
130. *Leptogenys diminuta striatula*  
Emery  
Distribution : Barddhaman (Jagatpur) and Darjiling (Reyang).
131. *Leptogenys kitteli* (Mayr)  
Distribution : North 24 Pgs. (Durganagar), Kolkata (Eden Gardens) and Nadia (Krishnanagar).
132. *Leptogenys minchinii* Forel  
Distribution : Haora (Eksara Stn.).
133. *Leptogenys processionalis* (Jerdon)  
Distribution : Haora (Eksara Stn.), Hugli (Bandel, Sheoraphuly) and Nadia (Krishnanagar).
134. *Leptogenys punctiventris* Mayr  
Distribution : Kolkata (Eden Gardens).
135. *Odontomachus monticola* Emery  
Distribution : Darjiling (Takdah, Rangpo).
136. *Pachycondyla jordonii* (Forel)  
Distribution : Not known.
137. *Pachycondyla bispinosa* (Smith)  
Distribution : Darjiling (Ghoombhanjang).
138. *Pachycondyla javana* (Mayr)  
Distribution : Darjiling (Singla, Sukna, Kurseong, Rangpo, Gorubathan, Thulong, Kalimpong, Rambh).
139. *Pachycondyla luteipes* (Mayr)  
Distribution : Barddhaman (Purbastholi) and Darjiling (Rambh, Jhalung, Lava, Sukiapokhri).
140. *Pachycondyla rufipes* (Jerdon)  
Distribution : Darjiling (Singla, Rangpo, Tista River, Gorubathan, Jhulang, Bijanbari, Reyang), Nadia (Bahadurpur), Jalpaiguri (Jaldapara, Dhaidhaighat).
141. *Pachycondyla sulcata* (Mayr)  
Distribution : South 24 Pgs. (Garia, Subhasgram), Kolkata (Eden Gardens) and Nadia (Krishnanagar).
142. *Pachycondyla tesseronoda* (Emery)  
Distribution : North 24 Pgs. (Durganagar), South 24 Pgs. (Narendrapur), Barddhaman (Kuchulpukur, Jagatpur, Purbastholi), Birbhum (Bolpur), Haora (Santragachi) and Nadia (Krishnanagar).
143. *Ponera* sp.  
Distribution : Puruliya (Bongabari).
144. *Platthythrea parallela* (Smith)  
Distribution: Not known.
145. *Sphinctomyrmex taylori* Forel  
Distribution: Not known.
- Subfamily PSEUDOMYRMECINAE
146. *Tetraconera allaborans* (Walker)  
Distribution : Nadia (Kalyani).
147. *Tetraconera binghami* (Forel)  
Distribution : Darjiling (Reyang river).
148. *Tetraconera nigra* (Jerdon)  
Distribution : Not known.
149. *Tetraconera rufonigra* (Jerdon)  
Distribution : North 24 Pgs. (Barasat, Naihati), South 24 Pgs. (Canning, Budge Budge), Kolkata (Eden Gardens) and Jalpaiguri (Jaldapara).

- Family ICHNEUMONIDAE  
Subfamily PAMPLINAE
150. *Leptopimpla longiventris* (Cameron)  
*Distribution* : Darjiling (Pashok, Rangpo).
151. *Iseropus (Gregopimpla) himalayensis* (Cameron)  
*Distribution* : Darjiling.
152. *Scambus (Scambus) lucidus* Gupta & Tikar  
*Distribution* : Darjiling (Rangiroon).
153. *Acropimpla hapaliae* (Rao)  
*Distribution* : Darjiling (Kalimpong).
154. *Acropimpla uchidai* (Cushman)  
*Distribution* : Darjiling (Rangiroon).
155. *Camptotypus arianus arianus* (Cameron)  
*Distribution* : Darjiling.
156. *Itoplectis tibetensis* Perkins  
*Distribution* : Darjiling.
157. *Coccygomimus bilineatus* (Cameron)  
*Distribution* : Darjiling.
158. *Coccygomimus cameronii* (Dalla-Torre)  
*Distribution* : Darjiling (Alagarh, Darjiling, Rangiroon, Goom, Kalimpong).
159. *Coccygomimus carinifrons* (Cameron)  
*Distribution* : Darjiling.
160. *Coccygomimus erebus* (Cameron)  
*Distribution* : Darjiling.
161. *Coccygomimus flavipalpis* (Cameron)  
*Distribution* : Darjiling (Rangiroon).
162. *Coccygomimus indra* (Cameron)  
*Distribution* : Darjiling.
163. *Coccygomimus laothoe* (Cameron)  
*Distribution* : Darjiling (Rangiroon, Singhmari, Lebong, Kalimpong).
164. *Coccygomimus turionellae* (Linnaeus)  
*Distribution* : Darjiling.
165. *Echthromorpha agrestoria notulatoria* (Fabricius)  
*Distribution* : Kolkata, South 24 Pgs. (Baruipur, Budge Budge).
166. *Xanthopimpla appendicularis appendicularis* (Cameron)  
*Distribution* : Darjiling.
167. *Xanthopimpla elegans apicipennis* (Cameron)  
*Distribution* : Darjiling.
168. *Xanthopimpla flavolineata* (Cameron)  
*Distribution* : Not known.
169. *Xanthopimpla honorata honorata* (Cameron)  
*Distribution* : Darjiling.
170. *Xanthopimpla nana nana* Schulz  
*Distribution* : Darjiling (Kalimpong-Tista route).
171. *Xanthopimpla nigratarsis reciprocata* Townes & Chiu  
*Distribution* : Darjiling.
172. *Xanthopimpla ochracea valga* Krieger  
*Distribution* : Darjiling.
173. *Xanthopimpla predator* (Fabricius)  
*Distribution* : Darjiling.
174. *Xanthopimpla punctata* (Fabricius)  
*Distribution* : Kolkata.
175. *Xanthopimpla regina* Morley  
*Distribution* : Darjiling.
176. *Xanthopimpla sikkimensis* Cameron  
*Distribution* : South 24 Pgs. (Sunderban).
177. *Xanthopimpla stemmator* (Thunberg)  
*Distribution* : Kolkata.
178. *Theronia zebra iridipennis* Cameron  
*Distribution* : Not known.
179. *Parema nigrobalteata nigrobalteata* (Cameron)  
*Distribution* : Not known.
180. *Nomosphacia zebroides indicus* (Gupta)  
*Distribution* : Darjiling.



181. *Eugalta linearis linearis* Morley  
Distribution : Not known.
182. *Eugalta longipes* (Cameron)  
Distribution : Not known.
183. *Achorocephalus spinosus* (Cameron)  
Distribution : Darjiling.
184. *Cyrtorhysa mollerii* (Bengham)  
Distribution : Darjiling.  
Subfamily TRYPHONINAE
185. *Phytodietus (Neuchorus) longicauda* (Uchida)  
Distribution : Darjiling (Botanical Garden).
186. *Phytodietus (phytodietus) silvicola* Kaur & Jonathan  
Distribution : Darjiling (Botanical Garden, Rangiroon).
187. *Netelia (Apatagium) inequalis* (Uchida)  
Distribution : Darjiling (Lepchajagat).
188. *Netelia (Bessobates) tristrigata* (Enderlein)  
Distribution : Darjiling (Pashok).
189. *Netelia (Bessobates) virgata* (Fourcroy)  
Distribution : Darjiling (Lapchajagat, Goom-Bhanjang, Hima Falls).
190. *Netelia (Parabates) foersteri* Kaur & Jonathan  
Distribution : Darjiling (Rangiroon).
191. *Netelia (Longiterebates) grandis* Kaur & Jonathan  
Distribution : Darjiling (Darjiling Botanical Garden, Kurseong).
192. *Netelia (Longiterebates) himalayensis* Kaur & Jonathan  
Distribution : Darjiling (Lepchajagat).
193. *Netelia (Longiterebates) turgida* Kaur & Jonathan  
Distribution : Darjiling (Takdali).
194. *Netelia (Prosthodocis) japonica* Uchida  
Distribution : Darjiling (Lepchajagat).
195. *Netelia (Toxochiloides) latro latro* (Holmgren)  
Distribution : Darjiling, (Sukhia Pokhri, Poshok, Kalimpong, Goom, Kurseong), Barddhaman and Kolkata.
196. *Netelia (Netelia) carmichaeli* Kaur & Jonathan  
Distribution : Darjiling, (Singla).
197. *Netelia (Netelia) corrugata* Kaur & Jonathan  
Distribution : Darjiling (Darjiling Botanical Garden, Kurseong).
198. *Netelia (Netelia) fuscicornis* (Holmgren)  
Distribution : Darjiling (Darjiling Botanical Garden, Rangiroon, Goombhangjang, Monibhajang, Pasupathi).
199. *Netelia (Netelia) imitatrix* Kaur & Jonathan  
Distribution : Darjiling (Rangiroon, Darjiling Botanical Garden).
200. *Netelia (Netelia) intermedia* (Cameron)  
Distribution : Darjiling (Rangiroon).
201. *Netelia (Netelia) kashmirensis* (Cameron)  
Distribution : Darjiling (Rangiroon, Darjiling Botanical Garden, Ghoombhanjang, Monibhanjang, Takdah).
202. *Netelia (Netelia) laevis* (Cameron)  
Distribution : Darjiling (Rangiroon, Singla).
203. *Netelia (Netelia) lineata* (Brulle)  
Distribution : Not known.
204. *Netelia (Netelia) mirabilis* Kaur & Jonathan  
Distribution : Darjiling (Rangiroon).
205. *Netelia (Netelia) opacula* (Thomson)  
Distribution : Kolkata and Darjiling.

206. *Netelia (Netelia) orientalis* (Cameron)  
*Distribution* : Darjiling (Darjiling Botanical Garden, Monibhanjang, Kalimpong, Kurseong, Rangiroon) and Kolkata.
207. *Netelia (Netelia) rimosa* (Enderlein)  
*Distribution* : Darjiling (Rangiroon, Darjiling Botanical Garden, Takdah, Rangpo, Goom).
208. *Netelia (Netelia) rotunda* Kaur & Jonathan  
*Distribution* : Darjiling (Rangiroon).
209. *Netelia (Netelia) rukmaniea* Kaur & Jonathan  
*Distribution* : Darjiling (Botanical Garden).
210. *Netelia (Netelia) silantzevi* (Kokujev)  
*Distribution* : Darjiling (Darjiling Botanical Garden, Rangiroon, Manibhanjang).
211. *Netelia (Paropheltes) guptai* Kaur & Jonathan  
*Distribution* : Darjiling (Darjiling Botanical Garden, Rangiroon).
212. *Netelia (Paropheltes) sikkimensis* Kaur & Jonathan  
*Distribution* : Darjiling (Darjiling Botanical Garden).  
 Subfamily BANCHINAE
213. *Teleutaea prima* (Morley)  
*Distribution* : Darjiling.
214. *Glypta nursei* Cameron  
*Distribution* : Darjiling.
215. *Lissonota cracentis* Chandra & Gupta  
*Distribution* : Darjiling (Darjiling Botanical Garden, Rangiroon).
216. *Lissonota minuenta* (Morley)  
*Distribution* : Darjiling.
217. *Cryptopimpla taiwanensis* Momoi  
*Distribution* : Darjiling (Rangiroon).
218. *Syzeuctus leptopunctatus* Chandra & Gupta  
*Distribution* : Barddhaman.
219. *Syzeuctus villosus* (Cameron)  
*Distribution* : Darjiling (Rangiroon).
220. *Leptobatopsis indica* (Cameron)  
*Distribution* : Darjiling, (Rangpo) and North 24 Pgs. (Barrackpore).
221. *Banchopsis ruficornis* (Cameron)  
*Distribution* : Darjiling.
222. *Exetastes illusor* Gravenhorst  
*Distribution* : Darjiling.  
 Subfamily PORIZONTINAE
223. *Sinophorus nitidus* (Brischke)  
*Distribution* : Darjiling.
224. *Campoplex indicus* Gupta & Maheshwary  
*Distribution* : Darjiling.
225. *Campoplex maximalis* Gupta & Maheshwary  
*Distribution* : Darjiling, (Rangiroon, Darjiling Botanical Garden).
226. *Campoplex oriens* Gupta & Maheshwary  
*Distribution* : Darjiling (Rangiroon).
227. *Campoplex pseudocollinus* Gupta & Maheshwary  
*Distribution* : Darjiling (Darjiling Botanical Garden).
228. *Campoplex septentrionalis septentrionalis* Gupta & Maheshwary  
*Distribution* : Darjiling (Darjiling Botanical Garden, Rangiroon).
229. *Casinaria asnimae* Maheshwary & Gupta  
*Distribution* : Darjiling (Darjiling Botanical Garden).
230. *Casinaria atrata* Morley  
*Distribution* : Darjiling.
231. *Casinaria indubia* (Morley)  
*Distribution* : Darjiling.
232. *Casinaria minima* (Morley)  
*Distribution* : Kolkata.
233. *Charops bicolor* (Szepligeti)  
*Distribution* : Kolkata.
234. *Charops obtusus obtusus* Morley  
*Distribution* : Kolkata.

235. *Cymodusa josephi josephi* Gupta & Gupta

*Distribution* : Darjiling (Darjiling Botanical Garden, Rangiroon).

236. *Menaka nigrita* Gupta & Gupta

*Distribution* : Darjiling (Darjiling Botanical Garden).

237. *Delopia carinata* (Gupta & Gupta)

*Distribution* : Darjiling (Rangiroon).

238. *Delopia cariniscutis* Cameron

*Distribution* : Darjiling.

239. *Delopia cytaesis* (Cameron)

*Distribution* : Darjiling.

240. *Delopia petiolator* Fabricius

*Distribution* : Darjiling.

241. *Delopia prytanes* (Cameron)

*Distribution* : Darjiling (Darjiling Botanical Garden).

242. *Delopia simlaensis* (Cameron)

*Distribution* : Darjiling.

243. *Delopia townesi* (Gupta & Gupta)

*Distribution* : Darjiling (Darjiling Botanical Garden, Rangiroon).

244. *Kartika longifemorata* Gupta & Gupta

*Distribution* : Darjiling (Darjiling Botanical Garden, Rangiroon).

245. *Compoletis chlorideae* Uchida

*Distribution* : Haora (Bandel).

246. *Diadegma varuna* Gupta

*Distribution* : Darjiling.

247. *Olesicampe flavicornis* (Thompson)

*Distribution* : Darjiling.

248. *Eriborus mandibularis* (Cameron)

*Distribution* : Darjiling.

249. *Eriborus perfidus* (Gravenhorst)

*Distribution* : Darjiling.

Subfamily CREMASTINAE

250. *Pristomerus marginicollis* (Cameron)

*Distribution* : Kolkata.

251. *Temelucha stangli* Ashmead

*Distribution* : Not known.

Subfamily OPHIONINAE

252. *Ophion bicarinatus* Cameron

*Distribution* : Darjiling (Ghoombhanjung, Lepchajagat).

253. *Ophion fuscomaculatus* Cameron

*Distribution* : Darjiling (Sukhiapokhari).

254. *Ophion mustrus* Gauld

*Distribution* : Not known.

255. *Ophion nepus* Gauld & Mitchell

*Distribution* : Darjiling (Ghoombhanjung).

256. *Euryophion vexatious* Gauld & Mitchell

*Distribution* : Jalpaiguri.

257. *Enicospilus erythrocerus* (Cameron)

*Distribution* : Darjiling (Rayond).

258. *Enicospilus gasteralis* Nikam

*Distribution* : Darjiling (Bajanbari).

259. *Enicospilus grammospilus* Enderlein

*Distribution* : Darjiling.

260. *Enicospilus biharensis* Townes, Townes & Gupta

*Distribution* : Darjiling (Rangpo).

261. *Enicospilus dasychirae* (Cameron)

*Distribution* : Darjiling (Bijanbari).

262. *Enicospilus laqueatus* (Enderlein)

*Distribution* : Darjiling (Shanpur).

Subfamily MESOCHORINAE

263. *Mesochorus ? claristigmaticus* Morley

*Distribution* : Darjiling.

Subfamily METOPINAE

264. *Metopius (Ceratopius) dissectorius* lar Morley

*Distribution* : Not known.

265. *Metopius (Ceratopius) flavobalteatus* (Cameron)

*Distribution* : Darjiling.

266. *Metropius (Ceratopius) purpureotinctus* (Cameron)

*Distribution* : Darjiling.

267. **Triclistus aikini** (Cameron)  
Distribution : Not known.
268. **Macromalon orientale** Kerrich  
Distribution : Darjiling.
269. **Exochus flavicaput** Morley  
Distribution : Darjiling.  
Subfamily ANOMALONINAE
270. **Anomalon foliator** Fabricius  
Distribution : Kolkata.  
Subfamily GRAVENHORSTINAE
271. **Perisphincter triphone** Morley  
Distribution : Kolkata.  
Subfamily DIPLAZONTINAE
272. **Diplazon guptai** Diller  
Distribution : Darjiling.
273. **Promethes sulcator** (Gravenhorst)  
Distribution : Darjiling.
274. **Tymmophorus cinctus** (Gravenhorst)  
Distribution : Darjiling.
275. **Syrphoctonus dimidiatus** (Schrank)  
Distribution : Darjiling.  
Subfamily PHYGADEUONTINAE
276. **Dichrogaster pallens** Townes  
Distribution : Not known.
277. **Charitopes densus** Townes  
Distribution : Darjiling (Ghoom).
278. **Charitopes rugatus** Townes  
Distribution : Darjiling (Rangiroon).  
Subfamily HEMIGASTERINAE
279. **Mansa fulvipennis** (Cameron)  
Distribution : Darjiling.
280. **Hemigaster fulvipes** (Cameron)  
Distribution : Not known.
281. **Polytribax luteus** (Cameron)  
Distribution : Darjiling.
282. **Aconias spinatarsis** Cameron  
Distribution : Darjiling.  
Subfamily MESOSTENINAE
283. **Apocryptus biserratus** Gupta & Gupta  
Distribution : Darjiling (Darjiling Botanical Garden).
284. **Apocryptus erugatus** Gupta & Gupta  
Distribution : Darjiling (Darjiling Botanical Garden, Rangiroon).
285. **Apocryptus flavofacies** Gupta & Gupta  
Distribution : Darjiling (Rangiroon).
286. **Apocryptus flavorbitalis flavorbitalis** Gupta & Gupta  
Distribution : Darjiling ( Rangiroon).
287. **Apocryptus pilosus** Gupta & Gupta  
Distribution : Darjiling (Darjiling Botanical Garden).
288. **Apocryptus terebratus** Gupta & Gupta  
Distribution : Darjiling ( Rangiroon).
289. **Xoridesopus flavispeculum** Gupta & Gupta  
Distribution : Darjiling ( Rangiroon).
290. **Xoridesopus orientalis** Gupta & Gupta  
Distribution : Darjiling.
291. **Buathra excavata** (Cameron)  
Distribution : Darjiling (Darjiling Botanical Garden, Rangiroon, Sanchal, Lebong Cant.).
292. **Buathra luculenta** (Cameron)  
Distribution : Darjiling.
293. **Gotra marginata** Brulle  
Distribution : Kolkata (Zoo Garden, Alipore), Darjiling, (Goke, Singla, Takdah, Reyong, Rangpo, Andharikhola, Poshok).
294. **Anupama himalayensis** Jonarthan  
Distribution : Darjiling (Rangiroon).
295. **Menaforia indica** Gupta & Saxena  
Distribution : Nadia, Haora, (Sibpur), Murshidabad, Bankura, (Bishnupur) and South 24 Pgs. (Sunderban).
296. **Friona didymata** Morley  
Distribution : Kolkata.
297. **Friona lineatipes** Cameron  
Distribution : Darjiling (Teesta-Kalimpong route).
298. **Goryphus salutator** (Cameron)  
Distribution : Darjiling (Darjiling, Rangiroon).
299. **Goryphus sikkimensis** Jonathan & Gupta  
Distribution : Darjiling (Teesta).

300. *Goryphus hyalinoides* (Uchida)  
Distribution : Darjiling (Singla, Nilgung).
301. *Goryphus brahminus* (Cameron)  
Distribution : Darjiling (Rangpo).
302. *Skeatia maculifrons* Jonathan & Gupta  
Distribution : Darjiling (Rangiroon).
303. *Skeatia versatilis* (Cameron)  
Distribution : Darjiling (Teesta-Kalimpong route).
304. *Skeatia mysorensis* Jonathan & Gupta  
Distribution : Darjiling (Singla, Rangpo).
305. *Skeatia fuscineruis* (Cameron)  
Distribution : Darjiling (Rangpo).
306. *Gambroides javensis* (Rohwer)  
Distribution : Kolkata (Tollygung).
307. *Isotima difficilis* Jonathan  
Distribution : Darjiling (Teesta-Kalimpong route).
308. *Formostenus (Formostenue) flavofasciatus* Jonathan  
Distribution : Darjiling (Rangiroon).
309. *Lipoprion rifa-ornatus* (Cameron)  
Distribution : Jalpaiguri.  
Subfamily ICHENEUMONINAE
310. *Eccoptosage waagenii* Kriechbaumer  
Distribution : Darjiling.
311. *Pterocormus annaelisae himalayanus* (Heinrich)  
Distribution : Darjiling.
312. *Thascia pilosa* Cameron  
Distribution : Darjiling.
313. *Spilichneumon darjeelingensis* Cameron  
Distribution : Darjiling.
314. *Achais flavobalteatus* Cameron  
Distribution : Darjiling.
315. *Setanta himalayensis* Cameron  
Distribution : Darjiling.
316. *Coelojoppa cariniscutis* Cameron  
Distribution : Darjiling.
317. *Mesophadnus violaceipennis* Cameron  
Distribution : Darjiling.
318. *Darymna pleuralis* Cameron  
Distribution : Darjiling.
319. *Ichneumon (Ichneumon) annulipes* (Cameron)  
Distribution : Darjiling.
320. *Ichneumon (Ichneumon) fulvipes* (Cameron)  
Distribution : Darjiling.
321. *Ichneumon (Ichneumon) iridipennis* (Cameron)  
Distribution : Darjiling.
322. *Ichneumon (Ichneumon) lineaticeps* (Cameron)  
Distribution : Darjiling.
323. *Ichneumon (Ichneumon) rufofemoratus* Cameron  
Distribution : Darjiling.
324. *Ichneumon (Ichneumon) taihorinus* (Uchida)  
Distribution : Darjiling.
325. *Amblyjoppa forticornis forticornis* (Cameron)  
Distribution : Darjiling.
326. *Naenaria nigrocoerulea* (Cameron)  
Distribution : Darjiling.
327. *Cratojoppa robusta* Cameron  
Distribution : Darjiling.
328. *Ischnojoppa luteator* (Fabricius)  
Distribution : Darjiling.
329. *Platylabus uranius viridis* (Cameron)  
Distribution : Darjiling.  
Family POMPILIDAE
330. *Macromeris splendida* Lepeltier  
Distribution : Jalpaiguri (Jaldapara).
331. *Saliu perplexus* Smith  
Distribution : Jalpaiguri (Jaldapara).

Family EUMINIDAE

332. *Eumenes patiolata* Fabricius

*Distribution* : Jalpaiguri (Jaldapara).

Superfamily VESPOIDEA

Family SCOLIIDAE

Subfamily SCOLIINAE

Tribe COMPSOMERINI

333. *Phalerimeris phalerata phalerata*  
(Saussure)

*Distribution* : Darjiling (Singla, Lord Carmichael, Pashok, Bijanbari, Rangpo, Kalimpong), Jalpaiguri, (Chapramari forest, Jaldapara WLS).

334. *Micrromerie marginella marginella* (Klug)

*Distribution* : Darjiling (Siliguri, Dametin).

335. *Sericocampsomeris stygia stygia*  
(Illiger)

*Distribution* : Darjiling (Rangpo).

336. *Campsomeriella (Campsomeriella) collaris collaris* (Fabricius)

*Distribution* : South 24 Pgs., (Sunderban, Basanti), Birbhum, (Santineketan), Darjiling, (Bijanbari, Siliguri, Sukna, Teesta) and Kolkata, (Saltlake, Dum Dum Park, Dhapa, Eden Gardens, Alipur), Jalpaiguri (Jaldapara WLS).

337. *Campsomeriella (Annulimeris) annulata* (Fabricius)

*Distribution* : Darjiling (Bijanbari, Singla, Lord Carmichael), Jalpaiguri (Jaldapara WLS).

338. *Megacampsomeris sillongensis*  
(Betrem)

*Distribution* : Darjiling (Pedong, Lava, Darjiling, Sureli, Pashok).

339. *Megacampsomeris prismatica*  
(Smith)

*Distribution* : Darjiling (Darjiling, Pashok, Ghoom, Kurseong, Lava, Gaytoli, Mirik, Kalimpong, Rambh).

Tribe SCOLIINAE

340. *Liacos erythrosoma erythrosoma*  
(Burmeister)

*Distribution* : Darjiling (Senchal lake, Bijanbari).

341. *Liacos erythrosoma fulvopicta*  
Cameron

*Distribution* : North 24 Pgs. (Barackpore).

342. *Austroscolia ruficeps ruficeps*  
(Smith)

*Distribution* : Darjiling (Siliguri).

343. *Austrastolia nudata* (Smith)

*Distribution* : West Bengal (North Bengal).

344. *Megascolia (Regiscolia) fulvifrons*  
(Saussure)

*Distribution* : Darjiling.

345. *Megascolia (Regiscolia) azuria christiana* (Guiglia & Betrem)

*Distribution* : Darjiling (Rangpo, Reyang, Sonada, Mahanadi, Sukna), Jalpaiguri (Jaldapara WLS).

346. *Phalerimeris phalerata phalerata*  
Saussure

*Distribution* : Jalpaiguri (Jaldapara).

347. *Scolia (Discolia) cyanipennis*  
Fabricius

*Distribution* : Medinipur (Mecheda), South 24 Pgs. (Canning) and Kolkata (Eden Gardens).

348. *Scolia (Discolia) rubrosinuata*  
Betrem

*Distribution* : Kolkata.

349. *Scolia (Discolia) nobilis* Saussure  
*Distribution* : Darjiling (Singla).

350. *Scolia (Discolia) vollenhoveni vollenhoveni* Saussure

*Distribution* : Darjiling (Pashok).

351. *Scolia (Discolia) cruenta* Klug

*Distribution* : Jalpaiguri (Lataguri, Mangpoo), Darjiling, (Kurseong), Nadia, (Kalyani), Kolkata, (Saltlake).

352. *Scolia (Discolia) fasciatopunctata dunensis* Betrem

*Distribution* : Kolkata.

353. ***Scolia (Discolia) lebongensis*** Betrem  
*Distribution* : Darjiling (Pedong, Mirik).
354. ***Scolia (Discolia) desidiosa*** Bingham  
*Distribution* : Darjiling (Singla, Lord Carmichael).
355. ***Scolia (Discolia) affinis*** Guerin  
*Distribution* : Nadia, (Kalyani , Ranaghat), Darjiling, (Singla, Lord Carmichael), Jalpaiguri (Jaldapara WLS), Kolkata, (Dhapa, Saltlake, Eden Gardens), South 24 Pgs., (Sagar Island) and North 24 Pgs. (Barrackpore, Palta).
356. ***Scolia (Discolia) fichteli*** Betrem  
*Distribution* : Kolkata (Salt Lake).
357. ***Scolia (Discolia) elizabethae***  
 Bingham  
*Distribution* : Darjiling (Pashok, Lord Carmichael).
358. ***Scolia (Discolia) binotata binotata***  
 Fabricius  
*Distribution* : Darjiling (Singla, Bijanbari, Kalimpong, Teesta Bridge, Siliguri).
359. ***Scolia (Discolia) sikkimensis***  
 Bingham  
*Distribution* : Darjiling (Darjiling Hills).
360. ***Scolia (Discolia) wagneri*** Betrems  
*Distribution* : Darjiling (Darjiling, Rambh, Melli, Kalimpong).
361. ***Scolia (Discolia) quadripustulata***  
 Fabricius  
*Distribution* : Nadia.
362. ***Scolia (Discolia) carmichaeli***  
 Betrem  
*Distribution* : Darjiling.
363. ***Scolia (Discolia) venusta*** Smith  
*Distribution* : Darjiling.  
 Family VESPIDAE  
 Subfamily POLISTINAE
364. ***Polistes (Gyrostoma) tenebricosus sulcatus*** Smith  
*Distribution* : Darjiling (Singla, Rangeet Valley).
365. ***Polistes (Gyrostoma) olvaceus (De Geer)***  
*Distribution* : Darjiling, Hugli (Bhadraswar), Haora, (Botanical Garden), Murshidabad, South 24 Pgs. (Subhasgram), Nadia, (Phulia, Ranaghat), Kolkata and North 24 Pgs. (Titagarh).
366. ***Polistes (Gyrostoma) wattii*** Cameron  
*Distribution* : Kolkata.
367. ***Polistes (Gyrostoma) rothneyi rothneyi*** Cameron  
*Distribution* : North 24 Pgs.
368. ***Polistes (Gyrostoma) rothenyi sikkimensis*** van der Vecht  
*Distribution* : Darjiling (Rambi).
369. ***Polistes hoplites*** Saussure  
*Distribution* : Jalpaiguri (Jaldapara).
370. ***Polistes hebraeus*** Fabricius  
*Distribution* : Jalpaiguri (Jaldapara).
371. ***Polistes (Polistella) nigratarsis***  
 Cameron  
*Distribution* : North 24 Pgs. and Darjiling.
372. ***Polistes (Polistella) adustus*** Bingham  
*Distribution* : Darjiling.
373. ***Polistes (Polistella) stigma tamula***  
 (Fabricius)  
*Distribution* : North 24 Pgs., Jalpaiguri, (Pakuahat), Bankura, Hugli (Bandel) and Puruliya.
374. ***Polistes (Polistella) strigosus atratus*** Das & Gupta  
*Distribution* : Darjiling (Singla, Lord Carmichael, Siliguri).
375. ***Polistes (Polistella) sagittarius***  
 Saussure  
*Distribution* : North 24 Pgs. and Darjiling, (Singla).
376. ***Ropalidia ferruginea*** Saussure  
*Distribution* : Jalpaiguri (Jaldapara).
377. ***Ropalidia guttatipennis*** Saussure  
*Distribution* : Jalpaiguri (Jaldapara).

378. ***Ropalidia formosa*** Saussure  
*Distribution* : Jalpaiguri (Jaldapara).
379. ***Ropalidia sumatrae*** Saussure  
*Distribution* : Jalpaiguri (Jaldapara).
380. ***Ropalidia (Anthreneida) mirginata mirginata*** (Lepeletier)  
*Distribution* : Medinipur (Jhargram), North 24 Pgs., Kolkata and Jalpaiguri (Jaldapara).
381. ***Ropalidia (Anthreneida) brevita***  
Das & Gupta  
*Distribution* : Haora and Darjiling.
382. ***Ropalidia (Anthreneida) santoshae***  
Das & Gupta  
*Distribution* : Darjiling (Pashok).
383. ***Ropalidia (Anthreneida) artifex***  
(Saussure)  
*Distribution* : North 24 Pgs. and Jalpaiguri (Jaldapara).
384. ***Ropalidia (Anthreneida) rufocollaris rufocollaris*** (Cameron)  
*Distribution* : Darjiling (Singla, Pashok).
385. ***Ropalidia (Anthreneida) stigma stigma*** (Smith)  
*Distribution* : North 24 Pgs.
386. ***Ropalidia (Anthreneida) sumatrae lugbris*** (Smith)  
*Distribution* : Kolkata.
387. ***Ropalidia (Anthreneida) variegata varigata*** (Smith)  
*Distribution* : Kolkata (Eden Gardens).
388. ***Ropalidia (Icarielia) scitula*** Bingam  
*Distribution* : Darjiling.
389. ***Parapolybia indica indica***  
(Saussure)  
*Distribution* : Puruliya (Ajodhya Hills).
390. ***Paqrapolybia varia*** (Fabricius)  
*Distribution* : Darjiling (Darjiling, Ghumti, Pashok), North 24 Pgs.  
Subfamily VESPINAE
391. ***Vespa binghami*** Buysson  
*Distribution* : Darjiling (Darjiling).
392. ***Vespa affinis*** (Linnaeus)  
*Distribution* : Kolkata.
393. ***Vespa analis*** Fabricius  
*Distribution* : Darjiling.
394. ***Vespa basalis*** Smith  
*Distribution* : Jalpaiguri (Rajabhatkhawa), Puruliya (Ajodhya Hills), Darjiling and North 24 Pgs.
395. ***Vespa bicolor*** Fabricius  
*Distribution* : Jalpaiguri (Kathambari, Gazaldobe) and Darjiling (Singla, Lord Carmichael).
396. ***Vespa mandarinia*** Smith  
*Distribution* : Darjiling (Darjiling, Singla, Lord Carmichael).
397. ***Vespa orientalis*** Linnaeus  
*Distribution* : Barddhaman (Adrahati), Bankura (Simlapal, Bishnupur), Maldah, (Mehidipur, Chachal), Kolkata, Birbhum (Illambazar, Palispur), Puruliya, (Khejurdanga) and Medinipur (Gorbeta).
398. ***Vespa tropica*** (Linnaeus)  
*Distribution* : Haora (Bally, Andul), North 24 Pgs. (Palta, Rahara, Jafarpur), Darjiling (Lord Carmichael, Singla, Nakshalbari), Hugli (Tribeni), South 24 Pgs. (Subhasgram, Baruipur, Sonarpur), Kolkata, Birbhum (Palispur), Purulia (Ajodhya hills), West Dinajpur (Malen) and Jalpaiguri (Jaldapara).
399. ***Vespa fumida*** van der Vecht  
*Distribution* : Darjiling.
400. ***Vespa velutina*** Lepeletier  
*Distribution* : Darjiling.
401. ***Vespula orbata orbata*** Buysson  
*Distribution* : Darjiling.
402. ***Provespa anomala*** (Saussure)  
*Distribution* : Darjiling, Jalpaiguri (Jaldapara).
- Superfamily CHALCIDOIDEA  
Family PTEROMALIDAE
403. ***Panstenon bengalense*** Narendra & Girish Kumar  
*Distribution* : South 24 Pgs. (Sunderban).



404. ***Psilocera neoclavicornis*** Narendran & Girish Kumar  
*Distribution* : South 24 Pgs. (Sunderban).
405. ***Pteromalus sunderbanicus***  
 Narendran & Girish Kumar  
*Distribution* : South 24 Pgs. (Sunderban).
406. ***Metastenus indicus*** Sureshan & Narendran  
*Distribution* : South 24 Pgs. (Sunderban).
407. ***Notoglyptus scutellaris*** (Dodd & Girault)  
*Distribution* : South 24 Pgs. (Sunderban).
408. ***Propicroscytus mirificus*** (Girault)  
*Distribution* : South 24 Pgs. (Sunderban).
409. ***Pteromalus keralensis*** Sureshan  
*Distribution* : South 24 Pgs. (Sunderban).
410. ***Pteromalus puparuns*** (Linnaeus)  
*Distribution* : South 24 Pgs. (Sunderban).  
 Family CHALCIDIDAE
411. ***Antrocephalus validicornis***  
 (Holmgren)  
*Distribution* : South 24 Pgs. (Sunderban).
412. ***Brachymeria lasus*** (Walter)  
*Distribution* : South 24 Pgs. (Sunderban).
413. ***Hockeria fronta*** Narendran  
*Distribution* : South 24 Pgs. (Sunderban).
414. ***Tropimeris monodon*** Boucek  
*Distribution* : South 24 Pgs. (Sunderban).  
 Family EULOPHIDAE
415. ***Aprostocetus bangaloricus***  
 Narendran  
*Distribution* : South 24 Pgs. (Sunderban).
416. ***Aprostocetus ricosus*** Narendran.  
*Distribution* : South 24 Pgs. (Sunderban).
417. ***Aprostocetus vatiata*** Narendran  
*Distribution* : South 24 Pgs. (Sunderban).
418. ***Leptocybe invasa*** Fisher & Lasalle  
*Distribution* : South 24 Pgs. (Sunderban).
419. ***Neotrichoporoides curiosus***  
 Narendran & Girish Kumar  
*Distribution* : West Bengal (Sunderban).
420. ***Tetrastichus dulciculus*** Narendran  
*Distribution* : South 24 Pgs. (Sunderban).
421. ***Elasmus punensis*** Mani & Saraswat  
*Distribution* : South 24 Pgs. (Sunderban).  
 Family EURYTOMIDAE
422. ***Philolema albitarsis*** (Motschulsky)  
*Distribution* : South 24 Pgs. (Sunderban).
423. ***Philolema nadia*** Narendran & Girish Kumar  
*Distribution* : Nadia (Krishnanagar).
424. ***Eurytoma agalica*** Narendran  
*Distribution* : South 24 Pgs. (Sunderban).
425. ***Eurytoma chaitra*** Narendran  
*Distribution* : South 24 Pgs. (Sunderban).
426. ***Eurytoma tanjorensis*** Narendran  
*Distribution* : South 24 Pgs. (Sunderban).  
 Family EUCHARITIDAE
427. ***Anorasema manii*** Heraty  
*Distribution* : Koch Bihar (Alipurduar).
428. ***Gollumiella antennata*** (Gahan)  
*Distribution* : Jalpaiguri (Poru).
429. ***Gollumiella longipetiolata***  
 Hedqvist  
*Distribution* : Jalpaiguri (Poru).
430. ***Schizaspidia furcifera*** Westwood  
*Distribution* : West Bengal.

## **PALAEOSTRACHA : XIPHOSURA**

Class PALAEOSTRACHA  
Subclass MEROSTOMATA  
Order XIPHOSURA  
Family XIPHOSURIDAE  
Subfamily TACHYPLEINAE

1. *Tachypleus gigas* (Müller)  
*Distribution* : Medinipur, South 24 Pgs.  
2. *Carcinoscorpius rotundicauda*  
(Latreille)  
*Distribution* : Medinipur, South 24 Pag.

## ARACHNIDA : ARANEAE (SPIDER)

Phylum ARTHROPODA

Class ARACHNIDA

Order ARANEAE

Family THERAPHOSIDAE

1. **Haploclastus himalayensis** Tikader

*Distribution* : Darjiling.

Family OECOBIIDAE

2. **Oecobius putus** Cambridge

*Distribution* : Kolkata, Darjiling and Barddhaman.

Family ERESIDAE

3. **Stegodyphus sarasinorum** Karsch

*Distribution* : Medinipur (Near Kasai river, Kharagpur, Pashkura), South 24 Pgs. (Kachuberia, Gangasagar), Maldah (Pyasbari), Kolkata and Barddhaman (Chittaranjan).

Family ULOBORIDAE

4. **Uloborus danolius** Tikader

*Distribution* : North 24 Pgs. (Barasat, Parmadan deer park), South 24 Pgs. (Gosaba, Basanti), Maldah (Bamangola) and Medinipur (Kolaghat, Ghatal, Datan).

5. **Uloborus krishnae** Tikader

*Distribution* : Maldah (Mahadebpur).

Family ZODARIIDAE

6. **Lutica bengalensis** Tikader & Patel

*Distribution* : Kolkata (Bhawanipur).

7. **Storena debasrae** Biswas and Biswas

*Distribution* : North 24 Pgs. (Palta, Santinagar).

Family HERSILIDAE

8. **Hersilia savignyi** Lucas

*Distribution* : Kolkata, Medinipur (Kolaghat, Datan), Murshidabad (Dhulion), North 24 Pgs. (Bongaon, Barasat), Nadia (Ranaghat), South 24 Pgs. (Gosaba), Hugli (Chandur Forest, Arambagh), Dinajpur (Raigunj) and Jalpaiguri (BTR).

9. **H. sumatrana** (Thorell)

*Distribution* : Darjiling.

Family PHOLCIDAE

10. **Artema atlanta** Walckenaer

*Distribution* : Medinipur (Datan), Murshidabad (Dhulion, Lalbagh, Lalgola), Kolkata, Maldah and Nadia (Ranaghat).

11. **Pholocus phalangioides** (Fuesslin)

*Distribution* : Jalpaiguri (BTR), Darjiling.

12. **Crossopriza lyoni** (Blackwall)

*Distribution* : Jalpaiguri (BTR), Kolkata, Maldah (Gajal, Bamangola, Habibpur), North 24 Pgs. (Nilgange), Murshidabad (Dhulion, Lalgola), South 24 Pgs. (Namkhana, Gangasagar, Patharpratima, Gosaba, Basanti), Medinipur (Kolaghat, Jhargram) and Nadia (Ranaghat).

Family SCYTODIIDAE

13. **Scytodes kinsukus** Patel

*Distribution* : Jalpaiguri (BTR).

14. **Scytodes propinqua** Stoliczka

*Distribution* : North 24 Pgs. (Palta, Barasat, Parmadan deer park), South 24 Pgs. (Kakdwip) and Kolkata.

15. **Scytodes thoracica** (Latreille)

*Distribution* : Jalpaiguri (BTR), North 24 Pgs. (Palta, Barasat) and Kolkata.

Family SALTICIDAE

16. **Asemonea santinagarensis**

Biswas & Biswas

*Distribution* : North 24 Pgs. (Palta, Santinagar).

17. **Asemonea tenuipes** (Cambridge)

*Distribution* : North 24 Pgs. (Palta) and Jalpaiguri.

18. **Epeus chilapataensis** (Biswas & Biswas)

*Distribution* : Koch Bihar (Chilapata forest).

19. ***Euophrys chiriatapuensis*** Tikader  
*Distribution* : Koch Bihar (Chilapata forest), Kolkata, Maldah (Mahadebpur, Piasbari), Jalpaiguri (Subhashini Tea Estate), North 24 Pgs. (Basirhat, Petropole, Barasat, Bongaon) and Nadia (Santipur, Krishnanagar).
20. ***Marpissa anusuae*** Tikader & Biswas  
*Distribution* : Kolkata.
21. ***Maripisa arambagensis*** Biswas & Biswas  
*Distribution* : Hugli (Chandur forest, Arambagh).
22. ***Marpissa dayapurensis*** Majumder  
*Distribution* : South 24 Pgs. (Dayapur, Sundarban).
23. ***Marpissa decorata*** Tikader  
*Distribution* : Kolkata, Haora and Jalpaiguri.
24. ***Marpissa endenae***  
 Biswas & Biswas  
*Distribution* : Kolkata (Eden Gardens).
25. ***Marpissa gangasagarensis*** Majumder  
*Distribution* : South 24 Pgs. (Sagar Island).
26. ***Phlegra dhakuriensis*** (Tikader)  
*Distribution* : Kolkata, South 24 Pgs. and Haora.
27. ***Marpissa kalighatensis*** Biswas & Biswas  
*Distribution* : Kolkata (New Alipur).
28. ***Marpissa lakshmikantapurensis***  
 Majumder  
*Distribution* : South 24 Pgs. (Sundarban, Lakshmikantapur).
29. ***Marpissa nutanae*** Biswas & Biswas  
*Distribution* : Kolkata and South 24 Pgs.
30. ***Marpissa prathamae*** Biswas & Biswas  
*Distribution* : Kolkata, South 24 Pgs. and Hugli (Kamarpukur, Arambagh, Chandur forest).
31. ***Marpissa tigrina*** Tikader  
*Distribution* : Kolkata (Eden Gardens).
32. ***Marpissa tikaderi*** Biswas  
*Distribution* : Kolkata and South 24 Pgs.
33. ***Myrmarachne bengalensis*** Tikader  
*Distribution* : Kolkata, South 24 Pgs., Darjiling, Haora, Maldah, Medinipur, West Dinajpur and Jalpaiguri.
34. ***Myrmarachne calcuttaensis*** Biswas  
*Distribution* : Kolkata, South 24 Pgs., Darjiling, Haora, Maldah, Medinipur, West Dinajpur and Jalpaiguri.
35. ***Myrmarachne maratha*** Tikader  
*Distribution* : Kolkata, South 24 Pgs., Darjiling, Haora, Maldah, Medinipur, West Dinajpur and Jalpaiguri (BTR).
36. ***Myrmarachne orientalis*** Tikader  
*Distribution* : Maldah (Adina deer park), Dinajpur (Raigunge), Medinipur, Darjiling (Singla Bazar), Haora (Botanical Garden Sibpur), North 24 Pgs. (Barasat), South 24 Pgs. (Basanti) and Kolkata.
37. ***Myrmarachne plataloides***  
 (Cambridge)  
*Distribution* : Jalpaiguri (Chilapata forest) and North 24 Pgs. (Parmadan deer park).
38. ***Plexippus calcutensis*** (Tikader)  
*Distribution* : Kolkata, South 24 Pgs., Haora and Jalpaiguri (BTR).
39. ***P. pokhrae*** Zabka  
*Distribution* : Jalpaiguri (BTR).
40. ***Phlegra dhakuriensis*** (Tikader)  
*Distribution* : Kolkata.
41. ***Plexippus paykulli*** (Andouin)  
*Distribution* : Medinipur (Panskura), Haora (Botanical Garden Sibpur), Jalpaiguri (Jaldapara Sanctuary), Barddhaman (Asansol), Maldah (Adina deer park), North 24 Pgs. (Parmadan deer park, Barasat), South 24 Pgs. (Namkhana, Gosaba, Basanti), Murshidabad (Lalbagh, Sagar dighi) and Darjiling.
42. ***Rhene decorata*** Tikader  
*Distribution* : Barddhaman (Asansol) and Kolkata.

43. *Rhene danieli* Tikader

*Distribution* : Kolkata.

44. *Rhene indica* Tikader

*Distribution* : Kolkata, Jalpaiguri.

45. *Rhene khandalaensis* Tikader

*Distribution* : Nadia (Kalyani), Jalpaiguri.

46. *Rhene pantharae* sp nov

*Distribution* : Nadia (Ranaghat).

47. *Phintella vittata* (Koch)

*Distribution* : Nadia (Kalyani, Ranaghat), Medinipur (Chandrakona Road), Jalpaiguri (Jaldapara Sanctuary, Rajabhatkhawa, Buxa forest, Chilapata forest), Kolkata, Haora (Botanical Garden Sibpur), Koch Bihar (Gossanimari forest, Joygaon), North 24 Pgs. (Barasat, Basirhat, Baikunthapore, Bongaon), Murshidabad (Lalbagh), South 24 Pgs., Bardhaman (Barakar, Durgapur) and Maldah (Mahadebpur).

48. *Phidippus bengalensis* Tikader

*Distribution* : Medinipur (Belpahari, Pashkura), Kolkata, Nadia (Santipur), Haora (Botanical Garden Sibpur), Jalpaiguri (BTR).

49. *Telamenia dimidinta* Simon

*Distribution* : South 24 Pgs. (Gosaba), Medinipur (Kolaghat), Koch Bihar (Gossanimari forest), North 24 Pgs. (Barasat, Petrapole), Murshidabad (Sagardighi, Lalbagh), Nadia (Kalyani), Maldah (Mahadebpur), Jalpaiguri (Chilapata forest, Jaldapara Sanctuary) and Kolkata.

50. *Telamenia bengalensis* Tikader

*Distribution* : South 24 Pgs., Medinipur and Nadia.

51. *Telamenia indicus* Tikader

*Distribution* : Kolkata, South 24 Pgs., Koch Bihar, Maldah, Jalpaiguri, Medinipur, Murshidabad, Nadia.

52. *Zygoballus narmadaensis* Tikader

*Distribution* : Birbhum (Suri), North 24 Pgs. (Barti-bill), Hugli (Kamarpukur) and Jalpaiguri.

53. *Hyllus semicuprens* (Simon)

*Distribution* : Kolkata, Dinajpur (Raigunj), Nadia (Kalyani), North 24 Pgs. (Bongaon), South 24 Pgs. (Sagar Island, Patharpratima), Jalpaiguri (Buxa forest), Maldah (Pias Bari), Hugli, Haora (Botanical Garden Sibpur), Murshidabad and Jalpaiguri (BTR).

54. *Pistius* Sp.

*Distribution* : Jalpaiguri (BTR).

55. *Harmochirus brachiatus* Thorell

*Distribution* : Jalpaiguri (BTR).

Family THOMISIDAE

56. *Amyciaea forticeps* (Cambridge)

*Distribution* : Jalpaiguri (Rajabhatkhawa, Buxa forest), South 24 Pgs. and North 24 Pgs. (Parmadan deer park).

57. *Bomis bengalensis* Tikader

*Distribution* : Kolkata.

58. *Bomis calcutaensis* Biswas & Majumdar

*Distribution* : Kolkata.

59. *Camaricus formosus* Thorell

*Distribution* : Kolkata, Jalpaiguri (Rajabhatkhawa), Nadia (Plassey), North 24 Pgs. (Basirhat, Baikunthapur) and Darjiling (Neora Valley).

60. *Diaea bengalensis* Biswas & Majumdar

*Distribution* : Jalpaiguri (Rajabhatkhawa) and Kolkata.

61. *Dieta* sp.

*Distribution* : Darjiling (Senchal WLS).

62. *Misumena nicobariensis* Tikader

*Distribution* : Darjiling.

63. *Oxyptila manii* Tikader

*Distribution* : North 24 Pgs.

64. *Oxyptila renae* Basu

*Distribution* : Hugli.

65. *Lysiteles brunettii* Tikader

*Distribution* : Darjiling.

66. *Pistiu* sp.

*Distribution* : Jalpaiguri (BTR).

67. *Runcinia affinis* Simon  
Distribution : Kolkata.
68. *Synaema decoratum* Tikader  
Distribution : Kolkata.
69. *Thomisus beautifularis* Basu  
Distribution : Kolkata.
70. *Thomisus bulani* Tikader  
Distribution : Kolkata and Jalpaiguri (BTR).
71. *Thomisus dhakuriensis* Tikader  
Distribution : Kolkata.
72. *Thomisus elongatus* Stoliczka  
Distribution : Kolkata and Purulia (Villadih).
73. *Thomisus katrajghatus* Tikader  
Distribution : Jalpaiguri (Jaldapara Sanctuary, BTR), Nadia (Ranaghat, Kalyani), Kolkata, Hugli (Tarakeshwar) and North 24 Pgs. (Bongaon, Petrapole, Baikunthapur, Basirhat, Barasat).
74. *Thomisus mimae* Sen & Basu  
Distribution : Kolkata.
75. *Thomisus projectus* Tikader  
Distribution : Kolkata.
76. *Thomisus pugilis* Stoliczka  
Distribution : Jalpaiguri (BTR) and Kolkata.
77. *Thomisus shillongensis* Sen  
Distribution : Jalpaiguri (BTR).
78. *Thomisus sorajaii* Basu  
Distribution : Kolkata.
79. *Thomisus* sp.  
Distribution : Darjiling (Neora Valley).
80. *Xysticus bengalensis*  
Tikader & Biswas  
Distribution : Darjiling.
81. *Xysticus himalayensis*  
Tikader & Biswas  
Distribution : Darjiling.
82. *Xysticus hindusthanicus*  
Tikader & Biswas  
Distribution : Darjiling and Jalpaiguri.
83. *Xysticus kali* Tikader & Biswas  
Distribution : Darjiling and Jalpaiguri.
84. *Xysticus minutus* Tikader  
Distribution : Jalpaiguri (BTR), Haora (Botanical Garden), Medinipur (Chandrakona Road), Kolkata, Nadia (Ranaghat) and North 24 Pgs. (Basirhat, Barasat).
85. *Xysticus khasiensis*  
Distribution : Darjiling (Senchal WLS).  
Family PHILLODROMIDAE
86. *Philodromus assamensis* Tikader  
Distribution : Kolkata.
87. *Philodromus maliniae* Tikader  
Distribution : Kolkata.
88. *Tibellus elongatus* Tikader  
Distribution : Kolkata and North 24 Pgs. (Basirhat).  
Family SPARASSIDAE
89. *Butaniella sikkimensis* Gravely  
Distribution : Darjiling, North 24 Pgs. and South 24 Pgs.
90. *Heteropoda acuta* Saha, Biswas and Raychaudhuri  
Distribution : Jalpaiguri (BTR).
91. *Heteropoda leprosa* Simon  
Distribution : Darjiling and Jalpaiguri (Rajabhatkhawa).
92. *Heteropoda buxa* Biswas & Raychoudhuri  
Distribution : Jalpaiguri (BTR).
93. *Heteropoda kandiana* Pocock  
Distribution : Darjiling, North 24 Pgs. and South 24 Pgs.
94. *Heteropoda straminiosa* Kundu, Biswas & Raychoudhuri  
Distribution : Jalpaiguri (BTR).
95. *Heteropoda venatoria* (Linnaeus)  
Distribution : Darjiling, North 24 Pgs., South 24 Pgs. and Jalpaiguri.
96. *Pseudopoda akashi* Whi & Tikadar  
Distribution : Jalpaiguri (BTR).

97. ***Heteropoda sexpunctata*** Simon  
*Distribution* : Kolkata, Hugli, South 24 Pgs. and Birbhum.
98. ***Pseudopoda prompta*** Cambridge  
*Distribution* : North 24 Pgs. (Barasat) and Darjiling.
99. ***Olios tikaderi*** Kundu, Biswas & Roychoudhuri  
*Distribution* : Jalpaiguri (BTR).
100. ***Olios mulleti*** (Pocock)  
*Distribution* : Darjiling.
101. ***Olios punctipes*** Simon  
*Distribution* : Darjiling, Kolkata, Haora, North 24 Pgs.
102. ***Spariolenus tigris*** Simon  
*Distribution* : North 24 Pgs., Haora, Hugli and Murshidabad.
- Family CLUBIONIDAE
103. ***Clubiona analis*** Thorell  
*Distribution* : North 24 Pgs. (Barasat).
104. ***Clubiona bengalensis*** Biswas  
*Distribution* : Kolkata.
105. ***Clubiona boxaensis*** Biswas & Biswas  
*Distribution* : Jalpaiguri (Buxa forest) and Darjiling.
106. ***Clubiona drassodes*** Cambridge  
*Distribution* : Haora (Botanical Garden) and Barddhaman (Agril. Farm).
107. ***Clubiona filicata*** Cambridge  
*Distribution* : Hugli (Chandur forest, Arambagh), South 24 Pgs. (Basanti), Barddhaman (Asansol, Durgapur) and North 24 Pgs. (Gopalpur, Petrapole).
108. ***Clubiona ludhianaensis*** Tikader  
*Distribution* : Hugli (Chandur forest, Arambagh), Birbhum (Santiniketan) and North 24 Pgs. (Barti-bill).
109. ***Clubiona pogonias*** Simon  
*Distribution* : Darjiling.
110. ***Clubiona shillongensis*** Majumder & Tikader  
*Distribution* : Darjiling.
111. ***Simalio biswasi*** Majumder & Tikader  
*Distribution* : Kolkata (Zoological Garden).  
 Family MITHURGIDAE
112. ***Cheiracanthium himalayensis*** Gravely  
*Distribution* : Darjiling (Kalimpong, Sutherland, Tindharia).
113. ***Cheiracanthium melanostoma*** (Thorell)  
*Distribution* : Medinipur (Ghatal), North 24 Pgs. (Nilgunj, Parmadan deer park, Gopalpur), Nadia (Kalyani), Kolkata and South 24 Pgs. (Gangasagar, Patharpratima, Gosaba).
114. ***Cheiracanthium murina*** Thorell  
*Distribution* : Darjiling (Kalimpong).
115. ***Cheiracanthium mysorensis*** Majumder & Tikader  
*Distribution* : South 24 Pgs. (Bagna Bandh, Sundarban).
116. ***Cheiracanthium indicum*** Cambridge  
*Distribution* : Darjiling (Kalimpong, Sutherland).
117. ***Cheiracanthium insigne*** Cambridge  
*Distribution* : North 24 Pgs. (Palta), Haora (Sibpur), Jalpaiguri (Jaintia hills) and Kolkata (Zoological Garden, Iron side road).
118. ***Cheiracanthium pauriensis*** Majumder & Tikader  
*Distribution* : Darjiling (Richmond hills).
119. ***Cheiracanthium trivialis*** (Thorell)  
*Distribution* : Darjiling (Kalimpong, Sutherland), Haora (Botanical Garden), Barddhaman (Chittaranjan), Birbhum (Gamatia), Jalpaiguri (Jaldapara sanctuary) and Kolkata (Zoological Garden).
120. ***Cheiracanthium*** sp.  
*Distribution* : Darjiling (Neora Valley).  
 Family CORINNIDAE
121. ***Oedignatha carli*** Riemoser  
*Distribution* : Darjiling.

122. ***Oedignatha scrobiculata*** Thorell  
(Corinnidae)  
*Distribution* : Darjiling (Darjiling Zoological Garden), Hugli (Serampore), Birbhum and Kolkata (Tollygunj).
123. ***Castianeira albopicta*** Gravely  
*Distribution* : Darjiling (Pashok, Kalimpong).
124. ***Castianeira bengalensis*** Biswas  
*Distribution* : Kolkata (Alipore Zoological Garden).
125. ***Castianeira himalayensis*** Gravely  
*Distribution* : Jalpaiguri (BTR) and Kolkata (Eden Gardens).
126. ***Castianeira indica*** Tikader  
*Distribution* : Darjiling (Darjiling Zoological Garden).
127. ***Castianeira tinae*** Patel & Patel  
*Distribution* : North 24 Pgs. (Palta).
128. ***Castianeira quadrimaculata***  
Reimoser  
*Distribution* : North 24 Pgs. (Palta).
129. ***Castianeira zetes*** Simon  
*Distribution* : Darjiling (Kalimpong).  
Family LIOCRANIDAE
130. ***Sphingius caniceps*** Simon  
*Distribution* : Kolkata (Indian Museum compound).
131. ***Sphingius paltaensis*** Biswas & Biswas  
*Distribution* : North 24 Pgs. (Palta, Santinagar).  
Family GNAPHOSIDAE
132. ***Chlochroa barmani*** Tikader  
*Distribution* : South 24 Pgs. (Sundarban, Balikhali, Kakdwip, Sagar Island).
133. ***Drassodes sagarensis***  
*Distribution* : Jalpaiguri (BTR).
134. ***Gnaphosa poonaensis*** Tikader  
*Distribution* : Darjiling (Mirik).
135. ***Geodrassus himalayensis*** Tikader & Gagbe  
*Distribution* : Darjiling (Kalimpong, Kurseong, Mirik).
136. ***Haplodrassus dumdumensis***  
Tikader  
*Distribution* : Kolkata.
137. ***Herpyllus calcuttaensis*** Biswas  
*Distribution* : Kolkata.
138. ***Megamyрмаekion kajalae*** Biswas & Biswas  
*Distribution* : North 24 Pgs. (Palta, Santinagar).
139. ***Poecilochroa barmani*** Tikader  
*Distribution* : South 24 Pgs. (Gangasagar, Bakkhali).
140. ***Scopodes kuljitae*** Tikader  
*Distribution* : South 24 Pgs. (Gangasagar).
141. ***Scotophaeus domesticus*** Tikader  
*Distribution* : Kolkata.
142. ***Scotophaeus madalasaе*** Tikader & Gajbe  
*Distribution* : Kolkata.
143. ***Sctashis subtilis*** (Simon)  
*Distribution* : Hugli.
144. ***Urozelotes rusticus*** (Koch)  
*Distribution* : Kolkata.  
Family OXYOPIDAE
145. ***Oxyopes birmanicus*** Thorell  
*Distribution* : Kolkata.
146. ***Oxyopes javanus*** Thorell  
*Distribution* : Kolkata, Jalpaiguri and North 24 Pgs.
147. ***Oxyopes pandae*** Tikader  
*Distribution* : South 24 Pgs.
148. ***Oxyopes raddyi*** Majumder  
*Distribution* : South 24 Pgs.
149. ***Oxyopes ratnae*** Tikader  
*Distribution* : Kolkata, South 24 Pgs. (Namkhana, Gosaba), Medinipur (Kolaghat, Panskura, Jhargram), Maldah (Mahadebpur, Pias Bari), Jalpaiguri (BTR), North 24 Pgs. (Barasat, Petrapole, Parmadan deer park), Murshidabad (Sagardighi, Domkal,



Raghunathgunj, Kandi, Baharampur) and Hugli (Tarakeshwar).

150. *Oxyopes sakuntalae* Tikader

*Distribution* : Darjiling.

151. *Oxyopes shweta* Tikader

*Distribution* : Jalpaiguri (BTR), Hugli (Chandur forest Arambagh), North 24 Pgs. and Kolkata.

152. *Hamataliwa sikkimensis* Tikader

*Distribution* : Jalpaiguri (Rajabhatkhawa) and Kolkata.

153. *Oxyopes sitae* Tikader

*Distribution* : Jalpaiguri (Buxa forest).

154. *O. sunandae* Tikader

*Distribution* : South 24 Pgs.

155. *Oxyopes hotingchiehi* Schankel

*Distribution* : Jalpaiguri (BTR).

156. *Oxyopes subhadrae* Tikader

*Distribution* : Jalpaiguri (BTR).

157. *Oxyopes subimali* Biswas

*Distribution* : Jalpaiguri (BTR).

158. *Oxyopes minutus* Biswas

*Distribution* : Jalpaiguri (BTR).

159. *Oxyopes ovatus* Biswas

*Distribution* : Jalpaiguri (BTR).

160. *Oxyopes reticulatus* Biswas

*Distribution* : Jalpaiguri (BTR).

161. *Peucetia latikae* Tikader

*Distribution* : Hugli (Kamarpukur, Arambagh), Nadia (Krishnanagar), Jalpaiguri (BTR) and South 24 Pgs. (Kachuberia, Gangasagar).

162. *Peucetia viridana* Stoliczka

*Distribution* : Medinipur and Kolkata.

Family THERIDIIDAE

163. *Achaearanea durgae* Tikader

*Distribution* : Hugli (Chandur forest Arambagh) and Jalpaiguri (BTR).

164. *Argyrodes andamanensis* Tikader

*Distribution* : Jalpaiguri (BTR).

165. *Argyrodes gazedes* Tikader

*Distribution* : Jalpaiguri (BTR), Darjiling.

166. *Theridula angula* Tikader

*Distribution* : Jalpaiguri (BTR), Darjiling.

167. *Theridion indicum* Tikader

*Distribution* : North 24 Pgs. (Parmadan deer park).

Family LYCOSIDAE

168. *Arctosa himalayensis* Tikader &

Malhotra

*Distribution* : Kolkata and North 24 Pgs. (Minakhan).

169. *Arctosa indica* Tikader & Malhotra

*Distribution* : Kolkata, North 24 Pgs. (Hingalgunj) and South 24 Pgs. (Kulpi).

170. *Arctosa mulani* (Dyal)

*Distribution* : South 24 Pgs. (Mandirbaker, Kulpi).

171. *Arctosa khudiansis* Tikader & Malhotra

*Distribution* : South 24 Pgs. (Patharpratima).

172. *Arctosa sandeshkhaliensis* Majumdar

*Distribution* : South 24 Pgs. (Sandeshkhali).

173. *Hippasa greenalliae* (Blackwall)

*Distribution* : North 24 Pgs. (Barti-bill).

174. *Hippasa holmerae* Thorell

*Distribution* : Darjiling and Kolkata.

175. *Hippasa madhuae* Tikader & Malhotra

*Distribution* : Hugli (Kamarpukur).

176. *Hippasa partita* (Cambridge)

*Distribution* : Jalpaiguri (BTR) and North 24 Pgs. (Petrapole).

177. *Hippasa agelenoides* (Blackwall)

*Distribution* : Darjiling (Kalimpong, Mirik).

178. *Hippasa himalayensis* Gravely

*Distribution* : Darjiling (Kalimpong).

179. *Hippasa olivacea* (Thorell)

*Distribution* : North 24 Pgs. and South 24 Pgs. (Sunderban).

180. ***Lycosa arambagensis*** Biswas & Biswas  
*Distribution* : Hugli (Chandur forest, Arambagh).

181. ***Lycosa bistrata*** Gravely  
*Distribution* : Birbhum, Kolkata, Darjiling.

182. ***Lycosa carmichaeli*** Gravely  
*Distribution* : Darjiling.

183. ***Lycosa chaperi*** Simon  
*Distribution* : Darjiling.

184. ***Lycosa choudhuryi*** Tikader & Malhotra  
*Distribution* : South 24 Pgs. (Sibganga).

185. ***Hogna himalayensis*** Gravely  
*Distribution* : Bankura, Darjiling and North 24 Pgs.

186. ***Lycosa kempfi*** Gravely  
*Distribution* : Kolkata, Darjiling.

187. ***Lycosa mackenziei*** Gravely  
*Distribution* : Jalpaiguri (BTR) and Kolkata.

188. ***Lycosa mahabaleshwariensis*** Tikader & Malhotra  
*Distribution* : North 24 Pgs. (Sandeshkhali).

189. ***Lycosa madani*** Pocock  
*Distribution* : Jalpaiguri (BTR).

190. ***Lycosa masteri*** Pocock  
*Distribution* : North 24 Pgs. (Hingalgunj) and South 24 Pgs. (Gosaba).

191. ***Lycosa nigrotibialis*** Simon  
*Distribution* : Kolkata, Birbhum and Darjiling (Kalimpong, Mirik).

192. ***Lycosa poonaensis*** Tikader  
*Distribution* : North 24 Pgs. (Hingalgunj).

193. ***Lycosa pictula*** pocock  
*Distribution* : South 24 Pgs. (Gosaba).

194. ***Lycosa shillogensis*** Tikader & Malhotra  
*Distribution* : Kolkata.

195. ***Lycosa tista*** Tikader  
*Distribution* : North 24 Pgs. (Sandeshkhali).

196. ***Ocyale neataanta*** Alderweireldt  
*Distribution* : North 24 Pgs. (Sandeshkhali) and South 24 Pgs. (Gosaba).

197. ***Pardosa alii*** Tikader  
*Distribution* : South 24 Pgs. (Gosaba).

198. ***Pardosa amkhasensis*** Tikader & Malhotra  
*Distribution* : South 24 Pgs. (Sunderban).

199. ***Pardosa atropalpis*** Gravely  
*Distribution* : Barddhaman and Hugli (Arambagh).

200. ***Pardosa birmanica*** Simon  
*Distribution* : Barddhaman, Hugli (Kamarpukur), Birbhum, Purulia (Hura, Manbazar), Darjiling, Murshidabad, Kolkata (Ranijheel, Bantala) and Maldah (Habibpur).

201. ***Pardosa burasantiensis*** Tikader & Malhotra  
*Distribution* : Kolkata and Hugli.

202. ***Pardosa chambensis*** Tikader & Malhotra  
*Distribution* : North 24 Pgs.

203. ***Pardosa debolinae*** Majumder  
*Distribution* : North 24 Pgs. and South 24 Pgs. (Gosaba).

204. ***Pardosa heterophthalmus*** (Simon)  
*Distribution* : Purulia(Nardwara) and Jalpaiguri (BTR).

205. ***Pardosa leucopalpis*** Gravely  
*Distribution* : Kolkata.

206. ***Pardosa minhta*** Tikader & Malhotra  
*Distribution* : South 24 Pgs.

207. ***Pardosa mukundi*** Tikader & Malhotra  
*Distribution* : Birbhum.

208. ***Pardosa mysorensis*** Tikader & Malhotra  
*Distribution* : South 24 Pgs. (Sunderban).

209. *Pardosa oakleyi* Gravely  
*Distribution* : Jalpaiguri (BTR) and Bardhaman (Chittaranjan, Barakar).
210. *Pardosa shyamae* (Tikader)  
*Distribution* : Darjiling.
211. *Pardosa sumatrana* (Thorell)  
*Distribution* : Darjiling, Bardhaman (Durgapur), Jalpaiguri (BTR), Birbhum, Hugli (Tarakeshwar, Kamarpukur), Kolkata (Ranijheel, Bantala) and North 24 Pgs. (Parmadan deer park, Petrapole).
212. *Pardosa sutherlandi* (Gravely)  
*Distribution* : Darjiling.
213. *Pardosa songosa*  
 Tikader & Malhotra  
*Distribution* : Jalpaiguri (BTR).
214. *Pardosa duplicata*  
 Saha, Biswas & Raychoudhuri  
*Distribution* : Jalpaiguri (BTR).
215. *Pardosa kupupa* (Tikader)  
*Distribution* : Jalpaiguri (BTR).
216. *Pardosa pusiola* (Thorell)  
*Distribution* : Jalpaiguri (BTR).
217. *P. pseudoannulata* (Bosen berg)  
*Distribution* : North 24 Pgs., South 24 Pgs., Darjiling Jalpaiguri, Birbhum and Hugli.
218. *P. rhenockensis* (Tikader)  
*Distribution* : North 24 Pgs. (Sandeshkhali) and South 24 Pgs.
219. *P. suchismital* Majumder  
*Distribution* : North 24 Pgs. (Hingalgunj).
220. *Margonia himalayensis* Gravely  
*Distribution* : Darjiling.
221. *Trochosa puncticeps* (Gravely)  
*Distribution* : Jalpaiguri (BTR).
222. *Zoica puellula* Simon  
*Distribution* : South 24 Pgs.  
 Family PISAURIDAE
223. *Pisaura gitae* Tikader  
*Distribution* : Jalpaiguri (BTR) and North 24 Pgs. (Barti-bill).

- Family ARANEIDAE  
 Sub family ARANEINAE
224. *Gibbaranea bituberculata*  
 (Walckenaer)  
*Distribution* : Kolkata.
225. *Parawixia dehaanii* (Doleschall)  
*Distribution* : North 24 Pgs. and Kolkata.
226. *Eriovixia excelsa* (Simson)  
*Distribution* : North 24 Pgs. and Darjiling.
227. *Eriovixia laglaizli* (Simon)  
*Distribution* : Nadia (Ranaghat, Kalyani).
228. *Eriovixia poonaeusis*  
 Tikader & Ball  
*Distribution* : North 24 Pgs. (Barasat, Parmadem deer park).
229. *Eriophora himalayensis* Tikader  
*Distribution* : Darjiling.
230. *Araneus anantnagensis*  
 Tikader & Ball  
*Distribution* : South 24 Pgs. (Pathar pratima).
231. *A. ellipticus* Tikader & Ball  
*Distribution* : South 24 Pgs. (Pathar pratima).
232. *Araneus mitifica* (Simon)  
*Distribution* : Dinajpur (Raigunge), Nadia (Santipur, Kalyani, Plassey), Jalpaiguri (Subhasini Tea Estate, Nilpara, BTR), Darjiling (Neora Valley).
233. *Araneus nympho* Simon  
*Distribution* : South 24 Pgs. (Namkhana, Gosaba) and Darjiling.
234. *Argiope aemula* (Walckenaer)  
*Distribution* : Darjiling.
235. *Argiope anasuja* Thorell  
*Distribution* : Kolkata and Koch Bihar (Gossainimari forest).
236. *Argiope lobata* (Pallas)  
*Distribution* : Nadia (Santipur).

237. *Argiope catenulata* (Doleschall)

*Distribution* : Hugli (Kamarpukur), Koch Bihar (Chilapata forest), South 24 Pgs. (Kachuberia, Patharpratim, Gosaba, Basanti), Nadia (Ranaghat) and North 24 Pgs. (Baikunthapur, Nilgunj, Barasat).

238. *Argiope caesarea* Thorell

*Distribution* : Darjiling.

239. *Argiope minuta* Karsch

*Distribution* : Darjiling (Kalimpong, Kurseong, Mirik) South 24 Pgs. (Kakdwip, Sagar Island, Patharpratima) North 24 Pgs. (Hingalgunj) and Jalpaiguri.

240. *Argiope pulchella* Thorell

*Distribution* : Maldah (Gajal, Gour, Habibpur), Jalpaiguri (BTR), Murshidabad (Kandi, Lalbagh), Nadia (Santipur), Bankura (Joypur), Darjiling, Medinipur (Kolaghat, Jhargram).

241. *Argiope shillongensis* Sinha

*Distribution* : Jalpaiguri (BTR) and North 24 Pgs.

242. *Chorizopes bengalensis* Tikader

*Distribution* : Darjiling.

243. *Cyclosa bifida* (Doleschall)

*Distribution* : Jalpaiguri (Subhasini Tea Estate, Jaldapara Sanctuary, BTR).

244. *Cyclosa confraga* (Thorell)

*Distribution* : Nadia (Ranaghat), Darjiling.

245. *Cyclosa hexatuberculata* Tikader

*Distribution* : Murshidabad (Kandi), Jalpaiguri, Maldah (Mahadebpur), Koch Bihar (Chilapata forest).

246. *Cyclosa insulana* (Costa)

*Distribution* : Darjiling.

247. *Cyclosa simoni* Tikader

*Distribution* : Jalpaiguri (Subhasini Tea Estate, Jaintia forest), Darjiling (Neora Valley).

248. *Cyclosa quinqueguttata* (Thorell)

*Distribution* : Jalpaiguri (BTR).

249. *Cyclosa spirifera* Simon

*Distribution* : Jalpaiguri (Subhasini Tea Estate, BTR).

250. *Cyrtarachne bengalensis* Tikader

*Distribution* : Haora.

251. *Cyrtarachne graveleyi* Tikader

*Distribution* : Darjiling.

252. *Cyrtarachne inequalis* Thorell

*Distribution* : Haora.

253. *Cyrtarachne cingulata* (Thorell)

*Distribution* : Jalpaiguri (BTR).

254. *Cyrtarachne raniceps* Pocock

*Distribution* : Haora and Jalpaiguri.

255. *Cyrtophora bidenta* Tikader

*Distribution* : Jalpaiguri.

256. *Cyrtophora cicatrosa* (Stoliczka)

*Distribution* : Barddhaman (Chittaranjan, Durgapur, Asansol), Medinipur (Kolaghat, Kharagpur, Panskura, Chandrakona road), Nadia (Plassey, Krishnanagar), North 24 Pgs. (Parmadan deer park, Nilgange), Koch Bihar (Gosainimari forest, Jaygaon), Hugli (Kamarpukur, Tarkeswar), Maldah (Gajal, Pias Bari, Habibpur, Adeena deer park), South 24 Pgs. (Kachuberia, Namkhana, Kakdwip, Patharpratim, Gosaba, Basanti,), Kolkata, Jalpaiguri (Subhasini Tea Estate, Jaintia forest), Dinajpur and Murshidabad (Baharampur, Domkol, Sagardighi).

257. *Cyrtophora citricola* (Forsk.)

*Distribution* : Kolkata, Barddhaman (Durgapur, Asansol) and Darjiling.

258. *Cyrtophora feai* (Thorell)

*Distribution* : Haora.

259. *Cyrtophora moluccensis* (Doleschall)

*Distribution* : Darjiling, Jalpaiguri (BTR) and Koch Bihar (Chilapata forest).

260. *Gea subermata* Thorell

*Distribution* : Barddhaman (Chittaranjan) and Jalpaiguri (Jaldapara sanctuary, BTR).

## Family NEPHILIDAE

261. *Herennia multipunctata* (Doleschall)

*Distribution* : Jalpaiguri (BTR).

262. *Larinia chloris* (Audouin)

*Distribution* : Maldah (Adina deer park) and Nadia (Krishnanagar).

263. *Larinia jaysankari* Biswas

*Distribution* : Kolkata and Birbhum.

264. *Larinia phithisica* (L. Koch)

*Distribution* : Barddhaman (Barakar), North 24 Pgs. (Parmadan deer park, Barasat), Nadia (Kalyani, Krishnanagar) and Jalpaiguri.

265. *Parawixia dehaanii* (Doleschall)

*Distribution* : Jalpaiguri (Jaintia forest, Subhasini Tea Estate), Kolkata and North 24 Pgs. (Barasat).

266. *Singa chota* Tikader

*Distribution* : North 24 Pgs.

267. *Zygeilla indica* Tikader & Bal

*Distribution* : South 24 Pgs. (Patharpratim), Hugli (Kamarpukur), Barddhaman (Barakar) and Jalpaiguri (BTR).

268. *Neoscona bengalensis*

Tikader & Bal

*Distribution* : Kolkata, Nadia (Santipur, Ranaghat) and Jalpaiguri (BTR).

269. *Neoscona mukherjei* Tikader

*Distribution* : Barddhaman (Chittaranjan, Durgapur), Nadia (Krisnanagar, Santipur, Ranaghat, Kalyani, Plassey), Koch Bihar (Gossainimari forest), South 24 Pgs. (Sagar Island, Bakkhali, Namkhana, Kakdwip), North 24 Pgs. (Basirhat, Parmadan deer park, Petrapole), Jalpaiguri (Subhasini Tea Estate, Rajabhtkhawa, Jaintia forest) and Medinipur (Ghatal).

270. *Neoscona nautica* (C. L. Koch)

*Distribution* : Darjiling.

271. *Neoscona pavida* Simon

*Distribution* : Jalpaiguri (BTR) and Darjiling.

272. *Neoscona punctigera* Simon

*Distribution* : Jalpaiguri (BTR) and Darjiling.

273. *Neoscona punctigera* (Doleschall)

*Distribution* : South 24 Pgs. (Sundarban, Hasnabad, Sandeshkhali).

274. *N. molemensis* Tikader & Ball

*Distribution* : South 24 Pgs. (Gosaba).

275. *N. shillongensis* Tikader & Bal

*Distribution* : North 24 Pgs. and South 24 Pgs.

276. *N. vigilanas* Blackwall

*Distribution* : North 24 Pgs. and South 24 Pgs.

277. *Neoscona rumpfi* (Thorell)

*Distribution* : Jalpaiguri (BTR) and Maldah (Bamangola, Adina deer park).

278. *Neoscona raydakensis* Saha et al.

*Distribution* : Jalpaiguri (BTR).

279. *Neoscona theisi* (Walckenaer)

*Distribution* : Hugli (Tarakeswar), South 24 Pgs. (Gangasagar, Namkhana, Kakdwip), North 24 Pgs. (Gopalpur, Basirhat, Parmadan deer park, Baikunthapur), Bankura (Kamarpukur, Joyrambati), Maldah (Mahadebpur, Habibpur), Barddhaman (Barakar), Jalpaiguri (BTR) and Nadia (Santipur, Pallasey, Krishnanagar).

280. *Neogea nocticolor* (Thorell)

*Distribution* : Kolkata.

281. *Neoscona* sp.

*Distribution* : Darjiling.

282. *Thelacantha brevispina* (Doleschall)

*Distribution* : Jalpaiguri (Rajabhatkhawa).

283. *Gasteracantha diadesma* Thorell

*Distribution* : Jalpaiguri (BTR) and Darjiling.

284. *Gasteracantha hasselti* CLKoch

*Distribution* : Darjiling and Jalpaiguri (BTR).

285. *Gasteracantha cancriformis*

(Linnaeus)

*Distribution* : Kolkata, Darjiling and Jalpaiguri (BTR).

286. *Gasteracantha kuhli* C. L. Koch

*Distribution* : Jalpaiguri (Jaintia forest, Subhasini Tea Estate) and North 24 Pgs. (Parmadan deer park).

287. *Gasteracantha unguifera* Simon

*Distribution* : Koch Bihar (Chilapata forest) and Jalpaiguri (Rajabhatkhawa).

288. *Poltya naggpurensis* Tikader

*Distribution* : South 24 Pgs. (Patharpratima, Gosaba, Kulpi, Mandirbazar) and North 24 Pgs. (Haroa, Sandeshkhali, Hingalgunj).

289. *Zygiella indica* Tikader & Bal

*Distribution* : South 24 Pgs. (Patharpratima), Hugli (Kamarpukur), Bardhaman (Barakar) and Jalpaiguri (BTR).

## Family TETRAGNATHIDAE

290. *Leucauge bengalensis* Gravely

*Distribution* : Hugli, North 24 Pgs., Kolkata and Jalpaiguri.

291. *Leucauge celebesiana* (Wackenaer)

*Distribution* : Jalpaiguri (BTR), Darjiling and Kolkata.

292. *Leucauge decorata* (Blackwall)

*Distribution* : Medinipur (Kolaghat), Puruliya, Nadia (Kalyani, Krishnanagar, Ranaghat), Maldah (Mahadebpur), North 24 Pgs. (Barasat), Jalpaiguri (Subhasini Tea Estate, BTR), Koch Bihar (Chilapata forest), Dinajpur (Raigange), Hugli (Tarakeshwar), Murshidabad (Domkal) and Darjiling.

293. *Leucauge tessellata* (Thorell)

*Distribution* : Darjiling, Jalpaiguri (BTR).

294. *Leucauge dorsotuberculata*  
Tikader

*Distribution* : Jalpaiguri (BTR).

295. *Leucauge pondae* Tikader

*Distribution* : Jalpaiguri (BTR).

296. *Opadometa fastigata* Tikader

*Distribution* : Jalpaiguri (BTR).

297. *Leucauge culta* (O P Cambridge)

*Distribution* : Jalpaiguri (BTR) and Darjiling.

298. *Tylorida ventralis* (Thorell)

*Distribution* : Kolkata.

299. *Guizygiella melanocrania* (Thorell)

*Distribution* : Bardhaman, Nadia, Darjiling and South 24 Pgs.

300. *Tetragnatha andamaneusis* Tikader

*Distribution* : Koch Bihar, Dinajpur, Puruliya, Maldah, Murshidabad, South 24 Pgs., Bankura, Medinipur, Jalpaiguri, North 24 Pgs., Birbhum and Bardhaman.

301. *T. javana* (Thorell)

*Distribution* : Kolkata, Birbhum, Darjiling.

302. *T. mandibulata* Walckenaer

*Distribution* : Darjiling, Dinajpur, Kolkata.

303. *T. maxillosa* (Thorell)

*Distribution* : Darjiling.

304. *T. Sutharlandi* Gravely

*Distribution* : Darjiling.

305. *Herennia multipunctata* (Doleschall)

*Distribution* : Jalpaiguri (BTR).

## Family NEPHILIDAE

306. *Nephila clavata* LKoch

*Distribution* : Darjiling.

307. *Nephila kuhlii* Doleschall

*Distribution* : Darjiling and North 24 Pgs.

308. *Nephila pilipes* (Fabricius)

*Distribution* : Jalpaiguri (BTR) and North 24 Pgs.

309. *Nephila robusta* Tikader

*Distribution* : Jalpaiguri (BTR).

## Family CTENIDAE

310. *Ctenus himalayensis* Gravely

*Distribution* : Darjiling.

311. *C. sikkimensis* Gravely

*Distribution* : Darjiling.

312. *Ctenus* sp.

*Distribution* : Jalpaiguri (BTR).

Family LINYPHIDAE

313. *Linyphia nicobarensis* Tikader

Distribution : Jalpaiguri (BTR).

Family ARANEIDAE

314. *Araneus bali* Sen, Saha and  
Raychaudhuri

Distribution : Darjiling.

315. *A. bituberculatus* (Walckenaer)

Distribution : Darjiling (Senchal WLS, Neora  
Valley NP).

316. *A. himalayaensis* Tikader

Distribution : Darjiling (Senchal WLS, Neora  
Valley NP).

317. *Zygeilla* sp.

Distribution : Darjiling (Senchal WLS, Neora  
Valley NP).

318. *Araneus mitificus* (Simon)

Distribution : Jalpaiguri (Mahananda WLS).

319. *Cycloson mulmeinensis* (Thorell)

Distribution : Jalpaiguri (BTR).

320. *Cyrtophora exangthematica*  
(Doleschall)

Distribution : Jalpaiguri (BTR).

321. *Eriovixia excelsa* (Simon)

Distribution : Jalpaiguri (BTR).

322. *E. laglaizei* (Simon)

Distribution : Jalpaiguri (BTR).

323. *Neoscona bengalensis* Tikader and  
Bal

Distribution : Jalpaiguri (Mahananda WLS,  
BTR).

324. *N. chrysanthusi* Tikader and Bal

Distribution : Jalpaiguri (BTR).

325. *N. elliptica* Tikader and Bal

Distribution : Jalpaiguri (BTR).

326. *N. mukherjei* Tikader

Distribution : Jalpaiguri (Mahananda WLS)  
and Darjiling (JWLS, BTR).

327. *N. nautica* (L. Koch)

Distribution : Jalpaiguri (BTR).

328. *N. pavidata* (Simon)

Distribution : Jalpaiguri, (BTR).

329. *N. rumpfi* (Thorell)

Distribution : Jalpaiguri (BTR).

330. *N. shillongensis* Tikader and Bal

Distribution : Jalpaiguri (BTR).

331. *N. sinhagadensis* (Tikader)

Distribution : Jalpaiguri (BTR).

332. *N. theisi* (Walckenaer)

Distribution : Jalpaiguri (BTR).

333. *Arachnura angora* Tikader

Distribution : Jalpaiguri (BTR).

334. *C. neilensis* Tikader

Distribution : Jalpaiguri (BTR).

335. *Cyrtarachne schmidi* (Tikader)

Distribution : Jalpaiguri (BTR).

336. *Gea agon* Saha

Distribution : Jalpaiguri (BTR).

337. *Ordgarius hexaspinus*

Distribution : Jalpaiguri (BTR).

338. *Pasilobus kotigeharus* Tikader

Distribution : Jalpaiguri (BTR).

339. *Leucauge celebesiana* (Walckenaer)

Distribution : Jalpaiguri (BTR).

340. *L. decorata* (Blackwell)

Distribution : Jalpaiguri (BTR).

341. *L. pondae* Tikader

Distribution : Jalpaiguri (BTR).

342. *L. tessellata*

Distribution : Jalpaiguri (BTR).

343. *Leucauge spinata*

Distribution : Jalpaiguri (BTR).

344. *Parawixia swatii*

Distribution : Jalpaiguri (BTR).

345. *Poltys bhabanii* (Tikader)

Distribution : Jalpaiguri (BTR).

346. *Cyclosa fissicauda* Simon

Distribution : Jalpaiguri (BTR).

347. ***Herennia omatissima*** (Doleschall)  
Distribution : Jalpaiguri (BTR).
348. ***Gea corbetti*** Tikader  
Distribution : Jalpaiguri (BTR).
349. ***Nephila maculata*** (Fabricius)  
Distribution : Jalpaiguri (BTR).  
Family LINYPHIIDAE
350. ***Linyphia urbanasae*** Tikader  
Distribution : Darjiling.
351. ***Lepthyphantes lingoska*** Tikader  
Distribution : Darjiling.
352. ***L. rudrai*** Tikader  
Family OXYOPIDAE
353. ***Oxyopes linearis*** Sen, Saha and Raychaudhuri  
Distribution : Darjiling.
354. ***O. longispinus***  
Distribution : Jalpaiguri (BTR).
355. ***O. rajai***  
Distribution : Jalpaiguri (BTR).
356. ***Peucezia betlaensis*** sp. Nov. Saha & Roychaudhuri  
Distribution : Jalpaiguri (BTR).
357. ***Oxyopes elongatus***  
Distribution : Jalpaiguri (BTR).
358. ***O. minutus***  
Distribution : Jalpaiguri (BTR).  
Family PHILODROMIDAE
359. ***Philodromus assamensis*** Sen, Saha and Raychaudhuri  
Distribution : Darjiling.  
Family SALTICIDAE
360. ***Phidippus patel*** Tikader  
Distribution : Darjiling.
361. ***Brettus albolimbatus*** Simon  
Distribution : Jalpaiguri (BTR).
362. ***Epeus edwardsi*** Barrion & Litsinger  
Distribution : Jalpaiguri (BTR).
363. ***Myrmarachne caliraya*** Barrion & Litsinger  
Distribution : Jalpaiguri (BTR).
364. ***Myrmarachne opaca*** (Karsch)  
Distribution : Jalpaiguri (BTR).
365. ***Myrmarachne orientales*** Tikader  
Distribution : Jalpaiguri (BTR).
366. ***Myrmarachne providens*** ( Peckham & Peckham)  
Distribution : Jalpaiguri (BTR).
367. ***Plexippus andamanensis*** (Tikader)  
Distribution : Jalpaiguri (BTR).
368. ***Rhene albiger*** Koch  
Distribution : Jalpaiguri (BTR).
369. ***R. flavicomans*** Simon  
Distribution : Jalpaiguri (BTR).
370. ***R. Formosa*** Rollard & Wesolowska  
Distribution : Jalpaiguri (BTR).
371. ***R. rubrigeria*** (Thorell)  
Distribution : Jalpaiguri (BTR).
372. ***Siler semiglaucus*** Simon  
Distribution : Jalpaiguri (BTR).
373. ***Thiani bhamoensis***  
Distribution : Jalpaiguri (BTR).
374. ***Marpissa bengalensis***  
Distribution : Jalpaiguri (BTR).  
Family SPARASSIDAE
375. ***Heteropoda denticulate*** Saha and Raychaudhuri  
Distribution : Jalpaiguri (BTR).
376. ***H. bhattacharjeei*** Saha and Raychaudhuri  
Distribution : Jalpaiguri (BTR).
377. ***Olios jaldaparensis*** Saha and Raychaudhuri  
Distribution : Jalpaiguri (BTR).  
Family TETRAGNATHIDAE
378. ***Tetragnatha ceylonica*** Cambridge  
Distribution : Jalpaiguri (BTR).



379. *T. hasselti* Thorell  
*Distribution* : Jalpaiguri (BTR) and Darjiling.
380. *T. javana* (Thorell)  
*Distribution* : Jalpaiguri (BTR).
381. *T. vermiformis* Emerton  
*Distribution* : Jalpaiguri (BTR).  
 Family THERIDIIDAE
382. *Theeridula swatieae*  
*Distribution* : Jalpaiguri (BTR).
383. *Theridion* n. sp.  
*Distribution* : Jalpaiguri (BTR).  
 Family THOMISIDAE
384. *Boliscus tuberculatus* (Simon)  
*Distribution* : Jalpaiguri (BTR).
385. *Camaricus khandalaensis* Tikader  
 & Malhotra  
*Distribution* : Jalpaiguri (BTR).
386. *C. (Indocamaricus) siltorsus* Saha  
 & Roychaudhuri  
*Distribution* : Jalpaiguri (BTR).
387. *Mastria nicobarensis* (Tikader)  
*Distribution* : Jalpaiguri (BTR).
388. *Massuria sreepanchamil* (Tikader)  
*Distribution* : Jalpaiguri (BTR).
389. *Oxytate greenae* (Tikader)  
*Distribution* : Jalpaiguri (BTR).
390. *Ozyptila khasi* (Tikader)  
*Distribution* : Jalpaiguri (BTR).
391. *Pistius gangulyi* Babu  
*Distribution* : Jalpaiguri (BTR).
392. *P. globosus* Sen, Saha & Raychaudhuri  
*Distribution* : Jalpaiguri (BTR).
393. *P. kalimpus* Tikader  
*Distribution* : Jalpaiguri (BTR).
394. *P. roonwali* Basu  
*Distribution* : Jalpaiguri (BTR).
395. *P. um* Sen, Saha & Raychaudhuri  
*Distribution* : Jalpaiguri (BTR).
396. *Strigoplus bilobus* Saha &  
 Roychaudhuri  
*Distribution* : Jalpaiguri (BTR).
397. *Thomisus andamanensis* Tikader  
*Distribution* : Jalpaiguri (BTR).
398. *Xysticus roonwali* Tikader  
*Distribution* : Jalpaiguri (BTR).
399. *Thomisus nirmali* sp. Nov.  
*Distribution* : Kolkata.
400. *Thomisus* sp.  
*Distribution* : Jalpaiguri (BTR).
401. *Camaricus* sp.  
*Distribution* : Jalpaiguri (BTR).
402. *Pistius banchensis* Basu  
*Distribution* : Jalpaiguri (BTR).
403. *Pistius sreepanchamii* Tikader  
*Distribution* : Jalpaiguri (BTR).
404. *Xysticus bengdakus* sp. nov.  
*Distribution* : Jalpaiguri (BTR).
405. *Phrynarachne tuberosa* (Blackwell)  
*Distribution* : Jalpaiguri (BTR).
406. *P. peeliana* (Stoliczka)  
*Distribution* : Jalpaiguri (BTR).
407. *Indosmodicinus bengalensis* Sen,  
 Saha and Raychaudhuri  
*Distribution* : Jalpaiguri (BTR).  
 Family PISAURIDAE
408. *Thalassius pseudoalbocinctus* sp.  
 nov.  
*Distribution* : Jalpaiguri (BTR).
409. *Polyboea zonaformis* (Wang)  
*Distribution* : Jalpaiguri (BTR).

**ARACHNIDA : SCORPIONES**

Phylum ARTHROPODA

Class ARACHNIDA

Order SCORPIONIDA

Family BUTHIDAE

1. ***Mesobuthus tamulus gangeticus***  
(Pocock)

*Distribution* : Medinipur (Kharagpur), Kolkata (Indian Musuem Building), Barddhaman (Kollayaneshwar, north west of Barakar) and South 24 Pgs. (Frazergaunge, Sherpur).

2. ***Lychas (Endotrichus) laevifrons***  
Pocock

*Distribution* : Kolkata.

3. ***Stenochirus sarasinorum*** Karsch

*Distribution* : Haora (Botanical Garden) and Kolkata (Zoological Garden).

4. ***Isometrus (Raddyanus) europaeus***  
(Linnaeus)

*Distribution* : Kolkata.

5. ***Isometrus (Raddyanus) thurstoni***  
Pocock

*Distribution* : Kolkata (Ballygunge).

6. ***Isometrus (Raddyanus) corbeti***  
Tikader & Bastwade

*Distribution* : Medinipur and Puruliya.

Family CHAERILIDAE

7. ***Chaerilus insignis*** Pocock

*Distribution* : Darjiling (Kurseong).

8. ***Chaerilus gemmifer*** Pocock

*Distribution* : Kolkata.

Family VAEJOVIDAE

9. ***Scorpiops (Scorpiops) leptochirus***  
Pocock

*Distribution* : Darjiling (Singla).

Family ISCHNURIDAE

10. ***Hormurus nigripes*** Pocock

*Distribution* : Medinipur (Circuit house compound).

Family SCORPIONIDAE

11. ***Heterometrus (Gigantometrus) swammerdami*** Simon

*Distribution* : North 24 Pgs. (Gangnapore).

12. ***Heterometrus (Heterometrus) bengalensis*** (Koch)

*Distribution* : Barddhaman (Sankari village) and Kolkata (Zoological Garden).

13. ***Heterometrus (Chersonesometrus) fulvipes*** (Koch)

*Distribution* : North 24 Pgs. (Gangnapore).

14. ***Heterometrus (Chersonesometrus) fastigosus*** Couzijn

*Distribution* : Kolkata (Mirjapore).

## ACARI : TICKS (METASTIGMATA)

Phylum ARTHROPODA  
Class ARACHNIDA  
Order METASTIGMATA  
Family IXODIDAE

### 1. *Amblyomma helvolum* Koch

*Hosts* : *Varanus* sp., *Naja naja*, *Geomyda grandis*.

*Distribution* : Kolkata (Zoological Garden).

### 2. *Amblyomma javanense* (Supino)

*Hosts* : *Manis pentadactyla*, *Nicoria tricarinata*.

*Distribution* : Kolkata (Zoological Garden) and Jalpaiguri (Baradighi Tea Estate).

### 3. *Amblyomma supinoi* Neumann

*Hosts* : *Testudo elongata*.

*Distribution* : Jalpaiguri (Baradighi).

### 4. *Amblyomma testudinarium* Koch

*Hosts* : Buffalo, tiger.

*Distribution* : Darjiling, Jalpaiguri and North 24 Pgs.

### 5. *Aponomma gervaisi* (Lucas)

*Hosts* : *Naja tripudians*, *Varanus bengalensis*.

*Distribution* : Kolkata (Zoological Garden).

### 6. *Aponomma lucasi* Warburton

*Hosts* : *Varanus salvator*, *Varanus nebulosus*, *Naja tripudians*, *Python molurus*, *Python reticulatus*, *Zamensis mucosus*, *Bos frontalis*, *Ovis nahura*.

*Distribution* : Barddhaman (Ranigunj) and Kolkata (Zoological Garden).

### 7. *Boophilus microplus* (Canestrini)

*Hosts* : Cattle, buffalo, cow, calf.

*Distribution* : Birbhum (Babubera, Dubrajpur, Bhattacharjee para, Nanur), Koch Bihar (Boroboalmari, Dinhata, Gosainmari sal forest, Paschim Khalisa), Haora (Bagnan, Uluberia), Barddhaman (Atapur, Raina), Hugli,

North 24 Pgs. (Gobardanga, Naihati), South 24 Pgs., Jalpaiguri (Hamiltongunj, Rajabhatkhawa, Alipurduar, Joyanti, Buxa Road, Jaigaon), Maldah, Darjiling (Bongbasti, Kalimpong, Sukna forest), Murshidabad (Lalgola), Nadia (Santipur), W. Dinajpur (Hemtabad, Raigunj), Puruliya (Bansgarh, Balarampur, Chutkidihi, Pedda, Manbazar), Medinipur (Jhargram, Arjundahar, Chilkigarh), Kolkata and Bankura (Hapania, Susunia).

### 8. *Dermacentor auratus* Supino

*Hosts* : Deer, Man.

*Distribution* : North 24 Pgs., Jalpaiguri, Kolkata and Darjiling.

### 9. *Haemaphysalis aborensis* Warburton

*Hosts* : Vegetation, Barking deer, *Parus monticulus*, *Gallus g. murghi*, *Sus scrofa cristatus*.

*Distribution* : Darjiling and Jalpaiguri.

### 10. *Haemaphysalis aponommoides* Warbton

*Hosts* : Vegetation, cattle, man.

*Distribution* : Kolkata and Darjiling (Pankhbari Ridge, Neora valley, Ghoombhanjang).

### 11. *Haemaphysalis birmaniae* Supino

*Hosts* : *Muntiacus muntzak vaginalis*, *Capricornis sumatraensis thar*, *Antelope cervicapra*.

*Distribution* : Darjiling.

### 12. *Haemaphysalis bispinosa* Neumann

*Hosts* : Cattle, dog, tiger, vegetation.

*Distribution* : Koch Bihar (Jambari, Gosainmari sal forest, Dinhata, Mathabhanga, Tufangunj) Darjiling (Naya Kaman, Ghoom bastee, Kurseong, Mirik), Haora (Jagatpur, Purbapara, Uluberia, Udaynarayanpur), North 24 Pgs. (Gobardanga), Birbhum (Tarapith, Rampurhat), Nadia (Krishnanagar, Santipur), Maldah (Ramkeli, Gaur, Adina forest), South

24 Pgs. (Baruipur, Basanti), Medinipur (Chaulkhola, Ragpur, Medinipur town), W. Dinajpur (Manipara, Raigunj, Subhashgunj, Hemtabad, Balurghat), Murshidabad (Deswalipara, Lalgola, Kandi) and Jalpaiguri (Rajabhatkhawa, Alipuduar, Jayanti, Jalpeswar).

13. ***Haemaphysalis cornigera shimoga***  
Trapido and Hoogstraal

*Hosts* : Sambar.

*Distribution* : Jalpaiguri (Jaldapara forest).

14. ***Haemaphysalis darjeeling***  
Hoogstraal and Dhanda

*Hosts* : *Capricornis sumantraensis*, *Sus scrofa cristatus*, *Muntiacus muntzac vaginalis*.

*Distribution* : Darjiling.

15. ***Haemaphysalis himalaya*** Hoogstraal

*Hosts* : Barking deer.

*Distribution* : Darjiling.

16. ***Haemaphysalis hystricis*** Supino

*Hosts* : Vegetation.

*Distribution* : Jalpaiguri and Darjiling.

17. ***Haemaphysalis indica*** Warbton

*Hosts* : Jackle, Bengal fox, domestic dog.

*Distribution* : Hugli and Kolkata.

18. ***Haemaphysalis montgomeryi*** Nuttall

*Hosts* : Goat.

*Distribution* : Darjiling (Mirik).

19. ***Haemaphysalis obesa*** Larousse

*Hosts* : Cattle and vegetation.

*Distribution* : Jalpaiguri.

20. ***Haemaphysalis ramachandrai***

Dhanda, Hoogstraal and Bhat

*Hosts* : Cattle and vegetation.

*Distribution* : Jalpaiguri and Darjiling.

21. ***Haemaphysalis spinigera*** Neumann

*Hosts* : Cattle and vegetation.

*Distribution* : Jalpaiguri and Darjiling.

22. ***Hyalomma anatolicum anatolicum***  
Koch

*Hosts* : Cattle.

*Distribution* : Murshidabad (Lalgola, Raghunathgunj), Haora (Amraberia, Uluberia, Mourigram), Hugli (Champadanga), W. Dinajpur (Hemtabad, Raigunj, Islampur, Dalkhola), Maldah (Maldah town, English bazaar), Darjiling (Sonada, Tungsung Bustee, Kurseong, Pulbazar), Puruliya (Muchikund, Raghunathpur, Madhupur), Jalpaiguri (Alipurduar), Koch Bihar (Dinhata, Mathabhanga), Bankura (Ghchua, Balitha, Jairambati, Khiri, Raibaghini), Barddhaman (Asansol, slaughter house, Atapur, Raina), South 24 Pgs. (Canning), Birbhum (Bhattacharjee para, Nanur, Manasapalli, Sainthia, Rampurhat) and North 24 Pgs. (Gobardanga).

23. ***Hyalomma marginatum isaaci***  
Sharif

*Hosts* : Cattle, Goat.

*Distribution* : Bankura (Susunia, Goilagarh), Puruliya (Bagmundi) and Medinipur (Ghagra, Sirsi village).

24. ***Hyalomma brevipunctata*** Sharif

*Hosts* : Sambar, Chita.

*Distribution* : Medinipur.

25. ***Hyalomma hussaini*** Sharif

*Hosts* : Cattle.

*Distribution* : North 24 Pgs. (Gobardanga).

26. ***Ixodes acutitarsus*** (Karsch)

*Hosts* : Human body.

*Distribution* : Darjiling (Pankhabari bridge, Neora valley).

27. ***Ixodes granulatus*** Supino

*Hosts* : *Epimys rufescens*.

*Distribution* : Darjiling.

28. ***Ixodes ovatus*** Neumann

*Hosts* : Vegetation.

*Distribution* : Darjiling (Ghoombhanjang).

29. *Nosomma monstrosum* (Nuttal & Warburton)

*Hosts* : Sambar.

*Distribution* : Medinipur.

30. *Rhipicephalus haemaphysaloides*  
Supino

*Hosts* : Cattle, goat, *Capricornis sumatraensis*, barking deer, vegetation.

*Distribution* : Jalpaiguri, Darjiling and South  
24 Pgs.

31. *Rhipicephalus sanguineus* (Latrielle)

*Hosts* : Bullock, dog.

*Distribution* : Kolkata, Puruliya (Pedda, Manbazar) and Medinipur (Chaulkhola).

32. *Rhipicephalus turanicus*  
Pomerantzev

*Hosts* : Dog, cattle, *Bandicota bengalensis*, *Funumbulus palmarum*, *Rattus rattus*, *Mus musculus*, *Suncus murinus*.

*Distribution* : Kolkata, Puruliya (Bansgarh, Balarampur), Nadia (Kalyani) and Hugli.

## ACARI : MITE : ASTIGMATA

Phylum ARTHROPODA

Class ACARI

Order ASTIGMATA

Family ACARIDAE

1. *Acarus* sp.

*Distribution* : Maldah(Adina), Koch Bihar (Chelapather), Medinipur (Patharkumkumi), Kolkata (Budge Budge) and Darjiling (Chalsa).

2. *Acarus siro* Linn.

*Distribution* : Kolkata, Nadia, Hugli, Barddhaman.

3. *Acarus farris* Oudemans

*Distribution* : Kolkata, Hugli.

4. *Caloglyphus berlesi* Michael

*Distribution* : Kolkata, Hugli.

5. *Caloglyphus* sp.

*Distribution* : Kolkata.

6. *Rhizoglyphus* robini

*Distribution* : Kolkata, Barddhaman.

7. *Rhizoglyphus* sp.

*Distribution* : Kolkata, Haora, Hugli, Medinipur.

8. *Suidasia medanensis* Oudemans

*Distribution* : Kolkata, Hugli.

9. *Tyrophagus brevicrinatus* Robertson

*Distribution* : Haora.

10. *Tyrophagus tropicus* Robertson

*Distribution* : Kolkata.

11. *Tyrophagus putrescentiae* (Schrank)

*Distribution* : Darjiling (Darjiling Botanical Garden).

12. *Tyrophagus longior* Gervais

*Distribution* : Kolkata, Hugli.

13. *Tyrophagus* sp.

*Distribution* : Kolkata, Haora, Hugli.

14. *Tyroborus lini* Oudemans

*Distribution* : Kolkata, Hugli, Nadia.

Family CHORTOGLYPHIDAE

15. *Chortoglyphus arcuatus* (Trouessart)

*Distribution* : Kolkata, Barddhaman.

Family DERMOGLYPHIDAE

16. *Pterolichus* sp.

*Distribution* : Kolkata.

Family GLYCYPHAGIDAE

17. *Glycyphagus domesticus* (De Geer)

*Distribution* : Kolkata, Hugli, Nadia, Medinipur (Patharkumkumi).

18. *Glycyphagus* sp.

*Distribution* : Kolkata.

19. *Glycyphagus bicaudatus* Hughes

*Distribution* : Kolkata.

20. *Lepidoglyphus destructor* (Schrank)

*Distribution* : Kolkata, Hugli, Medinipur (Patharkumkumi).

21. *Gohiera fusca* (Oudemans)

*Distribution* : Kolkata, Hugli.

22. *Blomia freemani* Hughes

*Distribution* : Kolkata, Hugli.

23. *Blomia tropicalis*

*Distribution* : Kolkata, Barddhaman.

24. *Blomia* sp.

*Distribution* : Kolkata.

25. *Austroglycyphagus* sp.

*Distribution* : Kolkata.

Family PYROGLYPHIDAE

26. *Dermatophagoides farinae* Hughes

*Distribution* : Kolkata, Hugli, Haora.

27. *Dermatophagoides pteronyssinus* (Trouessart)

*Distribution* : Kolkata, Hugli, Nadia.

28. *Dermatophagoides* sp.

*Distribution* : Medinipur.

29. ***Hirstia domicola***

*Distribution* : Kolkata, Barddhaman.

30. ***Hirstia*** sp.

*Distribution* : Kolkata.

Family PROTOLICHIDAE

31. ***Protolichus*** sp.

*Distribution* : Medinipur (Patharkumkumi).

Family SARCOPTIDAE

32. ***Notoedres jamesoni*** Lavoipierre

*Distribution* : Kolkata.

Family TEINOCOPTIDAE

33. ***Teinocoptes domrowi*** Fain

*Distribution* : North 24 Pgs.

**ACARI : MITE : PROSTIGMATA**

- Phylum ARTHROPODA  
 Class ACARI  
 Order PROSTIGMATA  
 Family ANYSTIDAE
1. ***Anystis indica*** Gupta  
*Distribution* : Medinipur.
  2. ***Tencateia kanthiensis*** Gupta  
*Distribution* : Medinipur (Kanthi).
  3. ***Walzia darjilingensis*** Gupta  
*Distribution* : Darjiling (Darjiling Botanical Garden).  
 Family BDELLIDAE
  4. ***Bdella maldahhaensis*** Gupta  
*Distribution* : Maldah (Maldah Agricultural Farm).
  5. ***Bdella bakeri*** Gupta & Paul  
*Distribution* : Medinipur (Patharkumkumi).
  6. ***Bdellodes (Hoploscirus)*** sp.  
*Distribution* : South 24 Pgs. (Sajnakhali) and Hugli (Bhadreshwar).
  7. ***Cyta*** sp.  
*Distribution* : Kolkata.
  8. ***Spinibdella atyeoi*** Gupta & Paul  
*Distribution* : Medinipur (Patharkumkumi).  
 Family CRYPTOGNATHIDAE
  9. ***Cryptognathus*** sp.  
*Distribution* : Nadia (Kalyani).  
 Family CHEYLETIDAE
  10. ***Acaropsis docta*** (Berlese)  
*Distribution* : North 24 Pgs.
  11. ***Acaropsis sollers*** Rohendorf  
*Distribution* : Kolkata, Hugli.
  12. ***Bak*** sp.  
*Distribution* : Kolkata (Dhakuria).
  13. ***Cheyletus eruditus*** (Schrank).  
*Distribution* : All districts.
  14. ***Cheyletus fortis*** Oudemans  
*Distribution* : Nadia (Kalyani), Kolkata, Hugli, Koch Bihar, Barddhaman and Haora (Bargachhia).
  15. ***Cheyletus malaccensis*** Oudemans  
*Distribution* : Kolkata, Haora (Bargachhia), Hugli, Koch Bihar and Barddhaman.
  16. ***Cheyletus malayensis*** Oudemans  
*Distribution* : Kolkata, Hugli, Nadia.
  17. ***Cheyletus trouessarti*** Oudemans  
*Distribution* : North 24 Pgs. (Naihati).
  18. ***Chelacaropsis moorei*** Baker  
*Distribution* : West Medinipur (Patharkumkumi, Khapramari), South 24 Pgs. (Budge Budge).
  19. ***Chelacaropsis ploceus*** Gupta & Paul  
*Distribution* : Medinipur (Patharkumkumi).
  20. ***Microcheyla bengalensis*** Gupta & Paul  
*Distribution* : Medinipur.
  21. ***Neoeucheyla ploceus*** Gupta & Paul  
*Distribution* : Medinipur (Patharkumkumi).
  22. ***Neocheyletiella macronycha*** (Megnin)  
*Distribution* : Not known.
  23. ***Cheletogenes ornatus*** (Canestrini & Fanzago)  
*Distribution* : Medinipur (Kanthi).  
 Family CUNAXIDAE
  24. ***Coloscirus*** sp.  
*Distribution* : Haora (Amta).
  25. ***Cunaxa anacardae*** Gupta  
*Distribution* : Murshidabad.
  26. ***Cunaxa bambusae*** Gupta & Ghosh  
*Distribution* : Puruliya and Maldah (Maldah Agricultural Farm).
  27. ***Cunaxa capreolus*** (Berlese)  
*Distribution* : Kolkata, Hugli, Haora, Medinipur (Patharkumkumi) and Nadia.



28. *Cunaxa carina* Den Heyer  
Distribution : Hugli (Badreshwar).
29. *Cunaxa cynodonae* Gupta & Ghosh  
Distribution : Maldah (Adina forest).
30. *Cunaxa mangiferae* Gupta  
Distribution : Murshidabad (Lalgola).
31. *Cunaxa prinia* Gupta & Paul  
Distribution : Medinipur (Patharkumkumi).
32. *Cunaxa setirostris* (Hermann)  
Distribution : Jalpaiguri (Jainti hills), Maldah (Maldah Agricultural Farm, Adina forest, Pyasbari Sericultural Farm, Ahio), Medinipur (Contai, Patharkumkumi), Kolkata, Hugli (Nasibpur) and South 24 Pgs. (Gosaba, North Kalyanpur).
33. *Cunaxa womersleyi* Baker & Hofmann  
Distribution : Medinipur (Jhargram).
34. *Cunaxa* sp.  
Distribution : Kolkata, Hugli and Bardhaman.
35. *Dactyloscirus bengalensis* Gupta  
Distribution : Darjiling (Darjeeling Botanical Garden).
36. *Dactyloscirus* sp.  
Distribution : South 24 Pgs. (Jamtola).
37. *Neocunaxoides biswasi* Gupta & Chattopadhyay  
Distribution : Kolkata.
38. *Neocunaxoides* sp.  
Distribution : Darjiling (Chalsa), West Medinipur (Goaltire) and Kolkata.
39. *Parabonzia* sp.  
Distribution : Hugli (Badreshwar).
40. *Scirula impressa* Berlese  
Distribution : North 24 Pgs. (Taki).  
Family RAPHIGNATHIDAE
41. *Acheles inornata* Gupta & Paul  
Distribution : Medinipur.
42. *Acheles meyeræ* Gupta & Paul  
Distribution : Medinipur (Patharkumkumi).
43. *Acheles pycnonotus* Gupta & Paul  
Distribution : Medinipur.
44. *Raphignathus guajavae* Gupta  
Distribution : Puruliya.
45. *Raphignathus* sp. a  
Distribution : Medinipur and Nadia.
46. *Raphignathus* sp. b  
Distribution : Medinipur.
47. *Raphignathus* sp. c  
Distribution : Medinipur.
48. *Raphignathus* sp. d  
Distribution : Kolkata, Hugli and Nadia.  
Family DOLICHOCYBIDAE
49. *Dolichocybe indica* Mahunka  
Distribution : Nalbari.  
Family EUPODIDAE
50. *Eupodes* sp. nr. *sigmoidensis* Strandtmann & Goff  
Distribution : Maldah (Maldah Agricultural Farm), South 24 Pgs. (Diamond Harbour), Medinipur (Medinipur town) and Darjiling (Naxalbari).
51. *Eupodes* sp.  
Distribution : Medinipur.  
Family ERYTHRAEIDAE
52. *Leptus samsingensis* Gupta  
Distribution : Darjiling (Samsing).
53. *Leptus giganticus* Khot  
Distribution : Kolkata.
54. *Leptus* sp.  
Distribution : Medinipur (Patharkumkumi).
55. *Neoabrolophus brevisetorum* Khot  
Distribution : Darjiling (Kalimpong).
56. *Paraerythraeus indicus* Khot  
Distribution : North 24 Pgs. (Baruipur).  
Family ERIOPHYIDAE
57. *Abacarus arjunalis* Mondal, Ghosh & Chakrabarti  
Distribution : Bankura.
58. *Abacarus sacchari* Channa Basavanna  
Distribution : Nadia.

59. ***Acalitus hibisci*** Mondal & Chakrabarti  
*Distribution* : Nadia.
60. ***Acaricalus artocarpae*** Chakrabarti and Pandit  
*Distribution* : Jalpaiguri (Lataguri, Gorumara).
61. ***Aceria erythrensis*** (Chakrabarti & Ghosh)  
*Distribution* : Hugli.
62. ***Aceria cordiae*** Channa Basavanna  
*Distribution* : Nadia.
63. ***Aceria crotalariae*** Channa Basavanna  
*Distribution* : North 24 Pgs.
64. ***Aceria fissistigmae*** Pandit and Chakrabarti  
*Distribution* : Jalpaiguri (Garumara forest, Lataguri).
65. ***Aceria guerreronis*** (Keifer)  
*Distribution* : South 24 Pgs. (Gosaba).
66. ***Aceria infectoriae*** Channa Basavanna  
*Distribution* : North 24 Pgs.
67. ***Aceria litchii*** (Keifer)  
*Distribution* : Nadia.
68. ***Aceria lycopersici*** (Wolff)  
*Distribution* : Nadia.
69. ***Aceria mangiferae*** Sayed  
*Distribution* : Nadia and Maldah.
70. ***Aceria nerii*** Channa Basavanna  
*Distribution* : Nadia.
71. ***Aceria pongamiae*** Channa Basavanna  
*Distribution* : Nadia.
72. ***Aceria saccharini*** Wang  
*Distribution* : South 24 Pgs. (Gosaba).
73. ***Aculops abutiloni*** Mondal & Chakrabarti  
*Distribution* : South 24 Pgs.
74. ***Aculus cassiae*** Mondal & Chakrabarti  
*Distribution* : Nadia.
75. ***Aculops excoecaria*** Mondal & Chakrabarti  
*Distribution* : South 24 Pgs.
76. ***Aculops jalpaiguriensis*** Pandit and Chakrabarti  
*Distribution* : Jalpaiguri (Lataguri).
77. ***Aculops xanthocarp*** Mondal & Chakrabarti  
*Distribution* : Nadia.
78. ***Anthocoptes adhatodae*** Channa Basavanna  
*Distribution* : Nadia.
79. ***Anthocoptes glycosmis*** Mondal & Chakrabarti  
*Distribution* : Nadia.
80. ***Bakeriella ocimis*** Chakrabarti & Mondal  
*Distribution* : South 24 Pgs.
81. ***Calacarus araliae*** Chakrabarti & Mondal  
*Distribution* : Nadia.
82. ***Calacarus capsica*** Chakrabarti & Mondal  
*Distribution* : Nadia.
83. ***Calacarus jasmini*** Chakrabarti & Mondal  
*Distribution* : Nadia.
84. ***Calacarus keiferi*** Chakrabarti & Mondal  
*Distribution* : Nadia.
85. ***Calacarus microrostrus*** Chakrabarti & Mondal  
*Distribution* : Hugli.
86. ***Calacarus quisqualis*** Chakrabarti & Mondal  
*Distribution* : Nadia.
87. ***Calacarus swietensis*** Chakrabarti & Mondal  
*Distribution* : Nadia.
88. ***Calacarus vasicae*** Chakrabarti *et al.*  
*Distribution* : Maldah (Englishbazar).
89. ***Colomerus trichodesmae*** Chakrabarti and Pandit  
*Distribution* : Jalpaiguri (Lataguri) and Darjiling (Satmile).

90. ***Cosella ventilogi*** Chakrabarti *et al.*  
Distribution : Maldah.
91. ***Cosetacus prosteti*** Pandit and Chakrabarti  
Distribution : Darjiling (Kalimpong).
92. ***Cosetacus eupatori*** Chakrabarti and Pandit  
Distribution : Darjiling (Sebak) and Jalpaiguri (Maynaguri).
93. ***Diptilomiopus anthocephali*** Chakrabarti *et al.*  
Distribution : Maldah (Kendpukur).
94. ***Diptilomiopus curvinis*** Chakrabarti *et al.*  
Distribution : Bankura (Dubrakone).
95. ***Diptilomiopus lagerstroemae*** Chakrabarti *et al.*  
Distribution : Maldah (Adina).
96. ***Diptilomiopus leeasis*** Chakrabarti *et al.*  
Distribution : Hugli (Khalisani).
97. ***Epicecidophyes indica*** Mondal, Ghosh and Chakrabarti  
Distribution : Hugli.
98. ***Epicecidophyes clerodendris*** Mondal & Chakrabarti  
Distribution : Nadia.
99. ***Gammophytoptus litseasis*** Mondal, Ghosh & Chakrabarti  
Distribution : Hugli.
100. ***Indonotalox sudarsani*** Ghosh & Chakrabarti  
Distribution : Bankura.
101. ***Indosefacus cleistanthusi*** Chakrabarti *et al.*  
Distribution : Darjiling (Tista Bazar).
102. ***Neocatarhinus ficusis*** Chakrabarti *et al.*  
Distribution : Medinipur (Raghunathbari).
103. ***Neodichopelmus cordiae*** Chakrabarti and Pandit  
Distribution : Darjiling (Rong Tong, Bagmore).
104. ***Neorhynacus lakoochii*** Pandit and Chakrabarti  
Distribution : Jalpaiguri (Lataguri).
105. ***Neotegonotus indicus*** Mondal & Chakrabarti  
Distribution : Nadia.
106. ***Paratetra himalayana*** Chakrabarti & Mondal  
Distribution : Darjiling.
107. ***Phyllocoptes anisomelisis*** Chakrabarti *et al.*  
Distribution : Maldah (Englishbazar).
108. ***Phyllocoptes salmaliae*** Chakrabarti & Mondal  
Distribution : Nadia.
109. ***Phyllocopturta oleivora*** (Ashmead)  
Distribution : Nadia and South 24 Pgs.
110. ***Phytoptus terminaliae*** Channa Basavanna  
Distribution : Bankura.
111. ***Protumescoptes antedesmae*** Pandit and Chakrabarti  
Distribution : Darjiling (Mong Pong forest) and Jalpaiguri (Jaldapara forest).
112. ***Scolocenus spiniferus*** Keifer  
Distribution : Hugli.
113. ***Tegolophus artocarpus*** Keifer  
Distribution : Nadia.
114. ***Tegolophus calotropi*** Chakrabarti & Mondal  
Distribution : Nadia.
115. ***Tegolophus gelonis*** Mondal & Chakrabarti.  
Distribution : Nadia.
116. ***Tegolophus ficusis*** Mondal & Chakrabarti  
Distribution : Nadia.

117. ***Tegolophus indica*** Chakrabarti & Mondal  
*Distribution* : Nadia.
118. ***Tegolophus kalyanii*** Chakrabarti, Ghosh & Mondal  
*Distribution* : Nadia.
119. ***Tegolophus nerii*** Mondal & Chakrabarti  
*Distribution* : Nadia.
120. ***Tegolophus parviflorii*** Pandit and Chakrabarti  
*Distribution* : Darjiling (Rong Tong).
121. ***Tegolophus spondiallus*** Mondal & Chakrabarti  
*Distribution* : South 24 Pgs.
122. ***Tegolophus vitexis*** Mondal & Chakrabarti  
*Distribution* : North 24 Pgs.
123. ***Tegonotus bengalensis*** Mondal & Chakrabarti  
*Distribution* : North 24 Pgs.
124. ***Tegonotus jambolensis*** Mondal, Ghosh & Chakrabarti  
*Distribution* : Bankura.
125. ***Tegonotus litseae*** Ghosh and Chakrabarti  
*Distribution* : Bankura (Dubrakone).
126. ***Tegonotus mangiferae*** (Keifer)  
*Distribution* : Nadia.
127. ***Tegonotus schleicheri*** Ghosh and Chakrabarti  
*Distribution* : Bankura (Dubrakone).
128. ***Tetra lanneansis*** Chakrabarti, Ghosh & Mondal  
*Distribution* : Bankura (Dubrakone).
129. ***Vasates lakoochae*** Pandit and Chakrabarti  
*Distribution* : Jalpaiguri (Ramsai).
130. ***Caleptrimerus antedesmae*** Chakrabarti & Das  
*Distribution* : Nadia.
131. ***Caleptrimerus cordiae*** Chakrabarti & Das  
*Distribution* : Birbhum.
132. ***Indotegolophus darjeelingensis*** Chakrabarti & Mondal  
*Distribution* : Darjiling.  
 Family HYDROVOLZIIDAE
133. ***Hydrovolzia infringata*** Walter  
*Distribution* : Darjiling.  
 Family MYOBIIDAE
134. ***Neomyobia luzonensis*** Womersley  
*Distribution* : Kolkata.  
 Family MICRODISPIDAE
135. ***Brannandania palmifer*** Manhunka  
*Distribution* : North 24 Pgs. (Nalbani).
136. ***Microdispus setosus*** (Evans)  
*Distribution* : Darjiling (Ghum).
137. ***Microdispus testudinis*** Mahunka  
*Distribution* : Darjiling (Ghum).  
 Family PYEMOTIDAE
138. ***Pyemotes herfsi*** Oudemans  
*Distribution* : Kolkata and Hugli.  
 Family PYGMEPHORIDAE
139. ***Bakerdania indica*** Mahunka  
*Distribution* : Darjiling (Ghum).
140. ***Bakerdania kashmirensis*** Mahunka  
*Distribution* : Darjiling (Ghum).
141. ***Bakerdania microangulata*** Mahunka  
*Distribution* : Darjiling (Ghum).
142. ***Bakerdania sellnicki*** (Cooremann)  
*Distribution* : Nalbani.
143. ***Bakerdania spuiifera*** Mahunka  
*Distribution* : Darjiling (Ghum) and East Medinipur (Haldia).
144. ***Pygmephorus spinosus*** (Kramer)  
*Distribution* : Darjiling (Ghum).  
 Family RHYNCAPHYTOPTIDAE
145. ***Diptilomiopus bengalensis*** Chakrabarti & Mondal  
*Distribution* : Nadia.

146. *Diptilorhynacus sinusetus* Mondal,  
Ghosh & Chakrabarti  
*Distribution* : Hugli.
147. *Neorhynacus combretis* Ghosh &  
Chakrabarti  
*Distribution* : Bankura.
148. *Rhyncaphytoptus shoreacola*  
Mondal, Ghosh & Chakrabarti  
*Distribution* : Bankura.  
Family STIGMAEIDAE
149. *Agistemus fleschneri* Summers  
*Distribution* : Medinipur (Contai), Koch  
Bihar (Chelapather), Maldah (Adina forest,  
Ahio), West Dinajpur (Raigunj) and South 24  
Pgs. (Kakdwip).
150. *Agistemus macrommatus* Gonzalez-  
Rodriguez  
*Distribution* : Medinipur (Jhargram).
151. *Agistemus terminalis* (Quayle)  
*Distribution* : Darjiling.
152. *Agistemus spnrsimplex* Gonzalez-  
Rodriguez  
*Distribution* : Puruliya.
153. *Zetzellia languida* Gonzalez-  
Rodriguez  
*Distribution* : Maldah (Maldah Agricultural  
Farm).  
Family TYDEIDAE
154. *Parapronematus camelia* Gupta  
*Distribution* : Darjiling (Samsing Tea Estate).
155. *Parapronematus  
murshidabadensis* Gupta  
*Distribution* : Murshidabad (Kandi).
156. *Parapronematus* sp.  
*Distribution* : South 24 Pgs. and Hugli  
(Chinsum).
157. *Pronematus* sp.  
*Distribution* : South 24 Pgs. (Sajnakhali),  
Kolkata, Medinipur and Haora (Bargachia).
158. *Paralorryia fodderi* Gupta  
*Distribution* : South 24 Pgs. (Gosaba).
159. *Paralorrya* sp.  
*Distribution* : North 24 Pgs. (Basirhat).
160. *Pronematus tenuisetosus* Meyer  
and Rodrigues  
*Distribution* : Haora (Uday Narayanpur).
161. *Tydeus ornamentalicus* Gupta  
*Distribution* : Darjiling (Sarbari garden).
162. *Tydeus gosabaensis* Gupta  
*Distribution* : South 24 Pgs. (Gosaba).
163. *Tydeus cumini* Gupta  
*Distribution* : South 24 Pgs. (Gosaba).
164. *tydeus* sp.  
*Distribution* : South 24 Pgs., Haora (Amta)  
and West Medinipur (Arabari).
165. *Pronematus elongates* Baker  
*Distribution* : Kolkata (Belgachia) and North  
24 Pgs. (Dum Dum).
166. *Pronematus flesehneri* Baker  
*Distribution* : Kolkata, Hugli and South 24  
Pgs.
167. *Pronematus bengalensis* Gupta & Paul  
*Distribution* : Medinipur (Patharkumkumi).
168. *Pronematus indiana* Gupta & Paul  
*Distribution* : Medinipur (Patharkumkumi).
169. *Pronematus saularis* Gupta & Paul  
*Distribution* : Medinipur.
170. *Coccotydeus* sp.  
*Distribution* : Birbhum.  
Family TETRANYCHIDAE
171. *Bryobia praetiosa* Koch  
*Distribution* : Darjiling (Kalimpong).
172. *Aponychus corpuzae* Rimando  
*Distribution* : Darjiling (Darjiling town) and  
South 24 Pgs. (Diamond harbour).
173. *Eutetranychus maximae* Nassar &  
Ghai  
*Distribution* : Birbhum (Suri).
174. *Eutetranychus orientalis* (Klein)  
*Distribution* : Bankura, Puruliya, Medinipur,  
South 24 Pgs. and Birbhum.

175. ***Petrobia harti*** (Ewing)  
*Distribution* : Darjiling.
176. ***Eotetranychus hirsti*** Pritchard & Baker  
*Distribution* : West Dinajpur (Raigunj, Dalkhola), Hugli, Jalpaiguri (Alipurduar) and South 24 Pgs.
177. ***Eotetranychus suginamensis*** (Yokoyama)  
*Distribution* : Darjiling (Kalimpong).
178. ***Eotetranychus hicoriae***  
*Distribution* : South 24 Pgs.
179. ***Eotetranychus*** sp.  
*Distribution* : East Medinipur (Patharkumkumi).
180. ***Triophtydeus*** sp.  
*Distribution* : Haora (Gayeshpur), East Medinipur (Deulia Bazar, Minitikir) and West Medinipur (Shilamon).
181. ***Microtydeus*** sp.  
*Distribution* : Hugli (Bhadreshwar).
182. ***Paratriophtydeus*** sp.  
*Distribution* : West Medinipur (Goaltore).
183. ***Eotetranychus truncatus*** Estebanes & Baker  
*Distribution* : Darjiling (Samsing).
184. ***Eotetranychus uncatius*** Garman  
*Distribution* : Darjiling (Samsing Tea Estate).
185. ***Eotetranychus*** sp.  
*Distribution* : Bankura, South 24 Pgs. (Bakkhali, Canning) and Darjiling (Manebhanjang).
186. ***Panonychus citri*** (Mc Gregor)  
*Distribution* : Darjiling (Kalimpong, Manebhanjang), Maldah (Pyasabari Sericultural Farm) and Jalpaiguri (Alipurduar).
187. ***Panonychus ulmi*** (Koch)  
*Distribution* : Darjiling (Kalimpong) and Maldah (Maldah Agri. Farm).
188. ***Oligonychus biharensis*** (Hirst)  
*Distribution* : Jalpaiguri (Jalpaiguri town), Medinipur, Barddhaman (Katwa), Birbhum (Ballavpur) and Koch Bihar.
189. ***Oligonychus coffeae*** (Nietner)  
*Distribution* : Jalpaiguri (Debpara Tea Estate).
190. ***Oligonychus indicus*** (Hirst)  
*Distribution* : Jalpaiguri (Alipurduar, Jainti hills), Murshidabad, Bankura (Jairambati), Medinipur, South 24 Pgs. and Barddhaman.
191. ***Oligonychus mangiferus*** (Rahman & Sapra)  
*Distribution* : Barddhaman (Khana), Maldah (Maldah Agri. Farm), Medinipur (Kanthi, Jhargram), Darjiling (Chalsa), Bankura (Jairambati), South 24 Pgs. (Bakkhali), Murshidabad (Dalkhola) and Jalpaiguri (Alipurduar).
192. ***Oligonychus oryzae*** (Hirst)  
*Distribution* : Nadia, Darjiling (Chalsa), South 24 Pgs. and Bankura.
193. ***Oligonychus punicae*** (Hirst)  
*Distribution* : Bankura (Jairambati).
194. ***Oligonychus sacchari*** (Mc Gregor)  
*Distribution* : Nadia and South 24 Pgs.
195. ***Oligonychus sapienticolus*** Gupta  
*Distribution* : Murshidabad.
196. ***Panonychus citri*** (McGreger)  
*Distribution* : South 24 Pgs.
197. ***Oligonychus*** sp.  
*Distribution* : South 24 Pgs. (Sajnakhali, Sudhanyakhali, Kakdwip) and Barddhaman (Katwa).
198. ***Schizotetranychus andropogoni*** (Hirst)  
*Distribution* : Hugli, Murshidabad (Kandi) and North 24 Pgs.
199. ***Schizotetranychus baltazari*** Rimando  
*Distribution* : South 24 Pgs. (Kakdwip).
200. ***Schizotetranychus cajani*** Gupta  
*Distribution* : West Dinajpur (Dalkhola), Murshidabad and Nadia.
201. ***Schizotetranychus hindustamicus*** (Hist)  
*Distribution* : South 24 Pgs.
202. ***Schizotetranychus spireaefolia*** Garman  
*Distribution* : South 24 Pgs.

203. *Schizotetranychus* sp.  
*Distribution* : South 24 Pgs. (Sajnakhali, Bakkhali).
204. *Tetranychus cinnabarinus* (Boisd)  
*Distribution* : Darjiling (Kalimpong), West Dinajpur (Raigunj, Dalkhola), Maldah (Sericultural farm), Puruliya (Manbazar), Barddhaman (Khana), Bankura (Jairambati), Murshidabad (Lalgola), Medinipur (Garbeta) and South 24 Pgs. (Diamond harbour).
205. *Tetranychus fijiensis* Hirst  
*Distribution* : Murshidabad (Kandi) and South 24 Pgs. (Gosaba).
206. *Tetranychus hypogaeae* Gupta  
*Distribution* : Murshidabad.
207. *Tetranychus ludeni* Zacher  
*Distribution* : Medinipur (Kanthi) and South 24 Pgs. (Sagar island).
208. *Tetranychus macfarlanei* Baker and Pritchard  
*Distribution* : South 24 Pgs. (Lothian island).
209. *Tetranychus neocaledonicus* Andre  
*Distribution* : Murshidabad (Kamdni), Birbhum (State Agri. Farm), Koch Bihar (Gossanimari), Bankura (Jairambati), Maldah (Pyasbari Sericultural Farm), Hugli, Puruliya (Balarampur), Kolkata and South 24 Pgs. (Sagar Island)
210. *Tetranychus urticae* Koch  
*Distribution* : Hugli, South 24 Pgs. and Nadia.
211. *Tetranychus* sp.  
*Distribution* : Darjiling (Samsing, Kalimpong), South 24 Pgs. (Sajnakhali, Bagmundi), Maldah (Pyasbari Sericultural Farm), Barddhaman (Khana) and Bankura (Mukutmanipur).  
Family TENUIPALPIDAE
212. *Brevipalpus deleoni* Pritchard & Baker  
*Distribution* : Bankura and Hugli.
213. *Brevipalpus essigi* Baker  
*Distribution* : Darjiling (Manebhanjang), Bankura and South 24 Pgs.
214. *Brevipalpus obovatus* Donnadieu  
*Distribution* : Darjiling (Samsing), Jalpaiguri and Murshidabad (Kandi).
215. *Brevipalpus essigi* Baker  
*Distribution* : South 24 Pgs. (Gosaba).
216. *Brevipalpus phoenicis* (Geij.)  
*Distribution* : Jalpaiguri (Alipurduar, Jaldapara sanctuary), Koch Bihar, Medinipur, Barddhaman, Nadia, South 24 Pgs. (Kakdwip, Sajnakhali) and Birbhum (Suri, Ballavpur).
217. *Brevipalpus rugulosus* Chaudhuri, Akbar and Rasool  
*Distribution* : South 24 Pgs. (Sajnakhali, Gosaba).
218. *Raoiella indica* Hirst  
*Distribution* : South 24 Pgs. (Sajnakhali, Pancha), Puruliya, Kolkata, Barddhaman and Bankura (Jairambati, Bishnupur).
219. *Tenuipalpus micheli* Lawrence  
*Distribution* : South 24 Pgs. (Sajnakhali).
220. *Tenuipalpus pernicious* Chaudhuri, Akar and Rasod  
*Distribution* : South 24 Pgs. (Bhagabatpur).
221. *Tenuipalpus* sp.  
*Distribution* : Darjiling and South 24 Pgs.
222. *Colopodacus combretus* Ghosh & Chakrabarti  
*Distribution* : Bankura.
223. *Cosella ichnocarpasia* Mondal & Chakrabarti  
*Distribution* : Nadia.  
Family TORRENTICOLIDAE
224. *Torrenticola angulata* (Walter)  
*Distribution* : Darjiling.  
Family TROMBICULIDAE
225. *Gahrlipeia bengalensis* (Hirst)  
*Distribution* : Kolkata and Jalpaiguri (Binaguri).
226. *Gahrlipeia ceylonica* Womersley  
*Distribution* : Jalpaiguri (Binaguri).
227. *Gahrlipeia ligula* (Radford)  
*Distribution* : Jalpaiguri (Binaguri).

228. *Helenicula kohlsi* (Philip & Woodward)  
Distribution : Jalpaiguri (Binaguri).
229. *Helenicula lanius* (Radford)  
Distribution : Jalpaiguri (Binaguri).
230. *Leptotrombidium akamushi* (Brumpt)  
Distribution : Darjiling (Siliguri).
231. *Schongastia indica* Hirst  
Distribution : Kolkata and Jalpaiguri (Binaguri).
232. *Trombicula fulleri* (Ewing)  
Distribution : Jalpaiguri (Binaguri).
233. *Trombicula gliricolens* (Hirst)  
Distribution : Kolkata.  
Family TROMBIDIIDAE
234. *Calotrombidium nikolettae* Haitlinger  
Distribution : Kolkata.
235. *Allothrombium* sp.  
Distribution : Birbhum.
236. *Trombidium gigas* Trouessart  
Distribution : East Medinipur (Deulia Bazar).  
Family UNIONICOLIDAE
237. *Unionicola diversipes* Viets  
Distribution : Not known.
238. *Unionicola scutigera* Viets  
Distribution : Not known.  
Family SCUTACURIDAE
239. *Diversipes simplex* Mahunka  
Distribution : East Medinipur (Sripur).
240. *Heterodispus reductus* Mahunka  
Distribution : North 24 Pgs. (Nalbani).
241. *Heterodispus topali* Mahunka  
Distribution : North 24 Pgs. (Nalbani).
242. *Imparipes haarloevi* Karafiat  
Distribution : Darjiling (Ghum).
243. *Scutacarus atrox* Mahunka  
Distribution : Darjiling (Ghum).
244. *Scutacarus ghosali* Mahunka  
Distribution : Darjiling (Ghum).
245. *Scutacarus himalayensis* Mahunka  
Distribution : Darjiling (Ghum).
246. *Scutacarus hystrix* (Paoli)  
Distribution : Darjiling.
247. *Scutacarus kapuri* Mahunka  
Distribution : Darjiling (Ghum).
248. *Scutacarus veritus* Mahunka  
Distribution : Darjiling (Ghum).  
Family SITEROPTIDAE
249. *Siteroptes priscus* (Krczal)  
Distribution : North 24 Pgs. (Nalbani).  
Family TARSONEMIDAE
250. *Polyphagotarsonemus latus* (Banks)  
Distribution : South 24 Pgs. (Sajnakhali) and Coochbehar (Pundibari).
251. *Tarsonemus granarius* Lindquist  
Distribution : Kolkata, Hugli and Barddhaman.
252. *Tarsonemus* sp.  
Distribution : Kolkata, Haora, Hugli (Chinsura) and East Medinipur (Patharkumkumi).  
Family STIGMAEIDAE
253. *Agistemus prinia* Gupta & Paul  
Distribution : East Medinipur.
254. *Agistemus simplex* Gonzalez-Rodriguez  
Distribution : East Medinipur.
255. *Cheylostigmaeus midnapurensis* Gupta & Paul  
Distribution : East Medinipur (Patharkumkumi).
256. *Stigmaeus woodi* Gupta & Paul  
Distribution : East Medinipur (Patharkumkumi).
257. *Zetzeitlia languida* Gonzalez-Rodriguez  
Distribution : East Medinipur.  
Family OEHSERCHESIDAE
258. *Oehserchestes* sp.  
Distribution : West Medinipur (Arabari).



## ACARI : MITE : CRYPTOSIGMATA

Phylum ARTHROPODA

Class ACARI

Order CRYPTOSTIGMATA

Family AMERIDAE

1. ***Hymenobelba ypsilon*** Balogh

*Distribution* : Darjiling.

Family ASTEGISTIDAE

2. ***Maorizetus ferox*** Hammer

*Distribution* : Jalpaiguri (Kalchini, Birpara).

3. ***Demisalto engelbrechti*** Coetzee

*Distribution* : Jalpaiguri (Ramsai, Banarhat).

Family BANKSINOMIDAE

4. ***Oribella*** sp.

*Distribution* : Birbhum.

Family BASILOBELIDAE

5. ***Basilobelba barbata*** Mondal and Kundu

*Distribution* : Darjiling.

6. ***Basilobelba indica*** Bhaduri, Chakrabarti and Raychaudhuri

*Distribution* : Barddhaman, Kolkata, Darjiling (Panitanki) and Jalpaiguri (Rajabhatkhawa, Alipurduar).

7. ***Xiphobelba*** sp.

*Distribution* : Birbhum and Kolkata.

Family BELBIDAE

8. ***Metabelba*** sp.

*Distribution* : Darjiling.

9. ***Metabelba obtusus*** Hammer

*Distribution* : Darjiling and Jalpaiguri (Indong, Banarhat).

Family BELBODAMAEIDAE

10. ***Damaeobelba*** sp.

*Distribution* : Birbhum.

11. ***Hungarobelba*** sp.

*Distribution* : Birbhum.

Family BRACHYCHTHONIIDAE

12. ***Brachychthoniu*** sp.

*Distribution* : Birbhum.

13. ***Brachychthonius cricoids*** Weis-Fogh

*Distribution* : Birbhum.

Family CAMISIIDAE

14. ***Platynothrus*** sp.

*Distribution* : Medinipur.

15. ***Sigmonothrus bistratus*** Chakrabarti and Mondal

*Distribution* : Darjiling.

16. ***Sigmonothrus ovatus*** Kundu and Mondal

*Distribution* : Darjiling.

17. ***Sigmonothrus quadristriatus***

Chakrabarti and Kundu

*Distribution* : Darjiling.

Family CARABODIDAE

18. ***Carabodes kusseri*** Balogh and Mahunka

*Distribution* : Darjiling (Sukna).

19. ***Carabodes peniculatus*** Aoki

*Distribution* : North 24 Pgs. and Medinipur (Jhargram).

20. ***Gibbicepheus*** sp.

*Distribution* : Darjiling (East of Sukna forest).

21. ***Indotocepheus himalayensis*** Mondal & Kundu

*Distribution* : Darjiling (Lebong).

22. ***Neocarabodes sexpilosus*** Balogh and Mahunka

*Distribution* : Darjiling.

23. ***Pentabodes insolitus*** Balogh

*Distribution* : Jalpaiguri (Koch Behar Tea Estate, Dalgaori).

24. ***Podopterotegalus tectus*** Aoki

*Distribution* : Darjiling (Lepchaghat, Sonada).

25. ***Pseudocarabodes xenus*** Mahunka

*Distribution* : Jalpaiguri (Indong, Banarhat).

26. ***trichocarabedes*** sp.  
*Distribution* : Darjiling (Sandakphu).  
 Family CARABO CEPHEIDAE
27. ***Carabocephus*** sp.  
*Distribution* : Darjiling (Sandakphu).  
 Family CEPHEIDAE
28. ***Conoppia*** sp.  
*Distribution* : Birbhum and Kolkata.  
 Family CERATOZETIDAE
29. ***Allozetes trnslamellatus*** Hammer  
*Distribution* : Puruliya (Mayasaravar, Jhalda).
30. ***Ceratozetes gracilis*** Michael  
*Distribution* : Darjiling (Sandakphu), Koch Bihar (Netaji Road, Alipurduar) and Jalpaiguri (Kalchini, Birpara).
31. ***Hypozetes imitator*** Balogh  
*Distribution* : Kolkata and Jalpaiguri (Hamiltongunj).
32. ***Hypozetes laysanensis*** Aoki  
*Distribution* : South 24 Pgs. (Joka), Birbhum.
33. ***Hypozetes*** sp.  
*Distribution* : Birbhum.
34. ***Trichoribates rausensis*** Aoki  
*Distribution* : Jalpaiguri (Indong, Banarhat).
35. ***Uracrobates*** sp.  
*Distribution* : Darjiling (Samsing Tea Estate).  
 Family CHAUNOPROCTIDAE
36. ***Chaunoproctus abalai*** Bhaduri, Bhattacharya and Chakrabarti  
*Distribution* : Bankura (Rajdarbar, Bishnupur), Barddhaman (Katwa), Darjiling (Panitanki), Hugli (Arambagh), Medinipur (Junput) and South 24 Pgs.
37. ***Chaunoproctus clavisetosus*** Bhaduri, Bhattacharya and Chakrabarti  
*Distribution* : Birbhum and Kolkata.
38. ***Chaunoproctus minor*** (Balogh)  
*Distribution* : Jalpaiguri (Rajabhtkhawa Alipurduar, Jayanti) and Murshidabad (Lalgola).
- Family COSMOCHTHONIIDAE
39. ***Cosmochthonius bengalensis*** Chakrabarti, Bhaduri and Raychaudhuri  
*Distribution* : Kolkata, Nadia, North 24 Pgs. and South 24 Pgs.
40. ***Cosmochthonius lanatus*** (Michael)  
*Distribution* : Birbhum.
41. ***Cosmochthonius*** sp.  
*Distribution* : South 24 Pgs.
42. ***Phyllozetes emmae*** (Berlese)  
*Distribution* : Birbhum.
43. ***Trichthonius heterotrichus*** Sanyal and Bhaduri  
*Distribution* : South 24 Pgs.  
 Family PTEROCHTHONIIDAE
44. ***Pterochthonis*** sp.  
*Distribution* : Darjiling (Sandakphu).  
 Family CYMBAERMEIDAE
45. ***Scapheremaeus fisheri*** Aoki  
*Distribution* : Nadia.
46. ***Scapheremaeus*** sp.  
*Distribution* : Birbhum.  
 Family DAMAEOLIDAE
47. ***Fosseremus quadripertitus*** Grandjean  
*Distribution* : Birbhum.  
 Family EPILOHMANNIIDAE
48. ***Epilohmannia pallida*** Wallwork  
*Distribution* : Barddhaman, Haora (Domjur) and Hugli (Kamarpukur).
49. ***Epilohmannia pallida indica*** Bhattacharya and Bannerjee  
*Distribution* : Barddhaman (Barddhaman University campus), Birbhum and Haora (Sibpur).
50. ***Epilohmannia pallida pacifica*** Aoki  
*Distribution* : Birbhum, South 24 Pgs.  
 Family EREMAEIDAE
51. ***Proteremaeus*** sp.  
*Distribution* : Birbhum and Jalpaiguri (Jayanti forest, Alipurduar).

Family EREMAEOZETIDAE

52. *Eremeozetes himayalensis* Sanyal  
Distribution : Darjiling (Samsing phari).

Family EREMOBELBIDAE

53. *Eramobelba himalayensis* Mondal  
and Kundu  
Distribution : Darjiling.

54. *Eremobelba miliae* Sanyal

Distribution : Jalpaiguri (Rajabhatkhawa).

Family EREMULIDAE

55. *Eremulus avenifer* Berlese

Distribution : North 24 Pgs., Darjiling (Sukna forest) and Jalpaiguri (Rajabhatkhawa, Alipurduar).

56. *Eremulus flagellifer* Berlese

Distribution : North 24 Pgs. and Birbhum.

57. *Eremulus hetrotrichus* Chakrabarti &  
Dasgupta

Distribution : South 24 Pgs. (Achipur).

58. *Eremulus punctatus* Chakrabarti &  
Dasgupta

Distribution : North 24 Pgs. (Naihati).

59. *Eremulus renukae* Sanyal

Distribution : Darjiling (Rangpoo).

Family EUPHTHRACARIDAE

60. *Rhysotritia ardua* (Koch)

Distribution : Barddhaman (Barddhaman University campus, Golapbagh), Birbhum (Suri) and Nadia (Krishnanagar).

61. *Rhysotritia ardua* (Koch)  
**var.otaheitensis** Hammer

Distribution : South 24 Pgs., Jalpaiguri (Rajabhatkhawa), Koch Bihar (C.T.R.I Campus Dinhata) and Darjiling (Sandakphu).

62. *Rhysotritia brasiliiana* Mahunka

Distribution : Darjiling (Jorebangla).

63. *Rhysotritia furcata* Bayoumi and  
Mahunka

Distribution : Darjiling (Sandakphu).

64. *Rhysotritia peruensis* (Hammer)

Distribution : Kolkata and Nadia.

Family ORIBOTRITIIDAE

65. *Oribotrihi gigas* Bayumi and Mahunta  
Distribution : Darjiling (Sandakphu).

Family GALUMNELLIDAE

66. *Galumnella nipponica* Suzki & Aoki  
Distribution : Jalpaiguri (Ramsai).

Family GALUMNIDAE

67. *Allogalumna remota* Hammer

Distribution : Jalpaiguri (Binaguri, Lataguri)

68. *Galumna crenata* Deb and  
Raychaudhuri

Distribution : South 24 Pgs. (Joka), Bankura (Nutanchati, Bankura town, Rajdarbar, Bishnupur town), Barddhaman (Katwa, Khana), Birbhum (Sadar hospital campus, Suri, Nanur), Murshidabad (Lalgola), Puruliya (Nandwara Raghunathpur), West Dinajpur (Jambari, Goswamipara, Dinhata, Dhangra, Raigunj) and North 24 Pgs.

69. *Galumna flabellifera orientalis* Aoki

Distribution : North 24 Pgs., South 24 Pgs., Bankura (Nutanchati, Bankura town), Barddhaman (Katwa, Ramnabagan, Golapbagh), Birbhum (Bhattacharya para, Nanur, Anandakanan Ashram, Dubrajpur, Suri), Kolkata, Darjiling (Teesta bazar, Kalimpong), Maldah (Adina forest) and Puruliya (Irrigation bungalow campus, Puruliya town, Mayasaravar, Jhalda).

70. *Galumna parascaber* Deb and  
Raychaudhuri

Distribution : South 24 Pgs.

71. *Galumna parviporosa* Balogh and  
Balogh

Distribution : Jalpaiguri (Dalgaon, Banarhat).

72. *Galumna* sp.

Distribution : Darjiling (HTE).

73. *Pergalumna taprobanica* Balogh

Distribution : Jalpaiguri (Gairkhata, Banarhat).

Family GEHYPOCHTHONIIDAE

74. *Gehyochthonius* sp.

*Distribution* : Birbhum.

Family GYMNODAMAEIDAE

75. *Allodamaeus adpressus* Aoki and Fujikawa

*Distribution* : Darjiling.

Family HAPLOCHTHONIIDAE

76. *Haplochthonius clavatus* (Hammer)

*Distribution* : Nadia.

77. *Haplochthonius intermedius* Chakrabarti, Bhaduri and Raychaudhuri

*Distribution* : South 24 Pgs. and Nadia.

78. *Haplochthonius simplex* Willmann

*Distribution* : Birbhum.

79. *Haplochthonius* sp.

*Distribution* : South 24 Pgs.

Family HAPLOZETIDAE

80. *Conozetes* sp.

*Distribution* : Jalpaiguri (Buxa Road, Alipuduar) and Medinipur (Bharatpur).

81. *Cosmobates* sp.

*Distribution* : Medinipur (Bharatpur).

82. *Haplozetes cancellatus* Beck

*Distribution* : Medinipur (Bharatpur).

83. *Haplozetes* sp.

*Distribution* : Darjiling (East of Sukna forest), Jalpaiguri (Rajabhatkhawa Alipurduar), Puruliya (Mayasaravar, Jhalda), Dinajpur (Hemtabad, Raigunj) and South 24 Pgs.

84. *Indobates asejugalis* Pandit and Bhattacharya

*Distribution* : Medinipur (Bharatpur).

85. *Lauritzenia longipluma* Hammer

*Distribution* : South 24 Pgs. (Frazergunj) and Murshidabad.

86. *Peloribates intermedius* Mondal

*Distribution* : Bankura (Mukutmanipur), Haora, Jalpaiguri (Jaigaon, Karala), Murshidabad (Lalgola, Lalbagh) and Puruliya

(Irrigation bungalow campus, Puruliya town, Matha).

87. *Pilobatella berlesi* Bhattacharya and Banerjee

*Distribution* : Bankura (Nutanchati, Bankura town) and Birbhum.

88. *Pilobatella* sp.

*Distribution* : Birbhum.

89. *Pilobates* sp.

*Distribution* : Birbhum.

90. *Rostrozetes foveolatus* Sellnick

*Distribution* : North 24 Pgs., Barddhaman (Khana), Darjiling (East of Sukna forest, Kuapani, Kalimpong, Chitra, Lebong) and Medinipur (Bharatpur).

91. *Rostrozetes ovulum* (Berlese)

*Distribution* : Jalpaiguri (Lataguri, Jaldacha, Jainti).

92. *Rostrozetes punctatus* Karppinen

*Distribution* : Darjiling.

93. *Rostrosetes* sp.

*Distribution* : Darjiling (HTE).

Family XYLOBATIDAE

94. *Brasilobates punctata* Grobler

*Distribution* : Jalpaiguri (Birpara, Jainti).

95. *Phalacrozetes sinatus* Aoki

*Distribution* : South 24 Pgs. (Joka), Barddhaman (Barddhaman University Campus, Gopalbagh), Birbhum (Suri) and Darjiling (Panitanki).

96. *Setoxylobates foveolates* Balogh and Mahunka

*Distribution* : Birbhum (Babubera, Dububera, Dubrajpur), Darjiling (Chitra) and Murshidabad (Lalgola).

97. *Xylobates capucinus* (Berlese)

*Distribution* : Darjiling and Medinipur (Bharatpur).

98. *Xylobates mollicoma* Hammer

*Distribution* : Jalpaiguri (Birpara, Jainti) and Medinipur (Bharatpur).

99. *Xylobates seminudus* Hammer

*Distribution* : South 24 Pgs. (Joka), Bankura (Jairambati), Barddhaman (Katwa, Barddhaman University campus, Gopalbagh, Ramnabagan, Gopalbagh), Darjiling (Teesta bazar, Kirna Khola, Rangpoo), Murshidabad (Lalgola) and Puruliya (Jhalda, Matha, Mukutmanipur, Magikund, Nandwara Raghunathpur, Mayasaravar).

100. *Xylobates triangularis* Hammer

*Distribution* : Jalpaiguri (Kalchini, Moraghat).

101. *Xylobates* sp.

*Distribution* : Darjiling (HTE).

Family HERMANNIIDAE

102. *Phyllhermannia berlesi* Mondal

*Distribution* : Darjiling and Jalpaiguri (Lataguri, Moraghat).

Family HETEROBELBIDAE

103. *Heterobelba rostrata* Mondal and Kundu

*Distribution* : Darjiling and Jalpaiguri (Atiabari, Binaguri).

104. *Heterobelba* sp.

*Distribution* : Darjiling.

Family HYPOCHTHONIIDAE

105. *Eohypochthonius gracilis* Jacot

*Distribution* : North 24 Pgs. and Barddhaman.

106. *Eohypochthonius vilhenarum* (Balogh)

*Distribution* : Birbhum.

107. *Hypochthonius rufulus* Koch

*Distribution* : Darjiling (Sandakphu).

108. *Hypochthonius* sp.

*Distribution* : Birbhum and South 24 Pgs.

109. *Malacoangelia remigera* Berlese

*Distribution* : Barddhaman (Katwa) and Kolkata.

110. *Malacoangelia remigera indica*

Chakrabarti, Bhaduri and Raychaudhuri

*Distribution* : North 24 Pgs. and Nadia.

Family LIACARIDAE

111. *Liacarus acutidens* Aoki

*Distribution* : Jalpaiguri (Lataguri).

Family LIODIDAE

112. *Liodes terrestris* Wallwork

*Distribution* : Darjiling and Nadia.

Family LOHMANNIIDAE

113. *Annectacarus longisetosus*

Bhattacharya, Bhaduri and Raychaudhuri

*Distribution* : Birbhum.

114. *Annectacarus* sp.

*Distribution* : Nadia.

115. *Cryptacarus dendrisetosus*

Bhattacharya, Bhaduri and Raychaudhuri

*Distribution* : Birbhum.

116. *Cryptacarus schauenbergi* Mahunka

*Distribution* : Birbhum.

117. *Cryptacarus tuberculatus* Csiszar

*Distribution* : North 24 Pgs. and South 24 Pgs.

118. *Haplacarus foliates* Wallwork

*Distribution* : Darjiling, Haora and Jalpaiguri (Jainti).

119. *Haplacarus foliatus bengalensis*

Bhattacharya, Bhaduri and Raychaudhuri

*Distribution* : Birbhum and South 24 Pgs.

120. *Javacarus kuhneli* Balogh

*Distribution* : Birbhum.

121. *Lahmannia javana* Balogh

*Distribution* : North 24 Pgs.

122. *Millotacarus indicus* Sanyal

*Distribution* : Jalpaiguri (Rajabhatkhawa forest).

123. *Papillacarus hirsutus* (Aoki)

*Distribution* : Birbhum.

124. *Papillacarus simplirostratus*

Bhattacharya, Bhaduri and Raychaudhuri

*Distribution* : Birbhum.

125. *Paulianacarus foliatus* Mondal and

Chakrabarti

*Distribution* : Darjiling.

Family MALACONOTHRIDAE

126. *Malacothrus assamensis*

Chakrabarti and Roy Talukdar

*Distribution* : Birbhum.

127. *Malacothrus geminus* Hammer

*Distribution* : Darjiling and South 24 Pgs.

128. *Trimalaconothrus cajamarcensis*

Hammer

*Distribution* : Kolkata and Nadia.

Family MESOPLOPHORIDAE

129. *Apoplophora pantotrema* (Berlese)

*Distribution* : Darjiling.

130. *Mesoplophora* sp.

*Distribution* : Birbhum.

Family METRIOPPIDAE

131. *Ceratoppia bipilis* Hermann

*Distribution* : Darjiling.

Family MICROTEGEIDAE

132. *Microtegeus globifer* Mahunka

*Distribution* : Jalpaiguri (Atiabari, Moraghat).

133. *Microtegeus reticulatus* Aoki

*Distribution* : Kolkata and Jalpaiguri (Jaldacha).

134. *Microtegeus sabahnus* Mahunka

*Distribution* : Darjiling (Matigara, Balasun).

Family MICROZETIDAE

135. *Berlesezetes auxiliaries* (Grandjean),

*Distribution* : Darjiling and Nadia.

136. *Berlesezetes auxiliaris*

*appalachicola* (Jacot)

*Distribution* : North 24 Pgs. and Nadia.

137. *Berlesezetes peruensis* (Hammer)

*Distribution* : Kolkata.

Family MOCHLOZETIDAE

138. *Podoribates* sp.

*Distribution* : Kolkata.

139. *Unguizetes clavatus* Aoki

*Distribution* : North 24 Pgs. and Darjiling (Sansing, Kalimpong, Kirnakhola, Rangpoo-Kalimpong).

140. *Unguizetes* sp.

*Distribution* : North 24 Pgs. and Nadia.

Family MYCOBATIDAE

141. *Punctoribates longiporosus* Balogh

*Distribution* : Murshidabad (Lalbagh).

Family NANHERMANNIIDAE

142. *Cyrthermannia quadricornuta*

Chakrabarti and Bhaduri

*Distribution* : North 24 Pgs. and Nadia.

143. *Cyrthermannia vicinicornuta* Aoki

*Distribution* : Birbhum and Nadia.

144. *Masthermannia mammallis*

Berlese

*Distribution* : North 24 Pgs., Darjiling (Chitra), Nadia and Jalpaiguri (Birpara).

145. *Masthermannia* sp.

*Distribution* : Darjiling (Sandakphu).

146. *Nanhermannia himalayensis*

Chakrabarti and Raychaudhuri

*Distribution* : Darjiling.

147. *Nanhermannia thaiensis* Aoki

*Distribution* : Darjiling and Jalpaiguri (Koch Bihar, Dalgaon).

Family HERMANNIIDAE

148. *Hermannia setiformis* De Wet

*Distribution* : Jalpaiguri (Lataguri, Jainti).

Family NIPPOBODIDAE

149. *Leobodes mirabilis* Aoki

*Distribution* : Darjiling and Jalpaiguri (Ramsai).

Family NOTHRIDAE

150. *Nothrus biciliatus* Koch

*Distribution* : Darjiling.

151. *Nothrus gracilis* Hammer

*Distribution* : Darjiling (Sandakphu, Mirik).

152. *Nothrus oblongus* Hammer

*Distribution* : Darjiling.

153. *Nothrus* sp.

*Distribution* : Darjiling (Happy Vally Tea Estate, Sandhakphu).

Family OPPIIDAE

154. *Brachioppia ananthakrishni*

Sanyal and Bhaduri

*Distribution* : South 24 Pgs. and Darjiling.

155. *Brachioppia cajamarcensis*

Hammer

*Distribution* : Darjiling (Happy Vally Tea Estate).

156. *Brachioppia cuscensis* Hammer

*Distribution* : North 24 Pgs. and Birbhum (Suri).

157. *Brachioppia* sp.

*Distribution* : Birbhum.

158. *Interoppia mirabilis* Mahunka

*Distribution* : Jalpaiguri (Raja Tea Estate, Banarhat)

159. *Lanceoppia* sp.

*Distribution* : Birbhum.

160. *Lasiobelba suchetae* Sanyal

*Distribution* : Birbhum (Nanur).

161. *Multioppia radiata* Hammer

*Distribution* : Hugli.

162. *Multioppia simplitricha* Sanyal and

Bhaduri

*Distribution* : South 24 Pgs.

163. *Multioppia* sp.

*Distribution* : Birbhum.

164. *Multioppia stellifera* Hammer

*Distribution* : North 24 Pgs., Birbhum and Nadia.

165. *Neoppia minuta* Bhattacharya and

Banerjee

*Distribution* : Birbhum.

166. *Oppia cryptomeriae* Mondal and

Kundu

*Distribution* : Darjiling and Jalpaiguri (Dalgaon, Banarhat)

167. *Oppia nodosa* Hammer

*Distribution* : Birbhum.

168. *Oppia orientalis* Sanyal and Bhaduri

*Distribution* : South 24 Pgs.

169. *Oppia ramisetosa* Sanyal and Bhaduri

*Distribution* : South 24 Pgs.

170. *Oppia yodai* Aoki

*Distribution* : Birbhum (Suri, Santiniketan, Kendua), Darjiling (East of Sukna, Mirik, Botanical Garden), Haora (Botanical Garden-Sibpur, Uluberia), Hugli (Arambagh), Medinipur (Belphari, Jitsol, Nandigram), Nadia (Krishnanagar, Choudhuripara) and South 24 Pgs.

171. *Oppia* sp.

*Distribution* : South 24 Pgs., Kolkata.

172. *Oppiella nova* (Oudemans)

*Distribution* : Darjiling.

173. *Oxyoppia spiculifera* Mahunka

*Distribution* : Jalpaiguri (Lataguri, Moraghat).

174. *Paroppia* sp.

*Distribution* : Birbhum.

175. *Ramusella* sp.

*Distribution* : Birbhum.

176. *Solenoppia* sp.

*Distribution* : Birbhum.

177. *Striatoppia machadoi* Balogh

*Distribution* : Kolkata and Nadia (Choudhuri para, Krishnanagar).

178. *Quadroppia* sp.

*Distribution* : Darjiling (Sandakphu).

179. *Striatoppia niliaca* (Popp)

*Distribution* : Kolkata.

Family ORIBATULIDAE

180. *Eporibatula* sp.

*Distribution* : Birbhum.

181. *Euscheloribates samsinaki* Kumar

*Distribution* : South 24 Pgs.

182. *Euscheloribates* sp.

*Distribution* : South 24 Pgs.

183. *Hammerabates trisetosus* Balogh

*Distribution* : Dinajpur (Dhangra, Raigunj).

184. *Incabates nudus* Hammer

*Distribution* : Kolkata (Joka).

185. *Oribatula* sp.  
*Distribution* : Birbhum.
186. *Oribatula tibialis* (Nicolet)  
*Distribution* : Birbhum.
187. *Scheloribates praeincisus* (Berlese)  
*Distribution* : Birbhum, Darjiling (East of Sukna forest) and Maldah (Adina forest).
188. *Scheloribates curvialatus* Hammer  
*Distribution* : Darjiling.
189. *Scheloribates huyancayensis*  
Hammer  
*Distribution* : Birbhum (Nanur), Darjiling (Kalimpong, Teestabazar, Rangpoo forest rest house campus), Jalpaiguri (Pathakpara, Birpara, Gairkhata).
190. *Scheloribates indicus* Sanyal  
*Distribution* : South 24 Pgs. (Namkhana).
191. *Scheloribates luminosus* Hammer  
*Distribution* : Darjiling (Happy Vally Tea Estate).
192. *Scheloribates natalensis* Pletzen  
*Distribution* : South 24 Pgs., Haora (Amta), Hugli (Arambagh), Jalpaiguri (Rajabhatkhawa, Alipurduar), Koch Bihar (Dinhata, Boro Boalmari, Jambari), Maldah (Gaur, Ramkeli), Medinipur (Chilkigarh).
193. *Scheloribates parvus* Pletzen  
*Distribution* : South 24 Pgs. (Joka), Darjiling (East of Sukna forest), Haora (Uluberia), Jalpaiguri (Rajabhatkhawa Alipurduar, Kalchini), Koch Bihar (Dinhata C.T.R.I. campus), Maldah (Gaur, Ramkeli), Murshidabad (Lalbagh), West Dinajpur (Raigunj, Subhashgunj).
194. *Scheloribates rakhali* Sanyal  
*Distribution* : South 24 Pgs. (Frazergunj, Sagar Island, Kakdeep).
195. *Scheloribates rectus* Hammer  
*Distribution* : Darjiling (Happy Vally Tea Estate).
196. *Scheloribates thermophilus* Hammer  
*Distribution* : South 24 Pgs. (Joka), Barddhaman.
197. *Scheloribates albialatus* Hammer  
*Distribution* : South 24 Pgs. (Joka), Bankura (Bankura town, Nuntanchati, Bishnupur, Rajdarbar), Barddhaman (Katwa), Birbhum, Darjiling (Kalimpomg, Kumani, Kuapani, Nayakaman, Jorebangla, Botanical Garden, Panitanki), Haora (Amta), Hugli (Jairambati), Jalpaiguri (Rajabhatkhawa, Alipurduar, Netaji road), Koch Bihar (Dinhata, Gosanimari), Medinipur (Chandipur, Patharkumkumi), Murshidabad (Lalbagh), Nadia (Choudhuripara, Krishnanagar), Puruliya (Irrigation bunglow campus, Raghunathpur, Nandwara, Jhalda Mayasaravar) and Dinajpur (Dhangra, Raigunj).
198. *Scheloribates bhaduri* Sanyal  
*Distribution* : South 24 Pgs. (Namkhana).
199. *Scheloribates* sp.  
*Distribution* : Medinipur.
200. *Zygoribatula gracilata* Grobler and Kok  
*Distribution* : Jalpaiguri (Binaguri, Banarhat).
201. *Zygoribatula longiporosa* Hammer  
*Distribution* : Birbhum.
202. *Zygoribatula* sp.  
*Distribution* : Maldah and Medinipur.
203. *Zygoribatula tortilis* Hammer  
*Distribution* : Darjiling and Jalpaiguri (Banarhat).
- Family OTOCEPHEIDAE
204. *Dolicheremaeus bengalensis* Sanyal  
*Distribution* : Darjiling (Jorebangla) and South 24 Pgs.
205. *Dolicheremaeus coronarius*  
Chakrabarti, Bhaduri and Kundu  
*Distribution* : Darjiling and South 24 Pgs.
206. *Dolicheremaeus geminus* Mondal and Kundu  
*Distribution* : Darjiling.



207. ***Dolicheremaeus himalayensis***  
Chakrabarti, Bhaduri and Kundu  
*Distribution* : Darjiling.
208. ***Dolicheremaeus nepalensis*** Aoki  
*Distribution* : Darjiling.
209. ***Dolicheremaeus russiaes*** Mondal,  
Kundu and Roy  
*Distribution* : Darjiling (Ghum, Sonada,  
Kurseong, Sukna, Mohurgong).
210. ***Solichunus speciosus*** (Pearce)  
*Distribution* : Darjiling (Sandakphu).
211. ***Eurostocepheus (Eurostocepheus)***  
***mahunki*** Mondal and Kundu  
*Distribution* : Darjiling (Tonglu, Ghum,  
Sukiapokhri, Teesta, Sonada).
212. ***Pseudotocepheus contractus***  
Grobler  
*Distribution* : Jalpaiguri (Atlabari, Binaguri).
213. ***Pseudotocepheus gobletus***  
Chakrabarti and Mondal  
*Distribution* : Darjiling.
214. ***Pseudotocepheus hammerae***  
Chakrabarti and Kundu  
*Distribution* : North 24 Pgs.
215. ***Pseudotocepheus orientalis*** Mondal  
and Kundu  
*Distribution* : Darjiling.
216. ***Megalotocepheus undulates*** Hammer  
*Distribution* : Jalpaiguri (Patkapara,  
Birpara).
217. ***Megalotocepheus aokii*** Mondal and  
Kundu  
*Distribution* : Darjiling (Sukiapokhri, Tukvar,  
Mim).
218. ***Megalotocepheus bengalensis***  
Mondal and Kundu  
*Distribution* : Darjiling (Tonglu, Sonada).
219. ***Megalotocepheus darjeelingensis***  
Mondal and Kundu  
*Distribution* : Darjiling (Tonglu, Lebong,  
Lopchu).
220. ***Plenotocepheus verrucosus*** Grobler  
*Distribution* : Jalpaiguri (Kalchini,  
Moraghat).
221. ***Lophotocepheus simplex*** Balogh and  
Balogh  
*Distribution* : Jalpaiguri (Birpara, Jainti).
222. ***Spinotocepheus foveolatus*** Hammer  
*Distribution* : Jalpaiguri (Dalgam, Banarhat).  
Family PARAKALUMMIDAE
223. ***Protokalumma*** sp.  
*Distribution* : Medinipur.  
Family PELOPIDAE
224. ***Eupelops acromis minor***  
Chakrabarti, Bhaduri and Raychaudhuri  
*Distribution* : Nadia.
225. ***Eupelops longisetosus*** Chakrabarti  
and Mondal  
*Distribution* : Darjiling.
226. ***Eupelops foveolatus*** Engelbrecht  
*Distribution* : Darjiling (Makaibari,  
Lohagrah).  
Family AUSTRACHTERIIDAE
227. ***Lamellobates angolensis*** Balogh  
*Distribution* : Kolkata.
228. ***Lamellobates hauseri*** Mahunka  
*Distribution* : Bankura, Birbhum, Darjiling  
(East of Sukna forest), Maldah (Adina forest),  
Murshidabad (Lalgola), Puruliya (Matha,  
Rajdarbar, Bishnupur town) and West Dinajpur  
(Subhasgunj, Raigunj).
229. ***Lamellobates palustris*** Hammer  
*Distribution* : Birbhum, Barddhaman,  
Kolkata, Darjiling, Jalpaiguri (Atiabari,  
Moraghat), North 24 Pgs. and South 24 Pgs.  
(Joka).
230. ***Lamellobates (L.) molecula***  
***molecula*** Berlese  
*Distribution* : Darjiling (Sandakphu).
231. ***Lamellobates*** sp.  
*Distribution* : Barddhaman and Kolkata.
232. ***Oribatella meridionalis*** (Berlese)  
*Distribution* : Darjiling and Jalpaiguri  
(Lataguri).

233. ***Paralamellobates bengalensis***  
Bhaduri and Raychaudhuri  
*Distribution* : South 24 Pgs. (Joka), Birbhum, Darjiling (Chitra), Murshidabad (Lalgola, Lalbagh) and Dinajpur (Subhasgunj, Raigunj), North 24 Pgs.
234. ***Paralamellobates schoutedeni***  
(Balogh)  
*Distribution* : Medinipur.
235. ***Paralamellobates* sp.**  
*Distribution* : Birbhum.
236. ***Parahypozetes orientalis*** Mondal and Kundu  
*Distribution* : Jalpaiguri (Kalchini, Moraghat, Karala, Chalsa).
237. ***Parahypozetes grandis*** Hammer  
*Distribution* : Jalpaiguri (Lataguri).  
Family PHTHIRACARIDAE
238. ***Apoplophora (Hoplophorella) aokii*** Mondal, Kundu and Roy  
*Distribution* : Darjiling (Lopchu, Senchal, Tonglu).
239. ***Apoplophora (Hoplophorella) africana*** Wallwork  
*Distribution* : Bardhaman, Darjiling and Medinipur (Egra).
240. ***Apoplophora (Hoplophorella) scapellata*** Aoki  
*Distribution* : South 24 Pgs., Birbhum (Suri), Darjiling, Hugli (Kamarpukur) and Medinipur (Chaulkhola).
241. ***Apoplophora (Hoplophorella) singularis*** Sellnick  
*Distribution* : Darjiling.
242. ***Apoplophora (Hoplophorella) vitrina*** (Berlese)  
*Distribution* : Darjiling (Sandakphu).
243. ***Apoplophora (Hoplophorella) sundarbaneni*** Sanyal and Bhandari  
*Distribution* : South 24 Pgs.
244. ***Apoplophora (Hoplophorella)* sp.**  
*Distribution* : South 24 Pgs., Birbhum and Kolkata.
245. ***Apoplophora (Hoplophorella)***  
Sanyal and Bhaduri  
*Distribution* : South 24 Pgs.
246. ***Hoplophthiracarus bengalensis***  
sp.nov.  
*Distribution* : Birbhum (Suri).
247. ***Hoplophthiracarus foveolatus*** Aoki  
*Distribution* : Jalpaiguri (Banarhat, Birpara).
248. ***Hoplophthiracarus pakistanensis***  
(Hammer)  
*Distribution* : Darjiling.
249. ***Hoplophthiracarus punctatus***  
Mondal and Kundu  
*Distribution* : Darjiling.
250. ***Hoplophthiracarus tropicus***  
Mondal and Kundu  
*Distribution* : Darjiling (Sandakphu) and Jalpaiguri (Banarhat)
251. ***Steganacarus stilifer*** Hammer  
*Distribution* : Darjiling.
252. ***Steganacarus ventosus*** Hammer  
*Distribution* : Darjiling.
253. ***Phthiracarnus (P.) clariger*** (Pearee)  
*Distribution* : Darjiling (Sandakphu).  
Family PLASMOBATIDAE
254. ***Plasmobates pagoda*** Grandjean  
*Distribution* : Koch Bihar.  
Family PLATEREMAEIDAE
255. ***Plateremaeus* sp.**  
*Distribution* : North 24 Pgs.
256. ***Plateremaeus rotundatus*** Berlese  
*Distribution* : North 24 Pgs.  
Family SPHAEROCHTHONIIDAE
257. ***Sphaerochthonius bengalensis***  
Sanyal and Sengupta  
*Distribution* : Murshidabad.

258. *Sphaerochthonius* sp.

*Distribution* : Birbhum.

Family SUCTOBELBIDAE

259. *Flagrosuctobelba flabella* Mondal

*Distribution* : Darjiling and Jalpaiguri (Binaguri).

260. *Rhynchobelba* sp.

*Distribution* : Darjiling (Sandakphu).

261. *Suctobelba elegantula* (Hammer)

*Distribution* : Birbhum and Kolkata.

262. *Suctobelba insulana* Hammer

*Distribution* : Jalpaiguri (Dalgaon, Banarhat).

263. *Suctobelba ponticulus* Hammer

*Distribution* : Kolkata and Nadia.

264. *Suctobelba quadricarinata*  
(Hammer)

*Distribution* : North 24 Pgs. and Haora (Amta).

265. *Suctobelba subcornigera* Forsslund

*Distribution* : Darjiling.

266. *Suctobelba variosetosa* Hammer

*Distribution* : North 24 Pgs.

267. *Suctobelbella nondivisa* (Hammer)

*Distribution* : Darjiling.

268. *Suctobelbella* sp.

*Distribution* : Birbhum.

269. *Suctobelbilla dentata* (Hammer)

*Distribution* : Kolkata.

Family MACHADOBELBIDAE

270. *Machadobelba baloghi* Mondal and Kundu

*Distribution* : Jalpaiguri (Moraghat, Banarhat, Dalgaon).

Family OXYAMERIDAE

271. *Oxyamerus himalayensis* Mondal and Kundu

*Distribution* : Darjiling (Chandmari, Sevoke, Sukna, New Chumta).

Family TECTOCEPHEIDAE

272. *Tectocephus sarekensis* Tragardh  
*Distribution* : Birbhum and Darjiling (Chitra).273. *Tectocephus velatus* (Michael)

*Distribution* : Barddhaman, Birbhum, Kolkata (Joka), Haora (Sibpur Botanical Garden), Jalpaiguri (Rajabhatkhawa, Alipurduar), Medinipur (Junput), Murshidabad (Lalgola town), Dinajpur (Dhangra, Raigunj), Darjiling (Sandakphu) and South 24 Pgs.

274. *Tectocephus* sp.

*Distribution* : Birbhum, Darjiling (Happy Valley Tea Estate, Sandakphu) and South 24 Pgs.

Family TRHYPOCHTHONIIDAE

275. *Allonothrus indicus* Bhaduri and Raychaudhuri

*Distribution* : Kolkata, Medinipur (Jamshadpur), Nadia (Krishnanagar) and North 24 Pgs.

276. *Allonothrus monodactylous*  
Wallwork

*Distribution* : Barddhaman, Birbhum (Nanur), Kolkata and North 24 Pgs.

277. *Allonothrus russeolus* Wallwork

*Distribution* : Birbhum, Kolkata, Darjiling (Rangpoo) and Haora (Uluberia).

278. *Archezogetes longisetosus* Aoki

*Distribution* : Birbhum (Suri), Darjiling (Kalimpong), Hugli (Arambagh) and Medinipur (Junput).

279. *Archezogetes magna* (Sellinck)

*Distribution* : North 24 Pgs., Barddhaman, Puruliya (Matha) and Birbhum.

280. *Archezogetes magna indicus*  
Bhaduri and Raychaudhuri

*Distribution* : Kolkata.

281. *Archezogetes* sp.

*Distribution* : Darjiling (Samsing Tea Estate).

Family ZETORCHESTIDAE

282. *Zetorchestes saltator* Oudemans

*Distribution* : Darjiling (East of Sukna forest, Chitra), Jalpaiguri (Rajabhatkhawa, Alipurduar) and Dinajpur (Gosaimari, Jambari, Dinjata).

**ACARI : MITE : MESOSTIGMATA**

Phylum ARTHROPODA  
 Class ACARI  
 Order MESOSTIGMATA  
 Family PHYTOSEIIDAE

**1. *Amblyseius (Amblyseius)******channabasavanni*** Gupta & Daniel

*Distribution* : Jalpaiguri, Murshidabad (Jiaganj) and Koch Bihar.

**2. *Amblyseius (Amblyseius) herbicolus***  
(Chant)

*Distribution* : Puruliya (Jhalda), Darjiling (Samsing Tea Estate, Chalsa, Khumani, Kalimpong, Dolabchand fruit garden, Botanical Garden, Manebhanjang, Sukna), Koch Bihar (Chelapather), Jalpaiguri (Rajabhatkhawa, Alipurduar, Jainti hills) and Murshidabad (Baharampur).

**3. *Amblyseius (Amblyseius) largoensis***  
(Muma)

*Distribution* : Darjiling (Sarbari garden, Samsing Tea Estate, Botanical Garden, Kalimpong), Koch Bihar (Gosainimari), Bankura (Chatna), Hugli, North 24 Pgs., Maldah (State Agril. Farm, Pyasbari), Dinajpur (Raigunj, Dalkhola), Medinipur (Garbeta, Jhargram, Fekoghat), Puruliya (Bagmundi), Jalpaiguri (Alipurduar, Rajabhatkhawa, Jaldarapara sanctuary, Jainti hills), Barddhaman (Khana), Murshidabad (Kandi) and South 24 Pgs. (Canning central soil salinity research centre, Gosaba, Basanti, Sajnakhali, Kakdwip, Diamond Harbour).

**4. *Amblyseius (Amblyseius) neorykei***  
Gupta

*Distribution* : Medinipur (Jhargram) and Darjiling.

**5. *Amblyseius (Amblyseius) shoreae***  
Gupta

*Distribution* : Medinipur.

**6. *Amblyseius (Euseius) alstoniae*** Gupta

*Distribution* : Darjiling (Kalimpong), South 24 Pgs. (Basanti), Medinipur (Jhargram, Belpahari), Bankura (Susunia, Bishnupur) and

Puruliya (Tantipukur, Puruliya town, Pancha, Manbazar, Bagmundi).

**7. *Amblyseius (Euseius) bambusae*** Ghai & Menon

*Distribution* : Darjiling (Samsing).

**8. *Amblyseius (Euseius) coccineae*** Gupta

*Distribution* : Medinipur (Jhargram), Darjiling (Samsing, Sukna), Jalpaiguri (Alipurduar, Jainti hills), Bankura (Jaipur forest), Dinajpur (Raigunj), Maldah (Pyasbari, Adina forest), Koch Bihar (Chelapather), South 24 Pgs. (Gosaba, Basanti, Sajnakhali, Kakdwip), Puruliya (Hura) and Murshidabad (Lalgola, Jaigunj, Kandi).

**9. *Amblyseius (Euseius) coccocius***  
Ghai & Menon

*Distribution* : Maldah.

**10. *Amblyseius (Euseius) delhiensis***  
(Narayanan & Kumar)

*Distribution* : Medinipur (Jhargram, Belpahari).

**11. *Amblyseius (Euseius) finlandicus***  
(Oudemans)

*Distribution* : Murshidabad (Baharampur), Medinipur (Jhargram, Medinipur town), Maldah (Pyasbari, Adina forest), Darjiling (Naxalbari, Chalsa), Bankura (Bishnupur), Birbhum (Suri) and South 24 Pgs. (Gosaba, Kakdwip).

**12. *Amblyseius (Euseius) ovalis*** (Evans)

*Distribution* : Medinipur (Jhargram, Kanthi, Fekoghat, Medinipur town), Murshidabad (Kandi), South 24 Pgs. (Kakdwip, Namkhana) and Darjiling (Sukna, Naxalbari).

**13. *Amblyseius (Euseius) pruni*** Gupta

*Distribution* : Jalpaiguri (Alipurduar), Puruliya, Darjiling (Samsing, Chalsa, Kalimpong, Agril. Farm), Murshidabad (Lalgola), Dinajpur (Dalkhola), South 24 Pgs. (Gosaba) and Medinipur (Jhargram).

**14. *Amblyseius (Euseius) rhododendronis*** Gupta

*Distribution* : Darjiling (Sukna, Naxalbari) and Jalpaiguri (Alipurduar Jainti hills).

15. ***Amblyseius (Euseius) sacchari*** Ghai & Menon  
*Distribution* : Murshidabad (Kandi) and Darjiling (Botanical garden).
16. ***Amblyseius (Euseius) ahaioensis*** Gupta  
*Distribution* : Maldah (Ahaio).
17. ***Amblyseius (Neoseiulus) aceriae*** Gupta  
*Distribution* : Maldah.
18. ***Amblyseius (Neoseiulus) indicus*** (Narayanan & Kaur)  
*Distribution* : Hugli.
19. ***Amblyseius (Neoseiulus) fallacis*** (Garman)  
*Distribution* : North 24 Pgs. and South 24 Pgs.
20. ***Amblyseius (Neoseiulus) longispinosus*** (Evans)  
*Distribution* : Barddhaman (Khana) and Puruliya (Manbazar).
21. ***Amblyseius (Neoseiulus) paspalivorus*** (De Leon)  
*Distribution* : Darjiling and South 24 Pgs. (Basanti).
22. ***Amblyseius (Paraphytoseius) multidentatus*** (Swirski & Shechter)  
*Distribution* : Maldah (Ahaio), Darjiling (Naxalbari), Bankura (Tantipukur), Koch Bihar (Chelapather), Jalpaiguri, (Jaldapara sanctuary, Alipurduar), South 24 Pgs. and Medinipur (Garbeta, Kanthi).
23. ***Amblyseius (Proprioseiopsis) peltatus*** Vander Merwe  
*Distribution* : Jalpaiguri.
24. ***Amblyseius (Typhlodromalus) kalimpongensis*** Gupta  
*Distribution* : Jalpaiguri (Alipurduar), Darjiling, Medinipur (Jhargram, Belpahari), Puruliya (Punch, Matha) and Birbhum (Suri).
25. ***Amblyseius (Typhlodromalus) rosica*** Gupta  
*Distribution* : Darjiling (Sarbari Garden).
26. ***Amblyseius (Typhlodromips) crotalariae*** Gupta  
*Distribution* : Jalpaiguri (Jaldapara sanctuary, Rajabhatkhawa), Darjiling (Kalimpong Agril. farm, Mirik, Naxalbari).
27. ***Amblyseius (Typhlodromips) officinaria*** Gupta  
*Distribution* : Hugli and North 24 Pgs.
28. ***Amblyseius (Typhlodromips) polyantheae*** Gupta  
*Distribution* : Darjiling (Manebhanjang, Sarbari garden) and North 24 Pgs.
29. ***Amblyseius (Typhlodromips) potentillae*** (Garman)  
*Distribution* : Nadia, Kolkata, Haora and Bankura.
30. ***Amblyseius (Typhlodromips) suknaensis*** Gupta  
*Distribution* : South 24 Pgs. (Diamond Harbour), Murshidabad (Kandi, Baharampur), Maldah (Maldah town, Ahaio), Darjiling (Kalimpong, Naxalbari), Jalpaiguri (Alipurduar), Puruliya (Jhalda), Medinipur (Jhargram) and Koch Bihar (Chelapather).
31. ***Amblyseius (Typhlodromips) sjiensis*** Gupta  
*Distribution* : Jalpaiguri.
32. ***Amblyseius (Typhlodromips) syzygii*** Gupta  
*Distribution* : Jalpaiguri (Alipurduar, Buxa forest), Maldah (Pyasbari), Medinipur (Garbeta, Jhargram) and Murshidabad (Lalgola).
33. ***Indoseiulus ricini*** (Ghai & Menon)  
*Distribution* : Nadia (Krishnanagar).
34. ***Iphiseius andamanicus*** Gupta  
*Distribution* : South 24 Pgs. (Sajnakhali, Sudhanyakhali).
35. ***Paraamblyseius fragariae*** Gupta  
*Distribution* : Darjiling.
36. ***Paraamblyseius mumai*** Gupta  
*Distribution* : Darjiling (Khumani, Botanical Garden, Manebhanjang) and Murshidabad (Lalgola).

37. ***Phytoseius (Pennaseius) kapuri***  
Gupta

*Distribution* : Darjiling (Kalimpong), Medinipur (Medinipur town, Contai), Dinajpur (Dalkhola), Bankura (Jairambati, Bishnupur), Murshidabad (Jiyagunj) South 24 Pgs. (Gosaba) and Birbhum (Suri).

38. ***Phytoseius (Pennaseius) minutus***  
Narayanan, Kaur & Ghai

*Distribution* : Haora.

39. ***Phytoseius (Phytoseius) crinitus***  
Swirski & Shechter

*Distribution* : Darjiling (Samsing Tea Estate, Chalsa, Khumani).

40. ***Phytoseius (Phytoseius) indicus***  
Bhattacharya

*Distribution* : South 24 Pgs. and Haora.

41. ***Phytoseius (Phytoseius) intermedius***  
Evans & Macfarlane

*Distribution* : Darjiling.

42. ***Phytoseius (Phytoseius) macropilis***  
(Banks)

*Distribution* : Darjiling (Samsing Tea Estate) and South 24 Pgs.

43. ***Phytoseius (Phytoseius) meyeræ***  
Gupta

*Distribution* : Darjiling (Kalimpong).

44. ***Phytoseius (Phytoseius) rachelæ***  
Swirski & Shechter

*Distribution* : Darjiling (Samsing).

45. ***Phytoseius (Phytoseius) roseus*** Gupta  
*Distribution* : Jalpaiguri (Alipurduar) and Puruliya (Matha).

46. ***Phytoseius (Phytoseius) swirskii***  
Gupta

*Distribution* : Bardhaman.

47. ***Phytoseius (Phytoseius) maldahhaensis*** Gupta

*Distribution* : Maldah (Maldah Agril. Farm).

48. ***Typhlodromus (Amblydromella) arunachalensis*** Gupta

*Distribution* : Darjiling (Samsing).

49. ***Typhlodromus (Amblydromella) darjeelingensis*** Gupta

*Distribution* : Koch Bihar (Gossanimari), Darjiling (Samsing, Botanical Garden, Naxalbari), Murshidabad (Lalgola), Maldah (Ahio), Medinipur (Jhargram) and Jalpaiguri (Alipurduar, Jainti hills).

50. ***Typhlodromus (Amblydromella) fleschneri*** Chant

*Distribution* : Bankura (Tatipukur) and North 24 Pgs.

51. ***Typhlodromus (Amblydromella) homalii*** Gupta

*Distribution* : Kolkata.

52. ***Typhlodromus (Amblydromella) persicus*** Gupta

*Distribution* : Darjiling (Kalimpong).

53. ***Typhlodromus (Anthoseius) majumderi*** Gupta

*Distribution* : Nadia.

54. ***Trphlodromus (Orientiseius) hadii***  
Chaudhuri

*Distribution* : Darjiling (Mirik).

55. ***Typhlodromus (Orientiseius) pruni***  
Gupta

*Distribution* : Darjiling (Chalsa).

56. ***Typhlodromus (Typhlodromus) communis*** Gupta

*Distribution* : Jalpaiguri (Alipurduar), Darjiling, Maldah (State Agril. Farm) and South 24 Pgs.

57. ***Typhlodromus (Typhlodromus) neorhenanus*** Gupta

*Distribution* : Darjiling (Naxalbari).

Family DIGAMASELLIDAE

58. ***Digamasellus*** sp.

*Distribution* : Darjiling (Samsing).

Family AMEROSEIIDAE

59. ***Neocypholaelaps stridulans*** (Evans)

*Distribution* : North 24 Pgs.

60. *Klemania* sp.*Distribution* : Hugli.

Family ASCIDAE

61. *Lasioseius* sp.*Distribution* : Murshidabad (Lalgola), Haora (Botanical Garden) and North 24 Pgs. (Barrackpur jute research farm).62. *Proctolaelaps* sp.*Distribution* : South 24 Pgs. (Sajnakhali).

Family MACROCHELIDAE

63. *Marcrocheles glaber* Muller*Distribution* : Darjiling (Happy Valley Tea Estate).

Family LAELAPIDAE

64. *Gymnolaelaps* sp.*Distribution* : Darjiling (Happy Valley Tea Estate).

Family UROPODIDAE

65. *Trichouropoda* sp.*Distribution* : Darjiling (Happy Valley Tea Estate).

Family PARASITIDAE

66. *Parasitus assamensis* Bhattacharyya*Distribution* : Darjiling (Happy Valley Tea Estate).

**MYRIAPODA : DIPLOPODA**

Superclass MYRIAPODA  
 Class DIPLOPODA (MILLIPEDES)  
 Order SPHAEROTHERIIDA  
 Family SPHAEROTHERIDAE

1. ***Zephronia manca*** Attems

*Distribution* : Darjiling (Kurseong).

2. ***Zephronia debilis*** Attems

*Distribution* : Darjiling.

3. ***Zephronia nigrinola*** Butt

*Distribution* : Darjiling (Jorpokhri).

4. ***Zephronia tumida*** var. ***nigrinota***

*Distribution* : Darjiling.

5. ***Zephronia alticola*** Attems

*Distribution* : Darjiling.

6. ***Zephronia tigrinoides*** Silv.7. ***Zephronia hirta*** Attems

*Distribution* : Darjiling (Sureil).

8. ***Kophosphaera excavate mammifera***  
Attems

*Distribution* : Darjiling (Sureil).

9. ***Kophosphaera politissima*** Attems

*Distribution* : Darjiling (Kurseong, Sureil).

10. ***Kophosphaera devolvens*** Attems

*Distribution* : Darjiling (Sureil).

11. ***Kophosphaera brevilamina*** (Silv.)

*Distribution* : (Siliguri, Kurseong).

Family STRONGYLOSOMIDAE

12. ***Streptogonopus phipsoni*** (Poc.)

*Distribution* : Haora (Botanical Garden, Shibpur).

13. ***Kronopolites spiniger*** Attems

*Distribution* : Darjiling (Kurseong, Pashok, Kalijhora) and Haora.

14. ***Anoplodesmus saussurei***  
(Humb.)

*Distribution* : Hugli.

15. ***Anoplodesmus Unicolor*** Attems

*Distribution* : Darjiling (Kurseong).

Family HARPAGOPHORIDAE

16. ***Thyroglutus probus*** Attems

*Distribution* : Darjiling (Mungphu).

17. ***Thyroglutus repertus*** Attems

*Distribution* : Darjiling (Pashok).

18. ***Gongylorrhhus sulcatus*** Attems

*Distribution* : Darjiling (Ghum).

19. ***Gongylorrhhus gracilis***  
Attems

*Distribution* : Darjiling (Pashok).

Order SPIROBOLIDA

Family SPIROBOLIDAE

20. ***Physobolus olivaceus***  
Attems

*Distribution* : Darjiling (Pashok).

Order SIPHONOPHORIDA

Family SIPHONOPHORIDAE

21. ***Siphonophora coniceps***  
Attems

*Distribution* : Darjiling (Pashok).

22. ***Siphonophora cingulata***  
Attems

*Distribution* : Darjiling (Pashok).



**MYRIAPODA : CHILOPODA**

Superclass MYRIAPODA

Class CHILOPODA (CENTIPEDES)

Order SCOLOPENDIOMORPHA

Family SCOLOPENDRIDAE

1. ***Scolopendra morsitans*** Linn.

*Distribution* : Darjiling.

2. ***Scolopendra subspinipes dehaani***  
Brandt

*Distribution* : Kolkata, Hugli (Chuchura, Serampur, North 24 Pgs. (Barrackpore), Darjiling (Siliguri, Punkhabari).

3. ***Cormocephalus dentipes*** Pocock

*Distribution* : All districts.

4. ***Cormocephalus pygmaeus*** Pocock

*Distribution* : Darjiling (Siliguri, Punkhabari).

5. ***Otostigmus insularis*** Haase

*Distribution* : Not known.

6. ***Otostigmus politus*** Karsch

*Distribution* : Darjiling.

7. ***Rhysida afra cuprea*** Kraepallin

*Distribution* : Darjiling.

8. ***Rhysida longipes longipes*** (New Port)

*Distribution* : Kolkata, Barddhaman (Ranigunj).

9. ***Ethmostigmus pygomegas***  
(Kohlransch)

*Distribution* : Darjiling.

## PHORONIDA

Phylum PHORONIDA

1. *Phoronis bhadurii* Ganguly and Majumdar

*Distribution* : Medinipur (Digha beach).

## BRACHIOPODA

Phylum BRACHIOPODA

Class INARTICULATA

Family LINGULIDAE

1. *Lingula anatina*

*Distribution* : Medinipur (Digha Mohana, Jalda estuary).

## FRESH WATER BRYOZOA

Phylum BRYOZOA  
 Class GYMNOLAEMATA  
 Order CTENOSTOMATA  
 Family PALUDICELLIDAE

1. ***Victorella benglensis*** Annandale, 1907

*Distribution* : Kolkata (Salt lake).

Family HISLOPIIDAE

2. ***Hislopia lacustris*** Carter, 1858

*Distribution* : Bankura (Aral Bansi, Jamuna Bandh, Bishnupur, Saltora, Sasunia), Maldah (Vaisanavanagar, Patalchandi, Bamongola, Gajal, Manikchak), Barddhaman (Andalgram, Galsi, Tarabag Sayer, Krishnasayer), Hugli (Chinsurah) and Medinipur (Swetpura, Garbeta, Ghatal).

3. ***Hiplopia moniliformis***

Annandale, 1907

*Distribution* : Haora (Bagnan) and Medinipur (Belda, Garbeta).

Class PHYLACTOLAEMATA  
 Order CTENOSTOMATA  
 Family PLUMATELLIDAE

4. ***Plumatella diffusa*** Leidy, 1852

*Distribution* : Bankura (Aral Bansi), Medinipur (Farakka, Keranitolla), Barddhaman (Andalgram, Katwa, Galsi), Maldah (Vishnavnagar), Puruliya (Bagmundi),

Jalpaiguri (Lataguri) and Dinajpur (Karandighi).

5. ***Plumatella emarginata*** Allman, 1844

*Distribution* : Maldah (Gajal), Dinajpur (Karandighi), Nadia (Nabadweep), Murshidabad (Jangipur) and Birbhum (Sainthia).

6. ***Plumatella fruticosa*** Allman, 1844

*Distribution* : Koch Bihar (Toofangunj), Nadia (Krishnanagar), Medinipur (Farakka, Kandi) and Birbhum (Bolpur).

7. ***Plumatella javanica*** Kraepelin, 1906

*Distribution* : Darjiling, Hugli (Janai), Haora (Domjur, Mourigram, Amta), Kolkata and Medinipur.

8. ***Hyalinella punctata*** (Hancock), 1850

*Distribution* : Medinipur (Contai, Gope Garan, Dharma, Garbeta, Ghatal, Kolaghat, Gopiballavpur), Murshidabad (Kandi, Jangipur), Kolkata, Maldah (Bamongola), Bankura (Joyrambati, Susunia), Puruliya (Sahed Bandh, Manbazar, Bagmundi, Ragonathpur) and Jalpaiguri (New Alipurduar).

9. ***Stolella indica*** Annandale, 1909

*Distribution* : Puruliya (Bagmundi), Haora (Shyampur), Birbhum (Sainthia, Bolpur), Barddhaman (Raina), Hugli, Nadia (Durgapur village, Nabadweep, Krishnanagar, Plassey), Bankura (Saltora, Bheduasole, Sussnia) and Kolkata.

## ECHINODERMATA

Phylum ECHINODERMATA

Class ASTEROIDEA

Order PLATYASTERIDA

Family LUIDIIDAE

1. ***Luidia hardwicki*** (Gray)

*Distribution* : South 24 Pgs. (Sandheads).

Order PAXILLOSIDA

Family ASTROPECTINIDAE

2. ***Astropecten euryacanthus*** Luetken

*Distribution* : East Medinipur (Digha) and South 24 Pgs. (Sandheads, Bakkhali).

3. ***Astropecten indicus*** Doederlein

*Distribution* : East Medinipur (Digha) and South 24 Pgs. (Sandheads, Matla river, Sagar Islands).

4. ***Astropecten mauritianus*** Gray

*Distribution* : East Medinipur (Digha).

Order VALVATIDA

Family GONIOPECTINIDAE

5. ***Goniopecten*** sp.

*Distribution* : South 24 Pgs. (Sandheads-Hugli river mouth).

Family GONIASTERIDAE

6. ***Goniodiscaster vallei*** (Koehler)

*Distribution* : East Medinipur (Digha).

7. ***Stellaster equestris*** (Retzius)

*Distribution* : East Medinipur (Digha).

Class OPHIUROIDEA

Order OPHIURIDA

Family AMPHIURIDAE

8. ***Amphioplus (Lymanella) hastatus*** (Ljungman)

*Distribution* : South 24 Pgs. (Sandheads-Hugli river mouth).

9. ***Amphioplus (Lymanella)*** sp.

*Distribution* : South 24 Pgs. (Sandheads).

10. ***Amphiura (Ophiopeltis) tenuis*** (H.L. Clark)

*Distribution* : South 24 Pgs. (Jarkhali, Matla).

Family OPHIACTIDAE

11. ***Ophiactis delagoa*** Balinsky

*Distribution* : East Medinipur (Digha) and South 24 Pgs. (Paremari Matla, Bakkhali, Sagar Island).

12. ***Ophiactis modesta*** Brock

*Distribution* : East Medinipur (Digha) and South 24 Pgs. (Port Canning, Matla).

Family OPHIOTRICHIDAE

13. ***Macrophiothrix longipeda*** (Lamarck)

*Distribution* : East Medinipur (Digha).

14. ***Ophiocnemis marmorata*** (Lamarck)

*Distribution* : South 24 Pgs. (Sandheads HRB) and East Medinipur (Digha).

Order DIADEMATOIDA

Class ECHINOIDEA

Family DIADEMATIDAE

15. ***Chaetodiadema granulatum*** Mortensen

*Distribution* : South 24 Pgs. (Sandheads HRB).

Family TEMNOPLEURIDAE

16. ***Temnopleurus toreumaticus*** (Leske)

*Distribution* : East Medinipur (Digha) and South 24 Pgs. (Sandheads HRB).

Order CLYPEASTEROIDA

Family CLYPEASTERIDAE

17. ***Clypeaster rarispinus*** de Meijere

*Distribution* : South 24 Pgs. (Matla) and East Medinipur (Digha).

Family LAGANIDAE

18. ***Laganum decagonale*** (de Blainville)

*Distribution* : South 24 Pgs. (Sandheads HRB) and East Medinipur (Digha).

Family ASTRICLYPEIDAE

19. *Echinodiscus auritus* Leske

*Distribution* : South 24 Pgs. (Eastern Channel Hugli river mouth).

Class HOLOTHURIOIDEA

Order DENDROCHIROTIDA

Family CUCUMARIIDAE

20. *Stolus rapax* (Koehler & Vaney)

*Distribution* : South 24 Pgs. (Hugli River Mouth).

21. *Thorsonia investigatoris* (Koehler & Vaney)

*Distribution* : East Medinipur (Digha) and South 24 Pgs. (Hugli River Mouth).

Order MOLPADIDA

Family CAUDINIDAE

22. *Acaudina molpadioides* (Semper)

*Distribution* : South 24 Pgs. (Hugli River Mouth) and East Medinipur (Digha, Shankarpur).

## HEMICHORDATA

Phylum HEMICHORDATA

Class ENTEROPNEUSTA

Family HARRIMANIIDAE

1. ***Saccoglossus sp.***

*Distribution* : South 24 Pgs. (Sunderban).

## CHORDATA : PISCES (FRESH WATER FISH)

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| <p>Phylum CHORDATA</p> <p>Subphylum VERTEBRATA</p> <p>Class OSTEICHTHYES</p> <p>Orders ANGULLIFORMES</p> <p>Family ANGUILLIDAE</p> <p>1. <b><i>Anguilla bengalensis bengalensis</i></b><br/>(Gray &amp; Hardw)</p> <p><i>Distribution</i> : Matla river system.</p> <p>Family MORINGUIDAE</p> <p>2. <b><i>Moringua raitaborua</i></b> (Ham)</p> <p><i>Distribution</i> : Matla and Bidyadhari river.</p> <p>Family OPICHTHIDAE</p> <p>3. <b><i>Pisodonophis boro</i></b> (Ham.)</p> <p><i>Distribution</i> : Sunderban, Matla and Bidyadhari.</p> <p>Order BELONIFORMES</p> <p>Family BELONIDAE</p> <p>4. <b><i>Xenentodon cancila</i></b> Hamilton</p> <p><i>Distribution</i> : Hugli and Matla river system.</p> <p>Family ADRIANICHTHYIDAE</p> <p>5. <b><i>Oryzias dancena</i></b> (Hamilton)</p> <p><i>Distribution</i> : Shallow waters throughout West Bengal.</p> <p>Order CYPRINODONTIFORMES</p> <p>Family APLOCHEILIDAE</p> <p>6. <b><i>Aplochelius panchax</i></b> (Hamilton)</p> <p><i>Distribution</i> : Fresh and Brackish waters of West Bengal.</p> <p>Family POECILIDAE</p> <p>7. <b><i>Gambusia affinis patruelis</i></b> (Baird &amp; Girad)</p> <p><i>Distribution</i> : Throughout West Bengal (Introduced).</p> <p>8. <b><i>Poecilia reticulata</i></b> (Peters)</p> <p><i>Distribution</i> : Throughout West Bengal (Introduced).</p> | <p>Order CLUPEIFORMES</p> <p>Family CLUPEIDAE</p> <p>9. <b><i>Corica soborna</i></b> Ham.</p> <p><i>Distribution</i> : Hugli river system.</p> <p>10. <b><i>Goniolosa manmina</i></b> Ham.</p> <p><i>Distribution</i> : Hugli river system.</p> <p>11. <b><i>Gudusia chapra</i></b> (Ham.)</p> <p><i>Distribution</i> : Throughout West Bengal.</p> <p>12. <b><i>Tenualosa ilisha</i></b> (Ham.)</p> <p><i>Distribution</i> : Hugli river system.</p> <p>Order CYPRINIFORMES</p> <p>Family CYPRINIDAE</p> <p>Subfamily CULTRINAE</p> <p>13. <b><i>Chela (Chela) cachi</i></b> (Ham.)</p> <p><i>Distribution</i> : Damodar and Rupnarayan river.</p> <p>14. <b><i>Chela (Chela) laubuca</i></b> (Ham.)</p> <p><i>Distribution</i> : Throughout West Bengal.</p> <p>15. <b><i>Salmostoma bacaila</i></b> (Ham.)</p> <p><i>Distribution</i> : Throughout West Bengal.</p> <p>16. <b><i>Salmostoma phulo phulo</i></b> (Ham.)</p> <p><i>Distribution</i> : Throughout West Bengal.</p> <p>17. <b><i>Salmostoma sardinella</i></b> (Val.)</p> <p><i>Distribution</i> : Hugli river system.</p> <p>18. <b><i>Securicula gora</i></b> (Ham.)</p> <p><i>Distribution</i> : Damodar River.</p> <p>Subfamily HYPOTHALMICHTHYINAE</p> <p>19. <b><i>Hypohthalmichthys molitrix</i></b> (Val.)</p> <p><i>Distribution</i> : Cultured throughout West Bengal.</p> <p>Subfamily RASBORINAE</p> <p>20. <b><i>Amblypharyngodon mola</i></b><br/>(Hamilton)</p> <p><i>Distribution</i> : Throughout West Bengal.</p> <p>21. <b><i>Aspidoparia jaya</i></b> (Ham.)</p> <p><i>Distribution</i> : Throughout West Bengal.</p> |
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22. ***Aspidoparia morar*** (Ham.)  
Distribution : Throughout West Bengal.
23. ***Barilus barila*** (Hamilton)  
Distribution : Mahananda and Tista River.
24. ***Barilius barna*** (Hamilton)  
Distribution : Ganga river system.
25. ***Barilus bendelisis bendelisis***  
Hamilton  
Distribution : Mahananda and Tista River.
26. ***Barilius shaera*** (Hamilton)  
Distribution : Ganga river system.
27. ***Barilus tileo*** (Hamilton)  
Distribution : Hill streams.
28. ***Barilus vagra vagra*** (Hamilton)  
Distribution : Small hill streams.
29. ***Danio (Brachydanio) rerio***  
(Hamilton)  
Distribution : Throughout West Bengal.
30. ***Danio (Danio) aequipinnatus***  
(McClelland)  
Distribution : Throughout West Bengal.
31. ***Danio (Danio) dangila*** (Hamilton)  
Distribution : Damodar river system.
32. ***Danio (Danio) devario*** (Hamilton)  
Distribution : Damodar, Jayanti and Ajoy river system.
33. ***Esomus danricus*** (Hamilton)  
Distribution : Throughout West Bengal.
34. ***Raiamas bola*** (Hamilton)  
Distribution : North Bengal.
35. ***Rasbora daniconius daniconius***  
(Hamilton)  
Distribution : Mahananda, Darakeswar and Rupnarayanpur river system.
36. ***Rasbora elanga*** (Hamilton)  
Distribution : Hugli river system.
37. ***Rasobra rasobra*** (Hamilton)  
Distribution : Throughout West Bengal.
- Subfamily CYPRININAE
38. ***Aristichthys nobilis*** (Richardson)  
Distribution : Introduced.
39. ***Neolissocheilus hexagonolepis***  
(McClelland)  
Distribution : Darjiling.
40. ***Carassius auratus auratus***  
(Linnaeus)  
Distribution : Introduced.
41. ***Carassius carassius*** (Linnaeus)  
Distribution : Introduced.
42. ***Cyprinion semiplotum*** (McClelland)  
Distribution : North Bengal.
43. ***Catla catla*** (Hamilton)  
Distribution : Cultured throughout West Bengal.
44. ***Chagunius chagunio*** (Hamilton)  
Distribution : Darjiling.
45. ***Cirrhinus mrigala*** (Hamilton)  
Distribution : Cultured throughout West Bengal.
46. ***Cirrhinus reba*** (Hamilton)  
Distribution : Hugli river system.
47. ***Ctenopharyngodon idella***  
(Valenciennes)  
Distribution : Throughout West Bengal (Introduced).
48. ***Cyprinus carpio carpio*** Linnaeus  
Distribution : Throughout the State (Introduced).
49. ***Hypophthalmichthys molitrix***  
(Valenciennes)  
Distribution : (Introduced).
50. ***Labeo angra*** (Hamilton)  
Distribution : North Bengal.
51. ***Labeo fimbriatus*** (Blotch)  
Distribution : Foot-hills of North Bengal.
52. ***Labeo bata*** (Hamilton)  
Distribution : Hugli and Damodar river.



53. ***Labeo boga*** (Hamilton)  
Distribution : Darjiling and Siliguri.
54. ***Labeo calbasu*** (Hamilton)  
Distribution : Hugli river System.
55. ***Labeo dero*** (Hamilton)  
Distribution : Darjiling.
56. ***Labeo dyocheilus*** (McClelland)  
Distribution : North Bengal.
57. ***Labeo goniis*** (Hamilton)  
Distribution : Darjiling.
58. ***Labeo nandina*** (Ham.)  
Distribution : Damodar and Hugli river.
59. ***Labeo pangusia*** (Hamilton)  
Distribution : Streams of duars and Terai.
60. ***Labeo rohita*** (Hamilton)  
Distribution : Throughout West Bengal.
61. ***Oreithys cosuatus*** (Hamilton)  
Distribution : North Bengal.
62. ***Osteobrama cotio cotio*** (Hamilton)  
Distribution : Throughout West Bengal.
63. ***Puntius chola*** (Hamilton)  
Distribution : Throughout West Bengal.
64. ***Puntius calavatus*** (McClelland)  
Distribution : North Bengal below Himalayan Foothills.
65. ***Puntius conchoniis*** (Hamilton)  
Distribution : Throughout West Bengal.
66. ***Puntius dukai*** (Day)  
Distribution : Tista river system.
67. ***Puntius gelius*** (Hamilton)  
Distribution : Matla river system.
68. ***Puntius guganio*** (Hamilton)  
Distribution : Gangetic belt.
69. ***Puntius javanicus*** (Blecker)  
Distribution : Gangetic belt.
70. ***Puntius phutunio*** (Hamilton)  
Distribution : Panchenai river.
71. ***Puntius sarana sarana*** (Hamilton)  
Distribution : Hugli, Mahananda and Damodar.
72. ***Puntius sophore*** (Hamilton)  
Distribution : Throughout West bengal.
73. ***Puntius terio*** (Hamilton)  
Distribution : North Bengal.
74. ***Puntius ticto ticto*** (Hamilton)  
Distribution : Throughout West bengal.
75. ***Tor putitora*** (Hamilton)  
Distribution : Mahananda River system.
76. ***Tor tor*** (Hamilton)  
Distribution : Mahananda and Tista River system.
- Subfamily GARRINAE
77. ***Crossocheilus latius latius*** (Hamilton)  
Distribution : Tista river.
78. ***Garra annandalei*** Hora  
Distribution : Darjiling.
79. ***Garra gotyla gotyla*** (Gray)  
Distribution : Tista, Mahananda and Darakeswar river.
80. ***Garra lamta*** (Ham.)  
Distribution : Darjiling.
81. ***Garra mullya*** (Sykes)  
Distribution : Mahananda and Tista river.
- Subfamily SCHIZOTHORACINAE
82. ***Schizothoraichthys progastus*** (McClelland)  
Distribution : Sub-Himalayan range.
83. ***Schizotharax molesworthi*** (Chaudhuri)  
Distribution : Sub-Himalayan range.
84. ***Schizothorax richardsonii*** (Gray)  
Distribution : Sub-Himalayan range.
- Family PSILORHYNCHIDAE
85. ***Psilorhynchus balitora*** (Hamilton)  
Distribution : Darjiling and Jalpaiguri.

86. *Psilorhynchus sucatio* (Hamilton)  
*Distribution* : Darjiling.  
 Family HOMALOPTERIDAE  
 Subfamily NOEMACHEILINAE
87. *Aborichthys elongatus* Hora  
*Distribution* : Tista river.
88. *Acanthocobitis botia* (Hamilton)  
*Distribution* : Darjiling.
89. *Noemacheilus bevani* Gunther  
*Distribution* : Darjiling (Mahananda and Tista).
90. *Noemacheilus corica* (Hamilton)  
*Distribution* : Darjiling.
91. *Noemacheilus devdevi* Hora  
*Distribution* : All stream below Darjiling.
92. *Noemacheilus multifasciatus* Day  
*Distribution* : Darjiling.
93. *Noemacheilus rupicola inglisi* Hora  
*Distribution* : Darjiling.
94. *Noemacheilus rupicola rupicola*  
 (McCld.)  
*Distribution* : Darjiling.
95. *Noemacheilus savona* (Hamilton)  
*Distribution* : Tista river system.
96. *Noemacheilus scaturigina*  
 (McClelland)  
*Distribution* : Hill-streams.
97. *Noemacheilus shebbeari* Hora  
*Distribution* : Tista river.
98. *Noemacheilus zonatus* (McClelland)  
*Distribution* : Darjiling.  
 Subfamily HOMALOPTERINAE
99. *Balitora brucei* Gray  
*Distribution* : Tista river.
100. *Balitora maculata* Gray  
*Distribution* : Tista river.  
 Family Cobitidae  
 Subfamily Cobitinae
101. *Acanthophtalamus pangia* (Hamilton)  
*Distribution* : Darjiling.
102. *Lepidocephalus (L) annandalei*  
 Chaudhuri  
*Distribution* : Small hill-stream.
103. *Lepidocephalus (L) quntea*  
 (Hamilton)  
*Distribution* : Mahananda, Tista and Hugli.
104. *Somileptes gongota* (Hamilton)  
*Distribution* : Tista, Jayanti and Mahananda.  
 Subfamily BOTIINAE
105. *Botia almarhae* Gray  
*Distribution* : Mahananda river and Darjiling.
106. *Botia (Botia) dario* (Hamilton)  
*Distribution* : Hill streams.
107. *Botia (Botia) rostrata* Gunther  
*Distribution* : Darjiling.  
 Order OSTEOGLOSSIFORMES  
 Family NOTOPTERIDAE
108. *Chitala chitala* (Ham.)  
*Distribution* : Hugli river system.
109. *Notopterus notopterus* (Pallas)  
*Distribution* : Throughout West Bengal.  
 Order SILURIFORMES  
 Family ARIIDAE
110. *Arius arius* (Hamilton)  
*Distribution* :  
 111. *Arius gagora* Hamilton  
*Distribution* : Hugli Estuary.  
 Family BAGRIDAE
112. *Sperata seenghala* (Sykes)  
*Distribution* : Large rivers of the states.
113. *Sperata aor* (Hamilton)  
*Distribution* : Large rivers of the state.
114. *Batasio batasio* (Hamilton)  
*Distribution* : Tista river.
115. *Batasio tengana* (Hamilton)  
*Distribution* : Tista river.
116. *Rama chandramara* (Hamilton)  
*Distribution* : North Bengal.

117. *Mytus bleekeri* (Day)

*Distribution* : Throughout West Bengal.

118. *Mytus cavasius* (Day)

*Distribution* : Hugli river.

119. *Mytus gulio* (Hamilton)

*Distribution* : Estuaries, seas and tidal water of West Bengal.

120. *Mytus menoda menoda* (Ham.)

*Distribution* : Mahananda River.

121. *Mytus tengara* (Hamilton)

*Distribution* : Throughout West Bengal.

122. *Mytus vittatus* (Bloch)

*Distribution* : Throughout West Bengal.

123. *Rita rita* (Hamilton)

*Distribution* : Mahananda and Tista river.

Family CLARIIDAE

124. *Clarius batrachus* (Linnaeus)

*Distribution* : Hugli river system.

125. *Clarias gariepinus* (Burehell)

*Distribution* : Introduced.

Family HETEROPNEUSTIDAE

126. *Heteropneustes fossilis* (Bloch)

*Distribution* : Throughout West Bengal.

Family CHACIDAE

127. *Chaca chaca* Hamilton

*Distribution* : Darjiling.

Family AMBLYCIPITIDAE

128. *Amblyceps mangois* (Hamilton)

*Distribution* : Tista river.

Family OLYRIDAE

129. *Olyra kempfi* Chaudhuri

*Distribution* : Darjiling.

130. *Olyra longicaudata* McClelland

*Distribution* : Darjiling.

Family PANGASIIDAE

131. *Pangasius pangasius* (Hamilton)

*Distribution* : Estuaries of West Bengal.

Family PLOTOSIDAE

132. *Plotosus canius* Hamilton

*Distribution* : Hugli and Matla river.

133. *Plotosus lineatus* (Thunberg)

*Distribution* : Hugli estuary.

Family SCHILBEIDAE

134. *Ailia coila* (Hamilton)

*Distribution* : Hugli and Matla river system.

135. *Clupisoma garua* (Ham.)

*Distribution* : Jalangi and Bhagirathi river.

136. *Clupisoma montana* Hora

*Distribution* : Darjiling.

137. *Eutropiichthys murius* (Hamilton)

*Distribution* : Big rivers and tributaries of the state.

138. *Eutropiichthys vacha* (Hamilton)

*Distribution* : Hugli river system.

139. *Pseudeutropius atherinoides* (Bloch)

*Distribution* : Hugli and Matla River.

140. *Silonia silondia* (Hamilton)

*Distribution* : Hugli river system.

Family SILURIDAE

141. *Ompok bimaculatus* (Bloch)

*Distribution* : Hugli, Damodar and Bhagirathi river.

142. *Ompok pabda* (Hamilton.)

*Distribution* : Hugli, Damodar and Bhagirathi river.

143. *Ompok pabo* (Hamilton)

*Distribution* : Hugli, Damodar and Bhagirathi river.

144. *Pterocryptes gangetica* (Peters)

*Distribution* : Darjiling Himalaya.

145. *Wallago attu* (Schneider)

*Distribution* : Hugli, Damodar and Bhagirathi river.

Family SISORIDAE

146. *Bagarius bagarius* (Hamilton.)

*Distribution* : Hugli river.

147. **Conta conta** (Hamilton)  
Distribution : Darjiling.
148. **Erethistes pussilus** Muller & Troschel  
Distribution : Darjiling.
149. **Erethistiodes montana montana**  
Hora  
Distribution : Darjiling.
150. **Euchiloglanis hodgarti** (Hora)  
Distribution : Darjiling.
151. **Gagata cenia** (Ham.)  
Distribution : North Bengal.
152. **Gagata gagata** (Ham.)  
Distribution : North Bengal.
153. **Gagata viridescens** (Hamilton)  
Distribution : North Bengal.
154. **Glyptothorax cavia** (Ham.)  
Distribution : Darjiling.
155. **Glyptothorax conirostrae conirostrae** (Stend.)  
Distribution : Mahananda and Siliguri.
156. **Glyptothorax horai** Shaw & Shebbeare  
Distribution : Darjiling.
157. **Glyptothorax telchitta telchitta**  
(Hamilton)  
Distribution : Darjiling.
158. **Hara hara** (Hamilton)  
Distribution : Darjiling.
159. **Hara horai** Misra  
Distribution : Darjiling.
160. **Hara jerdoni** (Day)  
Distribution : Darjiling.
161. **Laguvia ribeiroi** Hora  
Distribution : Teesta river and Darjiling.
162. **Laguvia shawi** Hara  
Distribution : Mahananda, Sivoke rivers, Darjiling (Kalimpong, Duars, Siliguri, Terai) and North Bengal.
163. **Nangra nangra** (Hamilton)  
Distribution : Ganga, Hugli river.
164. **Para chiloglanis hodgarti** (Hora)  
Distribution : Teesta valley, Kurseong and Darjiling.
165. **Pseudecheneis sulcatus** (McClelland)  
Distribution : Darjiling.
166. **Sisor rhabdophorus** Hamilton  
Distribution : Darjiling.  
Super order ACANTHOPTERYGII  
Orders CHANNIFORMES  
Family CHANNIDAE
167. **Channa amphibius** (McClelland)  
Distribution : North Bengal.
168. **Channa barca** (Hamilton)  
Distribution : Darjiling.
169. **Channa marulius** (Hamilton)  
Distribution : Hugli river system.
170. **Channa orientalis** (Schneider)  
Distribution : All rivers of West Bengal.
171. **Channa punctatus** (Bloch)  
Distribution : All rivers of West Bengal.
172. **Channa stewartii** (Playfair)  
Distribution : Hugli and Matla river system.
173. **Channa striatus** (Bloch)  
Distribution : Hugli, Damodar and Bhagirathi river system.  
Order GASTEROSTEIFORMES  
Family SYNGNATHIDAE
174. **Ichthyocampus carce** (Hamilton)  
Distribution : Visits freshwaters of lower Bengal.
175. **Microphis deocata** (Hamilton)  
Distribution : Darjiling.
176. **Microphis cuncalus**  
Distribution : Throughout West Bengal.  
Order SYNBRANCHIFORMES  
Family MASTACEMBELIDAE
177. **Macrognathus aral** (Bloch & Schneider)  
Distribution : Throughout West Bengal.

178. *Macrogathus aculeatus* (Bloch)  
Distribution : Throughout West Bengal.
179. *Macrogathus pancalus* Hamilton  
Distribution : Hugli, Mahanada and Tista river system.
180. *Mastacembelus armatus armatus* (Lacepede)  
Distribution : Hugli and Bhagirathi river systems.  
Family SYNBRANCHIDAE
181. *Monopterus cuchia* (Hamilton)  
Distribution : Throught West Bengal.
182. *Ophisternon bengalense* McClelland  
Distribution : Hugli river, West Bengal.  
Order PECIFORMES  
Family BELONTIDAE
183. *Colisa fasciata* (Schneider)  
Distribution : Hugli, Bhagirathi and Damodar.
184. *Colisa lalius* (Hamilton)  
Distribution : Hugli and Bhagirathi river system.
185. *Colisa sota* (Hamilton)  
Distribution : Gangetic Provinces.
186. *Ctenops nobilis* McClelland  
Distribution : Small streams and tributaries.
187. *Osphronemus goramy* Lacepede  
Distribution : Introduced.  
Family CENTROPOMIDAE
188. *Lates calcarifer* (Bloch)  
Distribution : Hugli and Matla estuaries.  
Family CHANDIDAE
189. *Chanda nama* (Hamilton)  
Distribution : Hugli, Mahananda and Punarbhaba.
190. *Pseudambassis ranga* (Hamilton)  
Distribution : Hugli, Mahananda and Punarbhaba.
191. *Pseudambassis baculis* (Hamilton)  
Distribution : Ganga basin.  
Family CICHLIDAE
192. *Oreochromis mossambica* (Peters)  
Distribution : Throughout West Bengal (Introduced).
193. *Oreochromis nilotica* (Linnaells)  
Distribution : Throughout West Bengal (Introduced).  
Family GOBIIDAE
194. *Glossogobius giuris giuris* (Hamilton)  
Distribution : Damodar, Hugli and Bhagirathi River.  
Family ANABANTIDAE
195. *Anabas testudineus* (Bloch)  
Distribution : All rivers of West Bengal.
196. *Anabas cobojius* (Hamilton)  
Distribution : Medinipur, Bankura and Hugli.  
Family MUGILIDAE
197. *Liza parsia* (Hamilton)  
Distribution : Throughout West Bengal.
198. *Liza tode* (Farskal)  
Distribution : Lower reaches of the rivers.
199. *Rhinomugil corsula* (Hamilton)  
Distribution : Hugli and Matla River.
200. *Sicamugli cascasia* (Hamilton)  
Distribution : Hugli and Sunderban Estuarine Zone.  
Family NANDIDAE
201. *Badis badis* (Hamilton)  
Distribution : Not found commonly in West Bengal.
202. *Nandus nandus* (Hamilton)  
Distribution : Damodar, Hugli and Bhagirathi.  
Family POLYNEMIDAE
203. *Polynemus paradiseus* Linnaeus  
Distribution : Hugli and Matla estuary.

**204. *Elutheronema tetradactylum***  
(Shaw)

*Distribution* : Hugli and Matla estuary.

Order SYMBRANCHIFORMES

Family SYMBRANCHIDAE

**205. *Monopterusuchia*** (Hamilton)

*Distribution* : Darjiling and Sunderban estuaries.

**206. *Ophisternon bengalensis***  
McClelland

*Distribution* : Sunderban estuaries.

Order TETRAODONTIFORMES

Family TETRAODONTIDAE

**207. *Tetraodon cutcutia*** (Hamilton)

*Distribution* : Freshwaters of West Bengal.

## CHORDATA : PISCES (MARINE FISH)

- |                                      |                   |                                    |                            |
|--------------------------------------|-------------------|------------------------------------|----------------------------|
| Phylum                               | CHORDATA          | Family                             | HEMIGALEIDAE               |
| Subphylum                            | VERTEBRATA        | 18. <i>Hemipristis elongata</i>    | (Klunzinger)               |
| Class                                | CHONDRICHTHYES    | Family                             | PROSCYLLIDAE               |
| Subclass                             | ELASMOBRANCHII    | 19. <i>Eridacnis radcliffei</i>    | Smith                      |
| Order                                | SQUALIFORMES      | Family                             | SPHYRNIDAE                 |
| Family                               | SQUALIDAE         | 20. <i>Eusphyrna blochii</i>       | (Cuvier)                   |
| 1. <i>Centroscyllium ornatum</i>     | (Alcock)          | 21. <i>Sphyrna lewini</i>          | (Cuvier, Griffith & Smith) |
| Order                                | ORECTOLOBIFORMES  | Order                              | PRISTIFORMES               |
| Family                               | HEMISCYLLIDAE     | Family                             | PRISTIDAE                  |
| 2. <i>Chiloscyllium griseum</i>      | Muller & Henle    | 22. <i>Anoxypristis cupidata</i>   | (Latham)                   |
| 3. <i>Chiloscyllium indicum</i>      | (Gmelin)          | 23. <i>Pristis microdon</i>        | Latham                     |
| 4. <i>Chiloscyllium plagiosum</i>    | (Bennett)         | 24. <i>Pristis pectinata</i>       | Latham                     |
| 5. <i>Chiloscyllium punctatum</i>    | Muller & Henle    | Suborder                           | TORPEDINIOIDEI             |
| Family                               | RHINIODONTIDAE    | Family                             | TORPEDINIDAE               |
| 6. <i>Rhincodon typus</i>            | Smith             | 25. <i>Bengalichthys impennis</i>  | Annandale                  |
| Family                               | STEGOSTOMATIDAE   | 26. <i>Narcine brunnea</i>         | Annandale                  |
| 7. <i>Stegostoma fasciatum</i>       | (Hermann)         | 27. <i>Narcine maculata</i>        | (Shaw)                     |
| Orders                               | CARCHARHINIFORMES | 28. <i>Narcine timlei</i>          | (Schneider)                |
| Family                               | CARCHARHINIDAE    | 29. <i>Narke dipterygia</i>        | (Schneider)                |
| 8. <i>Carcharhinus dussumieri</i>    | (Valenciennes)    | Order                              | RAJIFORMES                 |
| 9. <i>Carcharhinus hemiodon</i>      | (Valenciennes)    | Family                             | RHINOBATIDAE               |
| 10. <i>Carcharhinus leucas</i>       | (Valenciennes)    | 30. <i>Rhina ancylostoma</i>       | Schneider                  |
| 11. <i>Carcharhinus limbatus</i>     | (Valenciennes)    | 31. <i>Rhinobatos annandalei</i>   | Norman                     |
| 12. <i>Carcharhinus melanopterus</i> | (Quoy & Gaimard)  | 32. <i>Rhinobatos granulatus</i>   | Cuvier                     |
| 13. <i>Carcharhinus sorrah</i>       | (Valenciennes)    | 33. <i>Rhinobatos lionotus</i>     | Norman                     |
| 14. <i>Glyphis gangeticus</i>        | (Muller & Henle)  | 34. <i>Rhinobatos obtusus</i>      | Muller & Henle             |
| 15. <i>Lamiopsis temmincki</i>       | (Muller & Henle)  | 35. <i>Rhynchobatus djeddensis</i> | (Forsskal)                 |
| 16. <i>Rhizoprionodon acutus</i>     | (Ruppell)         | Order                              | MYLIOBATIFORMES            |
| 17. <i>Scoliodon laticaudus</i>      | (Muller & Henle)  | Family                             | DASYATIDAE                 |
|                                      |                   | 36. <i>Dasyatis microps</i>        | (Annandale)                |
|                                      |                   | 37. <i>Dasyatis zugei</i>          | (Muller & Henle)           |
|                                      |                   | 38. <i>Himantura bleekeri</i>      | (Blyth)                    |
|                                      |                   | 39. <i>Himantura fluviatilis</i>   | (Hamilton)                 |
|                                      |                   | 40. <i>Himantura imbricata</i>     | (Schneider)                |
|                                      |                   | 41. <i>Himantura marginata</i>     | (Blyth)                    |

42. *Himantura uarnak* (Forsskal)  
Family GYMNURIDAE
43. *Aetoplatea tentaculata*  
(Valenciennes)
44. *Gymnura poecilura* (Shaw)
45. *Gymnura japonica* (Blyth)  
Family MYLIOBATDIDAE
46. *Aetobatus narinari* (Blainville)
47. *Aetomylaeus nichofii* (Schneider)  
Order ANGUILLIFORMES  
Family ANGUILLIDAE
48. *Anguilla bengalensis bengalensis*  
(Gray)
49. *Anguilla bicolor bicolor* McClelland  
Family MORINGUIDAE
50. *Moringua arundinacea* (McClelland)
51. *Moringua raitaborua* (Hamilton)  
Family MURAENESOCIDAE
52. *Congresox talabon* (Cuvier)
53. *Congresox talabonoides* (Bleeker)
54. *Muraenesox bagio* (Hamilton)
55. *Muraenesox cinereus* (Forsskal)  
Family MURAENIDAE
56. *Echidna nebulosa* (Ahl)
57. *Echidna zebra* (Shaw)
58. *Gymnothorax tile* (Hamilton)
59. *Gymnothorax meleagris* (Shaw &  
Nodder)
60. *Gymnothorax pictus* (Ahl)
61. *Stophidon sathete* (Hamilton)  
Family OPHICHTHIDAE
62. *Lamnostoma orientalis* (McClelland)
63. *Pisodonophis boro* (Hamilton)  
Order AULOPIFORMES  
Family SYNODONTIDAE
64. *Harpadon nehereus* (Hamilton)
65. *Saurida tumbil* (Bloch)
66. *Saurida undosquames* (Richardson)
67. *Synodus variegatus* (Lacepede)
68. *Saurida wanesio* Shindo and Yamada
69. *Trachinocephalus myops* (Forster)  
Order BATRACHOIDIFORMES  
Family BATRACHOIDIDAE
70. *Colletheichthys dussumieri*  
(Valenciennes)
71. *Allenbatrachus grunniens* (Linnaeus)  
Order CLUPEIFORMES  
Family CHIROCENTRIDAE
72. *Chirocentrus dorab* (Forsskal)
73. *Chirocentrus nudus* Swainson
74. *Anodontostoma chacunda*  
(Hamilton)
75. *Anodontostoma thailandiae*  
Wongratana
76. *Corica soborna* Hamilton
77. *Escualosa thoracata* (Valenciennes)
78. *Herklotsichthys quadrimaculatus*  
(Ruppell)  
Family CLUPEIDAE
79. *Hilsa kelee* (Cuvier)
80. *Nematalosa galathea* (Nelson &  
Rothaman)
81. *Nematalosa nasus* (Bloch)
82. *Sardinella brachysoma* Bleeker
83. *Sardinella fimbriata* (Valenciennes)
84. *Sardinella gibbosa* (Bleeker)
85. *Tenuالosa ilisha* (Hamilton)
86. *Tenuالosa toli* (Valenciennes)  
Family ENGRULIDIDAE
87. *Coilia dussumieri* Valenciennes
88. *Coilia neglecta* Whitehead
89. *Coilia ramcarti* (Hamilton)
90. *Coilia reynaldi* valenciennes
91. *Encrasicholina heteroloba* (Ruppell)
92. *Setipinna brevifilis* (Valenciennes)
93. *Setipinna phasa* (Hamilton)
94. *Setipinna taty* (Valenciennes)
95. *Setipinna tenuifilis* Valenciennes



96. *Stolephorus baganensis* Hardenberg  
 97. *Stolephorus commersonii* Lacepede  
 98. *Stolephorus indicus* (van Hasslet)  
 99. *Thryssa dussumieri* (Valenciennes)  
 100. *Thryssa hamiltonii* (Gray)  
 101. *Thryssa kammalensis* (Bleeker)  
 102. *Thryssa purava* (Hamilton)  
 103. *Thryssa malabarica* (Bloch)  
 Family PRISTIGASTERIDAE  
 104. *Ilisha elongata* (Bennett)  
 105. *Ilisha filigera* (Valenciennes)  
 106. *Ilisha kampeni* (Weber & de Beaufort)  
 107. *Ilisha megaloptera* (Swainson)  
 108. *Ilisha melastoma* (Schneider)  
 109. *Ilisha striatula* Wongratana  
 110. *Opisthopterus tardoore* (Cuvier)  
 111. *Pellona ditchela* Valenciennes  
 112. *Raconda russeliana* Gray  
 Order BELONIFORMES  
 Family BELONIDAE  
 113. *Strongylura leiura* (Bleeker)  
 114. *Strongylura strongylura* (van Hasselt)  
 115. *Tylosurus crocodilus crocodilus* (Peron & Le Sueur)  
 Family HEMIRAMPHIDAE  
 116. *Dermogenys brachynopterus* (Bleeker)  
 117. *Hemiramphus far* (Forsskal)  
 118. *Hyporhamphus limbatus* (Valenciennes)  
 119. *Rhynchorhamphus georgii* (Valenciennes)  
 120. *Zenarchopterus buffonis* (Valenciennes)  
 121. *Zenarchopterus ectuntio* (Hamilton)  
 122. *Zenarchopterus striga* (Blyth)
- Orders ELOPIFORMES  
 Family ELOPIDAE  
 123. *Elops machnata* (Forsskal)  
 Family MEGALOPIDAE  
 124. *Megalops cyprinoides* (Broussonet)  
 Orders GADIFORMES  
 Family BREGMACEROTIDAE  
 125. *Bregmaceros macclellandi* Thompson  
 Family MACROURIDAE  
 126. *Coryphaenoides lophotes* (Alcock)  
 Orders GONORYNCHIFORMES  
 Family CHANIDAE  
 127. *Chanos chanos* (Forsskal)  
 Orders LOPHIFORMES  
 Family ANTENNARIIDAE  
 128. *Antennarius hispidus* (Bloch & Schneider)  
 Family OGCOEPHALIDAE  
 129. *Halieutaea stellata* (Vahl)  
 Order MUGILIFORMES  
 Family MUGILIDAE  
 130. *Liza parsia* (Hamilton)  
 131. *Liza macrolepis* (Smith)  
 132. *Liza subviridis* (Valenciennes)  
 133. *Liza tade* (Forsskal)  
*Liza vaigiensis* (Quoy & Gaimard)  
 134. *Mugil cephalus* Linnaeus  
 135. *Rhinomugil corsula* (Hamilton-Buchanan)  
 136. *Valamugil speigleri* (Bleeker)  
 137. *Valamugil buchananai* (Bleeker)  
 138. *Valamugil cunnesius* (Valenciennes)  
 139. *Valamugil seheli* (Forsskal)  
 Orders PERCIFORMES  
 Family SPHYRAENIDAE  
 140. *Sphyraena jello* Cuvier  
 141. *Sphyraena obtusata* Cuvier

- Family ACANTHURIDAE
142. *Acanthurus triostegus* (Linnaeus)
- Family CALLIONYMIDAE
143. *Callionymus carebares* Alcock
144. *Callionymus fluviatilis* Day
145. *Callionymus megastomus* Fricke
146. *Callionymus recurvispinnis* (Li)
147. *Callionymus sagitta* Pallas
148. *Eleutherochir opercularis* (Valenciennes)
- Family ELEOTRIDIDAE
149. *Butis butis* (Hamilton)
150. *Butis melanostigma* (Bleeker)
151. *Eleotris fusca* (Bloch & Schneider)
152. *Eleotris lutea* Day
153. *Eleotris melanossoma* (Bleeker)
154. *Odonteleotris macrodon* Bleeker
155. *Ophieleotris aporos* (Bleeker)
156. *Ophiocara porocephala* (Valenciennes)
- Family GOBIIDAE
157. *Acentrogobius caninus* (Valenciennes)
158. *Acentrogobius cauerensis* (Bleeker)
159. *Drombus globiceps* (Hora)
160. *Istigobius ornatus* (Ruppell)
161. *Acentrogobius viridipunctatus* (Valenciennes)
162. *Apocryptes bato* (Hamilton)
163. *Apocryptodon madurensis* (Bleeker)
164. *Awaouichthys menoni* Chatterjee
165. *Bathygobius fuscus* (Ruppell)
166. *Boleophthalmus boddaerti* (Valenciennes)
167. *Boleophthalmus dussumieri* Valenciennes
168. *Brachygobius nunus* (Hamilton)
169. *Amblyeleotris gymnocephala* (Bleeker)
170. *Glossogobius giuris* (Hamilton)
171. *Gobiopsis macrostomus* Steindachner
172. *Gobiopterus chuno* (Hamilton)
173. *Oligolepsis acutipennis* (Valenciennes)
174. *Oxuderces dentatus* Eydoux & Souleyet
175. *Parachaeturichthys polynema* (Bleeker)
176. *Parapocryptes serperaster* (Richardson)
177. *Pariophthalmodon schlosseri* (Valenciennes)
178. *Periophthalmus novemradiatus* (Hamilton)
179. *Periophthalmodon tredecemradiatus* (Hamilton)
180. *Periophthalmus kalolo* (Lesson)
181. *Pseudapocryptes elongatus* (Cuvier)
182. *Scartelaos histophorus* (Valenciennes)
183. *Stigmatogobius hoevenii* (Bleeker)
184. *Stigmatogobius sadanundio* (Hamilton)
- Family GOBIODIDAE
185. *Caragobius urolepis* (Bleeker)
186. *Odontamblyopus rubicundus* (Hamilton)
187. *Pseudotrypauchen multiradiatus* (Day)
188. *Taenioides anguillaris* (Linnaeus)
189. *Taenioides cirratus* (Blyth)
190. *Taenioides buchanani* (Day)
- Family TRYPACHENIDAE
191. *Amblyotrypauchen arctcephalus* (Alcock)
192. *Ctenotrypauchen microcephalus* (Bleeker)
193. *Trypauchen vagina* (Bloch & Schneider)

194. *Trypauchenichthys sumatrensis*  
Hardenberg  
Family KURTIDAE
195. *Kurtus indicus* Bloch  
Family AMBASSIDAE
196. *Ambassis kopsii* Bleeker
197. *Ambassis nalua* (Hamilton)  
Family APOGONIDAE
198. *Apogon lateralis* Valenciennes  
Family CARANGIDAE
199. *Alectis ciliaris* (Bloch)
200. *Alectis indicus* (Ruppell)
201. *Alepes djedaba* (Forsskal)
202. *Alepes vari* (Cuvier)
203. *Atropus atropus* (Schneider)
204. *Atule mate* (Cuvier)
205. *Carangoides chrysophrys* (Cuvier)
206. *Carangoides malabaricus* (Bloch & Schneider)
207. *Carangoides praeustus* (Bennett)
208. *Caranx carangus* (Bloch)
209. *Caranx sexfasciatus* Quoy & Gaimard
210. *Coranx ignobilis* (Forsskal)
211. *Decapterus russelli* (Ruppell)
212. *Caranx melampygus* Cuvier
213. *Elagatis bipinnulata* (Quoy & Gaimard)
214. *Gnathanodon speciosus* (Forsskal)
215. *Megalaspis cordyla* (Linnaeus)
216. *Pararstromateus niger* (Bloch)
217. *Scomberoides commersonianus*  
Lacepede
218. *Scomberoides lysan* (Forsskal)
219. *Scomberoides tala* (Cuvier)
220. *Selar crumenophthalmus* (Bloch)
221. *Trachinotus blochii* (Lacepede)
222. *Uraspis helvola* (Forster)
223. *Uraspis uraspis* (Gunther)
- Family LATIDAE
224. *Lates calcarifer* (Bloch)  
Family CORYPHAENIDAE
225. *Coryphaena hippurus* Linnaeus  
Family ECHENEIDAE
226. *Echeneis naucrates* Linnaeus  
Family DREPANEIDAE
227. *Drepane longimana* (Bloch & Schneider)
228. *Drepane punctata* (Linnaeus)  
Family EPHIPPIDAE
229. *Platax pinnatus* (Linnaeus)  
Family GERREIDAE
230. *Gerres setifer* (Hamilton)
231. *Gerres erythrourus* (Bloch)
232. *Gerres oyena* (Forsskal)
233. *Gerres phaiya* Iwatsuki & Heemstra
234. *Gerres filamentous* Cuvier  
Family HAEMULIDAE
235. *Pomadasys argenteus* (Forsskal)
236. *Pomadasys argyreus* (Valenciennes)
237. *Pomadasys furcatus* (Schneider)
238. *Pomadasys maculatus* (Bloch)  
Family LACTRARIIDAE
239. *Lactarius lactarius* (Schneider)  
Family LEIOGNATHIDAE
240. *Gazza minuta* (Bloch)
241. *Nucheguula blochii* (Valenciennes)
242. *Nucheguula gerreoides* (Bleeker)
243. *Leiognathus daura* (Cuvier)
244. *Leiognathus dussumieri*  
(Valenciennes)
245. *Leiognathus equulus* (Forsskal)
246. *Leiognathus fasciatus* (Lacepede)
247. *Secutor insidiator* (Bloch)
248. *Eubleekeria splendens* (Cuvier)
249. *Secutor ruconius* (Hamilton)

- Family LOBOTIDAE
250. *Lobotes surinamensis* (Bloch)
- Family DATNIOIDIDAE
251. *Datnioides polota* (Hamilton)
- Family LUTJANIDAE
252. *Lutianus argentimaculatus* (Forsskal)
253. *Lutianus bengalensis* (Bloch)
254. *Lutianus carponotatus* (Richardson)
255. *Lutianus guilcheri* Fourmanoir
256. *Lutianus johnii* (Bloch)
257. *Lutianus russelli* (Bleeker)
- Family MONODACTYLIDAE
258. *Monodactylus argenteus* (Linnaeus)
- Family MULLIDAE
259. *Parupeneus indicus* (Shaw)
260. *Upeneus sulphureus* Cuvier
261. *Upepeus vittatus* (Forsskal)
- Family NEMIPTERIDAE
262. *Nemipterus bipunctatus* (Valenciennes)
263. *Nemipterus japonicus* (Bloch)
264. *Nemipterus peronil* (Valenciennes)
- Family PRIACANTHIDAE
265. *Priacanthus tayenus* Richardson
- Family RACHYCENTRIDAE
266. *Rachycentron canadum* (Linnaeus)
- Family SCATOPHAGIDAE
267. *Scatophagus argus* (Bloch)
- Family SCIAENIDAE
268. *Bahaba chaptis* (Hamilton)
269. *Chrysochir aureus* (Richardson)
270. *Daysciaena albida* (Cuvier)
271. *Dendrophysa russelli* (Cuvier)
272. *Johnius belangerii* (Cuvier)
273. *Johnius carutta* Bloch
274. *Johnius coitor* (Hamilton)
275. *Johnieops macrorhynchus* Mohan
276. *Johnieops borneensis* (Bleeker)
277. *Johnieops dussumieri* (Cuvier)
278. *Johnius macropterus* (Bleeker)
279. *Macrospinosa cuja* (Hamilton)
280. *Nibea coibor* (Hamilton)
281. *Nibea maculata* (Schneider)
282. *Nibea soldado* (Lacepede)
283. *Otolithes cuvieri* Trewavas
284. *Otolithes rubber* (Schneider)
285. *Otolithoides biauritus* (Cantor)
286. *Pama pama* (Hamilton)
287. *Panna heterolepis* Trewavas
288. *Panna microdon* (Bleeker)
289. *Pennahia macrocephalus* (Tang)
290. *Pennahia anea* (Bloch)
291. *Protonibea diacanthus* (Lacepede)
292. *Pterotolithus maculatus* (Kuhl & van Hasselt)
- Family SERRANIDAE
293. *Epinephelus coioides* (Hamilton)
294. *Epinephelus malabaricus* (Schneider)
295. *Promicrops lanceolatus* (Bloch)
- Family SILLAGINIDAE
296. *Sillaginopsis panijus* (Hamilton)
297. *Sillago sihama* (Forsskal)
- Family SPARIDAE
298. *Acanthopagrus berda* (Forsskal)
299. *Acanthopagrus latus* (Houttuyn)
300. *Rhabdosargus sarba* (Forsskal)
- Family TERAPONIDAE
301. *Terapon jarbua* (Forsskal)
302. *Terapon puta* (Cuvier)
303. *Terapon theraps* (Cuvier)
- Family TOXOTIDAE
304. *Toxotes chatareus* (Hamilton)
305. *Toxotes jaculator* (Pallas)
- Family POLYNEMIDAE
306. *Filimonus similis* (Feltus)

307. *Leptomelonosoma indicum* (Shaw)  
 308. *Polydactylus plebeius* (Broussonet)  
 309. *Polydactylus sextarius* (Bloch)  
 310. *Polynemus paradiseus* Linnaeus  
 311. *Eleutheronea tetradactylum*  
 (Shaw)  
 Family SIGANIDAE  
 312. *Siganus conalliculatus* (Pork)  
 313. *Siganus javus* (Linnaeus)  
 Family SCOMBRIDAE  
 314. *Rastrelliger kanagurta* (Cuvier)  
 315. *Scomberomorus commerson*  
 (Lacepede)  
 316. *Scomberomorus guttatus*  
 (Bloch & Schneider)  
 Family TRICHIURIDAE  
 317. *Eupleurogrammus glossodon*  
 (Bleeker)  
 318. *Eupleurogrammus muticus*  
 (Gray)  
 319. *Lepturacanthus pentului* (Gupta)  
 320. *Lepturacanthus savala* (Cuvier)  
 321. *Trichiurus gangeticus* (Gupta)  
 322. *Trichiurus lepturus* Linnaeus  
 Family ARIOMMATIDAE  
 323. *Ariomma indica* (Day)  
 Family STROMATEIDAE  
 324. *Pampus argenteus* (Euphrasen)  
 325. *Pampus chinensis* (Euphrasen)  
 Family CONGROGADIDAE  
 326. *Halidesmus thomasi* (Nielsen)  
 Family URANOSCOPIDAE  
 327. *Uranoscopus congatus* Cantor  
 Order PLEURONECTIFORMES  
 Family BOTHIDAE  
 328. *Engyprosopon grandisquamis*  
 (Temminck & Schlegel)  
 Family PARALICHTHYIDAE  
 329. *Pseudorhombus arsius* (Hamilton)  
 330. *Pseudorhombus elevatus* Ogilby  
 331. *Pseudorhombus javanicus* (Bleeker)  
 332. *Pseudorhombus malayanus*  
 Bleeker  
 333. *Pseudorhombus triocellatus* (Bloch)  
 Family CITHARIDAE  
 334. *Brachypleura novae-zeelandiae*  
 Gunther  
 Family PSETTODIDAE  
 335. *Psettodes erumei* (Schneider)  
 Family CYNOGLOSSIDAE  
 336. *Cynoglossus arel* (Schneider)  
 337. *Cynoglossus cynoglossus*  
 (Hamilton)  
 338. *Cynoglossus lida* (Bleeker)  
 339. *Cynoglossus lingua* Hamilton  
 340. *Cynoglossus macrostomus*  
 Norman  
 341. *Cynoglossus puncticeps*  
 (Richardson)  
 342. *Cynoglossus semifasciatus* Day  
 343. *Paraplagusia bilineata* (Bloch)  
 344. *Paraplagusia blochii* (Bleeker)  
 345. *Symphurus gilesii* (Alcock)  
 Family SOLEIDAE  
 346. *Brachirus macrolepis* (Bleeker)  
 347. *Brachirus pan* (Hamilton)  
 348. *Heteromycteris oculus* (Alcock)  
 349. *Synaptura albomaculata* Kaup  
 350. *Synaptura commersoniana*  
 (Lacepede)  
 351. *Zebrias altipinnis* (Alcock)  
 352. *Zebrias quagga* (Kaup)  
 Orders SCORPAENIFORMES  
 Family SCORPAENIDAE  
 353. *Brachypterois serrulatus*  
 (Richardson)  
 354. *Pterois russellii* (Bennett)  
 Family SYNANCEIIDAE  
 355. *Minous coccineus* (Alcock)

356. *Trachicephalus uranoscopus* (Bloch & Schneider)  
Family PLATYCEPHALIDAE
357. *Cociella crocodila* (Tilesius)
358. *Grammoplites scaber* (Linnaeus)
359. *Platycephalus indicus* (Linnaeus)
360. *Sorsogona tuberculata* (Currier)
361. *Suggrundus rodricensis* (Cuvier)  
Orders SILURIFORMES  
Family ARIIDAE
362. *Arius arius* (Hamilton-Buchanan)
363. *Nemapteryx caelata* (Valenciennes)
364. *Plicafollis dussumieri* (Valenciennes)
365. *Arius gagora* (Hamilton)
366. *Arius jella* (Valenciennes)
367. *Arius gogoroides* (Valenciennes)
368. *Nemapteryx nenga* (Hamilton)
369. *Arius maculatus* (Thunberg)
370. *Nemapteryx Macranotacantha* (Bleeker)
371. *Plicofollis platystomus* (Day)
372. *Henanematichtys sagor* (Hamilton)
373. *Hemiarius sona* (Hamilton)
374. *Plicogollis tenuispinis* (Day)
375. *Netuma thalassina* (Ruppell)
376. *Batrachocephalus mino* (Hamilton-Buchanan)
377. *Cephalocassis jatilla* (Hamilton)
378. *Osteogeneiosus militaris* (Linnaeus)  
Family PLOTOSIDAE
379. *Plotosus canius* Hamilton
380. *Plotosus lineatus* (Thunberg)  
Orders SYNGNATHIFORMES  
Family CENTRISCIDAE
381. *Aeoliscus strigatus* (Gunther)
- Family FISTULARIIDAE
382. *Fistularia petimba* Lacepede  
Family SYNGNATHIDAE
383. *Hippichthys specifer* (Ruppell)
384. *Ichthyocampus carce* (Hamilton)
385. *Microphis cuncalus* (Hamilton)  
Orders TETRAODONTIFORMES  
Family BALISTIDAE
386. *Canthidermis rotundatus* (Proce)  
Family OSTRACIIDAE
387. *Rhynchostracion nasus* (Bloch)  
Family TRICANTHIDAE
388. *Pseudotriacanthus strigilifer* (Cantor)
389. *Triacanthus biaculeatus* (Bloch)
390. *Triphichthys weberi* (Chaudhuri)  
Family TETRAODONTIDAE
391. *Arothron immaculatus* (Bloch & Schneider)
392. *Chelonodon canigriviridis* (Proce)
393. *Chelonodon fluviatilis* (Hamilton)
394. *Chelonodon patoca* (Hamilton)
395. *Arothron nigropunctatus* (Bloch & Schneider)
396. *Arothron stellatus* (Bloch & Schneider)
397. *Takifugu oblongus* (Bloch)
398. *Lagocephalus lunaris* (Bloch & Schneider)
399. *Lagocephalus sceleratus* (Gmelin)
400. *Tetraodon cutcutia* (Hamilton)
401. *Lagocephalus lunaris* (Temrinck & Schlegel)  
Family DIODONTIDAE
402. *Diodon liturosus* Shaw  
Family MOLIDAE
403. *Ranzania laevis* (Pennart)

**CHORDATA : AMPHIBIA**

Phylum CHORDATA  
 Subphylum VERTEBRATA  
 Class AMPHIBIA  
 Order APODA/GYMNOPHIONA  
 Family ICHTHYOPHIIDAE

1. *Ichthyophis sikkimensis* Taylor

*Common Name* : Sikkimese Caecilian.

*Distribution* : Darjiling (Kurseong, Sureil).

Order URODELA/CAUDATA  
 Family SALAMANDRIDAE

2. *Tylotriton verrucosus* Anderson  
 Schedule II, Endangered

*Common Name* : The Himalayan Salamander.

*Distribution* : Darjiling (Sonada, Pachang, Jorpokhori, Namthing pokhri).

Order ANURA/SALIENTIA  
 Family BUFONIDAE

3. *Bufo stomaticus* Lutken

*Common Name* : Marbled Toad.

*Distribution* : Bankura (Bishnupur, Mukutmanipur, Sareswar, Jayrambati, Simlapal, Beliatore), Birbhum (Bakreswar, Rampurhat), Koch Bihar (Tufanganj, Dinhat, Mathabhanga), Maldah (Gour), Medinipur (Mandalpushkarini, Hijli, Garbetta, Arabari, Jhargram, Belpahari, Tamluk, Kontai, Digha) and Puruliya (Puruliya town).

4. *Duttaphrynus himalayanus* (Gunther)

*Common Name* : The Himalayan Toad.

*Distribution* : Darjiling (Darjiling Botanical garden, Kurseong, Sonada, Mirik, Ghoombanjan).

5. *Duttaphrynus melanostictus*  
 (Schneider)

*Common Name* : Common Toad.

*Distribution* : North 24 Pgs. (Parmadan, Bongaon, Helencha, Duttaphulia), South 24 Pgs. (Namkhana, Sagar Island, Canning,

Gosaba, Kakdwip), Bankura (Bishnupur, Simlapal, Beliatore), Bardhaman (Kajoria, Kulti), Birbhum (Sainthia, Bakreswar, Suri, Bolpur, Ahmedpur, Rampurhat), Koch Bihar (Koch Bihar town), Darjiling (Panighata, Mahananda, Bamanpokhori, Sukna), Jalpaiguri (Jainti, Rydak), Maldah (Ratua, Adampur, Baishanabanagar, Maldah town, Kaliachak, Gazole, Chanchal, Gour), Medinipur (Digha, Arabari, Jhargram), Murshidabad (Jalangi, Kandi, Baharampur, Lalgola, Dhulian, Swarupganj Bhabta, Jiaganj), Nadia (Karimpur, Bethuadahari), Puruliya (Arsa, Manbazar, Kenda), W. Dinajpur (Kumarganj, Gangarampur, Buniadpur, Hilli, Balurghat, Raiganj, Kaliganj, Chopra, Islampur) and Kolkata.

Family MEGOPHRYIDAE

6. *Scutigera sikkimensis* (Blyth)

*Common Name* : Sikkimese Toad.

*Distribution* : Darjiling (Singhalila NP).

7. *Xenophrys glandulosa* (Boulenger)

*Common Name* : Glandulated Megophryid Frog.

*Distribution* : Darjiling (Latpancher).

8. *Xenophrys parva* (Boulenger)

*Common Name* : Burmese Megophryid Frog.

*Distribution* : Darjiling (Kurseong, Ghum Bhanjan, Sukhiapokhri, Kalimpong).

9. *Xenophrys robusta* (Boulenger)

*Common Name* : Robust Megophryid Frog.

*Distribution* : Darjiling (Senchal WLS).

Family MICROHYLIDAE

10. *Kalophrynus interlineatus* (Blyth)

*Common Name* : Interlineated Sticky Frog.

*Distribution* : Jalpaiguri (Chilapata RF).

11. *Kaloula assamensis* Das et al.

*Common Name* : Assam Painted Frog.

*Distribution* : Jalpaiguri (Chilapata RF).

**12. *Kaloula taprobanica* Parker**

*Common Name* : Indian Painted Frog.

*Distribution* : North 24 Pgs. (Bongaon), Bankura (Bishnupur), Birbhum (Bolpur), Koch Bihar (Dinhata), Haora (Chandannagar), Hugli, Medinipur, Nadia (Bethuadahari), Puruliya (Santalidi) and W. Dinajpur (Raiganj).

**13. *Microhyla ornata* Dumeril & Bibron**

*Common Name* : Ornate narrow-mouthed Frog.

*Distribution* : North 24 Pgs. (Parmadan, Bongaon, Helencha, Duttaphulia), South 24 Pgs. (Kakdwip), Bankura (Bishnupur), Bardhaman (Bardhaman town), Birbhum (Sainthia, Suri, Bolpur, Ahmedpur, Rampurhat), Koch Bihar (Toofanganj, Dinhata, Mekliganj, Mathabhanga), Jalpaiguri (Jainti), Maldah (Chanchal, Gabgachhiya, Maldah town, Kaliachak, Gour), Medinipur (Mandalpushkarini, Arabari, Digha), Murshidabad (Baharampur, Lalgola, Dhulian, Kandi, Swarupganj, Bhabta, Jiyaganj), Nadia (Bethuadahari Karimpur), Puruliya (Arsa, Manbazar, Kenda) and W. Dinajpur (Hilli).

**14. *Uperodon globulosus* (Gunther)**

*Common Name* : Balloon Frog.

*Distribution* : North 24 Pgs., South 24 Pgs., Darjiling (Mahananda WLS), Haora, Hugli, Jalpaiguri (Dhupguri, Sulka para) and Medinipur (Mandalpuskarini).

Family DICROGLOSSIDAE

**15. *Euphlyctis cyanophlyctis* (Schneider)**

*Common Name* : Skittering Frog.

*Distribution* : North 24 Pgs. (Bangaon, Helencha, Duttaphulia, Parmadan), South 24 Pgs. (Jharkhali, Sajnakhali, Namkhana, Frazerganj, Sagar Island, Gosaba, Kakdwip), Bankura (Bishnupur, Bankura town, Rajagram, Gandeshwari, Sareswar, Kotalpur, Simlapal, Panchmura, Raipur, Sonamukhi), Bardhaman (Ranigunje, Ukhra, Kojoria, Salanpur), Birbhum (Sainthia, Suri, Bolpur, Ahmedpur, Rampurhat),

Koch Bihar (Koch Bihar town, Tufanganj, Dinhata, Mekliganj, Mathabhanga), Darjiling (Siliguri, Sukna, Chalsa, Bamanpokhri, Kurseong, Panighat), Jalpaiguri (Jalpaiguri town, Khutimari, Garikata, Rajabhatkhawa, Jainti, Sulka para, Sevok, Lataguri, Chilapata), Maldah (Maldah town, Kaliachak, Tulsihata, Chanchal), Medinipur (Digha, Mandalpuskarin, Garbeta, Arabari, Jhargram, Belpahari, Tamluk, Kanthi, Datan, Hijli, Khirai), Murshidabad (Baharampur, Lalgola, Dhulian, Kandi, Swarupganj, Bhabta, Jiaganj), Nadia (Bethuadahari, Karimpur), Puruliya (Puruliya town, Kenda, Balarampur) and W. Dinajpur (Hoseinpur, Balurghat, Gangarampur, Hilli, Raiganj, Kaliaganj, Islampur, Chopra).

**16. *Euphlyctis hexadactylus* (Lesson)**

*Common Name* : Green Pond Frog.

*Distribution* : North 24 Pgs., South 24 Pgs., Haora and Hugli.

**17. *Fejervarya orissaensis* (Dutta)**

*Common Name* : Orissa Cricket Frog.

*Distribution* : Medinipur, Hugli, Haora and South 24 Pgs.

**18. *Fejervarya pierrei* (Dubios)**

*Common Name* : Pierre's Cricket Frog.

*Distribution* : Darjiling (Mirik).

**19. *Fejervarya teraiensis* (Dubios)**

*Common Name* : Terai Cricket Frog.

*Distribution* : North 24 Pgs. (Bangaon, Helencha, Duttaphulia, Parmadan), South 24 Pgs. (Sajnakhali, Jharkhali, Namkhana, Sagar Island, Kakdwip, Gosaba), Bankura (Bankura town, Sareswar, Bishnupur, Panchmura, Raipur, Belitore, Sonamukhi), Bardhaman (Bardhaman town, Ukhra), Birbhum (Suri, Bolpur, Ahmedpur, Rampurhat, Sainthia), Koch Bihar (Koch Bihar town, Tufanganj, Dinhata, Mekliganj, Mathabhanga), Darjiling (Kalimpong, Mirik, Bamanpokhori, Sukna), Jalpaiguri (Khutimari, Gairkata, Rajabhatkhawa, Jainti, Rydak, Jalpaiguri town), Maldah (Chanchal, Gazole, Maldah town, Kaliachak, Gour),



Medinipur (Khirai, Mandalpuskari, Garbeta, Arabari Jhargram, Belpahari, Tamluk, Kontai, Digha, Dantan, Hizli), Murshidabad (Baharampur, Lalgola, Dhulian, Kandi, Bhabta, Jalangi, Jiyaganj), Nadia (Karimpur, Bethuadahari, Swarupganj), Puruliya, (Santaldi, Puruliya town, Sarabhum, Kharbari, Arsa, Manbazar, Hariharpur, Balarampur, Kenda) and W. Dinajpur (Balurghat, Gangarampur, Hilli, Kaliaganj, Raiganj, Islampur, Chopra).

20. ***Hoplobatrachus crassus*** (Jerdon)

*Common Name* : Jerdon's Bull Frog.

*Distribution* : North 24 Pgs. (Bangaon, Halencha, Duttaphulia, Parmadan), Bankura (Panchmura, Simlapal, Raipur, Beliatore), Birbhum (Sainthia, Bolpur, Ahmadpur, Rampurhat), Koch Bihar (Koch Bihar town, Mathabhanga), Maldah (Tulsihata, Chanchal, Gazole, Maldah town, Kaliachak, Gour), Medinipur (Mandalpushkarini, Garbeta, Dantan), Murshidabad (Baharampur, Lalgola, Dhulian, Kandi, Swarupganj, Bhabta, Jiyaganj), Nadia (Bethuadahari, Karimpur), Puruliya (Arsa, Shirkabad, Kenda, Manbazar, Puruliya town) and W. Dinajpur (Balurghat, Islampur).

21. ***Hoplobatrachus tigerinus*** (Daudin)

*Common Name* : Indian Bull Frog.

*Distribution* : South 24 Pgs. (Kakdwip, Jharkhali), North 24 Pgs. (Parmadan), Bankura (Jaipur, Bankura town), Birbhum (Suri), Koch Bihar (Koch Bihar town, Tufanganj, Dinhat, Mekliganj, Mathabhanga), Darjiling (Mahananda WLS), Jalpaiguri (Khutimari, Rydak, Sulka para), Maldah (Tulsihata, Chanchal, Gazole, Maldah town, Kaliachak, Gour), Medinipur (Mandalpuskharini, Jhargram, Tamluk, Contai, Digha, Dantan, Hijli, Khirai), Murshidabad (Kandi), Nadia (Bethuadahari, Karimpur), Puruliya (Arsa) and W. Dinajpur (Balurghat, Hilli, Raiganj, Kaliaganj, Islampur, Chopra).

22. ***Minervarya chilapata*** Ohler *et al.*

*Common Name* : Chilapata rain-pool frog.

*Distribution* : Jalpaiguri (Chilapata RF).

23. ***Nanorana annandalii*** (Boulenger)

*Common Name* : Annandale's Frog.

*Distribution* : Darjiling.

24. ***Nanorana blanfordi*** (Boulenger)

*Common Name* : Blanford's frog.

*Distribution* : Darjiling (Senchal WLS).

25. ***Nanorana conaensis*** (Fei & Huang)

*Common Name* : Cona Bull Frog.

*Distribution* : Darjiling (Neora Valley NP).

26. ***Nanorana liebigii*** (Gunther)

*Common Name* : Himalayan Bull Frog.

*Distribution* : Darjiling (Palmajua, Mahanadi, Kurseong).

27. ***Ombrana sikimensis*** (Jerdon)

*Common Name* : Sikkimese Frog.

*Distribution* : Darjiling.

28. ***Sphaerotheca breviceps*** (Schneider)

*Common Name* : Burrowing frog.

*Distribution* : North 24 Pgs. (Bangaon, Duttaphulia, Parmadan), Bankura (Simlapal, Punchmura), Birbhum (Sainthia, Bolpur, Rampurhat), Jalpaiguri (Sulka para, Jainti, Rydak), Medinipur (Digha, Garbeta, Arabari), Murshidabad (Dhulian, Bhabta), Nadia (Bethuadahari, Karimpur), Puruliya (Kenda) and W. Dinajpur (Chopra, Islampur).

Family RANIDAE

29. ***Amolops formosus*** (Gunther)

*Common Name* : Beautiful Stream Frog.

*Distribution* : Darjiling.

30. ***Amolops himalayanus*** (Boulenger)

*Common Name* : Himalayan Stream Frog.

*Distribution* : Darjiling.

31. ***Amolops marmoratus*** (Blyth)

*Common Name* : Marmorated Stream Frog.

*Distribution* : Darjiling.

32. ***Amolops monticola*** (Anderson)

*Common Name* : Monticolated Stream Frog.

*Distribution* : Darjiling.

33. ***Hylarana tytleri*** Theobald

*Common Name* : Reed Frog.

*Distribution* : South 24 Pgs., Haora, Hugli, Nadia, Murshidabad, Maldah, North Dinajpur, South Dinajpur and Jalpaiguri.

Family RHACOPHORIDÆ

34. ***Chirixalus simus*** Annandale

*Common Name* : Annandale's Tree Frog.

*Distribution* : South 24 Pgs. (Rajpur).

35. ***Philautus annandalli*** (Boulenger)

*Common Name* : Annandale's Bush frog.

*Distribution* : Darjiling (Kalimpong, Kurseong, Sonada, Ghum Bhanjan).

36. ***Polypedates maculatus*** (Gray)

*Common Name* : Common Tree frog.

*Distribution* : North 24 Pgs. (Parmadan), Bankura (Bishnupur, Simlapal), Bardhaman (Asansol), Birbhum (Sainthia, Bolpur), Koch Bihar (Koch Bihar town, Mathabhanga), Murshidabad (Swarupgang, Bhabta), Nadia (Bethuadahari) and Puruliya (Arsa).

37. ***Polypedates teraiensis*** (Dubois)

*Common Name* : Terai Tree Frog.

*Distribution* : Jalpaiguri, Koch Bihar and Darjiling.

38. ***Philautus jerdoni*** (Gunther)

*Common Name* : Jerdon's Tree Frog.

*Distribution* : Darjiling.

39. ***Rhacophorus maximus*** Gunther

*Common Name* : Large Tree Frog.

*Distribution* : Darjiling (Mahananda WLS).

**CHORDATA : REPTILIA**

Phylum CHORDATA

Subphylum VERTEBRATA

Class REPTILIA

Order CROCODYLIA

Family GAVIALIDAE

1. **Gavialis gangeticus** (Gmelin, 1789)*Common name* : Gharial.*Distribution* : Nadia (Ranaghat).*Conservation Status* : Schedule I, App-I, Critically Endangered.

Family CROCODYLIDAE

2. **Crocodylus porosus** Schneider, 1801*Common name* : Saltwater crocodile.*Distribution* : North 24 Pgs. (Bhagabatpur) and South 24 Pgs. (Sunderban).*Conservation Status* : Schedule I, App-I, Least concern.

Order TESTUDINES

Family CHELONIDAE

3. **Chelonia mydas** (Linnaeus, 1758)*Common name* : Green Sea Turtle.*Distribution* : Sunderban (South 24 Pgs.).*Conservation Status* : Schedule I, App-I, Endangered.4. **Eretmochelys imbricata** (Linnaeus, 1766)*Common name* : Hawksbill Sea Turtle.*Distribution* : Sunderban (South 24 Pgs.) with rare occurrence.*Conservation Status* : Schedule I, App-I, Critically Endangered.5. **Lepidochelys olivacea** (Eschscholtz, 1829)*Common name* : Olive Ridley Sea Turtle.*Distribution* : Medinipur (Digha) and South 24 Pgs. (Sunderban).*Conservation Status* : Schedule I, App-I, Vulnerable.

Family GEOMYDIDAE

6. **Batagur baska** (Gray, 1830 "1830-1835)*Common name* : River terrapin or Mangrove terrapin.*Distribution* : South 24 Pgs. (Sunderban).*Conservation Status* : Schedule I, App-I, Critically Endangered.7. **Batagur kachuga** (Gray, 1831)*Common name* : Red-crowned Roofed Turtle.*Distribution* : Koch Bihar (Baneswar), Kolkata (Golf green) and North 24 Pgs. (Salt Lake).*Conservation Status* : Schedule I, App-II, Critically Endangered.8. **Batagur dhongoka** (Gray, 1832).*Common Name* : Three-striped Roofed Turtle.*Distribution* : Kolkata and North 24 Pgs. (Salt lake).*Conservation Status* : App-II, Endangered.9. **Geoclemys hamiltonii** (Gray, 1831)*Common name* : Spotted Pond Turtle.*Distribution* : South 24 Pgs. (Hoogly River), Calcutta, Sukna and Matla River in Southern Bengal.*Conservation Status* : Schedule I, App-I, Vulnerable.10. **Pangshura tectum** (Bell in Gray, 1831)*Common name* : Indian Roofed Turtle.*Distribution* : North 24 Pgs. (Palta), Titagarh, Barrackpur, South 24 Pgs. (Sunderban), Kolkata, Haora (Botanical garden) and Jalpaiguri (Gorumara).*Conservation Status* : Schedule I, App-I, Vulnerable.11. **Pangshura tentoria** (Gray, 1834)*Common name* : Indian Tent Turtle.*Distribution* : Darjiling (Mahananda WLS).*Conservation Status* : Schedule I, App-II, Least Concern.

12. ***Melanochelys tricarinata*** (Blyth, "1855" 1856)  
*Common name* : Tricarinate Hill Turtle.  
*Distribution* : Jalpaiguri (Baradighi Tea Estate).  
*Conservation Status* : Schedule I, App-I, Vulnerable.
13. ***Hardella thurgii*** (Gray, 1831)  
*Common Name* : Crowned River Turtle.  
*Distribution* : Kolkata.  
*Conservation Status* : Vulnerable.  
 Family TESTUDINIDAE
14. ***Indotestudo elongata*** (Blyth, 1853)  
*Common name* : Elongated Tortoise.  
*Distribution* : Jalpaiguri (Baradighi Tea estate).  
*Conservation Status* : Schedule I, App-II, Endangered.  
 Family TRIONYCHIDAE
15. ***Chitra indica*** (Gray, 1831)  
*Common name* : Narrow-headed Softshell Turtle.  
*Distribution* : South 24 Pgs. (Sunderban) and Jalpaiguri (Gorumara).  
*Conservation Status* : Schedule IV, Appendix II, Endangered.
16. ***Lissemys punctata*** (Bonnaterre, 1789)  
*Common name* : Indian Flapshell Turtle.  
*Distribution* : South 24 Pgs. (Sunderban), North 24 pgs.  
*Conservation Status* : Schedule I, App-II, Least Concern.
17. ***Nilssonina gangetica*** (Cuvier, 1825)  
*Common name* : Indian Softshell turtle.  
*Distribution* : South 24 Pgs. (Hugli River) and South 24 Pgs. (Sunderban).  
*Conservation Status* : Schedule I, App-I, Vulnerable
18. ***Nilssonina hurum*** (Gray, 1831)  
*Common name* : Indian Peacock Softshell Turtle.  
*Distribution* : South 24 Pgs. (Hugli River, Sunderban), Haora (Uttarpara) and Jalpaiguri (Gorumara).  
*Conservation Status* : Schedule I, App-I, Vulnerable.
19. ***Pelochelys cantorii*** Gray, 1864  
*Common name* : Asian Giant Softshell turtle.  
*Distribution* : Hugli River.  
*Conservation Status* : Schedule I, App-II, Endangered.
- Order SQUAMATA  
 Suborder SAURIA  
 Family GEKKONIDAE
20. ***Hemidactylus platyurus*** (Schneider, 1792)  
*Common name* : Flat-tailed gecko.  
*Distribution* : Darjiling.
21. ***Cyrtodactylus khasiensis*** (Jerdon, 1870)  
*Common name* : Khasi Hills bent-toed gecko.  
*Distribution* : Darjiling (Gopaldhara).
22. ***Cyrtodactylus gubernatoris*** (Annandale, 1913a)  
*Common name* : Sikkimese bent-toed gecko.  
*Distribution* : Darjiling.
23. ***Gekko gekko*** (Linnaeus, 1758)  
*Common name* : Tokay gecko.  
*Distribution* : Found all over West Bengal.
24. ***Hemidactylus bowringii*** (Gray, 1845)  
*Common name* : Bowring's gecko.  
*Distribution* : Darjiling (Jarkhola) and Jalpaiguri (Teesta P.W.D. Bungalow).
25. ***Hemidactylus brookii*** Gray, 1845  
*Common name* : Brooke's house gecko.  
*Distribution* : West Dinajpur (Balurghat), Bankura (Kalaneshwar), Birbhum (Bolesunda), Kolkata (Zoo Garden), Barddhaman, Murshidabad (Bagdabra forest) and Puruliya (Chitidih village).

26. ***Hemidactylus flaviviridis*** Rüppell, 1835  
*Common name* : Yellow-green house gecko.  
*Distribution* : South 24 Pgs. (Sunderban), North 24 Pgs. (Gobindapur), Bankura (P.W.D. Bungalow), Birbhum (Bhatkara forest), Kolkata, Jalpaiguri (Jaldapara WLS), Maldah (Gour), Murshidabad (Chandur village) and Puruliya (Dhopaghat).
27. ***Hemidactylus frenatus*** Duméril & Bibron, 1836  
*Common name* : Asian house gecko.  
*Distribution* : West Dinajpur (Bahurghar), South 24 Pgs. (Sunderban), Birbhum (Ballavpur RF), Koch Bihar (Koch Bihar Rly. station), Darjiling (Sukhna forest), Murshidabad (Bhagirathir Char) and Nadia (Jagulia).
28. ***Hemidactylus garnotii*** Duméril & Bibron, 1836  
*Common name* : Garnot's gecko.  
*Distribution* : North Bengal.
29. ***Hemidactylus leschenaultii*** Duméril & Bibron, 1836  
*Common name* : Bark gecko.  
*Distribution* : South 24 Pgs. (Gosaba), Darjiling (Mahananda WLS), Maldah (Muchia village) and Murshidabad (Lalbagh).  
 Family AGAMIDAE
30. ***Calotes rouxii*** Dumeril & Bibron, 1837  
*Common name* : Roux's forest lizard.  
*Distribution* : Darjiling (Kalimpong).
31. ***Calotes versicolor*** (Daudin, 1802)  
*Common name* : Indian garden lizard.  
*Distribution* : Common throughout West Bengal.
32. ***Japalura tricarinata*** (Blyth, 1853)  
*Common name* : Three-keeled mountain lizard.  
*Distribution* : Darjiling.
33. ***Japalura variegata*** Gray, 1853  
*Common name* : Variegated mountain lizard.  
*Distribution* : Darjiling.
34. ***Psammophilus blanfordanus*** (Stoliczka, 1871b)  
*Common name* : Blandford's rock agama.  
*Distribution* : Bankura (Mukutmanipur), Nadia (Madanpur) and Puruliya (Joychandi Hill).
35. ***Sitana ponticeriana*** Cuvier, 1829  
*Common name* : Fan-throated lizard.  
*Distribution* : Bankura (Dhankora), Birbhum (Bhatkara forest) and Darjiling (Mahananda WLS). Medinipur and Bardhaman.  
 Family ANGUIDAE
36. ***Ophisaurus gracilis*** (Gray, 1845)  
*Common name* : Burmese Glass Snake.  
*Distribution* : Darjiling.  
 Family CHAMAELEONIDAE
37. ***Chamaeleo zeylanicus*** Laurenti, 1768  
*Common name* : Indian chameleon.  
*Distribution* : South 24 Pgs. (Sunderban), Jalpaiguri (Jaldapara WLS) and Medinipur (Paddapukur).  
*Conservation Status* : Schedule IV, App-II.  
 Family SCINCIDAE
38. ***Eutropis carinata*** (Schneider, 1801)  
*Common name* : Keeled grass skink.  
*Distribution* : South 24 Pgs. (STR), Bankura (Bashi), Birbhum (Goadihi vill.), Murshidabad (Hariharpara vill.) and Puruliya (Chandan Hill).
39. ***Eutropis dissimilis*** (Hallowell, 1857)  
*Common name* : Stripped grass skink.  
*Distribution* : South 24 Pgs. (STR).
40. ***Eutropis macularia*** (Blyth, 1853)  
*Common name* : Bronze grass skink.  
*Distribution* : South 24 Pgs. (Narayantala), Haora (Botanical Garden) and Medinipur (Gope forest).
41. ***Eutropis multifasciata*** (Kuhl, 1820)  
*Common Name* : Many-lined grass skink.  
*Distribution* : South 24 Pgs. (Bango range, Sunderban Tiger Reserve).

42. ***Lygosoma albopunctata*** (Gray, 1846)  
*Common name* : White-spotted supple skink.  
*Distribution* : South 24 Pgs. (STR), Birbhum (Raichandrapur), Kolkata (Belgachia), Haora (Botanical garden), Maldah (Bulbul Chandi village), Medinipur (Digha), Murshidabad (Bagdabra) and Nadia (Bethuadahari).
43. ***Lygosoma punctata*** (Linnaeus, 1758)  
*Common name* : Spotted supple skink.  
*Distribution* : South 24 Pgs. (Kakdwip), Darjiling (Kalimpong) and Medinipur (Danton).
44. ***Asymblepharus sikimensis*** (Blyth, 1853)  
*Common name* : Sikkimese rock skink.  
*Distribution* : Darjiling (Jalapahar).
45. ***Sphenomorphus indicus*** (Gray, 1853)  
*Common name* : Himalayan litter skink.  
*Distribution* : Darjiling (Pashoke).
46. ***Sphenomorphus maculatus*** (Blyth, 1853)  
*Common name* : Spotted litter skink.  
*Distribution* : Darjiling (Kalimpong).  
 Family VARANIDAE
47. ***Varanus bengalensis*** (Daudin, 1802)  
*Common name* : Bengal Monitor.  
*Distribution* : West Dinajpur (Chapra), South 24 Pgs. (STR), North 24 Pgs. (Barrackpore), Kolkata, Darjiling (Darjiling), Jalpaiguri (Jalpaiguri) and Nadia (Krishnanagar).  
*Conservation Status* : Schedule I, App-I, Endangered.
48. ***Varanus flavescens*** (Hardwicke & Gray, 1827)  
*Common name* : Yellow Monitor.  
*Distribution* : North 24 Pgs. (Pathar Pratima), Kolkata and Haora (Botanical Garden).  
*Conservation Status* : Schedule I, App-I, Endangered.
49. ***Varanus salvator*** (Laurenti, 1768)  
*Common name* : Water Monitor.  
*Distribution* : South 24 Pgs. (STR), North 24 Pgs. (Baisalakhipur), and Haora (Botanical Garden).  
*Conservation Status* : Schedule II, App-II, Endangered.  
 Suborder OPHIDIA  
 Family TYPHLOPIDAE
50. ***Ramphotyphlops braminus*** (Daudin, 1803)  
*Common name* : Brahminy Worm Snake.  
*Distribution* : South 24 Pgs. (STR), North 24 Pgs. (Sampa Mirzanagar), Kolkata, Darjiling (Sevok), Haora (Bally), Hugli (Serampore), Jalpaiguri (Haldibari) and Medinipur (Contai).  
*Conservation Status* : Schedule IV.
51. ***Rhinotyphlops acutus*** (Duméril, Bibron & Duméril, 1844)  
*Common name* : Beaked Worm Snake.  
*Distribution* : Kolkata and Nadia (Krishnanagar).  
*Conservation Status* : Schedule IV.
52. ***Typhlops diardii*** Schlegel, 1839  
*Common name* : Diard's Worm Snake.  
*Distribution* : Haora (Botanical garden).  
*Conservation Status* : Schedule IV.
53. ***Typhlops jerdoni*** Boulenger, 1890  
*Common name* : Jerdon's Worm Snake.  
*Distribution* : North Bengal.  
*Conservation Status* : Schedule IV.
54. ***Typhlops meszoelyi*** Wallach, 1999  
*Common Name* : Worm Snake.  
*Distribution* : Darjiling.  
*Conservation Status* : Schedule IV.
55. ***Typhlops oligolepis*** Wall, 1909  
*Common name* : Wall's Worm Snake.  
*Distribution* : Darjiling district. The type locality given is "Nagri Valley below Darjiling [India] at an altitude of about 5000 feet."  
*Conservation Status* : Schedule IV.

56. ***Typhlops porrectus*** Stoliczka, 1871  
*Common name* : Slender Worm Snake.  
*Distribution* : South 24 Pgs. (STR), North 24 Pgs. (Kanchrapara), Kolkata and Darjiling (Darjiling).  
*Conservation Status* : Schedule IV.  
 Family BOIDAE
57. ***Eryx conicus*** (Schneider, 1801)  
*Common name* : Common Sand Boa.  
*Distribution* : South 24 Pgs. (Garia).  
*Conservation Status* : Schedule IV, App-II.
58. ***Python molurus*** (Linnaeus, 1758)  
*Common name* : Indian Rock Python.  
*Distribution* : Jalpaiguri (Gorumara NP), Nadia (Bethuadahari) and South 24 Pgs. (Sunderban).  
*Conservation Status* : Schedule I, App-I, Near Threatened.
59. ***Broghammerus reticulatus*** (Schneider, 1801)  
*Common name* : Reticulated Python.  
*Distribution* : Purulia, Jalpaiguri (BTR) and Darjiling (Kalijhora).  
*Conservation Status* : Schedule I, App-I, Endangered.  
 Family ACROCHORDIDAE
60. ***Acrochordus granulatus*** (Schneider, 1799)  
*Common name* : File Snake.  
*Distribution* : South 24 Pgs. (STR), North 24 Pgs. (Matlah River), Kolkata and Haora (Botanical Garden).  
*Conservation Status* : Schedule IV.  
 Family COLUBRIDAE
61. ***Ahaetulla nasuta*** (Lacepède, 1789)  
*Common name* : Common Vine Snake.  
*Distribution* : South 24 Pgs. (STR), North 24 Pgs., Birbhum (Ilambazar) and Kolkata (Zoological Garden).  
*Conservation Status* : Schedule IV.
62. ***Ahaetulla prasina*** (Boie, 1827)  
*Common name* : Short-nosed Vine Snake.  
*Distribution* : Darjiling (Darjiling), Jalpaiguri.  
*Conservation Status* : Schedule IV.
63. ***Dendrelaphis tristis*** (Daudin, 1803)  
*Common name* : Common Bronzeback Tree Snake.  
*Distribution* : Jalpaiguri (Gorumara NP), Kolkata, Haora, Birbhum, Puruliya and Nadia.  
*Conservation Status* : Schedule IV.
64. ***Amphiesma khasiense*** (Boulenger, 1890)  
*Common Name* : Khasi Hills Keelback.  
*Distribution* : Darjiling (Sureil).  
*Conservation Status* : Schedule IV.
65. ***Amphiesma parallelum*** (Boulenger, 1890)  
*Common name* : Boulenger's Striped Keelback.  
*Distribution* : Darjiling.  
*Conservation Status* : Schedule IV.
66. ***Amphiesma platyceps*** (Blyth, 1854)  
*Common name* : Eastern Keelback.  
*Distribution* : Darjiling (Takdah).  
*Conservation Status* : Schedule IV.
67. ***Amphiesma stolatum*** (Linnaeus, 1758)  
*Common name* : Buff-striped Keelback.  
*Distribution* : West Dinajpur (Chapra), South 24 Pgs. (Bhakkhali), Bankura (Patra vill.), Birbhum (Chandrapur vill.), Kolkata, Darjiling (Mahananda WLS), Jalpaiguri (Kantalipara), Murshidabad (Karjadanga vill.) and Puruliya (Chitidih vill.).  
*Conservation Status* : Schedule IV.
68. ***Argyrogena fasciolata*** (Shaw, 1802)  
*Common name* : Banded Racer.  
*Distribution* : Kolkata.  
*Conservation Status* : Schedule IV.

69. ***Atretium schistosum*** (Daudin, 1803)  
*Common name* : Olive Keelback Water Snake.  
*Distribution* : South 24 Pgs. (Arapach vill.).  
*Conservation Status* : Schedule IV, App-I.
70. ***Boiga cyanea*** (Duméril, Bibron & Duméril, 1854)  
*Common name* : Green Cat Snake.  
*Distribution* : South 24 Pgs. and North 24 Pgs.  
*Conservation Status* : Schedule IV.
71. ***Boiga forsteni*** (Dumeril, Bibron & Dumeril, 1854)  
*Common Name* : Forsten's Cat Snake.  
*Distribution* : Darjiling.  
*Conservation Status* : Schedule IV.
72. ***Boiga gokool*** (Gray, 1835)  
*Common name* : Eastern Cat Snake.  
*Distribution* : Kolkata, Jalpaiguri and Darjiling.  
*Conservation Status* : Schedule IV.
73. ***Boiga multifasciata*** (Blyth, "1860" 1861)  
*Common name* : Many-banded Cat Snake.  
*Distribution* : Darjiling.  
*Conservation Status* : Schedule IV.
74. ***Boiga ochraceus*** (Günther, 1868)  
*Common name* : Tawny Cat Snake.  
*Distribution* : Darjiling (Nagasuri) and Jalpaiguri (Gorumara NP, Buxa duars).  
*Conservation Status* : Schedule IV.
75. ***Boiga siamensis*** Nutphand, 1971  
*Distribution* : Jalpaiguri.  
*Conservation Status* : Schedule IV.
76. ***Boiga trigonata*** (Schneider in Bechstein, 1802)  
*Common name* : Common Indian Cat Snake.  
*Distribution* : Kolkata (Salt Lake) and Haora (Botanical garden), Medinipur, Darjiling, Jalpaiguri.  
*Conservation Status* : Schedule IV.
77. ***Cerberus rynchops*** (Schneider, 1799)  
*Common name* : Dog-faced Water Snake.  
*Distribution* : South 24 Pgs. (Luxbazu), Bankura (Barakar), Kolkata, Haora (Botanical Garden) and Medinipur (Haldia), Barddhaman.  
*Conservation Status* : Schedule II, App-I.
78. ***Chrysopelea ornata*** (Shaw, 1802)  
*Common name* : Ornate Flying Snake.  
*Distribution* : Darjiling (Mahananda WLS).  
*Conservation Status* : Schedule IV.
79. ***Coelognathus helena*** (Daudin, 1803)  
*Common name* : Indian Trinket Snake.  
*Distribution* : South 24 Pgs. (Matlah River) and Jalpaiguri (Gorumara NP).  
*Conservation Status* : Schedule IV.
80. ***Coelognathus radiatus*** (Reinwardt in Boie, 1827b)  
*Common name* : Copper-headed Trinket Snake.  
*Distribution* : Darjiling.  
*Conservation Status* : Schedule IV.
81. ***Dendrelaphis cyanochloris*** (Wall, 1921)  
*Common name* : Green Bronzeback Tree Snake.  
*Distribution* : Darjiling (Darjiling).  
*Conservation Status* : Schedule IV.
82. ***Dendrelaphis gorei*** (Wall, 1910)  
*Common name* : Himalayan Bronze Back Tree Snake.  
*Distribution* : Darjiling.  
*Conservation Status* : Schedule IV.
83. ***Dendrelaphis pictus*** (Gmelin, 1789)  
*Common name* : Painted Bronze-Back Tree Snake.  
*Distribution* : South 24 Pgs. (Sukchar), Kolkata and Jalpaiguri (Saraswatipur).  
*Conservation Status* : Schedule IV.
84. ***Dendrelaphis tristis*** (Daudin, 1803)  
*Common name* : Common Bronze-Back Tree Snake.



*Distribution* : Birbhum (Bhatkara Forest area), Kolkata (Belgachia), Haora (Salkia), Jalpaiguri (Baradighi tea estate) and Nadia (Krishnagar).

*Conservation Status* : Schedule IV.

85. ***Dinodon gammiei*** (Blanford, 1878a)

*Common name* : Sikkim false Wolf Snake.

*Distribution* : Darjiling (Darjiling).

*Conservation Status* : Schedule IV.

86. ***Dinodon septentrionalis*** (Günther, 1875)

*Common name* : Gunther's false Wolf Snake.

*Distribution* : Darjiling.

*Conservation Status* : Schedule IV.

87. ***Elaphe prasina*** (Blyth, 1854)

*Common name* : Green Trinket Snake.

*Distribution* : Darjiling (Darjiling).

*Conservation Status* : Schedule IV.

88. ***Elachistodon westermanni***  
Reinhardt, 1863

*Common name* : Indian Egg eating Snake.

*Distribution* : Jalpaiguri.

*Conservation Status* : Schedule I, App-II,  
Data Deficient.

89. ***Enhydris enhydris*** (Schneider, 1799)

*Common name* : Common Smooth-scaled  
Water Snake.

*Distribution* : South 24 Pgs. (Diamond  
harbour), Bankura, Kolkata (Ballygunge),  
Haora (Uluberia), Hugli (Uttarpara), Maldah  
(Vaisalnagar), Murshidabad (Berhampur),  
Barddhaman, Nadia and Murshibad.

*Conservation Status* : Schedule IV.

90. ***Fordonia leucobalia*** (Schlegel, 1837)

*Common name* : White-bellied Mangrove  
Snake.

*Distribution* : South 24 Pgs. (Sunderban).

*Conservation Status* : Schedule IV.

91. ***Gerarda prevostianus*** (Eydoux &  
Gervais, 1837)

*Common name* : Glossy Marsh Snake.

*Distribution* : South 24 Pgs. (Kakdwip),  
Haora and Medinipur (Digha).

*Conservation Status* : Schedule IV.

92. ***Liopeltis rappii*** (Günther, 1860)

*Common name* : Himalayan Stripe-necked  
Snake.

*Distribution* : Darjiling.

*Conservation Status* : Schedule IV.

93. ***Liopeltis stoliczkae*** (Sclater, 1891)

*Common name* : Stoliczka's Stripe-necked  
Snake.

*Distribution* : Darjiling.

*Conservation Status* : Schedule IV.

94. ***Lycodon aulicus*** (Linnaeus, 1758)

*Common name* : Common Wolf Snake.

*Distribution* : South 24 Pgs. (Bakkhali),  
Bankura, North 24 Pgs. (Salt Lake), Haora  
(Botanical garden), Jalpaiguri (Gorumara NP),  
Maldah (Chanchal) and Medinipur (Railway  
station).

*Conservation Status* : Schedule IV.

95. ***Lycodon jara*** (Shaw, 1802)

*Common name* : Yellow-speckled wolf-  
Snake.

*Distribution* : South 24 Pgs. (Sherpur),  
Kolkata (Ballygunge) and Haora (Botanical  
garden).

*Conservation Status* : Schedule IV.

96. ***Oligodon albocinctus*** (Cantor, 1839)

*Common name* : White-barred Kukri Snake.

*Distribution* : Darjiling (Darjiling).

*Conservation Status* : Schedule IV.

97. ***Oligodon arnensis*** (Shaw, 1802)

*Common name* : Common Kukri Snake.

*Distribution* : South 24 Pgs. (Kakdwip),  
Kolkata, Haora (Serampore) and Jalpaiguri  
(Gorumara NP).

*Conservation Status* : Schedule IV.

98. ***Oligodon cyclurus*** (Cantor, 1839)

*Common name* : Cantor's Kukri Snake.

*Distribution* : Kolkata (Alipore), Koch Bihar (Atiamochar), Darjiling and Jalpaiguri.

*Conservation Status* : Schedule IV.

99. ***Oligodon erythrogaster*** Boulenger

*Common name* : Red-bellied Kukri Snake.

*Distribution* : Darjiling.

*Conservation Status* : Schedule IV.

100. ***Oligodon juglandifer*** (Wall, 1909)

*Common name* : Darjiling Kukri Snake.

*Distribution* : Darjiling (Gopaldhara).

*Conservation Status* : Schedule IV.

101. ***Oligodon melaneus*** Wall, 1909

*Common Name* : Black Kukri Snake.

*Distribution* : Darjiling (Tindharia).

102. ***Oligodon taeniolatus*** (Jerdon, 1853)

*Common name* : Indian Streaked Kukri Snake.

*Distribution* : South 24 Pgs. and North 24 Pgs.

*Conservation Status* : Schedule IV.

103. ***Oreocryptophis porphyraceus***  
(Cantor, 1839)

*Common name* : Banded Trinket Snake.

*Distribution* : Darjiling (Gopaldhara), Jalpaiguri.

*Conservation Status* : Schedule IV.

104. ***Orthriophis cantoris*** (Boulenger, 1894)

*Common Name* : Eastern Trinket Snake.

*Distribution* : Darjiling (Kurseong) and Jalpaiguri (Gorumara NP).

105. ***Orthriophis hodgsonii*** (Gunther, 1860)

*Common Name* : Himalayan Trinket Snake.

*Distribution* : Darjiling.

106. ***Pareas monticolus*** (Cantor, 1839)

*Common name* : Assam Snail-eater.

*Distribution* : Darjiling (Takdah).

*Conservation Status* : Schedule IV.

107. ***Pareas macularius*** Blyth in Theobald, 1868

*Common name* : Darjiling Snail-eater.

*Distribution* : Gopaldhara, Darjiling.

*Conservation Status* : Schedule IV.

108. ***Psammodynastes pulverulentus***  
(H. Boie in F. Boie, 1827)

*Common name* : Mock Viper.

*Distribution* : Darjiling.

*Conservation Status* : Schedule IV.

109. ***Psammophis condanarus*** (Merrem, 1820)

*Common name* : Condanarus Sand Snake.

*Distribution* : Bankura, North 24 Pgs. and Darjiling.

*Conservation Status* : Schedule IV.

110. ***Pseudoxenodon macrops*** (Blyth, 1854)

*Common name* : Large-eyed False Cobra.

*Distribution* : Darjiling and Jalpaiguri (Gorumara NP).

*Conservation Status* : Schedule IV.

111. ***Ptyas korros*** (Schlegel, 1837)

*Common name* : Indo-Chinese Rat Snake.

*Distribution* : Darjiling.

*Conservation Status* : Schedule IV.

112. ***Ptyas mucosa*** (Linnaeus, 1758)

*Common name* : Dhaman Rat Snake.

*Distribution* : South 24 Pgs. (Kakdwip) and Kolkata (Behala).

*Conservation Status* : Schedule II, App-II.

113. ***Ptyas nigromarginata*** (Blyth, 1854)

*Common Name* : Green Rat Snake.

*Distribution* : Darjiling.

*Conservation Status* : Schedule IV.

114. ***Rhabdophis himalayanus*** (Günther, 1864)

*Common name* : Himalayan Keelback.

*Distribution* : Darjiling.

*Conservation Status* : Schedule IV.

115. **Rhabdophis subminiatus** (Schlegel, 1837)  
*Common name* : Red-necked Keelback.  
*Distribution* : Darjiling (Gopaldhara) and Jalpaiguri.  
*Conservation Status* : Schedule IV.
116. **Sibynophis sagittaria** (Cantor, 1839)  
*Common name* : Cantor's Black-headed Snake.  
*Distribution* : North 24 Pgs. (New Barrackpur), Kolkata, Haora (Botanical Garden) and Hugli.  
*Conservation Status* : Schedule IV.
117. **Trachischium fuscum** (Blyth, 1854)  
*Common name* : Darjiling Oriental Slender Snake.  
*Distribution* : Darjiling (Kurseong).  
*Conservation Status* : Schedule IV.
118. **Trachischium guentheri** Boulenger, 1890  
*Common name* : Gunther's Oriental Slender Snake.  
*Distribution* : Darjiling.  
*Conservation Status* : Schedule IV.
119. **Trachischium monticola** (Cantor, 1839)  
*Common name* : Assam Oriental Slender Snake.  
*Distribution* : Jalpaiguri, Darjiling and Barddhaman.  
*Conservation Status* : Schedule IV.
120. **Trachischium tenuiceps** (Blyth, 1854)  
*Common name* : Orange-bellied Oriental Slender Snake.  
*Distribution* : Darjiling.  
*Conservation Status* : Schedule IV.
121. **Xenochrophis piscator** (Schneider, 1799)  
*Common name* : Checked Keelback.  
*Distribution* : North 24 Pgs. (Patharpratima, Salt Lake), Bankura (Dhankoda), Jalpaiguri (Jaldapara WLS) and Medinipur (Haldia).  
*Conservation Status* : Schedule IV.
122. **Xenochrophis santijohannis** (Boulenger, 1890)  
*Common Name* : St. John's Keelback.  
*Distribution* : Darjiling.  
 Family ELAPIDAE
123. **Bungarus bungaroides** (Cantor, 1839)  
*Common name* : Himalayan Krait.  
*Distribution* : Darjiling (Labdah near Kurseong), Jalpaiguri.  
*Conservation Status* : Schedule IV.
124. **Bungarus caeruleus** (Schneider, 1801)  
*Common name* : Common Krait.  
*Distribution* : South 24 Pgs. (STR), North 24 Pgs. (Patharpratima), Bankura (Ranigunge), Kolkata, Jalpaiguri (Gorumara NP) and Puruliya (Korondi), Barddhaman.  
*Conservation Status* : Schedule IV.
125. **Bungarus fasciatus** (Schneider, 1801)  
*Common name* : Banded Krait.  
*Distribution* : South 24 Pgs. (STR), Bankura (Ranigunge), Kolkata (Ballygunge), Haora (Botanical garden), Jalpaiguri (Garumara NP) Nadia (Krishnanagar) and Barddhaman.  
*Conservation Status* : Schedule IV.
126. **Bungarus lividus** Cantor, 1839  
*Common name* : Lesser Black Krait.  
*Distribution* : Jalpaiguri and Darjiling.  
*Conservation Status* : Schedule IV.
127. **Bungarus niger** Wall, 1909  
*Common name* : Black Krait.  
*Distribution* : Jalpaiguri (Gorumara NP) and Darjiling.  
*Conservation Status* : Schedule IV.
128. **Bungarus sinadanus** Boulenger, 1897  
*Common Name* : Wall's Sind Krait.

*Distribution* : Medinipur.

*Conservation Status* : Schedule IV.

129. ***Sinomicrurus maccllellandi***

(Reinhardt, 1844)

*Common name* : Maccllelland's Coral Snake.

*Distribution* : Darjiling.

*Conservation Status* : Schedule IV.

130. ***Naja kaouthia*** Lesson, 1831

*Common name* : Monocled Cobra.

*Distribution* : South 24 Pgs. (STR), North 24 Pgs. (Palta), Bankura, Barddhaman, Kolkata (DumDum), Haora (Botanical garden), Jalpaiguri (Gorumara NP) and Nadia (Krishna nagar).

*Conservation Status* : Schedule IV, App-II.

131. ***Ophiophagus hannah*** (Cantor, 1836)

*Common name* : King Cobra.

*Distribution* : Darjiling (Darjiling), Haora (Botanical garden), Jalpaiguri (Buxa Tiger Reserve), South 24 Pgs. (Sunderban), Kokata, Barddhaman and Nadia.

*Conservation Status* : Schedule IV, App-II.

132. ***Enhydrina schistosa*** (Daudin, 1803)

*Common name* : Hook-nosed Sea Snake.

*Distribution* : South 24 Pgs. (Diamond Harbour).

*Conservation Status* : Schedule IV.

133. ***Hydrophis caerulescens*** (Shaw, 1802)

*Common name* : Many-toothed Sea Snake.

*Distribution* : South 24 Pgs. (STR) and North 24 Pgs. (Sandhead mouth of Hoogly River).

*Conservation Status* : Schedule IV.

134. ***Hydrophis cyanocinctus*** Daudin, 1803

*Common name* : Annulated Sea Snake.

*Distribution* : South 24 Pgs. (Sunderban sea coast) and Haora (Hoogly River).

*Conservation Status* : Schedule IV.

135. ***Hydrophis fasciatus*** (Schneider, 1799)

*Common name* : Banded Sea Snake.

*Distribution* : North 24 Pgs. (Sandhead bed of river Hugli) and Medinipur (Digha beach).

*Conservation Status* : Schedule IV.

136. ***Hydrophis mamillaris*** (Daudin, 1803)

*Common name* : Bombay Gulf Sea Snake.

*Distribution* : Medinipur (Digha Beach).

*Conservation Status* : Schedule IV.

137. ***Hydrophis nigrocinctus*** Daudin, 1803

*Common name* : Black banded Sea Snake.

*Distribution* : South 24 Pgs. (STR).

*Conservation Status* : Schedule IV.

138. ***Hydrophis obscura*** Daudin, 1803

*Common name* : Estuarine Sea Snake.

*Distribution* : South 24 Pgs. (Sunderban) and Medinipur (Hidgli).

*Conservation Status* : Schedule IV.

139. ***Laticauda laticaudata*** (Linnaeus, 1758)

*Common name* : Common Sea Krait.

*Distribution* : Kolkata (Tolly nullah).

*Conservation Status* : Schedule IV.

140. ***Hydrophis cantoris*** Günther, 1864

*Common name* : Cantor's Narrow-headed Sea Snake.

*Distribution* : South 24 Pgs. (STR), North 24 Pgs. (Sandhead mouth of river Hooghli) and Medinipur (Digha shore).

*Conservation Status* : Schedule IV.

141. ***Hydrophis gracilis*** (Shaw, 1802)

*Common name* : Common Small-headed Sea Snake.

*Distribution* : South 24 Pgs. (STR), North 24 Pgs. (Sandhead mouth of river Hooghli) and Medinipur (Digha beach).

*Conservation Status* : Schedule IV.

142. ***Thalassophis viperina*** Schmidt, 1852

*Common Name* : Viperine Sea Snake.

*Distribution* : South 24 Pgs. (STR) and Medinipur (Digha Beach).

*Conservation Status* : Schedule IV.

## Family VIPERIDAE

143. ***Daboia russelii*** (Shaw & Nodder, 1797)

*Common name* : Russell's Viper.

*Distribution* : South 24 Pgs. (Gokarni), Haora (Nischindapur), Hugli (Uttarpara) and Jalpaiguri (Gorumara NP).

*Conservation Status* : Schedule IV.

144. ***Trimeresurus gramineus*** (Shaw, 1802)

*Common name* : Bamboo Pit Viper.

*Distribution* : Jalpaiguri (Nagasuri).

*Conservation Status* : Schedule IV.

145. ***Ovophis monticola*** (Günther, 1864)

*Common Name* : Mountain Pit Viper.

*Distribution* : Darjiling (Palmajua).

*Conservation Status* : Schedule IV.

146. ***Popeia popeiorum*** (Smith, 1937)

*Common name* : Popes' Pit Viper.

*Distribution* : Darjiling.

*Conservation Status* : Schedule IV.

147. ***Cryptelytrops erythrurus*** (Cantor, 1839)

*Common name* : Spot-tailed Pit Viper.

*Distribution* : Darjiling.

*Conservation Status* : Schedule IV.

148. ***Viridovipera stejnegeri*** Schmidt, 1925

*Common name* : Stejneger's Pit Viper.

*Distribution* : Darjiling.

*Conservation Status* : Schedule IV.

**CHORDATA : AVES**

Phylum CHORDATA  
 Class AVES  
 Order PODICIPEDIFORMES  
 Family PODICIPEDIDAE

**1. *Podiceps cristatus* (Linnaeus)**

*Common name* : Great Crested Grebe (3).

*Distribution* : Bardhaman (Chittaranjan Loco tank, Durgapur), Birbhum (Dwarka Barrage) and Nadia (Bagdebitala).

**2. *Tachybaptus ruficollis* (Pallas)**

*Common name* : Little Grebe (5) Dhuburi (Bengali).

*Distribution* : North 24 Pgs. (Palta, Bantala), Bardhaman (Bater Beel, Chittaranjan Loco tank, Jamuna Dighi, Dampal Char, Durgapur, Katwa Beel), Birbhum (Chandrapur, Ballavpur, Ram Sagar, Jugadama Pukur, Datin Dighi), Koch Bihar (Atlamochar), Darjiling (Mahananda), Hugli (Kol Beel, Dekol Beel, Mrigala), Haora (Santragachi, Belanagar, Uluberia), Jalpaiguri (Gajol Doba, Phulbari Barrage, Jaldapara, Gorumara, Buxa-Raidak riverbed), Murshidabad, Medinipur (Anara Rly. Bandh, Digha shore), Maldah (Farakka, Baro Beel), Nadia (Kalyani, Amda Beel, Shaguna Beel, Bethudahari), Puruliya (Shanebbandh, Bandoan), Kolkata (Saltlake) and Dinajpur (Raigunj).

Order PELECANIFORMES  
 Family PELECANIDAE

**3. *Pelecanus philippensis* Gmelin\***

*Common name* : Spot-billed Pelican (20).

*Distribution* : South 24 Pgs. (Sunderan).

Family PHALACROCORACIDAE

**4. *Phalacrocorax carbo* (Linnaeus)**

*Common name* : Large Cormorant (26).

*Distribution* : North 24 Pgs. (Nalbani, Khariberia, Bantala), Bardhaman (Chittaranjan Loco tank, Dampal char), Birbhum (Ram Sagar), Koch Bihar (Nagathuli lake), Kolkata (Rabindra

Sarobar), Darjiling (Mahananda), Hugli (Kol Beel), Haora (Santragachi), Jalpaiguri (Jaldapara, Buxa Raidak reserviour, Gorumara), Murshidabad (Ahiron), Maldah (Moha Beel, Baro Beel) and Puruliya (Shaheb bandh).

**5. *Phalacrocorax fuscicollis* Stephens**

*Common name* : Indian Shag (27) Pan-kawri (Bengali).

*Distribution* : South 24 Pgs. (Dabur char, Brace Bridge), North 24 Pgs. (Nalbani, Palta), Birbhum (Ballavpur, Tilpara Barrage, Jugadama Pukur), Bardhaman (Chittaranjan Loco tank, Jamuna dighi, Dampal char), Kolkata (Alipore zoo, Rabindra sarobar), Koch Bihar (Nagathuli lake), Darjiling (Mahananda), Haora (Santragachi, Belanagar), Jalpaiguri (Jaldapara), Murshidabad (Ahiron), Medinipur (Digha shore), Maldah (Farakka, Mohan Beel, Baro Beel), Nadia (Bagdebi tala, Bhaluka Beel, Shaguna Beel, Bethuadahari) and Puruliya (Shaheb Bandh).

**6. *Phalacrocorax niger* (Vieillot)**

*Common name* : Little Cormorant (28) Pan-kawri (Bengali).

*Distribution* : North 24 Pgs. (Nalbani, Palta, Khariberia, Bantala), South 24 Pgs. (Shambhunagar, Dabur Char, Brace Bridge, Natun Diara, Jhaukhali Sajnakhali, Narendrapur, Sunderban), Birbhum (Ballavpur, Tilpara Barrage, Ram Sagar, Jugadama Pukur, Pabaipara Dighi, Gopal Nagar Bandh, Datin Dighi), Bardhaman (Batar Beel, Chittaranjan Loco tank, Jamuna Dighi, Dampal Char, Durgapur, Katwa Beel), Bankura (Mukutmonipur), Koch Bihar (Nagathuli lake), Kolkata (Chingrighata, Alipore zoo, Rabindra Sarobar, Dhakuria), Darjiling (Mahananda), Hugli (Hansmaria char, Kol Beel, Dekol Beel, Mrigala), Haora (Santragachi, Belanagar, Uluberia), Jalpaiguri (Gajol Doba, Phulbari Barrage, Jaldapara, Buxa-Raidak riverbed,

Gorumara), Medinipur (Digha Shore, Anara Rly. Bandh), Maldah (Mohan Beel, Baro Beel, Ahiron), Nadia (Bagdebi Tala, Kalyani, Bhaluka Beel, Handanga Beel, Bhajanghat Beel, Amda Beel, Shaguna Beel, Bethuadahari) and Puruliya (Puruliya-Dhanbad road, Bandoan, Shaneb Bandh).

Family ANHINGIDAE

7. *Anhinga melanogaster* Pennant

*Common name* : Darter (29) Snake bird/ Goyar (Bengali).

*Distribution* : South 24 Pgs. (Brace Bridge, Jhaukhali), North 24 Pgs. (Palta, Kharibera, Nalbani, Bantala), Birbhum (Ballavpur, Ram Sayar, Jugadamaï pukur, Pabaipara Dighi), Barddhaman (Jamuna Dighi, Dampal Char, Katwa Beel), Kolkata (Dhakuria lake, Rabindra Sarobar), Darjiling (Mahananda), Hugli (Mrigala), Haora (Uluberia), Jalpaiguri (Gorumara, Jaldapara), Murshidabad (Ahiron), Medinipur (Anara Rly. Bandh, Digha shore), Maldah (Farakka, Mohan Beel, Baro Beel), Nadia (Kalyani), Puruliya (Shaneb Bandh, Bandoan) and Dinajpur (Raigunj).

Order CICONIIFORMES

Family ARDEIDAE

8. *Ardea goliath* Cretzschmar

*Common name* : Goliath Heron (34).

*Distribution* : South 24 Pgs. (Dabur char), Darjiling (Mahananda), Murshidabad (Ahiraon).

9. *Ardea cinerea* Linnaeus

*Common name* : Grey Heron (36).

*Distribution* : South 24 Pgs. (Dabur Char, Brace Bridge), North 24 Pgs. (Nalbani, Palta, Bantala), Barddhaman (Chittaranjan Loco tank), Birbhum (Durgapur Barrage, Ram Sayar, Jugadamaï Pukur), Darjiling (Mahananda), Hugli (Kol Beel), Haora (Uluberia), Jalpaiguri (Jaldapara), Murshidabad (Ahiron), Maldah (Farakka, Baro Beel), Nadia (Bagdebi Tala, Bhajanghat Beel) and Puruliya (Shaneb Bandh).

10. *Ardea purpurea* Linnaeus

*Common name* : Purple Heron (37).

*Distribution* : South 24 Pgs. (Dabur Char), North 24 Pgs. (Mahishbathan, Nalbani, Palta, Bantala), Barddhaman (Chittaranjan Loco tank), Birbhum (Tilpara), Koch Bihar (Nagathuli lake), Darjiling (Mahananda), Hugli (Kol Beel, Dekol Beel), Jalpaiguri (BTR, Jaldapara), Maldah (Baro Beel) and Nadia (Bhaluka Beel).

11. *Cosmerodius albus* (Linnaeus)

*Common name* : Large Egret (46) Bada bak (Bengali).

*Distribution* : North 24 Pgs. (Nalbani), South 24 Pgs. (Sunderban), Barddhaman, Nadia (Bethuadahari), Kolkata (Saltlake), South 24 Pgs. (Brace Bridge, Natun Diara, Jharkhali), North 24 Pgs. (Nalbani, Bantala), Birbhum (Ballavpur, Tilpara Barrage, Dwarka Barrage, Jugadamaï Pukur, Gopal Nagar, Datin Dighi), Barddhaman (Chittaranjan Loco tank, Durgapur, Katwa), Darjiling (Mahananda), Hugli (Dekol Beel, Mrigala), Haora (Uluberia), Jalpaiguri (Gorumara, BTR), Medinipur (Anara Rly. Bandh), Maldah (Farakka, Mohan Beel), Nadia (Bagdebi Tala, Kalyani, Hansdanga Beel, Bhajanghat Beel) and Puruliya (Bandoan).

12. *Butorides striatus* (Linnaeus)

*Common name* : Little Green Heron (38) Kanabak (Bengali).

*Distribution* : South 24 Pgs. (Baman Khali sagar Island).

13. *Ardeola grayii* (Sykes)

*Common name* : Indian Pond Heron (42) Konchback (Bengali).

*Distribution* : North 24 Pgs. (Nalbani, Palta, Khariberia, Bantala, Krishnanagar Canal), South 24 Pgs. (Shambhunagar, Dabur Char, Brace Bridge, Natun Diara, Jharkhali), Birbhum (Ballavpur, Tilpara Barrage, Ram Sagar, Jugadamaï pukur, Pabaipara Dighi, Gopal Nagar Bandh, Datin Dighi), Barddhaman (Batar Beel, Chittaranjan Loco tank, Jamuna Dighi, Dampal Char, Durgapur, Katwa Beel), Bankura (Mukutmonipur), Kolkata (Chingrighata, Alipore zoo, Rabindra Sarobar), Darjiling

(Mahananda), Hugli (Hansmaria char, Kol Beel, Dekol Beel, Mrigala), Haora (Santragachi, Belanagar, Uluberia), Jalpaiguri (Gajol Doba, Phulbari Barrage, Jaldapara, Gorumara, Buxa-Raidak riverbed), Medinipur (Digha Shore, Anara Rly. Bandh, Joshpur), Maldah (Mohan Beel, Baro Beel, Ahiron), Nadia (Bagdebi Tala, Kalyani, Bhaluka Beel, Handanga Beel, Bhajanghat Beel, Amda Beel, Shaguna Beel) and Puruliya (Puruliya-Dhanbad road, Bandoan, Shaneb Bandh).

14. ***Bubulcus ibis*** (Linnaeus)

*Common name* : Cattle Egret (44) Gaibak (Bengali).

*Distribution* : South 24 Pgs. (Jharkhali, Narendrapur, Sunderban), North 24 Pgs. (Paltra, Nalbani, Bantala Sambhunagar), Birbhum (Ballavpur, Tilpara Barrage, Gopal Nagar Bandh, Datin Dighi), Barddhaman (Bater Beel, Chittaranjan Loco tank, Jamuna Dighi, Dampal Char, Durgapur, Katwa), Kolkata (Alipore Zoo, Rabindra Sarobar), Darjiling (Mahananda), Hugli (Kol Beel, Mrigala), Haora (Santragachi, Belanagar, Uluberia), Jalpaiguri (Gorumara, BTR), Maldah (Farakka, Mohan Beel, Baro Beel), Medinipur (Kankrajhar, Anara Rly. Bandh, Digha Shore), Nadia (Bagdebitala, Amda Beel), Puruliya (Shaneb Bandh) and Dinajpur (Raigunj).

15. ***Egretta intermedia*** (Wagler)

*Common name* : Small or Median Egret (47, 48), Korche bak (Bengali).

*Distribution* : North 24 Pgs. (Nalbani, Palta, Khariberia, Bantala), South 24 Pgs. (Shambhunagar, Dabur Char, Brace Bridge, Natun Diara, Jhaukhali, Kamakhayapur), Birbhum (Ballavpur, Tilpara Barrage, Ram Sagar, Jugadamai pukur, Pabaipara Dighi, Gopal Nagar Bandh, Datin Dighi), Barddhaman (Batar Beel, Chittaranjan Loco tank, Jamuna Dighi, Dampal Char, Durgapur, Katwa Beel), Bankura (Mukutmonipur), Kolkata (Chingrighata, Alipore zoo, Rabindra Sarobar), Koch Bihar (Nagathuli lake), Darjiling

(Mahananda), Hugli (Hansmaria char, Kol Beel, Dekol Beel, Mrigala), Haora (Santragachi, Belanagar, Uluberia), Jalpaiguri (Gajol Doba, Phulbari Barrage, Jaldapara, Gorumara, Buxa-Raidak riverbed), Medinipur (Digha Shore, Anara Rly. Bandh), Maldah (Mohan Beel, Baro Beel, Ahiron), Nadia (Bagdebi Tala, Kalyani, Bhaluka Beel, Handanga Beel, Bhajanghat Beel, Amda Beel, Shaguna Beel) and Puruliya (Puruliya-Dhanbad road, Bandoan, Shaneb Bandh).

16. ***Egretta garzetta*** (Linnaeus)

*Common name* : Little Egret (49), Chhota korche bak (Bengali).

*Distribution* : North 24 Pgs. (Nalbani, Palta, Khariberia, Bantala), South 24 Pgs. (Shambhunagar, Dabur Char, Brace Bridge, Natun Diara, Jhaukhali, Narendrapur), Birbhum (Ballavpur, Tilpara Barrage, Ram Sagar, Jugadamai pukur, Pabaipara Dighi, Gopal Nagar Bandh, Datin Dighi), Barddhaman (Batar Beel, Chittaranjan Loco tank, Jamuna Dighi, Dampal Char, Durgapur, Katwa Beel), Bankura (Mukutmonipur), Koch Bihar (Nagathuli lake), Kolkata (Chingrighata, Alipore zoo, Rabindra Sarobar), Darjiling (Mahananda), Hugli (Hansmaria char, Kol Beel, Dekol Beel, Mrigala), Haora (Santragachi, Belanagar, Uluberia), Jalpaiguri (Gajol Doba, Phulbari Barrage, Jaldapara, Buxa-Raidak riverbed, Gorumara), Medinipur (Digha Shore, Anara Rly. Bandh), Maldah (Mohan Beel, Baro Beel, Ahiron), Nadia (Bagdebi Tala, Kalyani, Bhaluka Beel, Handanga Beel, Bhajanghat Beel, Amda Beel, Shaguna Beel) and Puruliya (Puruliya-Dhanbad road, Bandoan, Shaneb Bandh).

17. ***Nycticorax nycticorax*** (Linnaeus)

*Common name* : Night Heron (52), Bachka (Bengali).

*Distribution* : South 24 Pgs. (Brace Bridge, Jhalukhali), North 24 Pgs. (Nalbani, Bidhannagar, Palta, Bantala), Birbhum (Ballavpur, Dwarka Barrage, Ram Sagar, Datin Dighi), Barddhaman (Jamuna Dighi), Kolkata



(Alipore Zoo, Rabindra Sarobar), Darjiling (Mahananda), Haora (Belanagar, Uluberia), Hugli (Mrigala), Jalpaiguri (BTR, Jaldapara), Murshidabad (Ahiron), Medinipur (Anara Rly. Bandh, Digha Shore), Maldah (Farakka, Baro Beel), Nadia (Bhaluka Beel) and Puruliya (Shaneb Bandh).

18. *Ixobrychus cinnamomeus* (Gmelin)

*Common name* : Chestnut Bittern (56)/  
Lalbak (Bengali).

*Distribution* : North 24 Pgs. (Nalbani, Bana Bitan), South 24 Pgs. (Sunderban), Darjiling (Mahananda) and Jalpaiguri (BTR).

19. *Ixobrychus sinensis* (Gmelin)

*Common name* : Yellow Bittern (57), Katbak (Bengali).

*Distribution* : South 24 Pgs. (Mahisbathan Gogeta, Sunderban), North 24 Pgs. (Nalbani, Bana Bitan, Palta, Bantala), Barddhaman (Dampal Char), Koch Bihar (Nagathuli lake), Darjiling (Mahananda), Haora (Belanagar), Hugli (Mrigala), Jalpaiguri (Gorumara), Murshidabad (Ahiron), Maldah (Baro Beel), Nadia (Kalyani, Bhaluka Beel, Shaguna Beel) and Puruliya (Bandoan).

20. *Dupetor flavicollis* (Latham)

*Common name* : Black Bittern (58), Kalobak (Bengali).

*Distribution* : South 24 Pgs. (Patharpratima Sagar Island) and Jalpaiguri (Jaldapara).

21. *Botaurus stellaris* (Linnaeus)\*

*Common name* : Great Bittern (59).

*Distribution* : Darjiling (Mahananda) and Medinipur (Contai).

Family CICONIIDAE

22. *Mycteria leucocephala* (Pennant)

*Common name* : Painted Stork (60), Sona jangha (Bengali).

*Distribution* : Barddhaman and Kolkata (Brace Bridge, Alipore Zoo).

23. *Anastomus oscitans* (Boddaert)

*Common name* : Asian Openbill-Stork (61), Shamukh Khol (Bengali).

*Distribution* : South 24 Pgs. (Shambhunagar, Dabur char, Brace Bridge, Narendrapur), Barddhaman (Chittaranjan Loco tank, Dampal char, Durgapur), Birbhum (Tilpara Barrage, Pabaipara Digha), Koch Bihar, North 24 Pgs. (Palta, Bantala), Darjiling (Mahananda), Haora (Belanagar), Hugli (Kol Beel), Jalpaiguri (Gajol Doba, Jaldapara), Maldah (Farakka), Nadia (Bagdebitala, Amda Beel) and Dinajpur (Raigunj).

24. *Ciconia episcopus* (Boddaert)

*Common name* : White-necked Stork (62), Manik jor (Bengali).

*Distribution* : North 24 Pgs. (Bantala), Barddhaman, Birbhum (Ram Sayar), Darjiling (Mahananda), Jalpaiguri (BTR, Jaldapara) and Maldah (Mohan Beel).

25. *Leptoptilos dubius* (Gmelin)

*Common name* : Greater Adjutant-Stork (67), Hargila (Bengali).

*Distribution* : Barddhaman and Jalpaiguri (BTR, Jaldapara).

26. *Leptoptilos javanicus* (Horsfield)

*Common name* : Lesser Adjutant-Stork (68), Madanchur/Madantak (Bengali).

*Distribution* : Barddhaman (Dampal Char), Darjiling (Mahananda), Jalpaiguri (Jaldapara), Murshidabad (Ahiron), Medinipur (Anara Rly. Bandh), Nadia (Bagdebi Tala) and Dinajpur (Raigunj).

27. *Ephippiorhynchus asiaticus* (Latham)\*

*Common name* : Black-necked Stork (66).

*Distribution* : South 24 Pgs. (Sunderban), Darjiling (Mahananda) and Jalpaiguri (Jaldapara).

28. *Ciconia nigra* (Linnaeus)\*

*Common name* : Black Stork (65).

*Distribution* : Darjiling (Mahananda) and Jalpaiguri (Gorumara, Buxa-raidak Riverbed).

Family THRESKIORNITHIDAE

29. *Threskiornis melanocephalus* (Latham)

*Common name* : Oriental White Ibis (69), Sada dochara (Bengali).

*Distribution* : Barddhaman, Darjiling (Mahananda), Hugli (Kol Beel), Jalpaiguri (Gorumara) and Maldah (Farakka).

30. *Pseudibis papillosa* (Temminck)

*Common name* : Black Ibis (70), Kalo dochara (Bengali).

*Distribution* : Barddhaman, Darjiling (Mahananda) and Jalpaiguri (Gorumara, Jaldapara).

31. *Platalea leucorodia* Linnaeus

*Common name* : Eurasian Spoonbill (72) Khunte bak (Bengali).

*Distribution* : South 24 Pgs. (Sunderban), Barddhaman (Durgapur Barrage), Darjiling (Mahananda) and Medinipur.

Order ANSERIFORMES

Family ANATIDAE

32. *Anser anser* Linnaeus

*Common name* : Greylag Goose (81), Rajhas (Bengali).

*Distribution* : South 24 Pgs. (Sunderban), Birbhum (Ballavpur, Tilpara barrage), Koch Bihar, Darjiling (Mahananda), Haora, Jalpaiguri (Jaldapara) and Nadia (Bhaluka).

33. *Anser indicus* (Linnaeus)

*Common name* : Bar-headed Goose (82), Badihans (Bengali).

*Distribution* : South 24 Pgs. (Sunderban), Barddhaman, Birbhum (Ballavpur, Tilpara Barrage), Darjiling (Mahananda) and Murshidabad (Ahiron).

34. *Dendrocygna javanica* (Horsfield)

*Common name* : Lesser Whistling Duck (88), Sharali (Bengali).

*Distribution* : North 24 Pgs. (Nalbani, Saltlake), South 24 Pgs. (Sunderban), Birbhum (Gonpur, Tilpara Barrage, Ram Sayar, Jugadama Pukur, Pabaipara Dighi, Gopal Nagar Bandh, Datin Dighi Mollarpur), Barddhaman (Jamuna Dighi, Durgapur Barrage, Katwa), Bankura (Mukutmanipur), Darjiling (Mahananda), Jalpaiguri (Jaldapara), Maldah (Farakka), Medinipur (Telkorai, Anara Rly. Bandh), Nadia (Kalyani, Bhaluka Beel, Hansdanga Beel, Shaguna Beel).

35. *Dendrocygna bicolor* (Vieillot)

*Common name* : Larger Whistling Duck (89), Bada Sharal (Bengali).

*Distribution* : South 24 Pgs. (Sunderban), Barddhaman, Kolkata (Alipore Zoo), Koch Bihar (Nagarthuli Lake), Haora (Santragachi), Jalpaiguri (Gorumara), Murshidabad (Ahiron) and Nadia (Bhalluka Beel).

36. *Tadorna ferruginea* (Pallas)

*Common name* : Brahminy Shelduck (90), Chaka-Chaki (Bengali).

*Distribution* : South 24 Pgs. (Sunderban), Birbhum (Dwarka Barrage), Barddhaman (Katwa Beel), Darjiling (Mahananda), Jalpaiguri (Gajol Doba, Phulbari Barrage, Jaldapara, Gorumara), Murshidabad (Ahiron) and Maldah (Farakka).

37. *Tadorna tadorna* (Linnaeus)\*

*Common name* : Common Shelduck (91).

*Distribution* : North 24 Pgs. (Nalbani), South 24 Pgs. (Sunderban).

38. *Anas acuta* Linnaeus

*Common name* : Northern Pintail (93), Dighan (Bengali).

*Distribution* : South 24 Pgs. (Dabur Char), North 24 Pgs. (Mitpukur, Nalbani, Bantala), Birbhum (Chandrapur, Ballavpur, Tilpara Barrage, Pabaipara Dighi, Gopalnagar Bandh), Barddhaman (Durgapur Barrage), Bankura (Mukutmanipur), Kolkata (Alipore Zoo), Darjiling (Mahananda), Hugli (Kol Beel), Haora (Santragachi), Jalpaiguri (Gajol Doba, Phulbari Barrage, BTR, Jaldapara), Murshidabad (Ahiron), Medinipur (Chilkigarh, Digha Shore), Maldah (Mohan Beel, Baro Beel), Nadia (Kalyani) and Puruliya (Shaneb bandh).

39. *Anas crecca* Linnaeus

*Common name* : Common Teal (94), Patari Hans (Bengali).

*Distribution* : South 24 Pgs. (Dabur Char), North 24 Pgs. (Nalbani), Barddhaman (Durgapur Barrage, Jamuna Dighi, Chittaranjan loco), Birbhum (Dwarka Barrage), Koch Bihar

(Nagathuli lake), Darjiling (Mahananda), Jalpaiguri (Gajol doba, BTR, Jaldapara) and Maldah (Farakka).

40. *Anas poecilorhyncha* J.R. Foster

*Common name* : Spot-billed Duck (97).

*Distribution* : South 24 Pgs., Birbhum, Darjiling (Mahananda), Haora and Jalpaiguri (Jaldapara).

41. *Anas platyrhynchos* Linnaeus

*Common name* : Mallard (100), Nil Sir (Bengali).

*Distribution* : Barddhaman.

42. *Anas strepera* Linnaeus

*Common name* : Gadwal (101), Peeing hans (Bengali).

*Distribution* : South 24 Pgs. (Dabur Char), North 24 Pgs. (Nalbani), Birbhum (Dwarka Barrage), Barddhaman (Jamuna Dighi, Dampal Char, Durgapur Barrage, Chittaranjan Loco tank), Bankura (Mukutmanipur), Koch Bihar (Atiamochar), Darjiling (Mahananda), Haora (Hansmarir Char, Santragachi), Hugli (Kol Beel), Jalpaiguri (Gajol Doba, Phulbari Barrage, Gorumara, Jaldapara), Murshidabad (Ahiron), Medinipur (Anara Rly. Bandh), Maldah (Farakka, Bhaluka) and Nadia (Bagdebi Tala, Bhaluka Beel).

43. *Anas penelope* Linnaeus

*Common name* : Eurasian Wigeon (103), Chhota lal sir (Bengali).

*Distribution* : South 24 Pgs. (Dabur Char), North 24 Pgs. (Nalbani), Barddhaman (Durgapur Barrage), Birbhum (Tilpara Barrage), Jalpaiguri (Gajol Doba, Phulbari Barrage, Jaldapara) and Maldah (Baro Sagardighi).

44. *Anas querquedula* Linnaeus

*Common name* : Garganey (104), Giria hans (Bengali).

*Distribution* : South 24 Pgs. (Dabur Char), North 24 Pgs. (Nalbani), Barddhaman (Chittaranjan Loco tank, Durgapur Barrage), Birbhum (Tilpara Barrage, Dwarka Barrage, Gopal Nagar Bandh), Darjiling (Mahananda),

Hugli (Kol Beel), Haora (Santragachi, Hansmarir char), Jalpaiguri (Jaldapara), Murshidabad (Ahiron), Maldah (Farakka), Nadia (Bagdebi Tala, Kalyani) and Puruliya (Shaneb Bandh).

45. *Anas clypeata* Linnaeus

*Common name* : Shoveller (105), Khunte hans (Bengali).

*Distribution* : South 24 Pgs. (Dabur char), North 24 Pgs. (Nalbani), Barddhaman (Chittaranjan Loco tank, Jamuna Dighi, Durgapur Barrage), Birbhum (Tilpara Barrage), Darjiling (Mahananda), Hugli (Kol Beel), Haora (Santragachi), Jalpaiguri (Phulbari Barrage, Jaldapara), Murshidabad (Ahiron), Maldah (Farakka, Baro Sagardighi), Nadia (Bagdebi Tala, Bhaluka Beel) and Puruliya (Shaneb bandh).

46. *Anas falcate* (Georgi)\*

*Common name* : Falcated Duck (102).

*Distribution* : South 24 Pgs. (Dabur Char), Kolkata (Durgapur Barrage, Chittarnjan Loco tank), Haora (Santragachi), Jalpaiguri (Buxaraidak riverbed) and Maldah (Farakka).

47. *Mergus merganser* Linnaeus\*

*Common name* : Common Merganser (120-121).

*Distribution* : Darjiling (Mahananda), Haora (Santragachi) and Jalpaiguri (Gorumara, Buxaraidak riverbed, Jaldapara).

48. *Netta rufina* (Pallas)

*Common name* : Red-crested Pochard (107), Badaranga murgi (Bengali).

*Distribution* : South 24 Pgs. (Sunderban), Barddhaman (Dampal Char, Durgapur Barrage), Birbhum (Dwarka Barrage), Bankura (Mukutmanipur), Darjiling (Mahananda), Murshidabad (Ahiron), Medinipur (Anara Rly. Bandh), Nadia (Bagdebi Tala) and Puruliya (Shaneb Bandh).

49. *Aythya ferina* (Linnaeus)

*Common name* : Common Pochard (108), Lalmuri (Bengali).

*Distribution*: North 24 Pgs. (Nalbani), Barddhaman (Durgapur Barrage), Bankura

(Mukutmanipur), Birbhum (Tilpara Barrage, Dwarka Barrage), Darjiling (Mahananda), Jalpaiguri (Gajol Doba, Jaldapara), Murshidabad (Ahiron), Medinipur (Anara Rly. Bandh), Maldah (Farakka) and Nadia (Bagdebi Tala, Baro Sagardighi).

50. *Aythya nyroca* (Guldenstadt)

*Common name* : Ferruginous Pochard (109), Bhuti hans (Bengali).

*Distribution* : South 24 Pgs. (Dabur char), North 24 Pgs. (Nalbani), Barddhaman (Chittaranjan Loco tank, Jamuna Dighi, Durgapur Barrage), Birbhum (Dwarka Barrage), Koch Bihar (Atiamochar, Nagathuli lake), Darjiling (Mahananda), Hugli (Kol Beel), Jalpaiguri (Gajol Doba, Jaldapara), Maldah (Farakka) and Nadia (Bagdebi Tala, Baro Sagardighi).

51. *Aythya fuligula* (Linnaeus)

*Common name* : Tufted Pochard (111), Bamuniya hans (Bengali).

*Distribution* : North 24 Pgs. (Nalbani), South 24 Pgs. (Sunderban), Barddhaman (Durgapur Barrage), Birbhum (Dwarka Barrage), Bankura (Mukutmanipur), Koch Bihar (Nagathuli lake), Darjiling (Mahananda), Jalpaiguri (BTR, Jaldapara) and Nadia (Bagdebi Tala, Bhaluka).

52. *Aythya baeri* (Radde)\*

*Common name* : Baer's Pochard (110).

*Distribution* : South 24 Pgs. (Sunderban), Koch Bihar (Nagathuli lake) and Haora (Santragachi).

53. *Nettapus coromandelianus* (Gmelin)

*Common name* : Cotton Teal (114), Quacky Duck/ Bali-hans (Bengali).

*Distribution* : North 24 Pgs. (Nalbani, Bana Bitan, Bantala), South 24 Pgs. (Natun Diara), Barddhaman (Chittaranjan Loco tank, Dampal Char, Durgapur Barrage), Birbhum (Rajanagar, Ram Sayar, Datin Dighi Gonpur), Koch Bihar (Atiamochar), Haora (Belanagar, Uluberia, Hansmarir Char), Hugli (Kol Beel, Mrigala), Jalpaiguri (BTR, Jaldapara), Murshidabad

(Ahiron), Medinipur (Anara Rly. Bandh, Digha Shore), Maldah (Farakka), Nadia (Kalyani, Amda Beel) and Puruliya (Shaneb Bandh).

54. *Sarkidiornis melanotos* (Pennant)

*Common name* : Comb Duck (115), Nakta (Bengali).

*Distribution* : South 24 Pgs. (Sunderban), Birbhum (Ballavpur), Barddhaman (Katwa), Kolkata (Alipore Zoo), Jalpaiguri (Jaldapara), Murshidabad (Ahiron), Maldah (Farakka) and Nadia (Bagdebi Tala).

Order FALCONIFORMES

Family ACCIPITRIDAE

55. *Elanus caeruleus* (Desfontaines)

*Common name* : Black-shouldered Kite (124), Kapassi (Bengali).

*Distribution* : South 24 Pgs. (Sunderban), Darjiling (Mahananda), Jalpaiguri (BTR) and Medinipur (Joshpur).

56. *Aviceda jerdoni* (Blyth)

*Common name* : Jerdon's Baza (125).

*Distribution* : Jalpaiguri (Binnaguri, BTR).

57. *Aviceda leuphotes* (Dumont)

*Common name* : Black Baza (127).

*Distribution* : South 24 Pgs. (Sunderban), Darjiling (Singla, Sukna, Mahananda) and Jalpaiguri (BTR, Jaldapara).

58. *Pernis ptilorhynchus* Lesson

*Common name* : Oriental Honey-Buzzard (129-130).

*Distribution* : North 24 Pgs. (Madhyamgram, Saltlake), South 24 Pgs. (Sunderban, Narendrapur), Darjiling (Mahananda), Jalpaiguri (BTR).

59. *Milvus migrans* (Boddaert)

*Common name* : Black Kite (133), Cheel (Bengali).

*Distribution* : Kolkata (Indian Museum compound), Darjiling (Mahanadi), Jalpaiguri (BTR, Jaldapara, Gorumara), Medinipur (Joshpur), Nadia (Bethuadahari) North 24 Pgs.

(Nalbani) and South 24 Pgs. (Sunderban, Narendrapur).

60. ***Haliastur indus*** (Boddaert)

*Common name* : Brahminy Kite (135), Shankha Cheel (Bengali).

*Distribution* : North 24 Pgs. (Nalbani), Kolkata (Saltlake) South 24 Pgs. (Sunderban, Narendrapur), Kolkata (DunDum), Darjiling (Mahanadi) and Jalpaiguri (BTR, Jaldapara, Gorumara).

61. ***Accipiter badius*** (Gmelin)

*Common name* : Indian Shikra (138), Shikra (Bengali).

*Distribution* : Kolkata (Saltlake), South 24 Pgs. (Sunderban, Narendrapur), Darjiling (Selimbong, Samsingh, Mahanadi) and Jalpaiguri (BTR, Gorumara).

62. ***Accipiter virgatus*** (Temminck)

*Common name* : Basra Sparrowhawk (150).

*Distribution* : Darjiling (Mungpoo, Rangima, Selimbong, Mahanadi), Jalpaiguri (Haldibari BTR, Gorumara).

63. ***Accipiter nisus*** (Linnaeus)

*Common name* : Eurasian Sparrowhawk (147-148).

*Distribution* : Darjiling (Mungpoo, Mahanadi) and Jalpaiguri (Rehti forest, Banarhat tea estate, BTR, Jaldapara).

64. ***Buteo rufinus*** (Cretzschmar)

*Common name* : Long-legged Buzzard (153).

*Distribution* : Barddhaman and Jalpaiguri (Jaldapara).

65. ***Buteo buteo*** (Linnaeus)

*Common name* : Buzzard (156).

*Distribution* : South 24 Pgs., Darjiling (Neora Valley) and Jalpaiguri (Gorumara).

66. ***Butastur tessa*** (Franklin)

*Common name* : White-eyed Buzzard (157).

*Distribution* : Barddhaman.

67. ***Spizaetus cirrhatus*** (Gmelin)

*Common name* : Changeable Hawk-Eagle (161-162).

*Distribution* : Barddhaman, Darjiling (Mahananda) and Jalpaiguri (BTR, Jaldapara, Gorumra).

68. ***Spizaetus nipalensis*** (Hodgson)\*

*Common name* : Mountain Hawk Eagle (158).

*Distribution* : Darjiling (Mahananda) and Jalpaiguri (BTR).

69. ***Hieraaetus fasciatus*** (Vieillot)

*Common name* : Bonelli's Eagle (163).

*Distribution* : Barddhaman, Darjiling (Mahananda, Neora valley) and Jalpaiguri (BTR).

70. ***Hieraaetus pennatus*** (Gmelin)

*Common name* : Booted Eagle (164).

*Distribution* : Barddhaman and Jalpaiguri (Jaldapara).

71. ***Hieraaetus kienerii*** (E. Geoffroy) (165)

*Common name* : Rufous-bellied Eagle.

*Distribution* : Jalpaiguri (BTR).

72. ***Aquila heliaca*** Savigny

*Common name* : Eastern Imperial Eagle (167) Frus (Bengali).

*Distribution* : Barddhaman.

73. ***Aquila rapax*** (Temminck)

*Common name* : Tawny Eagle (168).

*Distribution* : Barddhaman and Darjiling (Mahananda).

74. ***Aquila nipalensis*** Hodgson

*Common name* : Steppe Eagle (169).

*Distribution* : Darjiling (Mahananda) and Jalpaiguri.

75. ***Aquila chrysaetos*** (Linnaeus)\*

*Common name* : Golden Eagle (166).

*Distribution* : South 24 Pgs. (Sunderban) and Jalpaiguri (BTR).

76. ***Aquila clanga*** Pallas

*Common name* : Greater Spotted Eagle (170).

*Distribution* : Barddhaman.

- 77. *Ictinaetus malayensis*** (Temminck)  
*Common name* : Black Eagle (172).  
*Distribution* : Barddhaman and Jalpaiguri (Buxa).
- 78. *Haliaeetus leucoryphus*** (Pallas)  
*Common name* : Pallas's Fish-Eagle (174)  
Machhal/ Koral (Bengali).  
*Distribution* : North 24 Pgs. (Nalbani, Saltlake, Mahisbathan), Darjiling (Mahananda) and Jalpaiguri (Gorumara).
- 79. *Haliaeetus leucogaster*** (Gmelin)\*  
*Common name* : White-bellied Eagle (173).  
*Distribution* : South 24 Pgs. (Sunderban).
- 80. *Ichthyophaga ichthyaetus***  
(Horsfield)  
*Common name* : Grey-headed Fish Eagle (175) Machhmoral (Bengali).  
*Distribution* : South 24 Pgs. (Sunderban), Barddhaman and Jalpaiguri (Gorumara).
- 81. *Ichthyophaga humilis*** (S. Muller & Schegel)\*  
*Common name* : Lesser Grey-headed Fish Eagle (177).  
*Distribution* : Darjiling (Mahananda) and Jalpaiguri (Jaldapara).
- 82. *Sarcogyps calvus*** (Scopoli)  
*Common name* : Red-headed Vulture (178)  
Kalo shakoon (Bengali).  
*Distribution* : Barddhaman.
- 83. *Gyps fulvus*** (Hablizl)  
*Common name* : Eurasian Griffon (180, 183).  
*Distribution* : Barddhaman and Jalpaiguri (BTR).
- 84. *Gyps indicus*** (Scopoli)  
*Common name* : Long-billed Vulture (182).  
*Distribution* : Barddhaman and Jalpaiguri (BTR).
- 85. *Gyps bengalensis*** (Gmelin)  
*Common name* : Indian White-backed Vulture (185) sakun (Bengali).  
*Distribution* : North 24 Pgs. (Saltlake), South 24 Pgs. (Sunderban, Narendrapur), Darjiling (Mahananda), Haora (Botanical Garden), Jalpaiguri (BTR, Gorumara, Jaldapara) and Nadia (Bethuadahari).
- 86. *Neophron percnopterus*** (Linnaeus)  
*Common name* : Egyptian Vulture (187)  
Swet sakun (Bengali).  
*Distribution* : Barddhaman and Jalpaiguri (Jaldapara).
- 87. *Circus cynaeus*** (Linnaeus)  
*Common name* : Hen Harrier (189) Math cheel (Bengali).  
*Distribution* : North 24 Pgs. (Nalbani), South 24 Pgs. (Sunderban) and Barddhaman.
- 88. *Circus macrourus*** (S.G.Gmelin)  
*Common name* : Pallied Harrier (190) Math cheel (Bengali).  
*Distribution* : Barddhaman, Darjiling (Mahananda) and Jalpaiguri (Gorumara, Jaldapara).
- 89. *Circus melanoleucos*** (Pennant)  
*Common name* : Pied Harrier (192).  
*Distribution* : North 24 Pgs. (Nalbani), South 24 Pgs. (Sunderban) and Jalpaiguri (BTR, Gorumara).
- 90. *Circus aeruginosus*** (Linnaeus)  
*Common name* : Western Marsh Harrier (193).  
*Distribution* : North 24 Pgs. (Nalbani Saltlake), South 24 Pgs. (Sunderban) and Jalpaiguri (BTR).
- 91. *Circus spilonotus*** Kaup\*  
*Common name* : Eastern Marsh-Harrier (194).  
*Distribution* : North 24 Pgs. (Nalbani, Saltlake).
- 92. *Circaetus gallicus*** (Gmelin)  
*Common name* : Short-toed Snake-Eagle (195) sapmaril (Bengali).  
*Distribution* : Barddhaman.

93. *Spilornis cheela* (Latham)

*Common name* :-crested Serpent-Eagle (197).

*Distribution*: North 24 Pgs. (Krishnapur canal (Saltlake)), South 24 Pgs. (Sunderban, Narendrapur), Darjiling (Samsing, Mahananda) Jalpaiguri (Gorumara, Jaldapara) and Nadia (Chakdaha).

94. *Pandion haliaetus* (Linnaeus)

*Common name*: Osprey (203) Utkrosh (Bengali).

*Distribution* : North 24 Pgs. (Nalbani), South 24 Pgs. (Sunderban) and Darjiling (Mahananda).

Family FALCONIDAE

95. *Microhierax caerulescens* (Linnaeus)

*Common name* : Collared Falconet (204).

*Distribution* : Darjiling (Teesta, Mahananda, Neora valley) and Jalpaiguri (BTR).

96. *Falco peregrinus* Tunstall

*Common name* : Peregrine Falcon (211).

*Distribution* : South 24 Pgs. (Sunderban), Barddhaman and Jalpaiguri (BTR, Gorumara).

97. *Falco subbuteo* Linnaeus

*Common name* : Eurasian Hobby (212).

*Distribution* : Barddhaman and Darjiling (Mahananda).

98. *Falco cherrug* J. E. Gray\*

*Common name* : Saker (206).

*Distribution* : Jalpaiguri (BTR).

99. *Falco chicquera* Daudin

*Common name* : Red-headed Falcon (219).

*Distribution* : Kolkata (Saltlake), South 24 Pgs. (Sunderban) and Darjiling (Mahananda).

100. *Falco naumanni* Fleischer

*Common name* : Lesser Kestrel (221).

*Distribution* : Barddhaman, Darjiling (Mahananda) and Jalpaiguri (BTR).

101. *Falco tinnunculus* Linnaeus

*Common name* : Common Kestrel (224).

*Distribution* : North 24 Pgs. (Nalbani), South 24 Pgs. (Sunderban), Barddhaman and Darjiling (Mahananda).

102. *Falco amurensis* Radde\*

*Common name* : Amur Falcon (220).

*Distribution* : Jalpaiguri (Jaldapara).

Order GALLIFORMES

Family PHASIANIDAE

103. *Fracolinus francolinus* (Linnaeus)

*Common name* : Black Francolin (238).

*Distribution* : Barddhaman and Jalpaiguri (BTR, Jaldapara).

104. *Rancolinus gularis* (Temminck)

*Common name* : Swamp Francolin (247).

*Distribution* : South 24 Pgs. (Sunderban) and Jalpaiguri (BTR).

105. *Fracolinus pondicerianus* (Gmelin)

*Common name* : Grey Francolin (245).

*Distribution* : Barddhaman, Darjiling (Mahananda) and Jalpaiguri (BTR, Gorumara, Jaldapara).

106. *Coturnix coromandelica* (Gmelin)

*Common name* : Rain Quail (252).

*Distribution* : South 24 Pgs. (Sunderban) and Barddhaman.

107. *Coturnix coturnix* (Linnaeus)\*

*Common name* : Common Quail (250).

*Distribution* : South 24 Pgs. (Sunderban), Darjiling (Mahananda) and Jalpaiguri (Gorumara).

108. *Coturnix chinensis* (Linnaeus)\*

*Common name* : Blue-breasted Quail (253).

*Distribution* : South 24 Pgs. (Sunderban) and Jalpaiguri (Gorumara).

109. *Perdicula asiatica* (Latham)

*Common name* : Jungle Bush-Quail (255).

*Distribution* : Barddhaman.

110. *Arborophila rufogularis* (Blyth)

*Common name* : Rufous-throated Hill-Partridge (270).

*Distribution* : Not known.

111. *Arborophila torqueola* (Valenciennes)\*

*Common name* : Common Hill-Partridge (267).

*Distribution* : Darjiling (Mahananda).

112. *Ithaginis cruentus* (Hardwicke)

*Common name* : Blood Pheasant (282).

*Distribution* : Darjiling (Sandakphu).

113. *Lophura leucomelanos* (Latham)

*Common name* : Kaleej Pheasant (295).

*Distribution* : Darjiling (Rajima, Mahananda, Neora Valley).

114. *Gallus gallus* (Linnaeus)

*Common name* : Red Junglefowl (299).

*Distribution* : Darjiling (Mahananda) and Jalpaiguri (Chunabhati, BTR, Gorumara, Jaldapara).

115. *Pavo cristatus* Linnaeus

*Common name* : Indian Peafowl (311) Mayur (Bengali).

*Distribution* : Koch Bihar, Darjiling (Mahananda) and Jalpaiguri (BTR, Gorumara, Jaldapara).

116. *Tragopan satyra* (Linnaeus)\*

*Common name* : Satyr Tragopan (286).

*Distribution* : Darjiling (Neora valley).

Order GRUIFORMES

Family TURNICIDAE

117. *Turnix tanki* Blyth

*Common name* : Yellow-legged Button Quail (314).

*Distribution* : South 24 Pgs. (Sunderban, Narendrapur) and Barddhaman.

118. *Turnix sylvatica* (Desfontanes)\*

*Common name* : Little Bustard Quail (313).

*Distribution* : Birbhum (Mahananda).

119. *Turnix suscitator* (Gmelin)

*Common name* : Common Buttonquail (316).

*Distribution* : South 24 Pgs. (Sunderban), Birbhum (Chandrapur, Suri), Bankura (Susunia Hills), Jalpaiguri (BTR) and Nadia (Prafullanagar).

Family RALLIDAE

120. *Rallus aquaticus* Linnaeus

*Common name* : Water Rail (328) Ambukukkut (Bengali).

*Distribution* : North 24 Pgs. (Babu bheri) and South 24 Pgs. (Sunderban).

121. *Porzana fusca* (Linnaeus)

*Common name* : Ruddy-breasted-Crake (339).

*Distribution* : North 24 Pgs. (Babu bheri Nalbani, Bantala), South 24 Pgs. (Sunderban, Narendrapur), Birbhum (Ballavpur, Ram Sayar), Barddhaman (Chittarnjan loco), Koch Bihar (Atimochar) and Jalpaiguri (Jaldapara).

122. *Porzana parva* (Scopoli)\*

*Common name* : Little Crake (335, 336).

*Distribution* : South 24 Pgs. (Sunderban), Koch Bihar (Nagathuli lake) and Maldah (Farakka).

123. *Porzana pusilla pusilla* (Pallas)

*Common name* : Baillon's Crake (337).

*Distribution* : North 24 Pgs. (Babu bheri Dattabad, Nalbani) and South 24 Pgs. (Sunderban).

124. *Amaurornis phoenicurus* (Pennant)

*Common name* : Chinese White-breasted Waterhen (343, 344) Panpaira (Bengali).

*Distribution* : South 24 Pgs. (Brace Bridge, Jhaukhali, Narendrapur), North 24 Pgs. (Nalbani, Bana Bitan, Bantala), Bankura, Barddhaman (Chittaranjan loco, Jamuna Dighi, Dampal Char, Katwa), Birbhum (Dwarka Barrage, Ram Sayar), Kolkata, Darjiling (Mahananda), Haora, Hugli (Belanagar), Jalpaiguri (Buxa-Raidak riverbed, Gorumara, Jaldapara, Arborophila), Medinipur, Murshidabad (Ahiyon), Nadia (Kalyani, Hansdanga Beel, Amda Beel, Shaguna Beel, Bhaluka), Puruliya (Shaneb Bandh) and Dinajpur.

125. *Gallinix cinerea* (Gmelin)

*Common name* : Watercock (346) Jal morag (Bengali).

*Distribution* : North 24 Pgs. (Kalikapur, Nalbani), Kolkata (Saltlake), Maldah (Farakka).

126. *Gallinula chloropus* Blyth

*Common name* : Indian Moorhen (347) Jal murgi (Bengali).



*Distribution* : North 24 Pgs. (Nalbani, Bana Bitan, Babubheri, Saltlake, Khareberia, Bantala), South 24 Pgs. (Natun Diara, Jhaukhali), Barddhaman (Chittaranjan loco, Jamuna Dighi, Dampal Char), Bankura (Ranjanagar), Birbhum (Tilpara Barrage, Dwarka Barrage, Ram sayar, Pabaipara Dighi, Gopal Nagar Bandh), Kolkata (Rabindra Sarobar), Darjiling (Mahananda), Hugli (Mrigala), Haora (Santragachi, Uluberia), Murshidabad (Anara Rly. Bandh), Nadia (Bagdebi Tala, Shaguna Beel, Bhaluka) and Puruliya (Shaneb Bandh).

127. ***Porphyrio porphyrio*** (Linnaeus)

*Common name* : Purple Moorhen (349).

*Distribution* : North 24 Pgs. (Nalbani, Bana Bitan, Khariberia, Bantala), Barddhaman (Chittaranjan loco, Katwa), Birbhum (Jhugadamai pukur, Pabaipara Dighi, Gopal Nagar), Koch Bihar (Nagathuli lake), Kolkata (Rabindra Sarobar), Darjiling (Mahananda), Hugli (Mrigala), Haora (Santragachi), Jalpaiguri (BTR), Murshidabad (Ahiron), Medinipur (Anara Rly. bandh) and Maldah (Farakka).

128. ***Fulica atra*** Linnaeus

*Common name* : Common Coot (350) Jal kukkut (Bengali).

*Distribution* : North 24 Pgs. (Nalbani, Bana Bitan, Bantala), South 24 Pgs. (Sunderban), Birbhum (Ballavpur, Dwarka Barrage, Ram sayar), Barddhaman (Chittaranjan loco, Jamuna Dighi, Durgapur Barrage), Hugli (Kol Beel Mrigala, Haora (Santragachi), Jalpaiguri (Buxa-Raidak Riverbed), Murshidabad (Ahiron), Nadia (Bagdebi tala, Kalyani, Bhaluka) and Puruliya (Shaneb Bandh).

Order CHARADRIIFORMES

Family JACANIDAE

129. ***Hydrophasianus chirurgus*** (Scopoli)

*Common name* : Pheasant-tailed Jacana (358) Surdal (Bengali).

*Distribution* : South 24 Pgs. (Jhaukhali), North 24 Pgs. (Nalbani), Barddhaman (Chittaranjan loco, Durgapur Barrage), Birbhum (Pabaipara Dighi), Haora (Santragachi),

Jalpaiguri (Gorumara), Murshidabad (Ahiron), Medinipur (Anara Rly. Bandh, Digha Shore), Maldah (Farakka) and Nadia (Bagdebi Tala, Bhaluka).

130. ***Metopidius indicus*** (Latham)

*Common name* : Bronze-winged Jacana (359) Karatiya (Bengali).

*Distribution* : South 24 Pgs. (Jhaukhali), North 24 Pgs. (Nalbani, Bana Bitan, Khareberia), Birbhum (Chandrapur, Dwarka Beel, Ram sayar, Jugadamai Pukur, Pabaipara Dighi), Barddhaman (Chittarnjan loco, Jamuna Dighi, Dampal Char, Durgapur Barrage, Katwa), Kolkata (Rabindra Sarobar), Darjiling (Mahananda), Haora (Santragachi), Jalpaiguri (BTR, Gorumara), Murshidabad (Ahiron), Medinipur (Anara Rly. Bandh), Nadia (Kalyani, Amda Beel, Shaguna Beel, Baro Sagardighi) and Puruliya (Bandoan).

Family ROSTRATULIDAE

131. ***Rostratula benghalensis*** (Linnaeus)

*Common name* : Greater Painted Snipe (429) Baggarji (Bengali).

*Distribution* : North 24 Pgs. (Mitpukur, Nalbani), South 24 Pgs. (Sunderban) and Barddhaman (Katwa).

Family CHARADRIIDAE

Subfamily CHARADRIINAE

132. ***Vanellus cinereus*** (Blyth)

*Common name* : Grey-headed Lapwing (365).

*Distribution* : South 24 Pgs. (Mitpukur, Dabur Char, Sambhunagar), Barddhaman (Dampal Char), Birbhum (Dwarka barrage, Jugadamai pukur), Koch Bihar (Nagarthuli lake), Hugli (Kol Beel), Jalpaiguri (Jaldapara, Buxa-raidak riverbed), Maldah (Farakka) and Nadia (Bethuadahari).

133. ***Vanellus indicus indicus*** (Boddaert)

*Common name* : Red-wattled Lapwing (366).

*Distribution* : South 24 Pgs. (Dayapur, Dabur char, Sambhunagar, Narendrapur), North 24 Pgs. (Khariberia), Barddhaman

(Jamuna Dighi, Dampal Char), Birbhum (Pabaipara dighi), Darjiling (Mahananda), Hugli (Kol Beel), Jalpaiguri (Jaldapara, Gorumara, Buxa-Raidak riverbed) and Medinipur (Digha shore).

134. ***Vanellus spinosa duvaucelli***  
(Lesson)

*Common name* : River Lapwing (369).

*Distribution* : Darjiling (Terai, Mahananda) and Jalpaiguri (BTR, Jaldapara).

135. ***Vanellus malabaricus*** (Boddaert)

*Common name* : Yellow-wattled Lapwing (370).

*Distribution* : South 24 Pgs. (Sunderban), Barddhaman and Jalpaiguri (Jaldapara).

136. ***Pluvialis squatarola*** (Linnaeus)

*Common name* : Grey Plover (371) Bada batan (Bengali).

*Distribution* : South 24 Pgs. (Chamatala, Sagar Island) and Jalpaiguri (BTR, Gorumara).

137. ***Pluvialis dominica fulva*** (Gmelin)

*Common name* : Pacific Golden Plover (373).

*Distribution* : South 24 Pgs. (Bakkhali, Sagar Island, Champatala beach, Dayapur, Gomar River bank, Sagar Island), North 24 Pgs. (Bantala), Hugli (Kol Beel), Jalpaiguri (Gorumara, Buxa-raidak riverbed) and Medinipur (Malabati camp, Digha Shore).

138. ***Charadrius leschenaultii*** Lesson

*Common name* : Greater Sand Plover (374).

*Distribution* : South 24 Pgs. (Champatala, Sagar Island).

139. ***Charadrius dubius*** Scopoli

*Common name* : Little Ringed Plover (379-80) Firia (Bengali).

*Distribution* : South 24 Pgs. (Dabur Char), Barddhaman (Chittaranjan loco, Jamuna Dighi, Katwa), Darjiling (Mahanada), Haora (Hansmarir Char), Jalpaiguri (Phulbari Barrage, Gorumara, Jaldapara), Murshidabad (Ahiron), Medinipur (Belpahari, Digha shore), Nadia (Bagdebi Tala, Baro sagardighi), Puruliya

(Shaneb bandh), North 24 Pgs. (Nalbani), Koch Bihar (Nagathuli lake) and Medinipur (Belpahari).

140. ***Charadrius alexandrinus*** Linnaeus

*Common name* : Kentish Plover (381).

*Distribution* : South 24 Pgs. (Dabur Char), North 24 Pgs. (Nalbani), Barddhaman, Jalpaiguri (Gorumara, Buxa-raidak riverbed), Medinipur (Digha Shore) and Nadia (Bagdebi Tala).

141. ***Charadrius placidus*** J.E. Gray

*Common name* : Long-billed Ringed Plover (383).

*Distribution* : Barddhaman.

142. ***Charadrius mongolus*** Pallas

*Common name* : Lesser Sand Plover (384).

*Distribution* : South 24 Pgs. (Champatala, Sunderban).

143. ***Charadrius hiaticula*** Linnaeus\*

*Common name* : Common Ringed Plover (378).

*Distribution* : North 24 Pgs. (Nalbani).

Subfamily SCOLOPACINAE

144. ***Numenius phaeopus*** (Linnaeus)

*Common name* : Whimbrel (385) Chhota gulinda (Bengali).

*Distribution* : South 24 Pgs. (Sagar Island, Dabur Char) and Murshidabad (Ahiron).

145. ***Numenius phaeopus variegatus***  
(Scopoli)

*Common name* : Eastern Whimbrel (386) Chhota gulinda (Bengali).

*Distribution* : South 24 Pgs. (Suparibhanga Island, Bagmara, Sunderban).

146. ***Numenius arquata*** (Linnaeus)

*Common name* : Eurasian Curlew (387) Sada Kastachura (Bengali).

*Distribution* : South 24 Pgs. (Champatala, Sagar Island, Dabur char), Birbhum (Pabaipara Dighi) and Murshidabad (Ahiron).

147. *Limosa limosa* (Linnaeus)\*

*Common name* : Black-tailed Godwit (389-90).

*Distribution* : North 24 Pgs. (Saltlake).

148. *Tringa erythropus* (Pallas)

*Common name* : Spotted Rodshank (392).

*Distribution* : North 24 Pgs. (Mitpukur) and South 24 Pgs. (Sunderban).

149. *Tringa totanus totanus* (Linnaeus)

*Common name* : Common Redshank (393, 394).

*Distribution* : South 24 Pgs. (Chompatala Beach, Kakdwip, Dabur Char, Jhaukhali Suparibhanga), North 24 Pgs. (Nalbani, Bantala), Birbhum (Dwarka Barrage), Kolkata (Kolkata), Hugli (Kol Beel), Murshidabad (Ahiron) and Medinipur (Digha Shore).

150. *Tringa stagnatilis* (Bechstein)

*Common name* : Marsh Sandpiper (395) Biler balubatan (Bengali).

*Distribution* : South 24 Pgs. (Mitpukur, Sunderban) and North 24 Pgs. (Nalbani).

151. *Tringa nebularia* (Gunner)

*Common name* : Common Greenshank (396) Gotra (Bengali).

*Distribution* : North 24 Pgs. (Bantala), South 24 Pgs. (Dabur Char, Manmathanagar), Hugli (Kol Beel), Jalpaiguri (Jaldapara), Murshidabad (Ahiron), Medinipur (Digha Shore) and Nadia (Bagdebi Tala).

152. *Tringa ochropus* Linnaeus

*Common name* : Green Sandpiper (397).

*Distribution* : South 24 Pgs. (Dabur Char, Narendrapur, Sunderban), North 24 Pgs. (Nalbani, Bantala), Birbhum (Chandrapur), Darjiling (Mahananda), Haora (Hansmair Char), Hugli (Kol Beel), Jalpaiguri (Gorumara, BTR), Medinipur (Joshpur, near Banspahari, Digha Shore) and Nadia (Bagdebi Tala).

153. *Tringa glareola* Linnaeus

*Common name* : Wood Sandpiper (398) Balu batan (Bengali).

*Distribution* : South 24 Pgs. (Gangasagar, Suparibagan), North 24 Pgs. (Nalbani, Mitpukur, Thakurdwari), Bankura (Susunia Hills), Koch Bihar (Nagathuli lake), Jalpaiguri (BTR) and Medinipur (Chilkigarh Malabati Camp).

154. *Xenus cinereus* (Guldenstadt)

*Common name* : Terek Sandpiper (400).

*Distribution* : Not known.

155. *Actitis hypoleucos* Linnaeus

*Common name* : Common Sandpiper (401).

*Distribution* : South 24 Pgs. (Baliara, Dabur Cahar, Brace Bridge, Natun Diara, Dayapur Kamachhapur, Sambhunagar, Suparibhanga Island), North 24 Pgs. (Bantala, Nalbani, Mitpukur, Sukchar), Barddhaman (Bater Beel, Chittaranjan loco, Durgapur Barrage), Bankura (Mukutmonipur), Birbhum (Tilpara Barrage, Gopal Nagar Bandh), Darjiling (Mahananda), Hugli (Kol Beel, Dekol Beel), Haora (Uluberia), Jalpaiguri (Phulbari Barrage, BTR, Gorumara), Murshidabad (Ahiron), Medinipur (Digha Shore), Nadia (Bagdebi Tala, Kalyani) and Puruliya (Shaneb Bandh).

156. *Arenaria interpres interpres* (Linnaeus)

*Common name* : Ruddy Turnstone (402).

*Distribution* : South 24 Pgs. (Gangasagar, Dabur Char, Brace Bridge, Natun Diara), North 24 Pgs. (Nalbani, Bantala), Barddhaman (Bater Beel, Chittaranjan loco), Koch Bihar (Nagathuli lake), Hugli (Kol Beel, Dekol Beel), Haora (Uluberia), Jalpaiguri (Buxa-Raidak riverbed) and Medinipur (Arana Rly. Bandh).

157. *Gallinago solitaria solitaria* Hodgson

*Common name* : Solitary Snipe (404).

*Distribution* : Darjiling (Selimbong).

158. *Gallinago nemoricola* Hodgson

*Common name* : Wood Snipe (405) Ban chaha (Bengali).

*Distribution* : South 24 Pgs. (Pukurkhona Suburb of Kolkata), Darjiling (Mahananda) and Jalpaiguri (BTR, Gorumara).

159. ***Gallinago stenura*** (Bonaparte)  
*Common name* : Pintail Snipe (406)  
 Kadakhocha (Bengali).  
*Distribution* : North 24 Pgs. (Mitpukur),  
 South 24 Pgs. (Sunderban), Birbhum  
 (Chandrapur) and Jalpaiguri (BTR, Gorumara).
160. ***Gallinago gallinago*** (Linnaeus)  
*Common name* : Common Snipe (409)  
 Kadakhocha (Bengali).  
*Distribution* : North 24 Pgs. (Nalbani, Palta,  
 Mitpukur), South 24 Pgs. (Sunderban),  
 Barddhaman (Chittaranjan loco), Birbhum  
 (Dwarka Barrage), Darjiling (Mahananda), Hugli  
 (Kol Beel), Haora (Santragachi, Uluberia),  
 Jalpaiguri (BTR, Jaldapara, Gorumara), Nadia  
 (Baro Sangardighi) and Puruliya (Shaneb  
 Bandh).
161. ***Lymnocyptes minimus*** (Brunnich)  
*Common name* : Jack Snipe (410).  
*Distribution* : North 24 Pgs. (Mitpukur),  
 South 24 Pgs. (Sunderban) and Jalpaiguri  
 (Jaldapara).
162. ***Scolopax rusticola*** Linnaeus  
*Common name* : Eurasian Woodcock (411).  
*Distribution* : Darjiling (Sandakphu) and  
 Jalpaiguri (BTR, Gorumara).
163. ***Calidris canutus*** (Linnaeus)  
*Common name* : Red Knot (412).  
*Distribution* : Barddhaman.
164. ***Calidris tenuirostris*** (Horsfield)  
*Common name* : Great Knot (413).  
*Distribution* : South 24 Pgs., Birbhum and  
 Medinipur.
165. ***Calidris ruficollis*** (Pallas)  
*Common name* : Rufous-necked Stint (415).  
*Distribution* : North 24 Pgs. (Mitpukur).
166. ***Calidris minuta*** (Leisler)  
*Common name* : Little Stint (416).  
*Distribution* : South 24 Pgs. (Champatala,  
 Sagar Island), North 24 Pgs. (Mitpukur,  
 Nalbani), Darjiling (Mahananda), Jalpaiguri  
 (Jaldapara, Buxa-Raidak riverbed) and Nadia  
 (Bhaluka).
167. ***Calidris temminckii*** (Leisler)  
*Common name* : Temminck's Stint (417).  
*Distribution* : North 24 Pgs. (Nalbani,  
 Mitpukur), Koch Bihar (Nagathuli lake),  
 Jalpaiguri (Phulbari Barrage), Medinipur (Anara  
 Rly. Bandh) and Nadia (Bhaluka).
168. ***Calidris subminutus*** (Middendorff)  
*Common name* : Long-toed Stint (418).  
*Distribution* : North 24 Pgs. (Mitpukur) and  
 South 24 Pgs. (Sunderban).
169. ***Calidris ferruginea*** (Pontoppidan)  
*Common name* : Curlew-Sandpiper (422).  
*Distribution* : South 24 Pgs. (Sagar Island).
170. ***Limicola falcinellus sibirica***  
 Dresser  
*Common name* : Broad-billed Sandpiper  
 (425).  
*Distribution* : South 24 Pgs. (Champatala).
171. ***Philomachus pugnax*** (Linnaeus)  
*Common name* : Ruff (426) Geowala  
 (Bengali).  
*Distribution* : North 24 Pgs. (Mitpukur),  
 Kolkata (Suburb of Kolkata).
- Family RECURVIROSTRIDAE
172. ***Himantopus himantopus*** (Linnaeus)  
*Common name* : Black-winged Stilt (430) Lal  
 thengi (Bengali).  
*Distribution* : South 24 Pgs. (Dabur Char,  
 Natun Diara), North 24 Pgs. (Nalbani,  
 Khariberia, Hansmarir char), Barddhaman  
 (Bater Beel, Jamuna Dighi), Birbhum (Ram  
 Sayar), Darjiling (Mahananda), Medinipur  
 (Digha Shore) and Nadia (Bhaluka Beel, Baro  
 Sagardighi).
173. ***Recurvirostra avosetta*** Linnaeus  
*Common name* : Avocet (432).  
*Distribution* : North 24 Pgs. (Nalban bberry).
- Family BURHINIDAE
174. ***Burhinus oedicnemus*** (Linnaeus)  
*Common name* : Stone-Curlew (436) Chotta  
 shilabatan (Bengali).

*Distribution* : Barddhaman, Darjiling (Mahananda), Jalpaiguri (Jaldapara, Gorumara) and Murshidabad (Ahiron).

175. ***Burhinus magnirostris*** (Vieillot)\*

*Common name* : Beach Stone-Plover (438).

*Distribution* : Koch Bihar (Nagathuli lake) and Jalpaiguri (Gorumara).

Family GLAREOLIDAE

176. ***Cursorius coromandelicus*** (Gmelin)

*Common name* : Indian Courser (440).

*Distribution* : Barddhaman.

177. ***Glareola maldivarum*** J.R. Forster

*Common name* : Oriental Pratincole (443) Bada bahuibatan (Bengali).

*Distribution* : North 24 Pgs. (Bantala, Mahisbathan Nalbani), South 24 Pgs. (Sagar Island Kapil muni ashram).

178. ***Glareola lactea*** Temminck

*Common name* : Small Pratincole (444) Chotta babuibatan (Bengali).

*Distribution* : Barddhaman and Jalpaiguri (Gorumara).

Family LARIDAE

179. ***Larus ichthyaetus*** Pallas

*Common name* : Pallas's Gull (453).

*Distribution* : South 24 Pgs. (Fraserganj, Sunderban).

180. ***Larus brunnicephalus*** Jerdon

*Common name* : Brown-headed Gull (454).

*Distribution* : South 24 Pgs. (Sagar Island, Dabur Char), North 24 Pgs. (Nalbani), Medinipur (Anara Rly. bandh) and Nadia (Baro Sagar Dighi).

181. ***Larus ridibundus*** Linnaeus

*Common name* : Black-headed Gull (455).

*Distribution* : North 24 Pgs. (Nalbani), South 24 Pgs. (Sunderban) and Medinipur (Anara Rly. bandh).

182. ***Chlidonias hybridus*** (Pallas)

*Common name* : Whiskered Tern (458).

*Distribution* : South 24 Pgs. (Joiria, Sunderban), North 24 Pgs. (Nalbani), Hugli

(Kol Beel), Medinipur (Anara Rly. Bandh), Maldah (Farakka) and Nadia (Baro Sagar Dighi).

183. ***Chlidonias leucopterus*** (Temminck)

*Common name* : White-winged Black Tern (459).

*Distribution* : North 24 Pgs. (Nalbani), South 24 Pgs. (Sunderban) and Maldah (Farakka).

184. ***Gelochelidon nilotica*** (Gmelin)

*Common name* : Javan Gull-billed Tern (461).

*Distribution* : South 24 Pgs. (Sajnekhali,, Sunderban).

185. ***Sterna aurantia*** J.E.Gray

*Common name* : River Tern (463).

*Distribution* : North 24 Pgs. (Bantala, Nalbani), South 24 Pgs. (Dabur Char, Natun Diara), Barddhaman (Jamuna Dighi), Jalpaiguri (Gajol Doba, Gorumara, BTR), Nadia (Baro Sagar Dighi) and Dinajpur (Raigunj).

186. ***Sterna hirundo*** Linnaeus

*Common name* : Common Tern (465).

*Distribution* : North 24 Pgs. (Nalbani), Barddhaman (Chittaranjan loco), Haora (Uluberia), Medinipur (Anara Rly. Bandh), Maldah (Farakka) and Dinajpur (Raigunj).

187. ***Sterna acuticauda*** J.E. Gray

*Common name* : Black-bellied Tern (470).

*Distribution* : Barddhaman and Jalpaiguri (Gorumara).

188. ***Sterna saundersi*** Hume

*Common name* : Saunders's Tern (477).

*Distribution* : South 24 Pgs. (Baghmara, Sunderban) and Jalpaiguri (Gorumara).

189. ***Sterna bergii*** Lichtenstein

*Common name* : Large Crested Tern (478)

*Distribution* : South 24 Pgs. (Baghmara, Sunderban).

190. ***Sterna bengalensis*** Lesson

*Common name* : Lesser Crested Tern (479).

*Distribution* : South 24 Pgs.

Order COLUMBIFORMES

Family COLUMBIDAE

191. ***Treron sphenura*** (Vigors)

*Common name* : Wedge-tailed Green-Pigeon (494).

*Distribution* : Darjiling (Kumani, Kalimpong Forest Division, Mahananda) and Jalpaiguri (BTR).

192. ***Treron apicauda*** Blyth\*

*Common name* : Pin-tailed Green-Pigeon (493).

*Distribution* : Darjiling (Mahananda) and Jalpaiguri (BTR).

193. ***Treron pompadora*** (Blyth)

*Common name* : Pompadour Green-Pigeon (499) Hariyal (Bengali).

*Distribution* : Barddhaman, Birbhum and Jalpaiguri.

194. ***Treron bicincta*** (Jerdon)

*Common name* : Orange-breasted Green-Pigeon (501).

*Distribution* : South 24 Pgs. (Sunderban), Barddhaman, Koch Bihar, Jalpaiguri (BTR) and Maldah.

195. ***Treron phoenicoptera*** (Latham)

*Common name* : Yellow-legged Green-Pigeon (503).

*Distribution* : South 24 Pgs. (Sunderban, Narendrapur), Bankura (Baripal Dam), Haora (Botanical Garden), Jalpaiguri (BTR, Jaldapara, Gorumara) and Medinipur (Banspahari).

196. ***Ducula aenea*** (Linnaeus)

*Common name* : Green Imperial-Pigeon (506).

*Distribution* : Jalpaiguri (Chilapata, Gorumara, BTR, Jaldapara).

197. ***Ducula badia*** (Raffles)\*

*Common name* : Mountain Imperial-Pigeon (510).

*Distribution* : Darjiling (Mahananda).

198. ***Columba livia intermedia*** Strickland

*Common name* : Blue Rock Pigeon (517) Gola pyra (Bengali).

*Distribution* : South 24 Pgs. (Narendrapur), Jalpaiguri (BTR, Gorumara) and Medinipur (Belpahari).

199. ***Columba pulchricollis*** Blyth\*

*Common name* : Ashy Wood Pigeon (523).

*Distribution* : Darjiling (Neora valley) and Jalpaiguri (BTR).

200. ***Columba hodgsonii*** Vigors

*Common name* : Speckled Wood-Pigeon (520).

*Distribution* : Darjiling (Neora valley).

201. ***Macropygia unchall*** (Wagler)

*Common name* : Barred Cuckoo-Dove (526).

*Distribution* : Darjiling (Selimbong) and Jalpaiguri (BTR, Gorumara).

202. ***Streptopelia decaocto*** (Frivaldszky)

*Common name* : Eurasian Collared Dove (534) Par ghughu (Bengali).

*Distribution* : North 24 Pgs. (Bana Bitan), South 24 Pgs. (Sunderban, Narendrapur), Darjiling (Mahananda), Jalpaiguri (BTR, Jaldapara, Gorumara), Medinipur (Kanaisoli, Belpahari, Malabati) and Nadia (Bethuadahari).

203. ***Streptopelia tranquebarica***

(Hermann)

*Common name* : Red Collared-Dove (536) Lal Ghughu (Bengali).

*Distribution* : North 24 Pgs. (Mitpukur, Saltlake) and Jalpaiguri (BTR).

204. ***Streptopelia chinensis suratensis***

(Gmelin)

*Common name* : Spotted Dove (537).

*Distribution* : North 24 Pgs. (Duttabad, Saltlake), South 24 Pgs. (Raidighi, Canning, Narendrapur), Bankura (Susunia Hills), Darjiling (Mahananda, Neora valley), Jalpaiguri (Gorumara, Jaldapara), Medinipur (Bansphari, Kankrajhar) and Nadia (Bethuadahari).

205. ***Streptopelia orientalis*** (Latham)\*

*Common name* : Oriental Turtle Dove (530).

*Distribution* : Darjiling (Mahanadi) and Jalpaiguri (Gorumara).

206. ***Streptopelia senegalensis*** (Linnaeus)

*Common name* : Little Brown Dove (541).

*Distribution* : South 24 Pgs. (Sunderban) and Bankura (Susunia Hills).

207. ***Chalcophaps indica*** (Linnaeus)

*Common name* : Emerald Dove (542).

*Distribution* : South 24 Pgs. (Sunderban, Narendrapur), Darjiling (Kalijhora), Jalpaiguri (Jaldapara, BTR, Gorumara) and Nadia (Bethuadahari).

Order PSITTACIFORMES

Family PSITTACIDAE

208. ***Psittacula eupatria*** (Linnaeus)

*Common name* : Alexandrine Parakeet (545) Chandana (Bengali).

*Distribution* : North 24 Pgs. (Saltlake), South 24 Pgs. (Sunderban), Barddhaman and Jalpaiguri (BTR, Jaldapara).

209. ***Psittacula krameri*** (Scopoli)

*Common name* : Rose-ringed Parakeet (549) Tiya (Bengali).

*Distribution* : North 24 Pgs. (Nalbani, Saltlake), South 24 Pgs. (Sunderban, Narendrapur), Darjiling (Mahananda), Jalpaiguri (BTR, Jaldapara, Gorumara), Medinipur (Belphari) and Nadia (Bethuadahari).

210. ***Psittacula alexandri*** (Linnaeus)

*Common name* : Red-breasted Parakeet (551).

*Distribution* : Darjiling (Mahananda), Jalpaiguri (Ambari, Baikanthapur Forest, Gorumara, BTR, Jaldapara) and Nadia (Bethuadahari).

211. ***Psittacula cyanocephala*** (Linnaeus)

*Common name* : Blossom-headed Parakeet (557) Fultusi (Bengali).

*Distribution* : South 24 Pgs. (Sunderban, Narendrapur), Darjiling (Mahananda), Jalpaiguri (BTR) and Medinipur (Bansphari).

Order CUCULIFORMES

Family CUCULIDAE

212. ***Clamator coromandus*** (Linnaeus)

*Common name* : Red-winged Crested Cuckoo (569).

*Distribution* : Bankura, Kolkata (Indian Museum compound) and Darjiling (Mahananda).

213. ***Clamator jacobinus serratus***  
(Sparrman)

*Common name* : Pied-crested Cuckoo (570-71) Shah bulbul (Bengali).

*Distribution* : Kolkata (Kolkata), North 24 Pgs. (Nalbani, Sukchar, Kalikapur), South 24 Pgs. (Sunderban, Sambhunaga, Narendrapur), Darjiling (Mahananda), Jalpaiguri (Jaldapara) and Barddhaman (Barakar).

214. ***Hierococcyx varius*** Vahl

*Common name* : Brainfever Bird (573) Chohgallo (Bengali).

*Distribution* : North 24 Pgs. (Bantala, Saltlake), South 24 Pgs. (Baruipur, Sunderban, Narendrapur), Bankura (Susunia Hills), Haora (Botanical Garden), Jalpaiguri (Khuntimari, BTR), Nadia (Bethuadahari) and Puruliya (Matha).

215. ***Cuculus micropterus*** Gould

*Common name* : Indian Cuckoo (576) Bou-Katha-kao (Bengali).

*Distribution* : North 24 Pgs. (Saltlake), South 24 Pgs. (Sunderban, Narendrapur), Barddhaman, Darjiling (Mahananda), Jalpaiguri (BTR, Jaldapara, Gorumara) and Nadia (Bethuadahari).

216. ***Hierococcyx fagax*** (Horsfield)\*

*Common name* : Hodgson's Hawk-Cuckoo (575).

*Distribution* : Darjiling (Mahananda) and Jalpaiguri (Jaldapara).

217. ***Cuculus poliocephalus*** Latham\*

*Common name* : Lesser Cuckoo (581).

*Distribution* : Darjiling (Mahananda).

218. **Cuculus canorus** Linnaeus  
*Common name* : Common Cuckoo (578).  
*Distribution* : North 24 Pgs. (Nalbani), South 24 Pgs. (Sunderban), Darjiling (Mahananda) and Jalpaiguri (BTR).
219. **Cuculus saturatus** Blyth  
*Common name* : Oreintal Cuckoo (580).  
*Distribution* : South 24 Pgs., Darjiling (Mahananda) and Jalpaiguri (Gorumara).
220. **Chrysococcyx maculates** (Gmelin)\*  
*Common name* : Emerald Cuckoo (586).  
*Distribution* : Darjiling (Mahananda).
221. **Chrysococcyx xanthorhynchus** (Horsfield)  
*Common name* : Violet Cuckoo (587).  
*Distribution* : Darjiling (Mahananda).
222. **Cacomantis sonneratii** (Latham)  
*Common name* : Banded Bay Cuckoo (528).  
*Distribution* : Barddhaman.
223. **Cacomantis merulinus** (Scopoli)  
*Common name* : Rufous-bellied Plaintive Cuckoo (585) Chotta bharau (Bengali).  
*Distribution* : North 24 Pgs. (Babubheri, Saltlake, Nalbani, Kalikapur), South 24 Pgs. (Sunderban, Narendrapur) and Darjiling (Mahananda, Neora valley).
224. **Cacomantis passerinus** (Vahl)\*  
*Common name* : Indian Plaintive Cuckoo (584).  
*Distribution* : Darjiling (Mahananda) and Jalpaiguri (Jaldapara).
225. **Eudynamys scolopacea** (Linnaeus)  
*Common name* : Asian Koel (590) Kokil (Bengali).  
*Distribution* : South 24 Pgs. (Raidighi, Sunderban, Narendrapur), North 24 Pgs. (Saltlake), Barddhaman (Arrah), Bankura (Susunia Hills), Kolkata (Indian Museum compound), Haora (Botanical Garden), Jalpaiguri (Gorumara, Jaldapara) and Medinipur (Bansphari Belpahari).
226. **Rhopodytes tristis** (Lesson)  
*Common name* : Large Green-billed Malkoha (593) Bon Kokil (Bengali).  
*Distribution* : South 24 Pgs. (Sunderban) and Jalpaiguri (Chunabati, BTR, Gorumara).
227. **Taccocua leschenaultii** (Lesson)  
*Common name* : Sirkeer Malkoha (596).  
*Distribution* : Darjiling (Mahananda).
228. **Centropus sinensis** (Stephens)  
*Common name* : Greater Coucal (600-601) Kuka (Bengali).  
*Distribution* : North 24 Pgs. (Bantala, Saltlake, Kalikapur, Nalbani), South 24 Pgs. (Sunderban, Narendrapur), Jalpaiguri (Gorumara, jaldapara), Barddhaman (Govinpur), Kolkata (Kolkata) and Puruliya (Monoharpur Mohanpur).
229. **Centropus chlororhynchus** Blyth\*  
*Common name* : Lesser Coucal (605).  
*Distribution* : North 24 Pgs. (Saltlake) and Jalpaiguri (Gorumara).
- Order STRIGIFORMES  
Family STRIGIDAE  
Subfamily TYTONINAE
230. **Tyto alba** (Scopoli)  
*Common name* : Barn Owl (606) Lakshmi pecha (Bengali).  
*Distribution* : North 24 Pgs. (Saltlake), South 24 Pgs. (Sambhunagar, Sunderban), Kolkata (Chowranghee), Darjiling (Mahananda), Haora (Botanical Garden) and Jalpaiguri (Jaldapara).  
Family STRIGIDAE
231. **Otus spilocephalus** (Blyth)  
*Common name* : Spotted Scops-Owl (612).  
*Distribution* : Darjiling (Mungpow below Sureil, Mahananda, Neora valley) and Jalpaiguri (BTR, Jaldapara).
232. **Otus scops sunia** (Hodgson)  
*Common name* : Oriental Scops-Owl (616).  
*Distribution* : South 24 Pgs. (Sunderban), Kolkata, Darjiling (Mahananda) and Jalpaiguri



(Ambari, Baikanthapur Rehti Forest, Moraghat Forest).

233. *Otus bakkamoena* Pennant

*Common name* : Collared Scops-Owl (622).

*Distribution* : Birbhum (Chandrapur) and Darjiling (Mahananda).

234. *Otus bakkamoena lettia* (Hodgson)

*Common name* : Collared Scops-Owl (624).

*Distribution* : Darjiling (Kalijhora Thumbbo) and Jalpaiguri (Moraghat).

235. *Bubo bubo* (Linnaeus)

*Common name* : Eurasian Eagle-Owl (627) Hutom Pecha (Bengali).

*Distribution* : South 24 Pgs. (Sunderban), Birbhum, Darjiling (Mahananda) and Medinipur.

236. *Bubo nipalensis* Hodgson

*Common name* : Forest Eagle-Owl (628).

*Distribution* : Darjiling (Below Darjiling Soong, Mahanada, Neora valley) and Jalpaiguri (BTR, Gorumara, Jaldapara).

237. *Bubo zeylonensis* (Gmelin)

*Common name* : Brown Fish-Owl (631) Bhootom Pecha (Bengali).

*Distribution* : South 24 Pgs. (Sunderban, Narendrapur), Darjiling (Singla) and Jalpaiguri (Rajabhatkhowa, Morghat, Torsa river, Haldibari, Gorumara, Jaldapara).

238. *Ketupa flavipes* (Hodgson)

*Common name* : Tawny Fish-Owl (633).

*Distribution* : Barddhaman, Darjiling (Mahananda), Medinipur and Puruliya.

239. *Glaucidium brodiei* (Burton)

*Common name* : Collared Owllet (635).

*Distribution* : Darjiling (Pashok Lebta Road, Mangphu, Mahananda, Neora valley).

240. *Glaucidium radiatum* (Tickell)

*Common name* : Barred Jungle Owllet (636) Chotta Kalpencha (Bengali).

*Distribution* : Darjiling (Samsung, Neora valley) and Jalpaiguri (BTR, Gorumara).

241. *Glaucidium cuculoides* (Vigors)

*Common name* : Asian Barred Owllet (639 & 641).

*Distribution* : Darjiling (Kumani, Palmajua, Mahananda) and Jalpaiguri (Sipchu Beat, upper Tandloo forest Range).

242. *Ninox scutulata* (Raffles)

*Common name* : Brown Hawk-Owl (642) Kal Pencha (Bengali).

*Distribution* : South 24 Pgs. (Sunderban), Birbhum (Chandrapur) and Jalpaiguri (Khuntimari).

243. *Athene brama* (Temminck)

*Common name* : Spotted Owllet (652) Kutura pencha (Bengali).

*Distribution* : North 24 Pgs. (Kalikapur, Saltlake), South 24 Pgs. (Patharpratima, Sagar Island, Namkhana, Raidighi, Canning), Birbhum (Chandrapur), Darjiling (Mahananda), Jalpaiguri (BTR, Jaldapara, Gorumara) and Nadia (Bethuadahari).

244. *Strix leptogrammica* Temminck

*Common name* : Brown Wood-Owl (658).

*Distribution* : Darjiling (Mungpoo, Takdah, Mahananda).

245. *Strix aluco* Linnaeus\*

*Common name* : Tawny Wood-Owl (662).

*Distribution* : Darjiling (Mahananda, Neora valley).

246. *Asio flammeus* (Pontoppidan)

*Common name* : Short-eared Owl (664).

*Distribution* : Hugli (Singur).

Order CAPRIMULGIFORMES

Family CAPRIMULGIDAE

247. *Caprimulgus indicus* Latham

*Common name* : Indian Jungle Nightjar (671).

*Distribution* : Birbhum, Bankura and Darjiling (Mahananda).

248. *Caprimulgus macrurus* Tickell

*Common name* : Large-tailed Nightjar (675).

*Distribution* : North 24 Pgs. (Budge Budge), South 24 Pgs. (Sunderban, Narendrapur), Darjiling (Mahananda), Jalpaiguri (BTR, Gorumara), Maldah and Nadia (Bethuadahai).

249. ***Caprimulgus asiaticus*** Latham

*Common name* : Common Indian Nightjar (680).

*Distribution* : South 24 Pgs. (Sunderban, Narendrapur), Barddhaman, Darjiling (Mahananda) and Jalpaiguri (Jaldapara).

250. ***Caprimulgus affinis*** Horsfield

*Common name* : Franklin's Nightjar (682).

*Distribution* : South 24 Pgs. (Sunderban) and Bankura (Ranibandh).

Order APODIFORMES

Family APODIDAE

Subfamily APODINAE

251. ***Collocalia unicolor*** (Jerdon)

*Common name* : Indian Edible-nest Swiftlet (685).

*Distribution* : Darjiling.

252. ***Apus pacificus*** (Blyth)

*Common name* : Pacific Swiftlet (700).

*Distribution* : South 24 Pgs. (Sunderban), Kolkata (Metiabruz) and Darjiling (Mahananda).

253. ***Apus affinis*** (J.E.Gray)

*Common name* : House Swift (703).

*Distribution* : North 24 Pgs. (Saltlake), South 24 Pgs. (Sunderban, Narendrapur), Kolkata (Lindsey Street), Darjiling (Mahananda) and Jalpaiguri (BTR, Gorumara).

254. ***Cypsiurus balasiensis*** (J.E.Gray)

*Common name* : Asian Palm Swift (707) Bathasi (Bengali).

*Distribution* : North 24 Pgs. (Saltlake), South 24 Pgs. (Sunderban, Narendrapur), Kolkata and Jalpaiguri (BTR, Gorumara).

Subfamily HEMIPROCNINAE

255. ***Hemiprocne coronata*** (Tickell)

*Common name* : -crested Tree-Swift (709).

*Distribution* : South 24 Pgs. (Sunderban) and Barddhaman (Durgapur Damodar Valley).

Order CORACIIFORMES

Family ALCEDINIDAE

256. ***Ceryle rudis*** Linnaeus

*Common name* : Lesser Pied Kingfisher (719) Phatka machhuranga (Bengali).

*Distribution* : North 24 Pgs. (Nalbani), Kolkata (Patipukur), Jalpaiguri (Jaldapara) and Nadia (Bethuadahari).

257. ***Alcedo hercules*** Laubmann

*Common name* : Blyth's Kingfisher (721).

*Distribution* : Darjiling (Terai).

258. ***Alcedo atthis*** (Linnaeus)

*Common name* : Small Blue Kingfisher (723) Chhota machhranga (Bengali).

*Distribution* : North 24 Pgs. (Babu Bheri, Saltlak, Bara Paresh, Beliaghata, Duttband, Kalikapur, Nalbani), South 24 Pgs. (Canning, Raidighi Sambhunagar, Narendrapur), Barddhaman, Bankura (Susunia Hills), Darjiling (Mahananda) and Jalpaiguri (Gorumara, Jaldapara).

259. ***Halcyon amauroptera*** Pearson

*Common name* : Brown-winged Kingfisher (729) Gurial (Bengali).

*Distribution* : South 24 Pgs. (Baghmara, Sunderban).

260. ***Halcyon capensis*** (Linnaeus)

*Common name* : Stork-billed Kingfisher (730) Gurial (Bengali).

*Distribution* : North 24 Pgs. (Saltlake), South 24 Pgs. (Sunderban, Narendrapur), Haora (Botanical Garden), Jalpaiguri (Kuntimari, Jaldapara) and Nadia (Bethuadahari).

261. ***Halcyon coromanda*** (Latham)

*Common name* : Ruddy Kingfisher (733).

*Distribution* : South 24 Pgs., Darjiling (Mahananda).

262. ***Halcyon smyrnensis fusca*** (Linnaeus)

*Common name* : White-breasted Kingfisher (735) Sandabuk machhranga (Bengali).

*Distribution* : North 24 Pgs. (Parmadan, Saltlake, Beliaghata, Palta water works,

Nalbani, Mitpukur), South 24 Pgs. (Raidighi, Gosaba Dayapur, Narendrapur), Darjiling (Reang, Mahananda), Jalpaiguri (Gorumara, Jaldapara, BTR) and Nadia (Bethuadahari).

263. ***Halcyon pileata*** (Boddaert)

*Common name* : Black-capped Kingfisher (739).

*Distribution* : South 24 Pgs. (Sagar Island, Sajnekhali).

264. ***Todiramphus chloris*** Sharpe

*Common name* : Colored Kingfisher (741).

*Distribution* : South 24 Pgs. (Mechnakhal, Sunderban, Kakdwip).

265. ***Ceyx erithacus*** (Linnaeus)\*

*Common name* : Oriental Dwarf Kingfisher (727).

*Distribution* : Jalpaiguri (Gorumara).

Family MEROPIDAE

266. ***Merops leschenaulti*** Vieillot

*Common name* : Chestnut-headed Bee-eater (744).

*Distribution* : Darjiling (Sipchu Forest Beat, Mahananda) and Jalpaiguri (Jaldapara, Gorumara, BTR).

267. ***Merops philippinus*** Linnaeus

*Common name* : Blue-tailed Bee-eater (748).

*Distribution* : North 24 Pgs. (Bantala, Nalbani), South 24 Pgs. (Sunderban) and Jalpaiguri (BTR, Jaldapara).

268. ***Merops orientalis*** Latham

*Common name* : Small Bee-eater (750) Banaspati (Bengali).

*Distribution* : North 24 Pgs. (Bantala, Saltlake, Duttaband, Kalikapur, Nalbani, Palta water works Parmadan), South 24 Pgs. (Canning, Gosaba, Raidighi, Sambhunagar, Satjela, Nartendrapur), Birbhum (Chandrapur), Darjiling (Gorubathan, Mahananda) and Jalpaiguri (BTR, Gorumara, Jaldapara).

269. ***Nyctyornis athertoni*** (Jardine & Selby)

*Common name* : Blue-bearded Bee-eater (753).

*Distribution* : Darjiling (Gish, Mahananda).

Family CORACIIDAE

270. ***Coracias benghalensis*** (Linnaeus)

*Common name* : Indian Roller (755) Nilkantha (Bengali).

*Distribution* : North 24 Pgs. (Nalbani, Saltlake), South 24 Pgs. (Sunderban, Narendrapur), Darjiling (Mahananda), Jalpaiguri (Jaldapara, Gorumara), Medinipur (Banspahari, Belphari) and Puruliya (Tulin).

271. ***Eurystomus orientalis*** (Linnaeus)\*

*Common name* : Oreintal Broad-billed Roller (758).

*Distribution* : Darjiling (Mahananda) and Jalpaiguri (Gorumara).

Family UPUPIDAE

272. ***Upupa epops*** Linnaeus

*Common name* : Common Hoopoe (763).

*Distribution* : South 24 Pgs. (Bamankhali Beach, Sagar Island, Narendrapur), North 24 Pgs. (Salt Lake), Birbhum (Chandrapur, Suri), Darjiling (Mahananda, Neora valley), Jalpaiguri (Gorumara, Jaldapara, BTR) and Medinipur (Kankrajhar).

Family BUCEROTIDAE

273. ***Ocyeros birostris*** (Scopoli)

*Common name* : Indian Grey Hornbill (767).

*Distribution* : Darjiling (Mahananda) and Puruliya (Ayodhya Hills).

274. ***Anthracerus albirostris*** (Shaw)

*Common name* : Oriental Pied Hornbill (774).

*Distribution* : Darjiling (Sukna) and Jalpaiguri (Khuntimari, BTR, Jaldapara).

275. ***Anthracerus coronatus*** (Boddaert)\*

*Common name* : Malabar Pied Hornbill (775).

*Distribution* : Jalpaiguri (Gorumara).

276. ***Aceros ripalensis*** (Hodgson)\*

*Common name* : Rufous-necked Hornbill (771).

*Distribution* : Darjiling (Mahananda) and Jalpaiguri (Gorumara).

**277. *Buceros bicornis* Linnaeus\***

*Common name* : Great Pied Hornbill (776).

*Distribution* : Darjiling (Mahananda) and Jalpaiguri (Gorumara, Jaldapara).

Order PICIFORMES

Family CAPITONIDAE

**278. *Magalaima zeylanica* (Gmelin)**

*Common name* : Brown-headed Barbet (780)  
Bada basanta (Bengali).

*Distribution* : North 24 Pgs. (Parmadan), South 24 Pgs. (Sunderban, Narendrapur), Darjiling (Mahananda), Haora (Botanical Garden) and Nadia (Bethuadahari).

**279. *Megalaima lineata* (Vieillot)**

*Common name* : Lineated Barbet (784).

*Distribution* : South 24 Pgs. (Narendrapur), Darjiling (Mahananda) and Jalpaiguri (Chunabati, Gorumara, Jaldapara).

**280. *Megalaima virens* (Boddaert)\***

*Common name* : Great Barbet (777).

*Distribution* : Darjiling (Mahanadi, Neora valley) and Jalpaiguri (Gorumara).

**281. *Megalaima franklinii* (Blyth)**

*Common name* : Golden-throated Barbet (787).

*Distribution* : Darjiling (Darjiling, Mahanadi, Neora valley).

**282. *Megalaima asiatica* (Latham)**

*Common name* : Blue-throated Barbet (788)  
Bada basantha bauri (Bengali).

*Distribution* : South 24 Pgs. (Raidighi, Narendrapur, Sunderban), North 24 Pgs. (Saltlake), Darjiling (Gorubathan, Mahanadi), Jalpaiguri (Jaldapara, BTR, Gorumara) and Nadia (Bethuadahari).

**283. *Megalaima heamacephala* (P.S. Muller)**

*Common name* : Coppersmith Barbet (792)  
Chhota basantha bauri (Bengali).

*Distribution* : North 24 Pgs. (Bantala, Saltlake, Hediathat, Kalikapur), South 24 Pgs.

(Canning, Raidighi, Narendrapur), Bardhaman (Arrah), Darjiling (Mahananda), Jalpaiguri (BTR, Jaldapara), Medinipur (Malabati camp) and Nadia (Bethuadahari).

Family INDICATORIDAE

**284. *Indicator xanthonotus* Blyth**

*Common name* : Yellow-rumped Honeyguide (794).

*Distribution* : Darjiling (Darjiling).

Family PICIDAE

**285. *Jynx torquilla* Linnaeus**

*Common name* : European Wryneck (796-97).

*Distribution* : North 24 Pgs. (Saltlake), Bankura (Susunia Hills), Medinipur (Belpahari), Nadia (Bethuadahari), Birbhum (Chandrapur Mollarpur) and Darjiling (Mahananda).

**286. *Celeus brachyurus* Vieillot**

*Common name* : Rufous Woodpecker (803).

*Distribution* : South 24 Pgs. (Sunderban), Darjiling (Mahananda), Haora (Botanical Garden) and Jalpaiguri (BTR, Gorumara).

**287. *Dendrocopos darjelenis* (Blyth)\***

*Common name* : Darjiling Pied Woodpecker (838, 839).

*Distribution* : Darjiling (Selimbong, Neora valley).

**288. *Picus xanthopygaeus* (J.E. Gray & G.R. Gray)**

*Common name* : Little Scaly-bellied Green Woodpecker (808).

*Distribution* : South 24 Pgs. (Narendrapur) and Haora.

**289. *Picus canus* Gmelin\***

*Common name* : Black-necked Green Woodpecker (810).

*Distribution* : Darjiling (Mahananda) and Jalpaiguri (Jaldapara).

**290. *Picus flavinucha* Gould**

*Common name* : Large Yellow-naped Woodpecker (813).

*Distribution* : Darjiling (Shunabhati, Kumani, Samsing, Mahanandi) and Jalpaiguri (BTR, Gorumara).

291. ***Picus chlorolopus*** Vieillot

*Common name* : Small Yellow-naped Woodpecker (815).

*Distribution* : South 24 Pgs. (Sunderban), Darjiling (Mahananda) and Jalpaiguri (Khuntimari, Jaldapara).

292. ***Dinopium benghalense*** (Linnaeus)

*Common name* : Lesser Golden-backed Woodpecker (819).

*Distribution* : North 24 Pgs. (Kalikapur, Saltlake), South 24 Pgs. (Sunderban, Narendrapur), Birbhum (Chandrapura), Darjiling (Mahananda), Jalpaiguri (Ambari, Baikunthapur Forest, Chilapatha) and Nadia (Bethuadahari).

293. ***Dinopium javanese*** (Ljungh)\*

*Common name* : Common Golden-backed threetoed Woodpecker (826).

*Distribution* : Darjiling (Neora valley).

294. ***Dendrocopos cathpharius*** (Blyth)

*Common name* : Crimson-breasted Pied Woodpecker (840).

*Distribution* : Darjiling (Neora valley).

295. ***Dendrocopos macei*** (Vieillot)

*Common name* : Fulvous-breasted Pied Woodpecker (845).

*Distribution* : North 24 Pgs. (Saltlak) and South 24 Pgs. (Sunderban, Narendrapur).

296. ***Dendrocopos mahrattensis***  
(Latham)

*Common name* : Yellow-fronted Pied Woodpecker (847).

*Distribution* : North 24 Pgs. (Saltlake), South 24 Pgs. (Sunderban), Bankura (Baripad dam, Ranibandh), Birbhum (Chandrapur) and Darjiling (Mahananda).

297. ***Dendrocopos canicapillus*** (Blyth)

*Common name* : Grey-capped Pygmy Woodpecker (849).

*Distribution* : Darjiling (Gish River).

298. ***Dendrocopos nanus*** (Vigors)

*Common name* : Brown-capped Pygmy Woodpecker (851).

*Distribution* : South 24 Pgs. (Sunderban, Narendrapur) and Medinipur.

299. ***Hemicircus canente*** (Lesson)

*Common name* : Heart-spotted Woodpecker (856).

*Distribution* : North 24 Pgs., Bardhaman, Bankura, Hugli and Medinipur.

300. ***Chrysocolaptes lucidus*** (Scopoli)

*Common name* : Greater Golden-backed Woodpecker (861).

*Distribution* : South 24 Pgs. (Narendrapur) and Darjiling (Gorubathan).

301. ***Picumnus innminatus*** Burton\*

*Common name* : Speckled Piculet.

*Distribution* : Darjiling (Mahananda) and Jalpaiguri (Gorumara, Jaldapara).

Order PASSERIFORMES

Family EURYLAIMIDAE

302. ***Psarisomus dalhousiae*** (Jameson)

*Common name* : Long-tailed Broadbill (865).

*Distribution* : Darjiling (Chunabhati, Mahananda) and Jalpaiguri (Gorumara).

303. ***Serilopus lunatus*** (Gould)\*

*Common name* : Hogson's Broadbill (864).

*Distribution* : Darjiling (Mahananda) and Jalpaiguri (Gorumara).

Family PITTIDAE

304. ***Pitta brachyura*** (Linnaeus)

*Common name* : Indian Pitta (867) Shumcha (Bengali).

*Distribution* : Darjiling and Jalpaiguri (Jaldapara).

305. ***Pitta soridica*** (P.S. Muller)\*

*Common name* : Hooded Pitta (869)

*Distribution* : Darjiling (Mahananda) and Jalpaiguri (Gorumara).

306. ***Pitta nipalensis*** (Hodgson)\*  
*Common name* : Blue-napped Pitta (866).  
*Distribution* : Darjiling (Mahananda) and Jalpaiguri (Gorumara).  
 Family ALAUDIDAE
307. ***Mirafra cantillans*** Blyth  
*Common name* : Singing Bush-Lark (872).  
*Distribution* : Bankura (Susunia Hills).
308. ***Mirafra assamica*** Horsfield  
*Common name* : Bengal Bush-Lark (873) Bhiriri (Bengali).  
*Distribution* : North 24 Pgs. (Nalbani), Bankura (Susunia Hills) and Jalpaiguri (BTR, Gorumara).
309. ***Mirafra erythroptera*** Blyth  
*Common name* : Red-winged Bush-Lark (877).  
*Distribution* : Birbhum (Mollarpur, Suri) and Jalpaiguri (Jaldpara).
310. ***Eremopterix grisea*** (Scopoli)  
*Common name* : Ashy-crowned Sparrow-Lark (878) Dhula chata (Bengali).  
*Distribution* : Bankura (Susunia Hills) and Medinipur (Jhargram, Belphari).
311. ***Ammomanes phoenicurus*** (Franklin)  
*Common name* : Rufous-tailed Finch-Lark (882).  
*Distribution* : Bankura (Susunia Hills).
312. ***Calandrella brachydactyla*** (Leisier)  
*Common name* : Greater Short-toed Lark (886).  
*Distribution* : Barddhaman and Darjiling (Mahananda).
313. ***Calandrella raytal*** (Blyth)  
*Common name* : Indian Short-toed Lark (891).  
*Distribution* : Barddhaman.
314. ***Calandrella acutirostris*** Hume\*  
*Common name* : Hume's Short-toed Lark (887).  
*Distribution* : Darjiling (Mahananda).
315. ***Calandrella rufescens*** (Vieillot)\*  
*Common name* : Lesser short-toed Lark.  
*Distribution* : Darjiling (Mahananda) and Jalpaiguri (BTR).
316. ***Galerida cristata*** (Linnaeus)  
*Common name* : Common Crested Lark (899).  
*Distribution* : North 24 Pgs. (Deganga, Mitpukur, Nalbani).
317. ***Alauda gulgula*** Franklin  
*Common name* : Eastern Skylark (907) Jhunti bharat (Bengali).  
*Distribution* : North 24 Pgs. (Saltlake), Barddhaman, Birbhum and Medinipur.
- Family HIRUNDINIDAE
318. ***Riparia diluta*** (Sharpe & Wyatt)  
*Common name* : Pale Martin (910).  
*Distribution* : North 24 Pgs. (Duttabad, North Saltlake) and South 24 Pgs. (Sunderban).
319. ***Riparia paludicola*** (J.E. Gray)  
*Common name* : Plain Martin (912).  
*Distribution* : South 24 Pgs. (Sunderban), Jalpaiguri (Gorumara) and Nadia (Boira).
320. ***Hirundo daurica*** Linnaeus\*  
*Common name* : Red-rumped Swallow (921).  
*Distribution* : North 24 Pgs. (Nalbani, Saltlake), Darjiling (Selimbong, Mahananda), Jalpaiguri (BTR, Gorumara) and Maldah.
321. ***Hirundo concolor*** Sykes  
*Common name* : Dusky Crag-Martin (914).  
*Distribution* : Barddhaman.
322. ***Hirundo rustica*** Linnaeus  
*Common name* : Common Swallow (916-918) Ababil (Bengali).  
*Distribution* : South 24 Pgs. (Gosaba, Narendrapur), North 24 Pgs. (Bantala, Opp. Bengal chemical, Babu bheri, Duttabad, Nalbani, Saltlake), Darjiling (Kurseong, Mahananda), Jalpaiguri (Gorumara, BTR).

323. *Hirundo smithii* Leach

*Common name* : Wire-tailed Swallow (921).

*Distribution* : Barddhaman and Jalpaiguri (Gorumara).

324. *Hirundo rupestris* Scopoli

*Common name* : Eurasian Crag Martin (913).

*Distribution* : Darjiling (Mahananda).

325. *Hirundo fluvicola* Blyth

*Common name* : Streak-throated Swallow (922).

*Distribution* : Barddhaman.

Family LANIIDAE

326. *Lanius vittatus* Valenciennes

*Common name* : Bay-backed Shrike (940).

*Distribution* : Barddhaman, Bankura, Birbhum and Darjiling (Mahananda).

327. *Lanius tephronotus* (Vigors)

*Common name* : Grey-backed Shrike (945).

*Distribution* : Darjiling (Mahananda) and Jalpaiguri (Gish river).

328. *Lanius schach* Linnaeus

*Common name* : Rufous-backed Shrike (948).

*Distribution* : North 24 Pgs. (Duttabad, Saltlake, Kalikapur, Nalbani), South 24 Pgs. (Sunderban, Narendrapur), Darjiling (Mahananda) and Jalpaiguri (Gorumara).

329. *Lanius cristatus* Linnaeus

*Common name* : Brown Shrike (949) Karkata (Bengali).

*Distribution* : North 24 Pgs. (Bantala, Saltlake, Duttabad, Mahisbathan, Nalbani), South 24 Pgs. (Raidighi, Sunderban, Narendrapur), Barddhaman (Arrah), Birbhum (Mollarpur), Bankura (Susunia Hills), Darjiling (Kumani, Mahananda) and Jalpaiguri (Jaldapara, Gorumara).

330. *Lanius isabellinus* Hemprich & Ehreberg\*

*Common name* : Rufous-tailed Shrike (943).

*Distribution* : Jalpaiguri (Gorumara).

Order ORIOLIDAE

331. *Oriolus oriolus* Linnaeus

*Common name* : Eurasian Golden Oriole (953) Sona bau (Bengali).

*Distribution* : North 24 Pgs. (Parmadan, Saltlake), South 24 Pgs. (Sunderban), Jalpaiguri (Jaldapara), Medinipur (Malabati) and Nadia (Bethuadahari).

332. *Oriolus xanthornus* (Linnaeus)

*Common name* : Black-headed Oriole (958).

*Distribution* : South 24 Pgs. (Raidighi, Narendrapur, Sunderban), North 24 Pgs. (Saltlake, Kaliakpur), Birbhum (Chandarapur, Suri), Bankura (Susunia Hills), Haora (Botanical Garden), Jalpaiguri (Jaldapara, BTR, Gorumara), Medinipur (Banspahari, Malabati) and Nadia (Bethuadahari).

Family DICRURIDAE

333. *Dicrurus adsimilis albirictus* (Hodgson)

*Common name* : Black Drongo (962-963) Finga (Bengali).

*Distribution* : South 24 Pgs. (Bamankhali, Raidighi, Narendrapur, Sunderban), North 24 Pgs. (Nalbani, Saltlake), Bankura (Ranibandh), Darjiling (Chunabhati, Neora valley, Mahananda), Haora (Botanical Garden), Jalpaiguri (Sipchu Beat, Upper Tondla range, Jaldapara, Gorumara), Medinipur (Jashpur, Malabati camp), Nadia (Bethuadahari, Chakdah) and Birbhum (Chandrapur).

334. *Dicrurus leucophaeus* Vieillot

*Common name* : Ashy Drongo (965) Neel Firna (Bengali).

*Distribution* : South 24 Pgs. (Sunderban, Narendrapur), Darjiling (Gorubathan, Neora valley) and Jalpaiguri (Gorumara).

335. *Dicrurus caerulescens* (Linnaeus)

*Common name* : White-bellied Drongo (967).

*Distribution* : Darjiling (Mahananda) and Puruliya (Matha).

**336. *Dicrurus annectans*** (Hodgson)

*Common name* : Crow-billed Drongo (970).

*Distribution* : South 24 Pgs. (Shambhunagar, Narendrapur).

**337. *Dicrurus aeneus*** Vieillot

*Common name* : Bronzed Drongo (971) Chhota bhujanga (Bengali).

*Distribution* : South 24 Pgs. (Sunderban), Darjiling (Mahananda), Jalpaiguri (Khuntimari, BTR) and Nadia (Bethuadahari).

**338. *Dicrurus remifer*** (Temminck)

*Common name* : Lesser Racket-tailed Drongo (972) Chhota bhimraj (Bengali).

*Distribution* : South 24 Pgs. (Sunderban) and Darjiling (Burikhati, Metelli, Mahananda).

**339. *Dicrurus hottentottus*** (Linnaeus)

*Common name* : Spangled Drongo (973) Keshraj (Bengali).

*Distribution* : South 24 Pgs. (Sunderban, Narendrapur), Darjiling (Jarkhol, Gorubathan, Reang, Mahananda), Jalpaiguri (BTR, Jaldapara) and Puruliya (Ajodhya Hills).

**340. *Dicrurus paradiseus*** (Linnaeus)

*Common name* : Greater Racket-tailed Drongo (976).

*Distribution* : South 24 Pgs. (Sunderban), Darjiling (Sukhna) and Jalpaiguri (BTR, Gorumara).

## Family ARTAMIDAE

**341. *Artamus fuscus*** Vieillot

*Common name* : Ashy Woodswallow (982).

*Distribution* : North 24 Pgs. (Kalikapur, Saltlake), South 24 Pgs. (Sunderban, Narendrapur), Birbhum (Chandrapur, Suri), Bankura (Susunia Hills), Darjiling (Mahananda) and Jalpaiguri (BTR, Jaldapara).

## Family STURNIDAE

**342. *Sturnus malabaricus*** (Gmelin)

*Common name* : Grey-headed Starling (987) Desi pawei (Bengali).

*Distribution* : North 24 Pgs. (Bantala, Saltlake, Nalbani), South 24 Pgs. (Sunderban,

Narendrapur), Darjiling (Mahananda), Jalpaiguri (BTR, Jaldapara) and Nadia (Bethuadahari).

**343. *Sturnus pagodarum*** (Gmelin)

*Common name* : Brahminy Starling (994) Harbola (Bengali).

*Distribution* : North 24 Pgs., South 24 Pgs. (Sunderban), Barddhaman, Bankura, Birbhum, Kolkata, Darjiling (Mahananda), Hugli, Haora, Jalpaiguri (Jaldapara) and Murshidabad, Medinipur, Nadia, Puruliya, West Dinajpur.

**344. *Sturnus roseus*** (Linnaeus)

*Common name* : Rosy Starling (996) Lal myna (Bengali).

*Distribution* : Koch Bihar, Darjiling, Jalpaiguri (Jaldapara) and Maldah.

**345. *Sturnus contra*** (Linnaeus)

*Common name* : Asian Pied Starling (1002).

*Distribution* : North 24 Pgs. (Babu bheri, Nalbani, Parmadan), South 24 Pgs. (Sambhunagar, Sunderban, Narendrapur), Kolkata (Kolkata bazar), Darjiling (Mahananda), Jalpaiguri (Bagracote, Chilapatha, Khuntimari, BTR, Gorumara) and Nadia (Krishnagar, Bethuadahari).

**346. *Sturnus vulgaris*** Linnaeus

*Common name* : Common Starling (997).

*Distribution* : North 24 Pgs. (Nalbani), Darjiling (Mahananda) and Jalpaiguri (Gorumara, BTR).

**347. *Acridotheres tristis*** (Linnaeus)

*Common name* : Common Myna (1006) salik (Bengali).

*Distribution* : North 24 Pgs. (Saltlake), South 24 Pgs. (Sambhunagar, Sunderban, Narendrapur), Darjiling (Mahananda), Jalpaiguri (Gorumara, BTR) and Nadia (Bethuadahari).

**348. *Acridotheres ginginianus*** (Latham)

*Common name* : Bank Myna (1008).

*Distribution* : North 24 Pgs. (Saltlake), South 24 Pgs. (Sunderban), Barddhaman, Darjiling (Mahananda) and Jalpaiguri (BTR).



349. *Acridotheres fuscus* (Wagler)

*Common name* : Jungle Myna (1009) Jungli salik (Bengali).

*Distribution* : North 24 Pgs. (Duttaband, Nalbani, Parmadan), South 24 Pgs. (Sunderban, Narendrapur), Darjiling (Mahananda), Jalpaiguri (BTR, Gorumara, Jaldapara) and Nadia (Krishnanagar, Bethuadahari).

350. *Gracula religiosa* Linnaeus

*Common name* : Common Hill-Myna (1015).

*Distribution* : Darjiling (Reang, Jarkhola, Teesta valley, Mahananda) and Jalpaiguri (Khuntimari, Jaldapara, BTR).

Family CORVIDAE

351. *Cissa chinensis* (Boddaert)

*Common name* : Green Magpie (1023) Sirgang (Bengali).

*Distribution* : Darjiling (Gorubathan, Jakdah, Mahananda) and Jalpaiguri (BTR, Gorumara).

352. *Cissa flavirostris* (Blyth)

*Common name* : Yellow-billed Blue Magpie (1026).

*Distribution* : Darjiling (Neora valley).

353. *Urocissa erythrorhyncha* (Boddaert)\*

*Common name* : Red-billed Blue Magpie (1027).

*Distribution* : Darjiling (Mahananda).

354. *Dendrocitta vagabunda* (Latham)

*Common name* : Indian Treepie (1032) Handi chacha (Bengali).

*Distribution* : North 24 Pgs. (Parmadan, Saltlake), South 24 Pgs. (Pathar Pratima Sambhunagar, Sunderban, Narendrapur), Birbhum (Birbhum), Bankura (Susunia Hills, Ranibandh), Kolkata (Indian Museum compound), Darjiling (Mahananda), Haora (Botanical Garden), Hugli (Telinipara), Jalpaiguri (Gorumara, Jaldapara) and Nadia (Chakdah, Bethuadahari).

355. *Dendrocitta frontalis* Horsfield

*Common name* : Black-browed Tree Pie (1035).

*Distribution* : Darjiling.

356. *Dendrocitta formosae* Swinhoe

*Common name* : Grey Treepie (1038, 1039).

*Distribution* : Darjiling (Samsing, Tekdah, Mahananda) and Jalpaiguri (Khumani, Gorumara).

357. *Corvus splendens* Vieillot

*Common name* : House Crow (1049).

*Distribution* : South 24 Pgs., North 24 Pgs. (Kalakapur, Budge Budge, Nalbani), Barddhaman, Bankura, Birbhum, Kolkata (Kolkata, Ballygunge Lake, Indian Museum), Darjiling, Haora, Hugli, Jalpaiguri (BTR, Jaldapara, Gorumara), Murshidabad, Medinipur (Malabati camp), Nadia, Puruliya and Dinajpur.

358. *Corvus macrorhynchos* Wagler

*Common name* : Eastern Jungle Crow (1055) jangli Kowwa (Bengali).

*Distribution* : North 24 Pgs. (Saltlake), South 24 Pgs. (Sunderban, Narendrapur), Koch Bihar, Darjiling (Mahananda, Neora valley) and Jalpaiguri (BTR, Jaldapara, Gorumara), Maldah.

Family CAMPERHAGIDAE

359. *Hemipus picatus* (Sykes)

*Common name* : Pied Flycatcher-Shrike (1064).

*Distribution* : South 24 Pgs., Darjiling (Mahananda), Haora, Hugli and Puruliya.

360. *Tephrodornis pondicerianus* (Gmelin)

*Common name* : Coomon Woodshrike (1070) Chudukka (Bengali).

*Distribution* : South 24 Pgs. (Narendrapur), Birbhum (Chandrapur), Bankura (Ranibandh, Susunia Hills), Darjiling (Mahananda), Jalpaiguri (BTR, Gorumara), Maldah and Puruliya (Quilapal).

361. *Coracina macei* (Lesson)

*Common name* : Large Cuckoo-Shrike (1072).

*Distribution* : South 24 Pgs. (Narendrapur), Bankura (Ranibandh), Darjiling (Chunabati, Mahananda), Jalpaiguri (Chilapata, Jaldapara), Medinipur (Belpahari) and Puruliya (Matha).

362. ***Coracina melaschistos*** (Hodgson)

*Common name* : Black-winged Cuckoo-Shrike (1077) Kabasi (Bengali).

*Distribution* : North 24 Pgs. (Bana Bitan), Koch Bihar, Darjiling (Mahananda), Jalpaiguri (BTR, Gorumara, Jaldapara) and Maldah.

363. ***Coracina melanoptera*** (Strickland)

*Common name* : Black-headed Cuckoo-Shrike (1079).

*Distribution* : North 24 Pgs. (Bana Bitan), South 24 Pgs. (Narendrapur), Bankura (Ranibandh) and Jalpaiguri (Gorumara).

364. ***Pericrocotus flammeus*** (Forster)

*Common name* : Scarlet Minivet (1080) Sayali (Bengali).

*Distribution* : Darjiling (Kumani, Mahananda, Neora valley) and Jalpaiguri (Jaldapara, BTR, Gorumara).

365. ***Pericrocotus brevirostris*** (Vigors)

*Common name* : Short-billed Minivet (1084).

*Distribution* : Darjiling (Ghoombhanjang, Neora valley) and Jalpaiguri (BTR, Gorumara).

366. ***Pericrocotus solaris*** Blyth

*Common name* : Grey-chinned Minivet (1088).

*Distribution* : Darjiling (Mahananda) and Jalpaiguri (BTR).

367. ***Pericrocotus roseus*** (Vieillot)

*Common name* : Rosy Minivet (1089).

*Distribution* : North 24 Pgs., South 24 Pgs., Darjiling (Mahananda) and Jalpaiguri (BTR).

368. ***Pericrocotus cinnamomeus***  
(Linnaeus)

*Common name* : Small Minivet (1092, 1095).

*Distribution* : South 24 Pgs. (Narendrapur), Bankura (Ranibandh), Jalpaiguri (Gorumara) and Nadia (Bethuadahari).

369. ***Pericrocotus ethologus*** Bangs & Phillips\*

*Common name* : Long-tailed Minivet (1085).

*Distribution* : Darjiling (Mahananda) and Jalpaiguri (BTR, Jaldapara).

370. ***Pericrocotus divaricatus*** (Raffles)\*

*Common name* : Ashy Minivet (1089a).

*Distribution* : Jalpaiguri (BTR).

Family IRENIDAE

371. ***Aegithina tiphia*** (Linnaeus)

*Common name* : Common Iora (1098) Fatik-Jal (Bengali).

*Distribution* : North 24 Pgs., South 24 Pgs. (Sunderban, Narendrapur), Barddhaman, Birbhum, Kolkata (Kolkata), Darjiling (Mahananda), Haora (Botanical Garden), Jalpaiguri (Kharibari, Gorumara, Jaldapara, BTR), Nadia (Chakdah, Bethuadahari), Medinipur (Bansphari) and Puruliya.

372. ***Chloropsis aurifrons*** (Temminck)

*Common name* : Gold-fronted Chloropsis (1103) Harewa (Bengali).

*Distribution* : North 24 Pgs. (Saltlake), South 24 Pgs. (Sunderban), Darjiling (Mahananda) and Nadia (Bethuadahari).

373. ***Chloropsis hardwickii*** Jardine & Selby

*Common name* : Orange-bellied Chloropsis (1106).

*Distribution* : Darjiling (Darjiling) and Jalpaiguri (Jaldapara).

374. ***Chloropsis cochinchinensis*** (Gmelin)

*Common name* : Jerdon's Chloropsis (1107).

*Distribution* : South 24 Pgs. (Narendrapur), Bankura (Susunia Hills), Darjiling (Mahananda), Jalpaiguri (Jaldapara), Medinipur (Banspahari Kanaisoli) and Puruliya (Matha).

Family PYCNONOTIDAE

375. ***Pycnonotus melanicterus*** (Gmelin)

*Common name* : Black-crested Bulbul (1115).

*Distribution* : Darjiling (Tarkhola, Kalimpong, Mahananda, Neora valley) and

Jalpaiguri (Burrakhola, Bengal Duars, BTR, Gorumara, Jaldapara).

376. *Pycnonotus jocosus* (Linnaeus)

*Common name* : Red-whiskered Bulbul (1121, 1121a) Sipahi bulbul (Bengali).

*Distribution* : North 24 Pgs. (Bethuadahari), South 24 Pgs. (Sunderban, Narendrapur), Kolkata (Kolkata), Darjiling (Terai, Mahananda, Chunabhati), Jalpaiguri (Between Sevok and Bagrakot, BTR, Jaldapara) and West Dinajpur.

377. *Pycnonotus leucogenys* (Gray)

*Common name* : Himalayan Bulbul (1125).

*Distribution* : Koch Bihar, Darjiling (Darjiling, Takdah, Terai, Mahananda) and Jalpaiguri (Jaldapara).

378. *Pycnonotus cafer* (Linnaeus)

*Common name* : Red-vented Bulbul (1128, 1131) Kala Bulbul (Bengali).

*Distribution* : North 24 Pgs. (Saltlake, Bantala, Duttabad, Hediarihat, Garia, Nalbani), South 24 Pgs. (Sunderban, Narendrapur, Raidighi), Darjiling (Mahananda), Jalpaiguri (BTR, Jaldapara), Nadia (Bethuadahari), Puruliya (Manoharpur Forest Guest house), Birbhum (Mollarapur), Bankura (Ranibandh, Susunia Hills), Kolkata (Kolkata), Darjiling (Darjiling, Tumtong Khola, Teesta Valley, Takdah, Mahananda), Hugli (Ambari, Baikunthapur Forest, Chilapata, Khuntimari), Haora (Botanical Garden), Jalpaiguri (Gorumara) and Puruliya (Matha).

379. *Pycnonotus striatus striatus*  
(Blyth)

*Common name* : Straited Bulbul (1133).

*Distribution* : Darjiling (Darjiling, Neora valley).

380. *Criniger flaveolus* (Gould)

*Common name* : White-throated Bulbul (1140).

*Distribution* : Darjiling (Darjiling, Reang, Jarkhola, Mahananda) and Jalpaiguri (BTR, Gorumara).

381. *Hypsipetes leucocephalus* (P.L.S. Muller)

*Common name* : Black Bulbul (1148).

*Distribution* : Darjiling (Takdah, Mahananda, Neora valley) and Jalpaiguri (Gorumara, Jaldapara).

382. *Hypsipetes mcclellandi* (Horsfield)\*

*Common name* : Rufous-bellied Bulbul (1146).

*Distribution* : Darjiling (Mahananda).

Family MUSCICAPIDAE

Subfamily TIMALIINAE

383. *Pelloneum ruficeps* Swainson

*Common name* : Spotted Barbler (1153).

*Distribution* : Darjiling (Neora valley).

384. *Pomatorhinus schisticeps* Hodgson

*Common name* : Hodgson's Scimitar-Babbler (1169) Pabdoa (Bengali).

*Distribution* : Darjiling.

385. *Pomatorhinus erythrogegens* Vigors

*Common name* : Rusty-cheeked Scimitar Babbler (1183).

*Distribution* : Darjiling (Neora valley) and Jalpaiguri (BTR).

386. *Malacocincla abbotti* Blyth

*Common name* : Abbott's Babbler.

*Distribution* : Darjiling.

387. *Pomatorhinus ferruginosus* Blyth

*Common name* : Coral-billed Scimitar-Babbler (1186).

*Distribution* : Darjiling.

388. *Pomatorhinus horsfieldii* Sykes\*

*Common name* : Indian Scimitar-Babbler (1173).

*Distribution* : Darjiling (Mahananda).

389. *Spelaeornis caudatus* (Blyth)

*Common name* : Rufous-throated Wren-Babbler (1200).

*Distribution* : Darjiling.

390. ***Stachyris ruficeps*** Blyth  
*Common name* : Rufous-capped Babbler (1210).  
*Distribution* : Darjiling (Selimbong) and Jalpaiguri (Jaldapara).
391. ***Dumetia hyperythra*** (Franklin)  
*Common name* : Rufous-bellied Babbler (1222).  
*Distribution* : South 24 Pgs., Bankura, Birbhum, Darjiling (Mahananda) and Puruliya.
392. ***Macronous gularis*** (Horsfield)  
*Common name* : Yellow-breasted Babbler (1228).  
*Distribution* : Jalpaiguri, Maldah and Puruliya.
393. ***Chrysomma sinense*** (Gmelin)  
*Common name* : Yellow-eyed Babbler (1231).  
*Distribution* : Bankura (Susunia Hills, Ranibandh), Jalpaiguri (Gorumara) and Medinipur (Jhargram).
394. ***Turdoides caudatus*** (Dumont)  
*Common name* : Common Babbler (1254).  
*Distribution* : North 24 Pgs. (Nalbani), South 24 Pgs. (Sunderban), Darjiling (Mahananda) and Nadia (Bethuadahari).
395. ***Turdoides earlei*** (Blyth)  
*Common name* : Striated Babbler (1256) Dora chhatore (Bengali).  
*Distribution* : South 24 Pgs. (Sunderban), Kolkata (Vicinity of Kolkata) and Jalpaiguri (BTR, Gorumara, Jaldapara).
396. ***Turdoides striatus*** (Dumont)  
*Common name* : Bengal Jungle Babbler (1265) Chatarhia (Bengali).  
*Distribution* : North 24 Pgs. (Bana Bitan), South 24 Pgs. (Narendrapur), Birbhum (Chandrapur), Darjiling (Khuntimari, Mahananda), Jalpaiguri (BTR, Gorumara) and Puruliya (Matha).
397. ***Garrulax albougularis*** (Gould)  
*Common name* : White-throated Laughingthrush (1274).  
*Distribution* : Darjiling (Metalli, Palmajua Selimbong, Mahananda, Neora valley) and Maldah (Maldah).
398. ***Garrulax pectoralis*** (Gould)  
*Common name* : Greater Necklaced Laughingthrush (1278) Bada penga (Bengali).  
*Distribution* : Darjiling (Juranti, Samsing Tarkhola, Mahananda).
399. ***Garrulax striatus*** Vigors  
*Common name* : Striated Laughingthrush (1281).  
*Distribution* : Darjiling (Selimbong, Takdah, Mahananda, Neora valley) and Jalpaiguri (Gorumara).
400. ***Garrulax leucolophus*** (Hardwicke)  
*Common name* : White-crested Laughingthrush (1283).  
*Distribution* : Darjiling (Mahananda) and Jalpaiguri (Dalamthan, BTR).
401. ***Garrulax ocellatus*** (Vigors)  
*Common name* : Spotted Laughingthrush (1299).  
*Distribution* : Darjiling (Sandakphu, Neora valley).
402. ***Garrulax caerulatus*** (Hodgson)  
*Common name* : Grey-sided Laughingthrush (1300).  
*Distribution* : Darjiling (Darjiling).
403. ***Garrulax rufficollis*** (Jardine & Selby)  
*Common name* : Rufous-necked Laughingthrush (1303).  
*Distribution* : Darjiling (Takdah, Mahananda) and Jalpaiguri (BTR, Gorumara).
404. ***Garrulax erythrocephalus*** (Vigors)  
*Common name* : Red-head Laughingthrush (1326).  
*Distribution* : Darjiling (Selimbong).
405. ***Leiothrix argentauris*** (Hodgson)  
*Common name* : Silver-eared Leiothrix (1333).  
*Distribution* : Darjiling (Sipchu, Jaldhaka).

406. **Leiothrix lutea** (Scopoli)  
*Common name* : Red-billed Leiothrix (1336, 1337).  
*Distribution* : Darjiling (Selimbong).
407. **Pterurthius flaviscapis** (Temminck)  
*Common name* : Red-winged Shrike-Babbler (1341).  
*Distribution* : Darjiling (Barch Hill, Palmajua).
408. **Gamporhynchus rufulus** Blyth  
*Common name* : White-hooded Shrike-Babbler (1347).  
*Distribution* : Darjiling.
409. **Actinodura nipalensis** (Hodgson)  
*Common name* : Hoary-throated Barwing (1352, 1353).  
*Distribution* : Darjiling (Tonglo, Neora valley, Palmajua, Selimbong).
410. **Actinodura egertoni**\*  
*Common name* : Rusty-fronted Barwing (1348).  
*Distribution* : Jalpaiguri (BTR).
411. **Minla strigula** (Hodgson)  
*Common name* : Bar-throated Minla (1359).  
*Distribution* : Darjiling (Selimbong, Sandakphu, Palmajua, Mahananda, Neora valley).
412. **Minla cyanouroptera** (Hodgson)  
*Common name* : Blue-winged Minla (1362).  
*Distribution* : Darjiling (Takdah).
413. **Minla ignotincta** Hodgson\*  
*Common name* : Red-tailed Minla (1357).  
*Distribution* : Jalpaiguri (BTR).
414. **Yuhina bakeri** Rothschild  
*Common name* : White-naped Yuhina (1366).  
*Distribution* : Darjiling (Tonglu, Neora valley).
415. **Yuhina flavicollis** Hodgson  
*Common name* : Yellow-napped Yuhina (1368, 1369).  
*Distribution* : Darjiling (Palmajua, Selimbong, Mahananda, Neora valley) and Jalpaiguri (BTR).
416. **Alcippe chrysotis** (Blyth)  
*Common name* : Golden-breasted Tit-Babbler (1376).  
*Distribution* : Darjiling (Mason).
417. **Alcippe castaneiceps** (Hodgson)  
*Common name* : Rufous-winged Tit-Babbler (1379).  
*Distribution* : Darjiling (Selimbong, Mahananda).
418. **Alcippe nipalensis** Hodgson\*  
*Common name* : Nepal Tit-Babbler (1392).  
*Distribution* : Darjiling (Mahananda).
419. **Alcippe vinipectus** (Hodgson)  
*Common name* : White-browed Tit-Babbler (1381, 1382).  
*Distribution* : Darjiling (Selimbong, Sandakphu, Tonglu, Neora valley).
420. **Heterophasia capistrata** (Vigors)  
*Common name* : Rufous Sibia (1396, 1398).  
*Distribution* : Darjiling (Palmajua, Mahananda, Neora valley, Selimbong) and Jalpaiguri (BTR, Jaldapara).
421. **Heterophasia picaoides** (Hodgson)\*  
*Common name* : Long-tailed Sibia (1401).  
*Distribution* : Darjiling (Mahananda) and Jalpaiguri (BTR).
422. **Pnoepyga albiventer** (Hodgson)\*  
*Common name* : Greater Scaly-breasted Wren-Babbler (1198).  
*Distribution* : Darjiling (Sandakphu, Neora valley) and Jalpaiguri (BTR).
- Subfamily MUSCICAPINAE
423. **Muscicapa dauurica** Raffles  
*Common name* : Asian Brown Flycatcher (1407).  
*Distribution* : Barddhaman and Jalpaiguri (Jaldapara, Gorumara).

424. ***Muscicapa muttui*** (Layard)  
*Common name* : Brown-breasted Flycatcher (1408).  
*Distribution* : Barddhaman.
425. ***Muscicapa ruficauda*** Swainson  
*Common name* : Rusty-tailed Flycatcher (1409).  
*Distribution* : Barddhaman.
426. ***Ficedula parva*** Bechstein  
*Common name* : Red-throated Flycatcher (1411).  
*Distribution* : South 24 Pgs. (Raidighi, Canning), North 24 Pgs. (Saltlake), Birbhum (Chandrapur, Suri), Bankura (Susunia Hills), Barddhaman, Kolkata, Koch Bihar, Darjiling (Peshoke), Haora, Hugli, Jalpaiguri, Maldah, Medinipur, Murshidabad, Nadia, Puruliya and West Dinajpur.
427. ***Ficedula westermanni*** (Sharpe)  
*Common name* : Little Pied Flycatcher (1419).  
*Distribution* : Darjiling (Peshok) and Jalpaiguri (BTR).
428. ***Ficedula superciliaris*** (Jerdon)  
*Common name* : Ultramarine Flycatcher (1421).  
*Distribution* : Barddhaman and Darjiling (Neora valley).
429. ***Ficedula sapphira*** (Blyth)  
*Common name* : Sapphire Flycatcher (1426).  
*Distribution* : Darjiling (Palmajua).
430. ***Niltava grandis*** (Blyth)  
*Common name* : Large Niltava (1428).  
*Distribution* : Darjiling (Takdah, Neora valley).
431. ***Niltava sundara*** (Hodgson)  
*Common name* : Rufous-bellied Niltava (1432).  
*Distribution* : Darjiling (Mahananda, Neora valley) and Jalpaiguri (Kumari, BTR, Jaldapara).
432. ***Cyornis pallipes*** Jerdon  
*Common name* : White-bellied Blue-Flycatcher (1435).  
*Distribution* : Bankura (Ranibandh).
433. ***Cyornis unicolor*** (Blyth)  
*Common name* : Pale Blue Flycatcher (1439).  
*Distribution* : Darjiling (Darjiling, Mahananda).
434. ***Cyornis rubeculoides*** (Vigors)  
*Common name* : Blue-throated Flycatcher (1440).  
*Distribution* : Darjiling (Mahananda) and Jalpaiguri (Khuntimari, BTR).
435. ***Cyornis tickelliae*** Blyth  
*Common name* : Tickell's Blue Flycatcher (1442).  
*Distribution* : Barddhaman, Darjiling (Mahananda) and Jalpaiguri (Jaldapara).
436. ***Eumyias thalassina*** (Swainson)  
*Common name* : Verditer Flycatcher (1445) Nil-Katkatia (Bengali).  
*Distribution* : North 24 Pgs. (Parmadan), South 24 Pgs. (Sunderban, Narendrapur), Darjiling (Mahananda, Neora valley) and Jalpaiguri (BTR, Jaldapara).
437. ***Culicacapa ceyloensis*** (Swainson)  
*Common name* : Grey-headed Flycatcher (1449) Zard-phutki (Bengali).  
*Distribution* : South 24 Pgs. (Narendrapur), Darjiling (Palmajua) and Jalpaiguri (BTR).
438. ***Rhipidura hypoxantha*** Blyth  
*Common name* : Yellow-bellied Fantail Flycatcher (1450).  
*Distribution* : Darjiling (Neora valley) and Jalpaiguri (Gorumara).
439. ***Rhipidura aureola*** Lesson  
*Common name* : White-browed Fantail-Flycatcher (1451).  
*Distribution* : Barddhaman.

440. *Rhipidura albicollis* (Vieillot)

*Common name* : White-throated Fantail-flycatcher (1455).

*Distribution* : South 24 Pgs. (Sunderban, Narendrapur), Barddhaman, Darjiling (Neora valley), Jalpaiguri (Gorumara, Jaldapara) and Nadia (Bethuadahari).

## Subfamily MONARCHINAE

441. *Terpsiphone paradisi* (Linnaeus)

*Common name* : Asian Paradise-Flycatcher (1461).

*Distribution* : South 24 Pgs. (Sunderban, Narendrapur), Jalpaiguri (BTR, Jaldapara, Gorumara), Medinipur and Nadia (Bethuadahari).

442. *Hypothymis azurea* (Boddaert)

*Common name* : Black-naped Monarch-Flycatcher (1465).

*Distribution* : North 24 Pgs., South 24 Pgs., Birbhum, Barddhaman, Bankura, Kolkata, Darjiling, Hugli, Haora, Jalpaiguri, Maldah, Medinipur, Murshidabad, Nadia, Puruliya and West Dinajpur.

443. *Pachycephala grisola* (Blyth)

*Common name* : Mangrove Whistler (1470).

*Distribution* : South 24 Pgs. (Sunderban), Koch Bihar, Haora (Botanical Garden) and Maldah.

444. *Bradypterus thoracicus* (Blyth)

*Common name* : Spotted Bush-Warbler (1490).

*Distribution* : North 24 Pgs. (Nalbani), South 24 Pgs. (Sunderban) and Jalpaiguri (BTR, Jaldapara, Gorumara).

445. *Bradypterus luteoventris* (Hodgson)\*

*Common name* : Brown Bush-Warbler (1493).

*Distribution* : Jalpaiguri (Gorumara).

446. *Cisticola exilis* (Vigors & Horsfield)

*Common name* : Golden-headed Fantail-Warbler (1496).

*Distribution* : North 24 Pgs. (Babu bheri, Saltlake, Nalbani), Haora (Botanical Garden)

Birbhum (Sura) and Jalpaiguri (Gorumara, Jaldapara).

447. *Cisticola juncidis* (Rafinesque)

*Common name* : Streaked Fantail-Warbler (1498).

*Distribution* : North 24 Pgs. (Babu bheri, Saltlake) and South 24 Pgs. (Sunderban).

448. *Prinia hodgsonii* Blyth

*Common name* : Franklin's Prinia (1503).

*Distribution* : North 24 Pgs. and South 24 Pgs., Medinipur.

449. *Prinia inornata* Sykes

*Common name* : Plain Prinia (1511, 1512).

*Distribution* : North 24 Pgs. (Duttabad, Salt lake, Mahisbathan, Nalbani), South 24 Pgs. (Sunderban), Jalpaiguri (Gorumara), Birbhum (Chandrapur) and Bankura (Susunia Hills).

450. *Prinia sylvatica gangetica* (Blyth)

*Common name* : Jungle Prinia (1519).

*Distribution* : Jalpaiguri (BTR, Jaldapara, Gorumara).

451. *Prinia socialis* Sykes

*Common name* : Ashy Prinia (1517).

*Distribution* : South 24 Pgs. (Narendrapur), Barddhaman, Koch Bihar and Jalpaiguri (BTR, Jaldapara, Gorumara).

452. *Prinia refescens* Blyth\*

*Common name* : Beavan's Prinia (1501).

*Distribution* : Darjiling (Mahananda).

453. *Prinia criniger* Hodgson\*

*Common name* : Brown Prinia (1527).

*Distribution* : Darjiling (Mahananda).

454. *Prinia flaviventris* (Delessert)

*Common name* : Yellow-bellied Prinia (1525).

*Distribution* : North 24 Pgs. (Duttabad), South 24 Pgs. (Sunderban) and Jalpaiguri (BTR).

455. *Prinia gracilis* (Lichtenstein)\*

*Common name* : Graceful Prinia (1509).

*Distribution* : Jalpaiguri (Jaldapara).

**456. *Orthrotomus sutorius*** (Pennant)

*Common name* : Common Tailorbird (1536)  
Tuntuni (Bengali).

*Distribution* : North 24 Pgs. (Bantala, Saltlake, Kalikapur, Nalbani), South 24 Pgs. (Sunderban, Narendrapur), Birbhum (Chandrapur, Suri), Darjiling (Mahananda), Hugli (Chinsura Rice Research Center, Telinipara, near Chandan-nagore), Jalpaiguri (BTR, Jaldapara, Gorumara), Medinipur (Jhargram) and Nadia (Bethuadahari).

**457. *Orthrotomus alogularis*** Temminck\*

*Common name* : Black-necked Tailorbird (1540).

*Distribution* : Jalpaiguri (Gorumara).

**458. *Orthrotomus cucullatus coronatus*\***

*Common name* : Mountain Tailorbird (1541).

*Distribution* : Darjiling (Mahanda).

**459. *Locustella certhiola*** Pallas

*Common name* : Rusty-rumped Grasshopper Warbler (1543).

*Distribution* : North 24 Pgs. (Nalbani) and South 24 Pgs. (Sunderban).

**460. *Chaetornis striatus*** (Jerdon)

*Common name* : Bristled Grass-Warbler (1547).

*Distribution* : Bardhaman.

**461. *Megalurus palustris*** Horsfield

*Common name* : Striated Marsh-Warbler (1548).

*Distribution* : North 24 Pgs. (Dattabad, Saltlake, Hediathat, Garia, Nalbani), South 24 Pgs. (Sunderban) and Bankura.

**462. *Acrocephalus aedon*** (Pallas)

*Common name* : Thick-billed Warbler (1549).

*Distribution* : North 24 Pgs. (Nalbani) and Bankura (Susunia Hills).

**463. *Acrocephalus stentoreus*** (Hemprich & Ehrenbrg)

*Common name* : Indian Great Reed-Warbler (1550).

*Distribution* : North 24 Pgs. (Babu bheri, Saltlake, Parmadan, Bantala, Dattabad, Nalbani) and South 24 Pgs. (Raidighi, Sunderban, Narendrapur).

**464. *Acrocephalus orientalis*** (Temminck & Schlegel)

*Common name* : Oriental Great Reed-Warbler (1554).

*Distribution* : North 24 Pgs. (Babu bheri, Bantala, Dattabad, Nalbani) and South 24 Pgs. (Sunderban).

**465. *Acrocephalus bistrigiceps*** Swinhoe

*Common name* : Black-browed Reed-Warbler (1555).

*Distribution* : North 24 Pgs. (Nalbani, Bantala).

**466. *Acrocephalus dumetorum*** Blyth

*Common name* : Blyth's Reed-Warbler (1556).

*Distribution* : North 24 Pgs. (Babu bheri, Bantala, Duttabad, Nalbani, Kalikapur, Mahishbathan), South 24 Pgs. (Raidighi), Birbhum (Chandrapur), Bankura (Ranibandh, Susunia) and Haora (Bally Stn.).

**467. *Acrocephalus agricola*** (Jerdon)

*Common name* : Paddyfield Warbler (1557).

*Distribution* : North 24 Pgs. (Babu bheri, Duttabad, Nalbani) and South 24 Pgs. (Sunderban).

**468. *Hippolais caligata*** (Lichtenstein)

*Common name* : Booted Warbler (1562).

*Distribution* : Bardhaman.

**469. *Phylloscopus collybita*** (Vieillot)

*Common name* : Common Chiffchaf (1575).

*Distribution* : North 24 Pgs. (Duttabad, Nalbani).

**470. *Phylloscopus affinis*** (Tickell)

*Common name* : Tickell's Warbler (1579).

*Distribution* : Birbhum (Chandrapur).

**471. *Phylloscopus subaffinis*** Oglivie-Grant

*Common name* : Buff-throated Warbler (1580).

*Distribution* : Darjiling (Palmajua).



472. *Phylloscopus griseolus* Blyth  
Common name : Olivaceous Leaf Warbler (1581).  
Distribution : Bankura (Ranibandh).
473. *Phylloscopus fuscatus* (Blyth)  
Common name : Dusky Warbler (1586).  
Distribution : North 24 Pgs. (Babu bheri, Bantala, Duttabad, Nalbani, Kalikapur), South 24 Pgs. (Raidighi), Birbhum (Chandrapur) and Bankura (Ranibandh).
474. *Phylloscopus humei* (Brooks)  
Common name : Hume's Warbler (1590-91).  
Distribution : North 24 Pgs. (Mahisbathan, Saltlake).
475. *Phylloscopus inornatus* (Blyth)  
Common name : Yellow-browed Warbler (1592).  
Distribution : Darjiling (Peshoke).
476. *Phylloscopus magnirostris* Blyth  
Common name : Large-billed Leaf Warbler (1601).  
Distribution : South 24 Pgs. (Sunderban), Barddhaman and Darjiling (Mahananda).
477. *Phylloscopus trochiloides* Blyth  
Common name : Greenish Leaf-Warbler (1602).  
Distribution : South 24 Pgs. (Sunderban, Narendrapur), Birbhum (Chandrapur), Darjiling (Neora valley), Jalpaiguri (Jaldapara, BTR), Bankura (Susunia) and Kolkata.
478. *Phylloscopus cantator* (Tickell)\*  
Common name : Black-browed Leaf Warbler (1612).  
Distribution : Jalpaiguri (Jaldapara).
479. *Phylloscopus fulgiventis* (Hodgson)\*  
Common name : Smoky Warbler (1582).  
Distribution : South 24 Pgs. (Sunderban, Narendrapur) and Jalpaiguri (BTR).
480. *Phylloscopus fuscatus* (Blyth)\*  
Common name : Dusky Warbler (1586).  
Distribution : South 24 Pgs. (Sunderban) and Darjiling (Mahananda).
481. *Phylloscopus occipitalis* (Blyth)  
Common name : Western Crowned Warbler (1606).  
Distribution : Barddhaman.
482. *Phylloscopus reguloides* (Blyth)  
Common name : Blyth's Leaf-Warbler (1609).  
Distribution : Barddhaman and Darjiling (Mahananda).
483. *Phylloscopus maculipennis* (Blyth)\*  
Common name : Grey-faced Leaf Warbler (1599).  
Distribution : Darjiling (Mahananda).
484. *Seicercus affinis* (Hodgson)  
Common name : White-spectacled Flycatcher-Warbler (1613).  
Distribution : Darjiling (Neora valley).
485. *Seicercus burkii* (Burton)  
Common name : Gold-spectacled Flycatcher-Warbler (1615).  
Distribution : Barddhaman.
486. *Seicercus poliogenys* (Blyth)  
Common name : Grey-cheeked Flycatcher-Warbler (1620).  
Distribution : Darjiling (Neora valley).
487. *Seicercus castaniceps* (Blyth)  
Common name : Chestnut-crowned Flycatcher-Warbler (1621).  
Distribution : Darjiling (Mahananda, Neora valley).
488. *Tickelia hodgsoni* (Moore)  
Common name : Broad-billed Flycatcher-Warbler (1627).  
Distribution : Darjiling.
489. *Abroscopus superciliaris* (Blyth)\*  
Common name : Yellow-bellied Flycatcher-Warbler (1622).  
Distribution : Darjiling (Mahananda).

## Subfamily TURDINAE

490. *Brachyteryx leucophrys*  
(Temminck)*Common name* : Lesser Shortwing (1639).*Distribution* : Jalpaiguri.491. *Brachyteryx montana* Horsfield\**Common name* : White-browed Shortwing (1640).*Distribution* : Darjiling (Neora valley).492. *Luscinia calliope* (Pallas)*Common name* : Siberian Rubythroat (1653)  
Gunpigora (Bengali).*Distribution* : North 24 Pgs. (Bantala, Duttabad, Nalbani), South 24 Pgs. (Raidighi, Sunderban), Birbhum (Chandrapur, Jorabeat), Bankura (Susunia) and Darjiling (Mahananda).493. *Luscinia svecica* (Linnaeus)*Common name* : Bluethroat (1644)  
Gurpeorah (Bengali).*Distribution* : North 24 Pgs. (Babu bheri, Nalbani), Birbhum (Chandrapur) and Jalpaiguri (BTR).494. *Luscinia pectoralis* (Gould)*Common name* : Himalayan Rubythroat (1648).*Distribution* : South 24 Pgs., Darjiling (Mahananda) and Jalpaiguri (BTR).495. *Tarsiger cyanurus* (Pallas)*Common name* : Orange-flanked Bush-Robin (1655).*Distribution* : Darjiling (Selimbong, Mahananda, Neora valley).496. *Tarsiger indicus* (Vieillot)*Common name* : White-browed Bush-Robin (1659).*Distribution* : Darjiling (Phalut, Mahananda, Neora valley).497. *Tarsiger chrysaeus* (Hodgson)\**Common name* : Golden Bush-Robin (1658).*Distribution* : Darjiling (Sandakphu, Mahananda).498. *Copsychus saularis* (Linnaeus)*Common name* : Oriental Magpie-Robin (1661).*Distribution* : North 24 Pgs. (Nalbani, Duttabad, Bantala, Parmadan,), South 24 Pgs. (Raidighi, Canning), Birbhum (Chandrapur), Darjiling (Gorubathan, Mahananda), Jalpaiguri (BTR, Gorumara), Nadia (Bethuadahari) and Puruliya (Quilipal).499. *Copsychus malabaricus* (Scopoli)\**Common name* : White-rumped Shama (1665).*Distribution* : Jalpaiguri (BTR, Gorumara).500. *Phoenicurus ochruros* (S. G.  
Gmelin)*Common name* : Black Redstart (1672) Lal-girdi (Bengali).*Distribution* : Barddhaman, Darjiling (Mahananda) and Jalpaiguri (BTR, Jaldapara).501. *Phoenicurus hodgsoni* (Moore)*Common name* : Hodgson's Redstart (1674).*Distribution* : Darjiling (Palmajua, Mahananda).502. *Phoenicurus frontalis* (Vigors)*Common name* : Blue-fronted Redstart (1675).*Distribution* : Darjiling (Selimbong Tonglu, Sandakphu, Mahananda).503. *Phoenicurus schisticeps* (Gray)*Common name* : White-throated Redstart (1676).*Distribution* : Darjiling (Sandakphu, Mahananda, Neora valley).504. *Phoenicurus caeruleocephalus*  
(Vigors)\**Common name* : Blue-capped Redstart (1670).*Distribution* : Darjiling (Tonglu, Sandakphu).505. *Cinclidium frontale* Blyth*Common name* : Blue-fronted Robin (1682).*Distribution* : Darjiling.

506. *Myiomela leucura* (Hodgson)\*  
*Common name* : White-tailed Robin (1681).  
*Distribution* : Darjiling (Mahananda).
507. *Saxicola torquata* (Linnaeus)  
*Common name* : Common Stonechat (1697).  
*Distribution* : North 24 Pgs. (Babu bheri), South 24 Pgs. (Sunderban), Darjiling (Mahananda, Neora valley) and Jalpaiguri (BTR, Jaldapara).
508. *Saxicola ferrea* G.R.Gray  
*Common name* : Grey Bushchat (1705).  
*Distribution* : Darjiling (Selimbong, Palmajua, Mahananda) and Jalpaiguri (Chilapatha, Sipchu forest beat, Gorumara).
509. *Chaimarrornis leucocephalus* (Vigors)  
*Common name* : White-capped Redstart (1716).  
*Distribution* : Darjiling (Neora valley) and Jalpaiguri.
510. *Saxicoloides fulicata* (Linnaeus)  
*Common name* : Indian Robin (1720) Kalchuri (Bengali).  
*Distribution* : Bankura (Ranibandh, Susunia Hills), Jalpaiguri (Jaldapara) and Medinipur (Joshpur).
511. *Saxicoloides caprata* (Linnaeus)\*  
*Common name* : Pied Bushchat (1701).  
*Distribution* : South 24 Pgs. (Sunderban), Darjiling (Mahananda) and Jalpaiguri (BTR, Gorumara).
512. *Saxicoloides jerdoni* (Blyth)\*  
*Common name* : Jerdon's Bushchat (1704).  
*Distribution* : Jalpaiguri (Gorumara).
513. *Monticola cinclorhyncus* (Vigors)  
*Common name* : Blue-headed Rock Thrush (1723).  
*Distribution* : Barddhaman and Darjiling (Mahananda).
514. *Monticola rufiventris* (Jardine & Selby)  
*Common name* : Chestnut-bellied Rock-Thrush (1724).  
*Distribution* : Darjiling (Palmajua, Mahananda, Neora valley).
515. *Monticola solitarius* (Linnaeus)  
*Common name* : Blue Rock-Thrush (1726).  
*Distribution* : Darjiling (Chunabhati) and Jalpaiguri (Kumani, Gorumara).
516. *Myiophonus caeruleus* (Scopoli)  
*Common name* : Blue Whistling-Thrush (1729).  
*Distribution* : Darjiling (Reang, Takdah, Paparkhati, Samsing).
517. *Zoothera citrina* (Latham)  
*Common name* : Orange-headed Thrush (1733).  
*Distribution* : North 24 Pgs. (Saltlake), South 24 Pgs. (Sunderban, Narendrapur), Barddhaman, Darjiling (Mahananda) and Nadia (Bethuadahari).
518. *Zoothera mollissima* (Blyth)  
*Common name* : Plain-backed Thrush (1739).  
*Distribution* : Darjiling (Mahananda).
519. *Zoothera dauma* (Latham)  
*Common name* : Scally Thrush (1741).  
*Distribution* : North 24 Pgs. (Bana Bitan), South 24 Pgs. (Sunderban, Narendrapur), Barddhaman, Darjiling (Mahananda) and Jalpaiguri (BTR).
520. *Zoothera monticola* Vigors  
*Common name* : Greater Long-billed Thrush (1745).  
*Distribution* : Darjiling (Phalut, Mahananda) and Jalpaiguri (BTR).
521. *Turdus unicolor* Tickell  
*Common name* : Tickell's Thrush (1748) Machasah (Bengali).  
*Distribution* : Darjiling and Jalpaiguri.

522. ***Turdus bouboul*** (Latham)  
*Common name* : Grey-winged Blackbird (1750) Pahariya Masaicha (Bengali).  
*Distribution* : Darjiling (Palmajua, Mahananda) and Jalpaiguri (Lalitabari, Chilapatha, Ambari, Jaldapara).
523. ***Turdus merula*** Linnaeus\*  
*Common name* : Eurasian Blackbird (1752).  
*Distribution* : Jalpaiguri (BTR, Jaldapara).
524. ***Turdus albocinctus*** Royle\*  
*Common name* : White-collared Blackbird (1749).  
*Distribution* : Darjiling (Mahananda, Neora valley).
525. ***Turdus ruficollis*** Pallas  
*Common name* : Darck-throated Thrush (1763).  
*Distribution* : Darjiling (Selimbong, Mahananda) and Jalpaiguri (Chilapatha, Sipchu Beat, BTR).
526. ***Turdus naumanni*** Temminck  
*Common name* : Dusky Thrush (1765).  
*Distribution* : Darjiling (Lish, Chunabhati).  
 Family TROGLODYTIDAE
527. ***Troglodytes troglodytes*** (Linnaeus)  
*Common name* : Winter Wren (1771).  
*Distribution* : Darjiling (Phalut, Neora valley).  
 Family PRUNELLIDAE
528. ***Prunella himalyana*** (Blyth)  
*Common name* : Altai Accentor (1780).  
*Distribution* : Darjiling (Darjiling).
529. ***Prunella immaculata*** (Hodgson)  
*Common name* : Maroon-backed Accentor (1788).  
*Distribution* : Darjiling (Phalut).  
 Family PARIDAE  
 Subfamily PARINAE
530. ***Parus major nipalensis*** Hodgson  
*Common name* : Grey Tit (1793).  
*Distribution* : South 24 Pgs. (Sunderban, Narendrapur), Darjiling, Jalpaiguri (Gorumara, Jaldapara) and Nadia (Bethuadahari).
531. ***Parus monticolus monticolus*** Vigors  
*Common name* : Green-backed Tit (1799).  
*Distribution* : Darjiling (Lebong, Ghoom, Darjiling, Takdah, Palmanjua, Selimbong, Lebong, Neora valley) and Jalpaiguri (Gorumara, Jaldapara).
532. ***Parus ater*** Linnaeus  
*Common name* : Coal Tit (1803).  
*Distribution* : Darjiling (Sandakphu, Neora valley).
533. ***Parus rubidiventris*** Blyth  
*Common name* : Rufous-bellied Crested Tit (1806).  
*Distribution* : Darjiling (Sandakphu, Neora valley).
534. ***Parus dichrous*** Hodgson  
*Common name* : Brown Crested Tit (1808).  
*Distribution* : Darjiling (Sandakphu, Neora valley).
535. ***Parus xanthogenys*** Vigors\*  
*Common name* : Black-lored Yellow Tit (1809).  
*Distribution* : Darjiling (Mahananda) and Jalpaiguri (Jaldapara).
536. ***Parus spilonotus*** Bonaparte  
*Common name* : Black-spotted Yellow Tit (1812).  
*Distribution* : Darjiling.
537. ***Sylviparus modestus*** Burton  
*Common name* : Yellow-browed Tit (1814).  
*Distribution* : Darjiling (Palmajua Selimbong, Neora valley).  
 Subfamily AEGITHALINAE
538. ***Aegithalos concinnus*** (Gould)  
*Common name* : Red-headed Tit (1818).  
*Distribution* : Darjiling (Palmajua, Neora valley).

Family SITTIDAE

Subfamily SITTINAE

539. ***Sitta castaenea cinnamoventris***  
Blyth

*Common name* : Chestnut-bellied Nuthatch (1828).

*Distribution* : South 24 Pgs. (Sunderban), Darjiling (Mahananda) and Jalpaiguri (BTR).

540. ***Sitta leucopsis*** (Gould)\*

*Common name* : White-cheeked Nuthatch (1833).

*Distribution* : Darjiling (Mahananda).

541. ***Sitta himalayensis*** Jardine & Selby

*Common name* : White-tailed Nuthatch (1834).

*Distribution* : Darjiling (Takdah, Palmajua, Neora valley).

542. ***Sitta formosa*** Blyth

*Common name* : Beautiful Nuthatch (1839).

*Distribution* : Darjiling (Mahananda) and Jalpaiguri (Jaldapara).

543. ***Sitta frontalis*** Swainson

*Common name* : Velvet-fronted Nuthatch (1838).

*Distribution* : South 24 Pgs. (Sunderban), Darjiling and Jalpaiguri (BTR).

Family CERTHIIDAE

544. ***Certhia discolor*** Blyth

*Common name* : Brown-throated Tree Creeper (1849).

*Distribution* : Darjiling (Palmajua, Neora valley).

Family MOTACILLIDAE

545. ***Anthus hodgsoni*** Richmond

*Common name* : Oriental Tree Pipit (1852).

*Distribution* : North 24 Pgs. (Bana Bitan), South 24 Pgs. (Sunderban, Narendrapur), Birbhum (Chandrapur), Bankura (Ranibandh, Susunia Hills), Darjiling (Sandakphu, Mahananda, Neora valley) and Jalpaiguri (BTR, Gorumara, Jaldapara).

546. ***Anthus trivialis*** (Linnaeus)

*Common name* : Eurasian Tree Pipit (1854).

*Distribution* : South 24 Pgs. (Sunderban), Birbhum (Chandrapur, Suri) and Darjiling (Sandakphu).

547. ***Anthus richardi*** Vieillot

*Common name* : Richard's Pipit (1857).

*Distribution* : North 24 Pgs. (Saltlake), South 24 Pgs. (Sunderban), Bankura (Susunia) and Darjiling (Mahananda).

548. ***Anthus novaeseelandiae rufulus***  
Vieillot

*Common name* : Paddyfield Pipit (1859).

*Distribution* : North 24 Pgs. (Deganga, Saltlake, Mahishbathan, Bantala), South 24 Pgs. (Narendrapur), Bankura (Susunia hills), Jalpaiguri (Jaldapara) and Medinipur (Belpahari Malabati camp).

549. ***Anthus pratensis*** (Linnaeus)\*

*Common name* : Meadow Pipit (1856).

*Distribution* : Darjiling (Mahananda) and Jalpaiguri (Jaldapara).

550. ***Anthus campestris*** (Linnaeus)

*Common name* : Tawny Pipit (1861).

*Distribution* : Barddhaman.

551. ***Anthus roseatus*** (Blyth)

*Common name* : Rosy Pipit (1865).

*Distribution* : Barddhaman and Darjiling (Mahananda).

552. ***Anthus similis*** (Jerdon)

*Common name* : Brown Rock Pipit (1868).

*Distribution* : Barddhaman.

553. ***Dendronanthus indica*** (Gmelin)

*Common name* : Forest Wagtail (1874).

*Distribution* : North 24 Pgs. (Nalbani, Saltlake, Duttabad) and South 24 Pgs. (Sunderban, Narendrapur).

554. ***Motacilla flava*** Linnaeus

*Common name* : Yellow Wagtail (1875).

*Distribution* : North 24 Pgs. (Nalbani, Duttabad, Babu bheri, Palta Water works),

South 24 Pgs. (Sunderban) and Jalpaiguri (BTR, Jaldapara).

555. *Motacilla citreola* Pallas

*Common name* : Citrine Wagtail (1881).

*Distribution* : North 24 Pgs. (Babu bheri, Duttabad, Nalbani, Saltlake), Darjiling (Mahananda) and Jalpaiguri (Gorumara, Jaldapara).

556. *Motacilla cinerea* Tunstall

*Common name* : Grey Wagtail (1884).

*Distribution* : North 24 Pgs. (Duttabad, Saltlake), South 24 Pgs. (Gosaba, Narendrapur), Darjiling (Palmajua, Mahananda) and Jalpaiguri (Gorumara).

557. *Motacilla alba* Linnaeus

*Common name* : White Wagtail (1885-1889).

*Distribution* : North 24 Pgs. (Shambhunagar, Nalbani, Palta water works), South 24 Pgs. (Sunderban, Narendrapur), Darjiling (Mahananda, Tarkhala), Jalpaiguri (Gorumara, Eastern bank of Teesta River between sevok and Bagrakot) and Puruliya (Tulin).

558. *Motacilla maderaspatensis* Gmelin

*Common name* : Large Pied Wagtail (1891).

*Distribution* : South 24 Pgs. (Sunderban), Darjiling (Mongbong, Mahananda) and Jalpaiguri (Jaldapara).

Family DICAEDAE

559. *Dicaeum agile* (Tickell)

*Common name* : Thick-billed Flowerpecker (1892, 1894).

*Distribution* : North 24 Pgs., South 24 Pgs. (Narendrapur), Bankura, Bardhaman, Birbhum, Kolkata, Darjiling (Mahananda), Hugli, Haora, Jalpaiguri (Jaldapara), Medinipur, Murshidabad, Nadia, Puruliya and West Dinajpur.

560. *Dicaeum concolor* (Jerdon)\*

*Common name* : Plain Flowerpecker (1901).

*Distribution* : Koch Bihar, Jalpaiguri (BTR, Gorumara) and Maldah.

561. *Dicaeum ignipectus* (Blyth)\*

*Common name* : Fire-breasted Flowerpecker (1905).

*Distribution* : South 24 Pgs. (Sunderban) and Jalpaiguri (Jaldapara).

562. *Dicaeum cruetatum* (Linnaeus)\*

*Common name* : Scarlet backed flower pecker.

*Distribution* : Jalpaiguri (Gorumara).

563. *Dicaeum erythrorhynchos*  
(Latham)

*Common name* : Tickell's Flowerpecker (1899).

*Distribution* : South 24 Pgs. (Narendrapur), North 24 Pgs. (Saltlake), Birbhum, Bankura, Bardhaman, Kolkata, Darjiling (Mahananda), Haora, Hugli, Jalpaiguri (BTR, Gorumara), Medinipur, Murshidabad, Nadia and Puruliya.

Family NECTARINIIDAE

564. *Nectarinia zeylonica* (Linnaeus)

*Common name* : Indian purplerumped Sunbird/Man choongi (Bengali).

*Distribution* : North 24 Pgs., South 24 Pgs. (Narendrapur), Koch Bihar, Darjiling (Mahananda), Jalpaiguri (Jaldapara), Hugli, Haora, Maldah, Medinipur, (Digha) and Nadia (Bethuadahari).

565. *Nectarinia asiatica* (Latham)

*Common name* : Indian Purple Sunbird (1917).

*Distribution* : North 24 Pgs. (Bana Bitan), South 24 Pgs. (Sunderban, Narendrapur), Darjiling (Mahananda), Jalpaiguri (BTR, Gorumara), Medinipur, Nadia (Bethuadahari) and Puruliya.

566. *Aethopyga nipalensis* (Hodgson)

*Common name* : Green-tailed Sunbird (1923).

*Distribution* : Darjiling (Selimbong, Neora valley).

567. *Aethopyga saturata* (Hodgson)

*Common name* : Black-throated Sunbird (1925).

*Distribution* : Darjiling and Jalpaiguri (BTR, Gorumara).

568. *Aethopyga siparaja* (Raffles)

*Common name* : Indian Crimson Sunbird (1927).

*Distribution* : Darjiling and Jalpaiguri (BTR, Gorumara, Jaldapara).

569. *Aethopyga ignicauda* (Hodgson)

*Common name* : Fire-tailed Sunbird (1930).

*Distribution* : Darjiling (Neora valley, Sandakphu, Selimbong) and Jalpaiguri (Gorumara).

570. *Arachnothera magna* (Hodgson)

*Common name* : Streaked Spiderhunter (1932).

*Distribution* : Darjiling (Khumani).

571. *Aethopyga gouldiae* (Vigors)\*

*Common name* : Mrs. Gould's Sunbird (1919).

*Distribution* : Darjiling (Tonglu, Mahananda, Neora valley) and Jalpaiguri (BTR, Jaldapara, Gorumara).

572. *Arachnothera longirostris* (Latham)\*

*Common name* : Little Spider Hunter (1931).

*Distribution* : South 24 Pgs. (Narendrapur) and Jalpaiguri (Jaldapara).

## Family ZOSTEROPIDAE

573. *Zosterops palpebrosus* (Temminck)

*Common name* : Oriental White-eye (1933).

*Distribution* : South 24 Pgs. (Sunderban, Narendrapur) and Darjiling (Jarkhola, Kalimpong, Mahananda).

## Family PLOCEIDAE

## Subfamily PASSERINAE

574. *Passer domesticus* (Linnaeus)

*Common name* : Indian House Sparrow.

*Distribution* : North 24 Pgs. (Bantala, Mitpukur, Saltlake, Nalbani), South 24 Pgs.

(Sunderban, Narendrapur), Bankura (Susunia Hills), Darjiling (Mahananda), Jalpaiguri (Kumani, BTR, Jaldapara, Gorumara) and Medinipur (Bansphari).

575. *Passer montanus* (Linnaeus)

*Common name* : Eurasian Tree Sparrow (1942).

*Distribution* : Darjiling (Darjiling, Mahananda) and Jalpaiguri (BTR, Gorumara, Jaldapara).

576. *Petronia xanthocollis* (Burton)

*Common name* : Yellow-throated Sparrow (1949).

*Distribution* : North 24 Pgs. (Babu bheri), South 24 Pgs. (Kalikapore) and Bankura (Susunia Hills).

## Subfamily PLOCEINAE

577. *Ploceus philippinus* (Linnaeus)

*Common name* : Indian Baya Weaver (1957) Babui (Bengali).

*Distribution* : North 24 Pgs. (Saltlake, Bantala, Hediarrhat, Duttabad, Nalbani), South 24 Pgs. (Sunderban), Birbhum (Chandrapur, Mollarhat), Darjiling (Mahananda) and Jalpaiguri (BTR, Jaldapara).

578. *Ploceus megarhynchus* Hume

*Common name* : Finn's Weaver (1960).

*Distribution* : South 24 Pgs. (Kalikapore), North 24 Pgs. (Nalbani, Mahishbathan, Duttabad, Saltlake) and Jalpaiguri (BTR).

579. *Ploceus benghalensis* (Linnaeus)

*Common name* : Black-breasted Weaver (1961).

*Distribution* : North 24 Pgs. (Duttabad, Hediarrhat, Babu bheri Bantala, Nalbani, Saltlake), South 24 Pgs. (Sunderban) and Kolkata (Bagmari).

580. *Ploceus manyar* (Horsfield)

*Common name* : Streaked Weaver (1963).

*Distribution* : North 24 Pgs. (Nalban, Duttabad, Salt lake, Krishnapur, Mahishbathan) and South 24 Pgs. (Sunderban).

## Subfamily ESTRILDINAE

581. *Amandava amandava* (Linnaeus)

*Common name* : Red Munia (1964) Lal Munia (Bengali).

*Distribution* : North 24 Pgs. (Nalbani, Duttabad), Darjiling (Mahananda) and Jalpaiguri (Gorumara).

582. *Lonchura malabarica* (Linnaeus)

*Common name* : White-throated Munia (1966) Sar Munia (Bengali).

*Distribution* : South 24 Pgs. (Sunderban) and Bankura (Susunia Hills).

583. *Lonchura punctulata punctulata* (Linnaeus)

*Common name* : Spotted Munia (1974).

*Distribution* : North 24 Pgs. (Nalbani, Duttabad, Saltlake, Babu bheri), South 24 Pgs. (Narendrapur), Bankura (Susunia Hills), Darjiling (Mahananda), Jalpaiguri (BTR, Gorumara) and Medinipur (Chilkigarh).

584. *Lonchura malacca* (Linnaeus)

*Common name* : Black-headed Munia (1976).

*Distribution* : North 24 Pgs. (Duttabad, Nalbani, Saltlake), South 24 Pgs. (Sunderban, Narendrapur).

585. *Lonchura striata* (Linnaeus)\*

*Common name* : White-rumped Munia (1967).

*Distribution* : Jalpaiguri (Gorumara).

## Family FRINGILLIDAE

## Subfamily CARDUELINAE

586. *Mycerobas affinis* (Blyth)

*Common name* : Collared Grosbeak (1983).

*Distribution* : Darjiling (Rungbei).

587. *Leucosticte nemoricola* (Hodgson)

*Common name* : Hodgson's Mountain-Finch (2000) Pahariya Masaicha (Bengali).

*Distribution* : Darjiling (Sandakphu, Neora valley).

588. *Carpodacus erythrinus* (Blyth)

*Common name* : Indian Rosefinch (2016) Lal tuti (Bengali).

*Distribution* : North 24 Pgs. (Nalbani, Duttabad), South 24 Pgs. (Sunderban), Darjiling (Sandakphu, Mahananda) and Jalpaiguri (BTR, Gorumara).

589. *Carpodacus nipalensis* (Hodgson)

*Common name* : Dark-breasted Rosefinch (2015).

*Distribution* : Darjiling (Sandakphu, Palmajua, Selimbong).

590. *Carpodacus rodochrous* (Vigors)

*Common name* : Pink-browed Rosefinch (2017).

*Distribution* : Darjiling (Sandakphu).

591. *Carpodacus rhodopeplus* (Vigors)

*Common name* : Spot-winged Rosefinch (2019).

*Distribution* : Darjiling (Sandakphu).

592. *Carpodacus thura* Bonaparte & Schlegel

*Common name* : White-browed Rosefinch (2021).

*Distribution* : Darjiling (Phalut, Singalila, Sandakphu).

593. *Carpodacus pulcherrimus* (Moore)\*

*Common name* : Beautiful Rosefinch (2023).

*Distribution* : Darjiling (Sandakphu).

594. *Pyrhula erythrocephala* Vigors

*Common name* : Red-headed Bullfinch (2039).

*Distribution* : Darjiling (Sandakphu).

595. *Callacanthus burtoni* (Gould)\*

*Common name* : Spectacled Finch (1997).

*Distribution* : Darjiling (Sandakphu).

596. *Pyrhoptectes epauletta* (Hodgson)

*Common name* : Gold-naped Black Finch (2035).



*Distribution* : Darjiling (Sandakphu, Neora valley).

Family EMBERIZINAE

597. ***Emberiza rutila*** Pallas

*Common name* : Chestnut Bunting (2045).

*Distribution* : Darjiling and Jalpaiguri.

598. ***Emberiza pusilla*** Pallas

*Common name* : Little Bunting (2056).

*Distribution* : Darjiling and Jalpaiguri (BTR).

599. ***Emberiza aureola*** Pallas\*

*Common name* : Yellow-breasted Bunting (2046).

*Distribution* : South 24 Pgs. (Sunderban) and Koch Bihar.

600. ***Melophus lathamii*** (Gray)

*Common name* : Crested Bunting (2060).

*Distribution* : Bardhaman.

Number in ( ) denotes number in the Hand Book of Salim Ali.

\*Included from management plans of different protected Areas of West Bengal (Government of West Bengal)

The following list of birds includes the species mentioned in the publication of Chakraborty and Mukherjee (2004). These species are not included in the main list as there was no mention of distribution of the species in West Bengal.

SL. NO.	SCIENTIFIC NAME	COMMON NAME	FAMILY
01	<i>Pelecanus onocrotalus</i> Linnaeus, 1758	Great White Pelican (20)	Pelecanidae
02	<i>Ardea insignis</i> Hume, 1878	White-bellied Heron (33)	Ardeidae
03	<i>Ciconia ciconia</i> (Linnaeus, 1758)	European White Stork (63)	Ciconiidae
04	<i>Plegadis falcinellus</i> (Linnaeus, 1766)	Glossy Ibis (71)	Threskiornithidae
05	<i>Dendrocygna bicolor</i> (Vieillot, 1816)	Large Whistling-Duck (89)	Anatidae
06	<i>Dendrocygna jauanica</i> (Horsfield, 1821)	Lesser Whistling-Duck (88)	Anatidae
07	<i>Anser erythropus</i> (Linnaeus, 1758)	Lesser White-fronted Goose (80)	Anatidae
08	<i>Anas formosa</i> Georgi, 1775	Baikal Teal (95)	Anatidae
09	<i>Marmaronetta angustirostris</i> (Menetries, 1832)	Marbled Teal (92)	Anatidae
10	<i>Rhodonessa caryophyllacea</i> (Latham, 1790)	Pink-headed Duck (106)	Anatidae
11	<i>Rhodonessa rufina</i> (Pallas, 1773)	Red-crested Pochard (107)	Anatidae
12	<i>Aythya marila</i> (Linnaeus, 1761)	Greater Scaup (112)	Anatidae
13	<i>Mergellus albellus</i> Linnaeus, 1758	Smew (119)	Anatidae
14	<i>Mergus serrator</i> Linnaeus, 1758	Red-breasted Merganser (122)	Anatidae
15	<i>Ichthyophaga humilis</i> (S. Muller & Schlegel, 1841)	Lesser Grey-headed Fish-Eagle (177)	Accipitridae
16	<i>Gypaetus barbatus</i> (Linnaeus, 1758)	Bearded Vulture (188)	Accipitridae
17	<i>Gyps himalayensis</i> Hume, 1869	Himalayan Griffon (181)	Accipitridae
18	<i>Accipiter gentilis</i> (Linnaeus, 1758)	Northern Goshawk (136)	Accipitridae
19	<i>Buteo hemilasius</i> Temminck & Schlegel, 1845	Upland Buzzard (154)	Accipitridae
20	<i>Aquila clanga</i> Pallas, 1811	Greater Spotted Eagle (170)	Accipitridae
21	<i>Microhierax melanoleucos</i> (Blyth, 1843)	Pied Falconet (205)	Falconidae
22	<i>Falco severus</i> Horsfield, 1821	Oriental Hobby (214-215)	Falconidae
23	<i>Falco jugger</i> J.E. Gray, 1834	Laggar (208)	Falconidae
24	<i>Perdica erythrorhyncha</i> (Sykes, 1832)	Painted Bush-Quail (262-263)	Phasianidae
25	<i>Galloperdix spadicea</i> (Gmelin, 1789)	Red Spurfowl (275-277)	Phasianidae
26	<i>Galloperdix lunulata</i> (Valenciennes, 1825)	Painted Spurfowl (278)	Phasianidae

27	<i>Pavo muticus</i> Linnaeus, 1766	Green Peafowl (312)	Phasianidae
28	<i>Turnix sylvatica</i> (Desfontaines, 1789)	Small Buttonquail (313)	Turnicidae
29	<i>Turnix tanki</i> Blyth, 1843	Yellow-legged Buttonquail (314-315)	Turnicidae
30	<i>Turnix suscitator</i> (Gmelin, 1789)	Common Buttonquail (316-319)	Turnicidae
31	<i>Grus antigone</i> (Linnaeus, 1758)	Sarus Crane (323-324)	Gruidae
32	<i>Grus grus</i> (Linnaeus, 1758)	Common Crane (320)	Gruidae
33	<i>Rallus aquaticus</i> Linnaeus, 1758	Water Rail (327-328)	Rallidae
34	<i>Amaurornis akool</i> (Sykes, 1832)	Brown Crake (342)	Rallidae
35	<i>Porzana porzana</i> (Linnaeus, 1766)	Spotted Crake (338)	Rallidae
36	<i>Houbaropsis bengalensis</i> (Gmelin, 1789)	Bengal Florican (356)	Otididae
37	<i>Sypheotides indica</i> (J.F. Miller, 1782)	Lesser Florican (357)	Otididae
38	<i>Haematopus ostralegus</i> Linnaeus, 1758	Eurasian Oystercatcher (360-361)	Haematopodidae
39	<i>Vanellus vanellus</i> (Linnaeus, 1758)	Northern Lapwing (364)	Charadriidae
40	<i>Vanellus gregarius</i> (Pallas, 1771)	Sociable Lapwing (363)	Charadriidae
41	<i>Vanellus leucurus</i> (Lichtenstein, 1823)	White-tailed Lapwing (362)	Charadriidae
42	<i>Gallinago megala</i> Swinhoe, 1861	Swinhoe's Snipe (407)	Scolopacidae
43	<i>Limnodromus semipalmatus</i> (Blyth, 1848)	Asian Dowitcher (403)	Scolopacidae
44	<i>Calidris alba</i> (Pallas, 1764)	Sanderling (414)	Scolopacidae
45	<i>Calidris pygmeus</i> (Linnaeus, 1758)	Spoonbill Sandpiper (423)	Scolopacidae
46	<i>Calidris alpina</i> (Linnaeus, 1758)	Dunlin (420, 421)	Scolopacidae
47	<i>Calidris ferruginea</i> (Pontoppidan, 1813)	Curlew Sandpiper (422)	Scolopacidae
48	<i>Limicola falcinellus</i> (Pontoppidan, 1763)	Broad-billed Sandpiper (424-425)	Scolopacidae
49	<i>Philomachus pugnax</i> (Linnaeus, 1758)	Ruff (426)	Scolopacidae
50	<i>Ibidorhyncha struthersii</i> Vigors, 1832	Ibisbill (433)	Recurvirostridae
51	<i>Recurvirostra avosetta</i> Linnaeus, 1758	Pied Avocet (432)	Recurvirostridae
52	<i>Esacus recurvirostris</i> (Cuvier, 1829)	Great Stone-Plover (437)	Burhinidae
53	<i>Glareola maldivarum</i> J.R. Forster, 1795	Oriental Pratincole (443)	Glareolidae
54	<i>Sterna caspia</i> Pallas, 1770	Caspian Tern (462)	Laridae

55	<i>Rynchops albicollis</i> Swainson, 1838	Indian Skimmer (484)	Rynchopidae
56	<i>Pterocles exustus</i> Temminck, 1825	Chestnut-bellied Sand grouse (487)	Pteroclididae
57	<i>Pterocles indicus</i> (Gmelin, 1789)	Painted Sandgrouse (492)	Pteroclididae
58	<i>Columba punicea</i> Blyth, 1842	Purple Wood-Pigeon (524)	Columbidae
59	<i>Treron curvirostra</i> (Gmelin, 1789)	Thick-billed Green-Pigeon (495)	Columbidae
60	<i>Treron apicauda</i> Blyth, 1846	Pin-tailed Green-Pigeon (493)	Columbidae
61	<i>Loriculus vernalis</i> (Sparrman, 1787)	Indian Hanging-Parrot (566,567)	Psittacidae
62	<i>Psittacula himalayana</i> (Lesson, 1832)	Slaty-headed Parakeet (562)	Psittacidae
63	<i>Hierococcyx sparveroides</i> (Vigors, 1832)	Large Hawk-Cuckoo (572)	Cuculidae
64	<i>Chrysococcyx maculatus</i> (Gmelin, 1788)	Asian Emerald Cuckoo (586)	Cuculidae
65	<i>Chrysococcyx xanthorhynchus</i> (Horsfield, 1821)	Violet Cuckoo (587)	Cuculidae
66	<i>Surniculus lugubris</i> (Horsfield, 1821)	Drongo Cuckoo (588-589)	Cuculidae
67	<i>Tyto capensis</i> (A. Smith 1834)	Grass Owl (608)	Tytonidae
68	<i>Strix ocellata</i> (Lesson, 1839)	Mottled Wood-Owl (955-657)	Strigidae
69	<i>Batrachostomus hodgsoni</i> (G.R. Gray, 1859)	Hodgson's Frogmouth (667)	Podargidae
70	<i>Collocalia brevirostris</i> (Horsfield, 1840)	Himalayan Swiftlet (683-684)	Apodidae
71	<i>Zoonauena sylvatica</i> (Tickell, 1846)	White-romped Needletail-Swift (692)	Apodidae
72	<i>Harpactes erythrocephalus</i> (Gould, 1834)	Red-headed Trogon (713-715)	Trogonidae
73	<i>Alcedo meninting</i> Horsfield, 1821	Blue-eared Kingfisher (725-726a)	Alcedinidae
74	<i>Megaceryle lugubris</i> (Temminck, 1834)	Greater Pied Kingfisher (717-718)	Alcedinidae
75	<i>Coracias benghalensis</i> (Linnaeus, 1758)	Indian Roller (755-757)	Coraciidae
76	<i>Eurystomus orientalis</i> (Linnaeus, 1766)	Oriental Broad-billed Roller (758-762)	Coraciidae
77	<i>Anthracoceros albirostris</i> (Shaw, 1808)	Oriental Pied Hornbill (774)	Bucerotidae
78	<i>Aceros undulatus</i> (Shaw, 1811)	Wreathed Hornbill (772)	Bucerotidae
79	<i>Megalaima australis</i> (Horsfield, 1821)	Blue-eared Barbet (789)	Capitonidae
80	<i>Sasia ochracea</i> . Hodgson, 1836	Rufous Piculet (800-801)	Picidae
81	<i>Dendrocopos hyperythrus</i> (Vigors, 1831)	Rufous-bellied Pied Woodpecker (832-833)	Picidae
82	<i>Dendrocopos major</i> (Linnaeus, 1758)	Great Pied Woodpecker (834)	Picidae
83	<i>Picus squamatus</i> Vigors, 1831	Large Scaly-bellied Green Woodpecker (806-807)	Picidae

84	<i>Dinopium shorii</i> (Vigors, 1832)	Himalayan Golden-backed Woodpecker (824)	Picidae
85	<i>Chrysocolaptes festivus</i> (Boddaert, 1783)	Black-shouldered Woodpecker (858-859)	Picidae
86	<i>Blythipicus pyrrhotis</i> (Hodgson, 1837)	Bay Woodpecker (857)	Picidae
87	<i>Mulleripicus puluerulentus</i> (Temminck, 1826)	Great Slaty Woodpecker (828-829)	Picidae
88	<i>Pitta cyanea</i> Blyth, 1843	Blue Pitta (871)	Pittidae
89	<i>Pitta megarhyncha</i> Schlegel, 1863	Mangrove Pitta (868)	Pittidae
90	<i>Calandrella acutirostris</i> Hume, 1872	Hume's Short-toed Lark (887-888)	Alaudidae
91	<i>Delichon dasypus</i> (Bonaparte, 1850)	Asian House-Martin (931)	Hirundinidae
92	<i>Delichon nipalensis</i> Horsfield & Moore, 1854	Nepal House-Martin (932)	Hirundinidae
93	<i>Anthus godlewskii</i> (Taczanowski, 1876)	Blyth's Pipit (1863)	Motacillidae
94	<i>Anthus cervinus</i> (Pallas, 1811)	Red-throated Pipit (1864)	Motacillidae
95	<i>Anthus rubescens</i> (Tunstall, 1771)	Buff-bellied Pipit (1872)	Motacillidae
96	<i>Anthus sylvanus</i> (Blyth, 1845)	Upland Pipit (1873)	Motacillidae
97	<i>Pencrocotus erythropygius</i> (Jerdon, 1840.)	White-bellied Minivet (10.96)	Campephagidae
98	<i>Pycnonotus luteolus</i> (Lesson, 1841)	White-browed Bulbul (1138-1139)	Pycnonotidae
99	<i>Hemixos flavala</i> (Blyth, 1845)	Brown-eared Bulbul (1147)	Pycnonotidae
100	<i>Aegithina nigrolutea</i> (Marshall, 1876)	Marshall's Iora (110.2)	Irenidae
101	<i>Irena puella</i> (Latham, 1790.)	Asian Fairy-Bluebird (1109, 1110)	Irenidae
102	<i>Lanius meridionalis</i> Temminck, 1820	Southern Grey Shrike (933-935)	Laniidae
103	<i>Prunella collaris</i> (Scopoli, 1769)	Alpine Accentor (1777-1779)	Prunellidae
104	<i>Prunella rubeculoides</i> (Moore, 1854)	Robin Accentor (1781)	Prunellidae
105	<i>Prunella strophciata</i> (Blyth, 1843)	Rufous-breasted Accentor (1782-1783)	Prunellidae
106	<i>Prunella fulvescens</i> (Severtzov, 1873)	Brown Accentor (1784-1785)	Prunellidae
107	<i>Zoothera wardii</i> (Blyth, 1842)	Pied Thrush (1731)	Turdinae
108	<i>Zoothera dixonii</i> (Seebohm, 1881)	Long-tailed Thrush (1740)	Turdinae
109	<i>Zoothera monticola</i> Vigors, 1832	Greater Long-billed Thrush (1745)	Turdinae
110	<i>Turdus dissimilis</i> Blyth, 1847	Black-breasted Thrush (1747)	Turdinae
111	<i>Turdus feae</i> (Salvadori, 1887)	Fea's Thrush (1761)	Turdinae

112	<i>Turdus obscurus</i> Gmelin, 1789	Eyebrowed Thrush (1762)	Turdinae
113	<i>Brachypteryx stellata</i> Gould, 1868	Gould's Shortwing (1635)	Turdinae
114	<i>Brachypteryx hyperythra</i> Jerdon & Blyth, 1861	Rusty-bellied Shortwing (1636)	Turdinae
115	<i>Luscinia brunnea</i> (Hodgson, 1837)	Indian Blue Robin (1650, 1651)	Turdinae
116	<i>Luscinia cyane</i> (Pallas, 1776)	Siberian Blue Robin (1653)	Turdinae
117	<i>Tarsiger hyperythrus</i> (Blyth, 1847)	Rufous-breasted Bush-Robin (1660)	Turdinae
118	<i>Phoenicurus aureus</i> (Pallas, 1776)	Daurian Redstart (1677)	Turdinae
119	<i>Rhyacornis fuliginosus</i> (Vigors, 1831)	Plumbeous Redstart (1679)	Turdinae
120	<i>Myiomela leucura</i> (Hodgson, 1845) '\	White-tailed Robin (1681)	Turdinae
121	<i>Enicurus scouleri</i> Vigors, 1832	Little Forktail (1684)	Turdinae
122	<i>Enicurus immaculatus</i> (Hodgson, 1836)	Black-backed Forktail (1685)	Turdinae
123	<i>Enicurus schistaceus</i> (Hodgson, 1836)	Slaty-backed Forktail (1686)	Turdinae
124	<i>Enicurus leschenaulti</i> (Vieillot, 1818)	Leschenault's Forktail (1687)	Turdinae
125	<i>Enicurus maculatus</i> Vigors, 1831	Spotted Forktail (1688-1689)	Turdinae
126	<i>Cochoa purpurea</i> Hodgson, 1836	Purple Cochoa (1690)	Turdinae
127	<i>Cochoa viridis</i> Hodgson, 1836	Green Cochoa (1691)	Turdinae
128	<i>Saxicola insignis</i> Gray, 1846	Hodgson's Bushchat (1694)	Turdinae
129	<i>Saxicola leucura</i> (Blyth, 1847)	White-tailed Stonechat (1699)	Turdinae
130	<i>Saxicola caprata</i> (Linnaeus, 1766)	Pied Bushchat (1700-1703)	Turdinae
131	<i>Saxicola jerdoni</i> (Blyth, 1867)	Jerdon's Bushchat (1704)	Turdinae
132	<i>Cercomela fusca</i> (Blyth, 1851)	Indian Chat (1692)	Turdinae
133	<i>Garrulax monileger</i> (Hodgson, 1836)	Lesser Necklaced Laughingthrush (1275-1276)	Timaliinae
134	<i>Garrulax rufogularis</i> (Gould, 1835)	Rufous-chinned Laughingthrush (1292-1296)	Timaliinae
135	<i>Garrulax lineatus</i> (Vigors, 1831)	Streaked Laughingthrush (1312-1316)	Timaliinae
136	<i>Garrulax squamatus</i> (Gould, 1835)	Blue-winged Laughingthrush (1319)	Timaliinae
137	<i>Garrulax subunicolor</i> (Blyth, 1843)	Scaly Laughingthrush (1320)	Timaliinae
138	<i>Garrulax affinis</i> Blyth, 1843	Black-faced Laughingthrush (1322-1323)	Timaliinae

139	<i>Liocichla phoenicea</i> (Gould, 1837)	Red-faced Liocichla (1331-1332)	Timaliinae
140	<i>Pomatorhinus ruficollis</i> Hodgson, 1836	Rufous-necked Scimitar-Babbler (1178-1180)	Timaliinae
141	<i>Pomatorhinus ochraceiceps</i> Walden, 1873	Lloyd's Scimitar-Babbler (1189-1190)	Timaliinae
142	<i>Xiphirhynchus superciliaris</i> Blyth, 1842	Slender-billed Scimitar-Babbler (1191-1192)	Timaliinae
143	<i>Rimator malacoptilus</i> Blyth, 1847	Long-billed Wren-Babbler (1193)	Timaliinae
144	<i>Spelaeoris formosus</i> (Walden, 1874)	Spotted Wren-Babbler (1206)	Timaliinae
145	<i>Sphenocichla humei</i> (Mandelli, 1873)	Wedge-billed Wren-Babbler (1207-1208)	Timaliinae
146	<i>Stachyris chrysaea</i> Blyth, 1844	Gold-headed Babbler (1212-1213)	Timaliinae
147	<i>Stachyris nigriceps</i> Blyth, 1844	Grey-throated Babbler (1214-1217)	Timaliinae
148	<i>Timalia pileata</i> Horsfield, 1821	Red-capped Babbler (1229)	Timaliinae
149	<i>Chrysomma altirostre</i> Jerdon, 1862	Jerdon's Babbler (1233-1234)	Timaliinae
150	<i>Turdoides longirostris</i> (Moore, 1854)	Slender-billed Babbler (1257)	Timaliinae
151	<i>Cutia nipalensis</i> Hodgson, 1837	Cutia (1339)	Timaliinae
152	<i>Pteruthius rufiventer</i> Blyth, 1842	Rufous-bellied Shrike-Babbler (1340)	Timaliinae
153	<i>Pteruthius xanthochlorus</i> Gray, 1846	Green Shrike-Babbler (1342-1344)	Timaliinae
154	<i>Pteruthius melanotis</i> Hodgson, 1847	Chestnut-throated Shrike-Babbler (1345)	Timaliinae
155	<i>Alcippe cinerea</i> (Blyth, 1847)	Yellow-throated Tit-Babbler (1378)	Timaliinae
156	<i>Alcippe rufogularis</i> (Mandelli, 1873)	Rufous-throated Tit-Babbler (1386-1387)	Timaliinae
157	<i>Heterophasia annectans</i> (Blyth, 1847)	Rufous-backed Sibia (1395)	Timaliinae
158	<i>Yuhina castaniceps</i> (Moore, 1854)	Striated Yuhina (1363-1365)	Timaliinae
159	<i>Yuhina gularis</i> Hodgson, 1836	Stripe-throated Yuhina (1371-1372)	Timaliinae
160	<i>Yuhina occipitalis</i> Hodgson, 1836	Rufous-vented Yuhina (1373)	Timaliinae
161	<i>Yuhina nigrimenta</i> Hodgson, 1845	Black-chinned Yuhina (1374)	Timaliinae
162	<i>Yuhina zantholeuca</i> (Hodgson, 1844)	White-bellied Yuhina (1375)	Timaliinae
163	<i>Myzornis pyrrhoura</i> Blyth, 1843	Myzornis (1338)	Timaliinae
164	<i>Conostoma oemodium</i> Hodgson, 1841	Great Parrotbill (1236)	Panurinae
165	<i>Paradoxornis unicolor</i> (Hodgson, 1843)	Brown Parrotbill (1237)	Panurinae

166	<i>Paradoxornis gularis</i> Gray, 1845	Grey-headed Parrotbill (1249-1250)	Panurinae
167	<i>Paradoxornis flauirostris</i> Gould, 1836	Black-breasted Parrotbill (1251)	Panurinae
168	<i>Paradoxornis fulvifrons</i> (Hodgson, 1845)	Fulvous-fronted Parrotbill (1238-1239)	Panurinae
169	<i>Paradoxornis nipalensis</i> (Hodgson, 1837)	Black-throated Parrotbill (1239a-1244)	Panurinae
170	<i>Paradoxornis atosuperciliaris</i> (Godwin-Austen, 1877)	Lesser Rufous-headed Parrotbill (1245-1246)	Panurinae
171	<i>Paradoxornis ruficeps</i> Blyth, 1842	Greater Rufous-headed Parrotbill (1247-1248)	Panurinae
172	<i>Regulus regulus</i> (Linnaeus, 1758)	Goldcrest (1628-1631)	Sylviinae
173	<i>Prinia burnesii</i> (Blyth, 1844)	Long-tailed Prinia (1531-1532)	Sylviinae
174	<i>Prinia atrogularis</i> (Moore, 1854)	Black-throated Prinia (1529-1530)	Sylviinae
175	<i>Prinia cinereocapilla</i> (Moore, 1854)	Hodgson's Prinia (1507)	Sylviinae
176	<i>Tesia castaneocoronata</i> (Burton, 1836)	Chestnut-headed Tesia (1473)	Sylviinae
177	<i>Tesia oliuea</i> (McClelland, 1840)	Slaty-bellied Tesia (1472)	Sylviinae
178	<i>Tesia cyaniuenter</i> Hodgson, 1837	Grey-bellied Tesia (1471)	Sylviinae
179	<i>Cettia pallidipes</i> (Blanford, 1872)	Blanford's Bush-Warbler (1474-1475)	Sylviinae
180	<i>Cettia fortipes</i> (Horsfield, 1845)	Brown-flanked Bush-Warbler (1477-1478)	Sylviinae
181	<i>Cettia flauolivacea</i> (Blyth, 1845)	Aberrant Bush-Warbler (1481-1483)	Sylviinae
182	<i>Cettia acanthizoides</i> (Verreaux, 1871)	Yellow-bellied Bush-Warbler (1484)	Sylviinae
183	<i>Cettia brunnifrons</i> (Hodgson, 1845)	Grey-sided Bush-Warbler (1485-1487)	Sylviinae
184	<i>Bradypterus mandelli</i> (Brooks, 1875)	Russet Bush-Warbler (N)	Sylviinae
185	<i>Locustella naevia</i> (Boddaert, 1783)	Pale Grasshopper-Warbler (1545)	Sylviinae
186	<i>Acrocephalus concinens</i> (Swinhoe, 1870)	Blunt-winged Warbler (1559-1560)	Sylviinae
187	<i>Orthotomus cuculatus</i> Temminck, 1836	Mountain Tailorbird (1541)	Sylviinae
188	<i>Phylloscopus pulcher</i> Blyth, 1845	Orange-barred Leaf-Warbler (1587-1589)	Sylviinae
189	<i>Phylloscopus chloronotus</i> (G. R. Gray & J. E. Gray, 1846)	Lemon-romped Warbler (1594-1596)	Sylviinae
190	<i>Phylloscopus coronatus</i> (Temminck & Schlegel, 1847)	Eastern Crowned Warbler (1607)	Sylviinae



191	<i>Seicercus xanthoschistos</i> (G. R. Gray & J. E. Gray, 1846)	Grey-headed Flycatcher-Warbler (1616-1619)	Sylviinae
192	<i>Abroscopus schisticeps</i> (G. E. Gray & J. R. Gray, 1846)	Black-faced Flycatcher-Warbler (1624-1625)	Sylviinae
193	<i>Abroscopus superciliaris</i> (Blyth, 1859)	Yellow-bellied Flycatcher-Warbler (1622-1623)	Sylviinae
194	<i>Graminicola bengalensis</i> Jerdon, 1863	Rufous-rumped Grass-Warbler (1534)	Sylviinae
195	<i>Sylvia curruca</i> (Linnaeus, 1758)	Common Lesser Whitethroat (1567-1568)	Sylviinae
196	<i>Sylvia hortensis</i> (Gmelin, 1789)	Orphean Warbler (1565)	Sylviinae
197	<i>Muscicapa sibirica</i> Gmelin, 1789	Sooty Flycatcher (1405-1406)	Muscicapinae
198	<i>Muscicapa dauurica</i> Pallas, 1811	Asian Brown Flycatcher (1407)	Muscicapinae
199	<i>Muscicapa ferruginea</i> (Hodgson, 1845)	Ferruginous Flycatcher (1410)	Muscicapinae
200	<i>Ficedula hodgsonii</i> (Verreaux, 1871)	Slaty-backed Flycatcher (1418)	Muscicapinae
201	<i>Ficedula strophciata</i> (Hodgson, 1837)	Orange-gorgeted Flycatcher (1414)	Muscicapinae
202	<i>Ficedula monileger</i> (Hodgson, 1845)	White-gorgeted Flycatcher (1415-1416)	Muscicapinae
203	<i>Ficedula hyperythra</i> (Blyth, 1842)	Rufous-breasted Blue Flycatcher (1417)	Muscicapinae
204	<i>Ficedula tricolor</i> (Hodgson, 1845)	Slaty-blue Flycatcher (1423-1425)	Muscicapinae
205	<i>Eumyias thalassina</i> (Swainson, 1838)	Verditer Flycatcher (1445)	Muscicapinae
206	<i>Niltava macgrigoriae</i> (Burton, 1836)	Small Niltava (1429-1430)	Muscicapinae
207	<i>Cyornis banyumas</i> (Horsfield, 1821)	Large-billed Blue-Flycatcher (1441)	Muscicapinae
208	<i>Muscicapella hodgsoni</i> (Moore, 1854)	Pygmy Blue-Flycatcher (1447)	Muscicapinae
209	<i>Aegithalos iouschistos</i> (Blyth, 1844)	Rufous-fronted Tit (1823)	Aegithalidae
210	<i>Cephalopyrus flammiceps</i> (Burton, 1836)	Fire-capped Tit (1815-1816)	Remizidae
211	<i>Melanochlora sultanea</i> (Hodgson, 1837)	Sultan Tit (1789)	Paridae
212	<i>Sitta formosa</i> Blyth, 1843	Beautiful Nuthatch (1837)	Sittidae
213	<i>Tichodroma muraria</i> (Linnaeus, 1766)	Wallcreeper (1839)	Sittidae
214	<i>Certhia familiaris</i> Linnaeus, 1758	Eurasian Tree-Creeper (1842-1844)	Certhiidae
215	<i>Certhia nipalensis</i> Blyth, 1845	Rusty-flanked Tree-Creeper (1851)	Certhiidae
216	<i>Dicaeum chrysorrheum</i> Temminck, 1829	Yellow-vented Flowerpecker (1895)	Dicaeidae
217	<i>Dicaeum melanoxanthum</i> (Blyth, 1843)	Yellow-bellied Flowerpecker (1896)	Dicaeidae

218	<i>Dicaeum trigonostigma</i> (Scopoli, 1786)	Orange-bellied Flowerpecker (1898)	Dicaeidae
219	<i>Anthreptes singalensis</i> (Gmelin, 1789)	Ruby-cheeked Sunbird (1906)	Nectariniidae
220	<i>Nectarinia lotenia</i> (Linnaeus, 1766)	Loten's Sunbird (1911-1912)	Nectariniidae
221	<i>Emberiza fucate</i> Pallas, 1776	Grey-headed Bunting (2055-2055a)	Emberizinae
222	<i>Emberiza aureola</i> Pallas, 1773	Yellow-breasted Bunting (2046)	Emberizinae
223	<i>Emberiza spodocephala</i> Pallas, 1776	Black-faced Bunting (2047)	Emberizinae
224	<i>Carduelis spinoides</i> Vigors, 1831	Yellow-breasted Greenfinch (1990, 1992)	Fringillidae
225	<i>Carduelis thibetana</i> (Hume, 1872)	Tibetan Siskin (1993)	Fringillidae
226	<i>Carpodacus rubescens</i> (Blanford, 1872)	Blanford's Rosefinch (2016)	Fringillidae
227	<i>Carpodacus edwardsii</i> Verreaux, 1871	Dark-rumped Rosefinch (2025)	Fringillidae
228	<i>Propyrrhula subhimachala</i> (Hodgson, 1836)	Crimson-browed Finch (2033)	Fringillidae
229	<i>Haematospiza sipahi</i> (Hodgson, 1836)	Scarlet Finch (2034)	Fringillidae
230	<i>Pyrrhula nipalensis</i> Hodgson, 1836	Brown Bullfinch (2036-2037)	Fringillidae
231	<i>Pyrrhula erythrocephala</i> Vigors, 1832	Red-headed Bullfinch (2039)	Fringillidae
232	<i>Pyrrhula erythaca</i> Blyth, 1862	Beavan's Bullfinch (2038)	Fringillidae
233	<i>Mycerobas melanozanthos</i> Hodgson, 1836	Spotted-winged Grosbeak (1986)	Fringillidae
234	<i>Mycerobas carnipes</i> (Hodgson, 1836)	White-winged Grosbeak (1984-1985)	Fringillidae
235	<i>Amandava amandava</i> (Linnaeus, 1758)	Red Munia (1964)	Estrildidae
236	<i>Lonchura oryzivora</i> (Linnaeus, 1758)	Java Munia (1978a) (Int.)	Estrildidae
237	<i>Passer rutilans</i> Temminck, 1835	Cinnamon Tree Sparrow (1946-1947)	Passerinae
238	<i>Pyrgilauda ruficollis</i> Blanford, 1871	Rufous-necked Snowfinch (1954)	Passerinae
239	<i>Saroglossa spiloptera</i> (Vigors, 1831)	Spot-winged Starling (984)	Sturnidae
240	<i>Oriolus chinensis</i> Linnaeus, 1766	Black-naped Oriole (954, 956-957)	Oriolidae
241	<i>Oriolus tenuirostris</i> Blyth, 1846	Slender-billed Oriole (955)	Oriolidae
242	<i>Oriolus traillii</i> (Vigors, 1832)	Maroon Oriole (961)	Oriolidae
243	<i>Garrulus glandarius</i> (Linnaeus, 1758)	Magpies Eurasian Jay (1020-1021)	Corvidae
244	<i>Nucifraga caryocatactes</i> (Linnaeus, 1758)	Spotted Nutcracker (1042-1044)	Corvidae
245	<i>Pyrrhocorax pyrrhocorax</i> (Linnaeus, 1758)	Red-billed Chough (1046-1047)	Corvidae

**CHORDATA : MAMMALIA**

Phylum CHORDATA  
 Subphylum VERTEBRATA  
 Class MAMMALIA  
 Order SCANDENTIA  
 Family TUPAIDAE

1. **Anathana ellioti pallida** Lyon

*Common Name* : Madras Tree-shrew.

*Distribution* : Puruliya.

2. **Tupaia glis lepcha** Thomas

*Common Name* : Common Tree-shrew.

*Distribution* : Darjiling (Nimbong, Sivok) and Jalpaiguri (Hasimara).

Order INSECTIVORA

Family TALPIDAE

3. **Talpa micrura** Hodgson

*Common Name* : Eastern mole.

*Distribution* : Darjiling (Gopaldhara, Pashok, Selimbong).

Family SORICIDAE

4. **Chimmarogale himalayica** (Gray)

*Common Name* : Himalayan water-shrew.

*Distribution* : Darjiling (Pashok).

5. **Crocidura attenuata rubricosa**

Anderson

*Common Name* : Grey shrew.

*Distribution* : Darjiling (Gopaldhara, Mungpo, Pashok, Takdah) and Jalpaiguri (Hasimara).

6. **Nectogale elegans sikhimensis**

de Winton & Styan

*Common Name* : Szechuan water-shrew.

*Distribution* : Darjiling.

7. **Soriculus caudatus caudatus**

(Horsfield)

*Common Name* : Hodgson's Brown-toothed shrew.

*Distribution* : Darjiling (Mungpo, Sandakphu) and Jalpaiguri.

8. **Soriculus leucops** (Horsfield)

*Common Name* : Indian long-tailed shrew.

*Distribution* : Darjiling.

9. **Soriculus nigrescens** (Gray)

*Common Name* : Sikkim Large-clawed shrew.

*Distribution* : Darjiling (Ghoom, Gopaldhara, Palmajua).

10. **Suncus stoliczkanus stoliczkanus**  
(Anderson)

*Common Name* : Anderson's shrew.

*Distribution* : Bankura (Raniband).

11. **Suncus etruscus nitidofulvus**  
(Anderson)

*Common Name* : Pygmy shrew.

*Distribution* : Haora and Kolkata.

12. **Suncus etruscus pygmaeoides**  
(Anderson)

*Common Name* : Pygmy shrew.

*Distribution* : Darjiling and Jalpaiguri (Bharnabari, Hasimara).

13. **Suncus murinus caeruleus**  
(Shaw)

*Common Name* : House shrew.

*Distribution* : North 24 Pgs. (Barasat, Nalbani), South 24 Pgs. (Kachuberia, Muchisa, Patharpratima Taldi), Bankura (Raniband), Birbhum (Haripur, Rampurhat Chandrapur), Bardhaman (Arrah, Barakar, Durgapur, Katoya), Koch Bihar (Atiamochor, Mathabhanga, Sitalkuchi), Darjiling, Haora (Botanical Garden), Hugli (Singur), Jalpaiguri (Chilapata, Sulkapara), Kolkata, Maldah, Medinipur (Jhargram, Garbeta, Salbani), Murshidabad (Baharampur), Nadia (Madanpur), Puruliya (Matha) and Dinajpur (Raigunj).

14. **Suncus murinus griffithi**  
(Horsfield)

*Common Name* : House shrew.

*Distribution* : Darjiling (Ghoombhanjang, Tonglu).

15. ***Suncus murinus soccatus***  
(Hodgson)

*Common Name* : House shrew.

*Distribution* : Darjiling (Ghoom, Kalimpong, Kurseong, Manibhanjang, Pashok, Pedong, Rangiroom, Sivok, Tarkhola) and Jalpaiguri (Hashimara).

Order    CHIROPTERA  
Suborder   MEGACHIROPTERA  
Family    EMBALLONURIDAE

16. ***Saccolaimus saccolaimus crassus***  
Blyth

*Common Name* : Pouch-bearing bat.

*Distribution* : Barddhaman (Churpurni) and Medinipur (Chandra).

17. ***Taphozous longimanus longimanus***  
Hardwicke

*Common Name* : Long-armed Sheath-tailed bat.

*Distribution* : South 24 Pgs. (Canning, Kakdwip, Thakurpukur), Barddhaman (Churpurni), Darjiling, Kolkata, Medinipur and Nadia (Krishnanagar).

18. ***Taphozous nudiventris kachhensis***  
Dobson

*Common Name* : Naked-bellied Tomb-bat.

*Distribution* : Darjiling (Sevok) and Kolkata.

Family    MEGADERMATIDAE

19. ***Megaderma lyra lyra*** E. Geoffroy

*Common Name* : Indian False Vampire.

*Distribution* : North 24 Pgs. (Barrackpore, Basirhat, Falta, Parmadan, Saltlake), South 24 Pgs. (Bawali), Bankura (Susunia), Birbhum (Near Siuri), Barddhaman (Katoya, Palla Road, Ranigunje), Koch Bihar (Atiamochor, Mathabhanga), Darjiling (Ghyabari, Lopchu, Siliguri, Sukhna), Haora (Birshibpur, Shibpur, Jhapandanga), Hugli (Singur), Jalpaiguri (Chilapata, Khuntimari), Kolkata (Alipur), Maldah (Old Maldah), Medinipur (Near

Jhargram, Garbeta, Salbani), Murshidabad, Nadia (Krishnanagar, Phulia), Puruliya (Ajodhya Hills) and Dinajpur (Kulik).

20. ***Megaderma spasma spasma***  
(Linnaeus)

*Common Name* : Malay False Vampire.

*Distribution* : South 24 Pgs. (Gosaba) and Jalpaiguri.

Family    MOLOSSIDAE

21. ***Tadarida aegyptiaca thomasi***  
Wroughton

*Common Name* : Egyptian free-tailed bat.

*Distribution* : Kolkata.

22. ***Chaerephon plicata plicata***  
(Buchanan)

*Common Name* : Wrinkle-lipped bat.

*Distribution* : Kolkata.

23. ***Tadarida teniotis insignis*** (Blyth)

*Common Name* : European Free-tailed bat.

*Distribution* : Darjiling.

Family    PTEROPODIDAE

24. ***Cynopterus sphinx sphinx*** (Vahl)

*Common Name* : Short-nosed Fruit bat.

*Distribution* : North 24 Pgs. (Basirhat, Hasnabad, Parmadan), South 24 Pgs. (Barisha, Baruipur, Bawali, Budge Budge, Ganeshpur, Muchisa, Srikrishnapur, Thakurpukur), Bankura (Susunia, Ranibandh), Birbhum (Santiniketan, Tumbani), Barddhaman (Arrah, Ranigunge), Koch Bihar (Atiamochar, Sitalkuchi), Darjiling (Chunabhati, Gorubathan, Kumani, Sukna), Haora (Rajchandrapur), Hugli (Jhapandanga, Singur), Jalpaiguri (Ambari, Chilapata, Hasimara, Jalpaiguri Town, Khuntimari, Sulkapara, Jaldapara), Kolkata, Maldah, Medinipur (Amlagora, Balivasa, Chanda, Gidni), Murshidabad (Baharampur, Bhabta, Lalbagh, Na'mile), Nadia (Kaliganj, Madanpur, Muragacha, Nakashipara, Phulia, Plassey, Ramnagar), Puruliya (Ajodhya Hills) and Dinajpur (Barsoi, Hemtabad, Karnajora, Kshetrapur, Kulik).

25. *Macroglossus sobrinus sobrinus*

Andersen

*Common Name* : Greater Long-tongued Fruit bat.

*Distribution* : Koch Bihar (Atiamochor) and Darjiling.

26. *Megaerops niphanae* Yenbutra & Felten

*Common Name* : Niphan's fruit bat.

*Distribution* : Darjiling.

27. *Pteropus giganteus giganteus* (Brünnich)

*Common Name* : Indian flying fox.

*Distribution* : North 24 Pgs. (Barrackpore), South 24 Pgs., Bankura (Jhilimili), Birbhum, Barddhaman (Barakar), Koch Bihar (Sitalkuchi), Darjiling (Siliguri), Hugli (Jhapandanga), Jalpaiguri (Ambari, Hasimara, Sulka para), Kolkata, Maldah, Medinipur, Murshidabad, Nadia (Phulia), Puruliya and Dinajpur (Kulik).

28. *Rousettus leschenaulti leschenaulti* (Desmarest)

*Common Name* : Indian Fulvous Fruit Bat.

*Distribution* : South 24 Pgs. (Baruipur), Bankura (Susunia), Darjiling (Gorubathan, Tarkhola), Hugli (Jhapandanga), Jalpaiguri (Khuntimari, Sulka para) and Medinipur (Jhargram, Garbeta).

29. *Sphaerias blanfordi* (Thomas)

*Common Name* : Blanford's Fruit bat.

*Distribution* : Darjiling (Darjiling, Goomti, Palmajua).

Family RHINOLOPHIDAE

Subfamily RHINOLOPHINAE

30. *Rhinolophus pearsonii* Horsfield

*Common Name* : Pearson's Horse-shoe bat.

*Distribution* : Darjiling (Darjiling, Mahanadi, Pashok).

31. *Rhinolophus trifolius trifolius* Temminck

*Common Name* : Trefoil Horse-shoe bat.

*Distribution* : Darjiling.

32. *Rhinolophus affinis himalayanus*

Andersen

*Common Name* : Intermediate Horse-shoe bat.

*Distribution* : Darjiling (Pashok) and Jalpaiguri.

33. *Rhinolophus lepidus lepidus* Blyth

*Common Name* : Little Indian Horse-shoe bat.

*Distribution* : North 24 Pgs., South 24 Pgs. (Falta), Birbhum, Barddhaman (Chandrapur), Darjiling, Kolkata and Medinipur (Salbani).

34. *Rhinolophus luctus perniger*

Hodgson

*Common Name* : Great Esatern Horse-shoe bat.

*Distribution* : Darjiling (Darjiling, Nimbong).

35. *Rhinolophus pusillus blythi*

Anderson

*Common Name* : Least Horse-shoe bat.

*Distribution* : Darjiling (Darjiling, Nimbong, Pashok, Sangser).

36. *Rhinolophus rouxi rouxi* Temminck

*Common Name* : Rufous Horse-shoe bat.

*Distribution* : Darjiling (Kumani, Nimbong), Kolkata and Puruliya (Ajodhya Hills).

Subfamily HIPPOSIDERINAE

37. *Coelops frithi frithi* Blyth

*Common Name* : Tailless leaf-nosed bat.

*Distribution* : South 24 Pgs. and Darjiling.

38. *Hipposideros armiger armiger*

(Hodgson)

*Common Name* : Great Himalayan leaf-nosed bat.

*Distribution* : Darjiling (Darjiling, Goomti, Gopaldhara, Lopchu, Mahanadi, Nimbong, Pashok, Tongsong).

39. *Hipposideros fulvus fulvus* Gray

*Common Name* : Fulvous leaf-nosed bat.

*Distribution* : Darjiling (Tongsong), Jalpaiguri and Medinipur (Laljal).

40. ***Hipposideros lankadiva*** Kelaart  
*Common Name* : Sri Lanka Gigantic Leaf-nosed bat.

*Distribution* : Darjiling (Darjiling) and Jalpaiguri (Khuntimari).

41. ***Hipposideros pomona gentilis***  
 Andersen

*Common name* : Andersen's leaf-nosed bat.

*Distribution* : Darjiling (Pashok).

Family RHINOPOMATIDAE

42. ***Rhinopoma hardwickei hardwickei***  
 Gray

*Common Name* : Lesser Rat-tailed Bat.

*Distribution* : Kolkata.

43. ***Rhinopoma microphyllum kinneari*** Wroughton

*Common Name* : Larger Rat-tailed Bat.

*Distribution* : Kolkata.

Family VESPERTILIONIDAE

44. ***Harpiocephalus harpia lasyurus***  
 (Hodgson)

*Common Name* : Hairy-winged bat.

*Distribution* : Darjiling (Darjiling, Kurseong) and Jalpaiguri.

45. ***Kerivoula hardwickei depressa***  
 Miller

*Common Name* : Hardwicke's forest bat.

*Distribution* : Darjiling.

46. ***Kerivoula papillosa lenis*** Thomas

*Common Name* : Papillose bat.

*Distribution* : Kolkata.

47. ***Kerivoula picta picta*** Pallas

*Common Name* : Painted bat.

*Distribution* : Darjiling, Jalpaiguri and Kolkata.

48. ***Murina cyclotis cyclotis*** Dobson

*Common Name* : Round-eared Tube-nosed bat.

*Distribution* : Darjiling (Darjiling, Pashok, Takdah).

49. ***Murina huttoni huttoni*** Peters

*Common Name* : Peter's Tube-nosed bat.

*Distribution* : Darjiling.

50. ***Murina leucogaster rubex*** Thomas

*Common Name* : White-bellied Tube-nosed bat.

*Distribution* : Darjiling.

51. ***Murina tubinaris*** (Scully)

*Common Name* : Scully's Tube-nosed bat.

*Distribution* : Darjiling.

52. ***Barbastella leucomelas darjelingensis*** (Hodgson)

*Common Name* : Eastern Barbastelle.

*Distribution* : Darjiling (Darjiling, Nimbong) and Jalpaiguri.

53. ***Eptesicus tatei*** Ellerman & Morrison-Scott

*Common Name* : Serotine.

*Distribution* : Darjiling.

54. ***Hesperoptenus tickelli*** (Blyth)

*Common Name* : Tickell's Bat.

*Distribution* : Jalpaiguri.

55. ***Miniopterus schreibersi fuliginosus***  
 (Hodgson)

*Common name* : Schreiber's bat/long winged bat.

*Distribution* : Kolkata.

56. ***Myotis annectans*** (Dobson)

*Common Name* : Intermediate Bat or Hairy-faced bat.

*Distribution* : Darjiling.

57. ***Myotis formosus formosus***  
 (Hodgson)

*Common Name* : Hodgson's bat.

*Distribution* : Darjiling and Kolkata.

58. ***Myotis mystacinus nipalensis***  
 (Dobson)

*Common Name* : Nepal Bat/Whiskered Bat.

*Distribution* : Darjiling and Jalpaiguri (Hasimara).

59. *Myotis sicarius* Thomas

Distribution : Darjiling.

60. *Myotis siligorensis siligorensis*  
(Horsfield)

Common name : Himalayan whiskered bat, terai bat.

Distribution : Darjiling.

61. *Nyctalus noctula labiatus* (Hodgson)

Common Name : Common noctule.

Distribution : Darjiling (Darjiling, Sangser).

62. *Pipistrellus affinis* (Dobson, 1871)

Common Name : Chocolate Bat.

Distribution : Darjiling.

63. *Pipistrellus babu* Thomas

Common Name : Babu Pipistrelle.

Distribution : Darjiling (near Gorubathan, Sukna, Takdah) and Jalpaiguri.

64. *Pipistrellus cadornae* Thomas

Common Name : Thomas's Pipistrelle.

Distribution : Darjiling.

65. *Pipistrellus ceylonicus indicus*  
(Dobson)

Common Name : Kelaart's Pipistrelle.

Distribution : Kolkata.

66. *Pipistrellus coromandra coromandra* (Gray)

Common Name : Indian Pipistrelle.

Distribution : 24 Pgs. (Bhajna), Darjiling (Darjiling, Gopaldhara, Nimbong, Pashok, Pedong, Gorubathan, Takdah), Jalpaiguri (Haldibari, Hasimara), Kolkata and Medinipur (Salbani).

67. *Pipistrellus dormeri* (Dobson)

Common Name : Dormer's Bat.

Distribution : North 24 Pgs. (Mitpukur, Saltlake), Birbhum (Chandrapur), Barddhaman (Arrah, Katoya), Hugli (Singur, Jhapandanga), Jalpaiguri (Bharnabhari), Kolkata, Maldah (near Pandua) and Medinipur (near Jhargram).

68. *Pipistrellus mimus* Wroughton

Common Name : Indian Pygmy Pipistrelle.

Distribution : North 24 Pgs. (Barrackpore, Hasnabad, Lake town, Salt Lake), South 24 Pgs. (Behala, Taldi, Sajnekhali, Dhakuria, Thakurpukur, Patharpratima), Barddhaman (Arrah, Katoya), Koch Bihar (Sitalkuchi), Darjiling (Kalijhora), Haora, Hugli (Singur, Jhapandanga), Jalpaiguri (Bharnabhari, Haldibari, Hasimara, Khuntimari, Sulkapara), Kolkata, Maldah, Medinipur (near Jhargram, Salbani, Dhadika), Murshidabad (Na' mile, Shibnagar), Nadia (Madanpur), Puruliya (Ajodhya Hills, Kuilapal) and Dinajpur (Kulik).

69. *Pipistrellus peguensis* Sinha

Common Name : Pegu Pipistrelle.

Distribution : Darjiling.

70. *Plecotus auritus homochrous*  
Hodgson

Common Name : Brown long-eared Bat.

Distribution : Darjiling.

71. *Scotoecus pallidus* (Dobson)

Common Name : Yellow Desert Bat.

Distribution : Kolkata.

72. *Scotomanes ornatus ornatus* (Blyth)

Common Name : Harlequin Bat.

Distribution : Darjiling (Darjiling, Pashok, Sivok) and Jalpaiguri.

73. *Scotophilus heathi heathi* (Horsfield)

Common Name : Greater yellow Bat.

Distribution : Kolkata, Barddhaman (Arrah, Katoya), Koch Bihar (Mathabhanga, Sitalkuchi), Jalpaiguri (Bharnabhari, Chilapata, Hasimara), Maldah (Adina Mosque, Gour), Medinipur (near Garbeta), Nadia (Kaliganj) and Dinajpur (near Raiganj).

74. *Scotophilus kuhli kuhli* Leach

Common Name : Asiatic lesser yellow Bat.

Distribution : North 24 Pgs. (Salt Lake), South 24 Pgs. (Barabagan, near Sunderban,

Bawali, Canning, Kalikapur, Sajnekhali), Bankura (Susunia), Birbhum (Santiniketan), Barddhaman (Arrah, Raniganj), Koch Bihar (Sitalkuchi), Darjiling (Pashok), Haora (Shibpur), Hugli (Singur, near Jhapandanga), Jalpaiguri (Hasimara, Khuntimari), Kolkata, Maldah (Adina Mosque), Medinipur (near Garbeta, near Jhargram, salbani), Murshidabad (Shibnagar), Nadia (Madanpur), Puruliya (Ajodhya Hilla), Dinajpur (Raiganj).

75. *Tylonycteris pachypus fulvida*  
(Blyth)

*Common Name* : Club-footed bat.

*Distribution* : Darjiling (Kalimpong, Pashok, Sivok).

Order PRIMATES

Family CERCOPITHECIDAE

76. *Macaca assamensis pelops* Hodgson

Status : Sch.-II

*Common Name* : Assamese macaque.

*Distribution* : Darjiling (Pashok, Sukiapokri, Takdah, Tarkhola) and Jalpaiguri.

77. *Macaca mulatta mulatta*  
(Zimmermann)

Status : Sch.-II

*Common Name* : Rhesus macaque.

*Distribution* : North 24 Pgs., South 24 Pgs. (Sunderban), Bankura, Birbhum, Barddhaman, Koch Bihar, Darjiling (Sepoydhara, Sukhna), Haora, Hugli, Jalpaiguri (Hasimara), Kolkata, Maldah, Medinipur, Murshidabad, Nadia, Puruliya and West Dinajpur.

78. *Semnopithecus entellus entellus*  
(Dufresne)

Status : Sch.-II, App-I

*Common Name* : Hanuman langur.

*Distribution* : Bankura, Birbhum, Haora (Shibpur), Hugli, Kolkata, Medinipur (Medinipur Town), Murshidabad, Nadia (Madanpur) and Puruliya.

Order PHOLIDOTA

Family MANIDAE

79. *Manis crassicaudata* Gray

Status : Sch.-I, App.-II, Vulnerable

*Common Name* : Indian Pangolin.

*Distribution* : South 24 Pgs. (Behala), Birbhum, Koch Bihar, Haora, Hugli, Jalpaiguri, Medinipur, Nadia and Puruliya.

80. *Manis pentadactyla* Linnaeus

Status : Sch.-I, App.-II, Insufficiently known

*Common Name* : Chinese Pangolin.

*Distribution* : Jalpaiguri (Buxa Tiger Reserve).

Order CARNIVORA

Family AILUROPODIDAE

81. *Ailurus fulgens fulgens* Cuvier

Status : Sch.-I, App. II

*Common Name* : Red Panda.

*Distribution* : Darjiling.

Family CANIDAE

82. *Canis aureus indicus* Hodgson

Status : Sch.-II

*Common Name* : Asiatic Jackal.

*Distribution* : North 24 Pgs. (Salt Lake), South 24 Pgs., Bankura, Birbhum, Barddhaman, Koch Bihar, Darjiling (Dkyati, Ghoombhanjang, Pedong), Haora (Shibpur), Hugli, Jalpaiguri, Kolkata, Maldah, Medinipur, Murshidabad, Nadia, Puruliya, West Dinajpur.

83. *Canis lupus pallipes* Sykes

Status : Sch.-I, App.-I Vulnerable

*Common Name* : Wolf.

*Distribution* : Bankura, Birbhum, Barddhaman, Hugli, Maldah, Medinipur and Puruliya.

84. *Cuon alpinus primaevus* (Hodgson)

Status : Sch.-II, App.-II

*Common Name* : Dhole or Indian Wild Dog.

*Distribution* : Darjiling and Jalpaiguri.



85. *Vulpes bengalensis* (Shaw)

Status : Sch.-II

Common Name : Bengal fox.

*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Birbhum, Barddhaman, Koch Bihar (Sitalkuchi), Darjiling, Haora, Hugli, Jalpaiguri, Maldah, Medinipur, Murshidabad, Nadia, Puruliya and Dinajpur (between Raiganj and Bishnupur).

Family FELIDAE

86. *Catopuma temminckii temminckii*

Vigors &amp; Horsfield

Status : Sch.-I, Vulnerable

Common Name : Golden cat.

*Distribution* : Darjiling (Kalimpong hills, Lish, Ghish).

87. *Felis chaus affinis* Gray

Status : Sch.-II, App.-II

Common Name : Jungle cat.

*Distribution* : Koch Bihar (Sitalkuchi), Darjiling (Kalimpong) and Jalpaiguri.

88. *Felis chaus kutas* Pearson

Status : Sch.-II, App.-II

Common Name : Jungle cat/Khatas.

*Distribution* : Bankura, Barddhaman, Birbhum, Kolkata, Haora, Hugli, Medinipur, Puruliya and W. Dinajpur.

89. *Neofelis nebulosa macrosceloides*  
(Hodgson)

Status : Sch.-I, App.-I, Endangered

Common Name : Clouded leopard.

*Distribution* : Darjiling (Chumong, Pankhabari) and Jalpaiguri (Buxa Tiger Reserve).

90. *Panthera pardus fusca* (Meyer)

Status : Sch.-I, Vulnerable

Common Name : Common Indian leopard or Panther.

*Distribution* : Bankura, Birbhum, Barddhaman, Koch Bihar, Darjiling, Hugli, Jalpaiguri, Maldah, Medinipur, Murshidabad, Nadia, Puruliya and West Dinajpur.

91. *Panthera tigris tigris* (Linnaeus)

Status : Sch.-I, App. -I, Vulnerable

Common Name : Tiger.

*Distribution* : North 24 Pgs., South 24 Pgs. (Sunderban), Koch Bihar, Darjiling, Jalpaiguri and Medinipur.

92. *Pardofelis marmorata charltoni*  
Gray

Status : Sch.-I, App.-I, Endangered

Common Name : Himalayan Marbled cat.

*Distribution* : Darjiling.93. *Prionailurus bengalensis bengalensis* Kerr

Status : Sch.-I, App.-I, Vulnerable

Common Name : Leopard cat.

*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Birbhum, Barddhaman, Koch Bihar, Darjiling, Haora, Hugli, Jalpaiguri, Maldah, Puruliya and West Dinajpur.

94. *Prionailurus viverrinus* (Bennett)

Status : Sch.-I, Vulnerable

Common Name : Fishing cat.

*Distribution* : North 24 Pgs., South 24 Pgs., Haora, Hugli, Jalpaiguri and Kolkata.

95. *Uncia uncia* Schreber

Status : Sch.-I, App.-I, Endangered

Common Name : Ounce, Snow leopard.

*Distribution* : Darjiling.

Family HERPESTIDAE

96. *Herpestes edwardsi nyula* (Hodgson)

Status : Sch.-IV

Common Name : Indian Grey Mongoose.

*Distribution* : North 24 Pgs. (Basirhat), South 24 Pgs., Bankura, Birbhum, Barddhaman, Koch Bihar (Mathabhanga), Haora, Hugli, Jalpaiguri (Haldibari), Kolkata, Murshidabad, Nadia and Puruliya.

97. *Herpestes javanicus auropunctatus*  
(Hodgson)

Status : Sch.-IV

Common Name : Small Indian Mongoose.

*Distribution* : South 24 Pgs., Bankura, Birbhum, Bardhaman, Darjiling, Haora, Hugli, Jalpaiguri (Chilapata, Hasimara), Kolkata, Medinipur, Nadia and Dinajpur (Raiganj).

98. ***Herpestes palustris*** Ghose

Status : Sch.-IV, Endemic

*Common Name* : Marsh Mongoose.

*Distribution* : Kolkata, North 24 Pgs. (Salt Lake, Bantala, Duttabad, Hederhat, Nalbani, Sukchar), South 24 Pgs. and Haora (Shibpur).

99. ***Herpestes urva*** (Hodgson)

Status : Sch.-IV

*Common Name* : Crab-eating Mongoose.

*Distribution* : Darjiling and Jalpaiguri.

Family HYAENIDAE

100. ***Hyaena hyaena hyaena*** (Linnaeus)

Status : Sch.-III

*Common Name* : Striped Hyaena.

*Distribution* : Bankura, Bardhaman, Medinipur, Murshidabad, Puruliya and West Dinajpur.

Family MUSTELIDAE

101. ***Amblonyx cinereus concolor***  
(Rafinesque)

*Common Name* : Oriental small-clawed Otter.

*Distribution* : Jalpaiguri (it's present occurrence is doubtful in other parts of West Bengal).

102. ***Arctonyx collaris collaris*** Cuvier

Status : Sch.-I

*Common Name* : Hog-Badger.

*Distribution* : Darjiling and Jalpaiguri.

103. ***Lutra lutra nair*** Cuvier

Status : Sch.-II

*Common Name* : Common Otter.

*Distribution* : South 24 Pgs., North 24 Pgs., Bankura, Darjiling, Hugli, Jalpaiguri, Kolkata and Murshidabad.

104. ***Lutrogale perspicillata perspicillata*** Geoffroy

Status : Sch.-II

*Common Name* : Smooth-coated Indian Otter.

*Distribution* : South 24 Pgs., North 24 Pgs., Birbhum, Jalpaiguri (Jaldapara) and Kolkata.

105. ***Martes flavigula flavigula***  
(Boddaert)

Status : Sch.-II

*Common Name* : Yellow-throated Marten.

*Distribution* : Darjiling and Jalpaiguri.

106. ***Martes foina intermedia*** (Severtzov)

Status : Sch.-II

*Common Name* : Stone Marten.

*Distribution* : Darjiling.

107. ***Mellivora capensis indica*** (Kerr)

Status : Sch.-I

*Common Name* : Ratel or Honey Badger.

*Distribution* : Darjiling and Jalpaiguri.

108. ***Melogale personata nipalensis***  
(Hodgson)

Status : Sch.-II

*Common Name* : Burmese Ferret-Badger.

*Distribution* : Jalpaiguri (Hasimara).

109. ***Mustela kathiah kathiah*** Hodgson

*Common Name* : Yellow-bellied Weasel.

*Distribution* : Darjiling.

110. ***Mustela sibirica subhemachalana***  
Hodgson

*Common Name* : Siberian weasel.

*Distribution* : Darjiling.

Family URSIDAE

111. ***Melursus ursinus ursinus*** (Shaw)

Status : Sch.-I, App- I

*Common Name* : Sloth Bear.

*Distribution* : Bankura, Darjiling, Jalpaiguri, Medinipur and Puruliya.

112. *Ursus thibetanus laniger* Pocock

Status : Sch.-II, App-I

*Common Name* : Asiatic Black Bear.*Distribution* : Darjiling and Jalpaiguri.

Family VIVERRIDAE

113. *Arctogalidia trivirgata* (Gray)

Status : Sch.-II

*Common Name* : Three-banded Palm civet.*Distribution* : Darjiling.114. *Paguma larvata grayi* (Bennett)

Status : Sch.-II

*Common Name* : Masked-palm civet.*Distribution* : Darjiling.115. *Paradoxurus hermaphroditus*

(Pallas)

Status : Sch.-II

*Common Name* : Common Palm Civet or Toddy cat.*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Birbhum, Bardhaman, Koch Bihar, Darjiling, Haora, Hugli, Jalpaiguri, Kolkata, Maldah, Medinipur, Murshidabad, Nadia, Puruliya and West Dinajpur.116. *Viverra zibetha zibetha* Linnaeus

Status : Sch.-II

*Common Name* : Larger Indian Civet.*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Koch Bihar, Darjiling (Narbong, Sivok, Sungma), Jalpaiguri (Bharnabhari, Hasimara), Kolkata, Maldah, Medinipur, Nadia and West Dinajpur.117. *Viverricula indica indica*

(Desmarest)

Status : Sch.-II

*Common Name* : Small Indian Civet.*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Koch Bihar, Haora, Hugli, Jalpaiguri, Kolkata, Maldah, Medinipur, Murshidabad, Nadia, Puruliya and West Dinajpur.

Order PROBOSCIDEA

Family ELEPHANTIDAE

118. *Elephas maximus indicus* Cuvier

Status : Sch.-I, App.-I, Vulnerable

*Common Name* : Indian Elephant.*Distribution* : Bankura, Bardhaman, Koch Bihar, Darjiling, Jalpaiguri and Medinipur.

Order PERISSODACTYLA

Family RHINOCEROTIDAE

119. *Rhinoceros unicornis* Linnaeus

Status : Sch.-I, Endangered

*Common Name* : Great Indian One-horned Rhinoceros.*Distribution* : Jalpaiguri.

Order ARTIODACTYLA

Family CERVIDAE

120. *Axis axis axis* (Erxleben)

Status : Sch.-III

*Common name* : Chital or spotted Deer.*Distribution* : North 24 Pgs., South 24 Pgs., Birbhum, Nadia and Puruliya.121. *Axis porcinus porcinus*

(Zimmermann)

Status : Sch.-III

*Common Name* : Hog Deer.*Distribution* : Jalpaiguri.122. *Cervus duvaucelii* Cuvier

Status : Sch.-I, Vulnerable

*Common Name* : Swamp Deer.*Distribution* : Jalpaiguri (Presently natural population is not available in the state, only the introduced animals occur in the protected areas).123. *Cervus unicolor niger* Blainville

Status : Sch.-III

*Common Name* : Sambar.*Distribution* : Darjiling, Jalpaiguri and Medinipur.

124. *Muntiacus muntjak vaginalis*

(Boddaert)

Status : Sch.-III

*Common Name* : Indian Muntjac or Barking Deer.*Distribution* : Darjiling, Jalpaiguri, Medinipur and Puruliya.

Family BOVIDAE

125. *Antelope cervicapra rupicapra*

Muller

Status : Sch.-I, Vulnerable

*Common name* : Blackbuck.*Distribution* : Birbhum and Medinipur.126. *Bos frontalis* Lambert

Status : Sch.-I, Vulnerable

*Common Name* : Gaur.*Distribution* : Darjiling and Jalpaiguri.127. *Bubalus bubalis bubalis* (Linnaeus)

Status : Sch.-I, Endangered

*Common Name* : Wild Buffalo.*Distribution* : Jalpaiguri (not reported in recent years, last recording in 1992 from Buxa Tiger Reserve).128. *Hemitragus jemlahicus schaeferi*

Pohle

Status : Sch.-I, Endangered

*Common Name* : Himalayan Tahr.*Distribution* : Darjiling.129. *Nemorhaedus goral hodgsoni*

Pocock

Status : Sch.-I, App.-I, Endangered

*Common Name* : Goral.*Distribution* : Darjiling.130. *Nemorhaedus sumatraensis jamrachi* Pocock

Status : Sch.-I, App.-I, Vulnerable

*Common Name* : Serow.*Distribution* : Darjiling.

Family SUIDAE

131. *Sus salvanius* (Hodgson)

Status : Sch.-I, App.-I, Endangered

*Common Name* : Pygmy Hog.*Distribution* : Jalpaiguri (Gorumara). It's presence is doubtful.132. *Sus scrofa cristatus* Wagner

Status : Sch.-III

*Common Name* : Indian Wild Boar.*Distribution* : North 24 Pgs., South 24 Pgs., Bankura, Birbhum, Bardhaman, Koch Bihar, Darjiling, Jalpaiguri, Maldah, Murshidabad, Nadia and Puruliya.

Order LAGOMORPHA

Family LEPORIDAE

133. *Caprolagus hispidus* (Pearson)

Status : Sch.-I, App.-I, Critical (RDB, ZDSI)

*Common Name* : Hispid Hare.*Distribution* : Jalpaiguri.134. *Lepus nigricollis ruficaudatus*

Geoffroy

Status : Sch.-IV

*Common Name* : Rufous-tailed Hare.*Distribution* : Bankura, Birbhum, Koch Bihar, Darjiling (Tonglu), Hugli, Jalpaiguri (Hasimara, Khuntimari, Jalpaiguri), Medinipur (Salbani), Nadia and Puruliya.

Family OCHOTONIDAE

135. *Ochotona thibetana sikimaria*

Thomas

*Common Name* : Moupin Pika.*Distribution* : Darjiling (Sandakphu).

Order RODENTIA

Family HYSTRICIDAE

136. *Hystrix brachyurus hodgsoni*

(Gray)

*Common Name* : Crestless Himalayan Porcupine.*Distribution* : Darjiling and Jalpaiguri.

137. *Hystrix indica indica* Kerr

Status: Sch. -IV

*Distribution* : North 24 Pgs., Bankura and Puruliya.

Family MURIDAE

138. *Bandicota bengalensis bengalensis* (Gray)*Common Name* : Lesser Bandicoot Rat.

*Distribution* : North 24 Pgs. (Bhatpara), South 24 Pgs. (Behala, Sagar island, Taldi), Koch Bihar (Sitalkuchi), Darjiling (Kalimpong, Nimbong, Pashok), Haora, Hugli (Chinsurah, Jhapandanga, Ratanpur, Singur), Jalpaiguri (Gorumara, Hasimara, Khuntimari), Kolkata, Maldah, Medinipur (Jhargram, Garbeta, Salbani), Murshidabad (Baharampur), Nadia (Betai, Madanpur, Plassey) and Puruliya.

139. *Bandicota indica nemorivaga* (Hodgson)*Common Name* : Large Bandicoot-Rat.

*Distribution* : North 24 Pgs. (Salt Lake), South 24 Pgs. (Sagar island, Thakurpukur), Barddhaman (Katoya), Haora, Hugli (Jhapandanga, Singur), Kolkata and Medinipur.

140. *Cannomys badius badius* (Hodgson)*Common Name* : Bay Bamboo Rat.

*Distribution* : Darjiling and Jalpaiguri (Hasimara).

141. *Cretnomys blandfordi* (Thomas)*Common Name* : Blanford's Rat.

*Distribution* : Puruliya (Ajodhya Hills, Matha).

142. *Dacnomys millardi millardi* Thomas

*Common Name* : Millard's Rat or Large-toothed Rat.

*Distribution* : Darjiling.143. *Golunda ellioti ellioti* Gray*Common Name* : Indian Bush rat.

*Distribution* : Darjiling (Kurseong) and Jalpaiguri (Hasimara).

144. *Leopoldamys edwardsi edwardsi* (Thomas)*Common Name* : Edward's Rat.*Distribution* : Darjiling.145. *Microtus sikimensis* (Hodgson)*Common Name* : Sikkim Vole.*Distribution* : Darjiling (Sandakphu).146. *Millardia meltada singuri* Mandal & Ghosh*Common Name* : Soft-furred Field Rat.*Distribution* : Hugli (Singur).147. *Mus booduga booduga* (Gray)*Common Name* : Little Indian Field Mouse.

*Distribution* : North 24 Pgs. (Dhappa, Saltlake), South 24 Pgs. (Sagar Island), Koch Bihar, Darjiling, Haora (Shibpur), Hugli (Bally, Singur), Kolkata, Medinipur (Kanaisole) and Murshidabad (Baharampur).

148. *Mus cervicolor cervicolor* Hodgson*Common Name* : Fawn-coloured Mouse.

*Distribution* : North 24 Pgs. (Salt Lake), South 24 Pgs. (Hemnagar), Hugli (Chinsurah, Singur), Jalpaiguri (Khuntimari), Medinipur (Chandra) and Dinajpur (Raiganj).

149. *Mus musculus homourus* Hodgson*Common Name* : House Mouse.

*Distribution* : Darjiling (Batasia, Ghoom, Gopaldhara, Kalimpong, Narbong, Pashok, Pedong, Sandakphu, Sukiapokhri, Takdah) and Jalpaiguri (Bharnabari, Hasimara).

150. *Mus musculus castaneus* Waterhouse*Common Name* : House Mouse.

*Distribution* : Birbhum (Chandrapur, Tumbani), Barddhaman (Barakar) and Medinipur.

151. *Mus musculus urbanus* Hodgson*Common Name* : House Mouse.

*Distribution* : North 24 Pgs. (Parmadan, SaltLake), South 24 Pgs. (Barisha, Thakurpukur, Sagar Island), Barddhaman

(Arrah, Churpurni, Katoya), Koch Bihar (Atiamochor, Sitalkuchi), Darjiling (Batasi, Ghoom, Gopladhara, Jonsong, Kalimpong, Narbong, Pashok), Haora (Shibpur), Hugli (Chinsurah, Singur), Kolkata, Maldah, Medinipur (near Jhargram), Murshidabad (Baharampur), Nadia (Madanpur) and Dinajpur (Raiganj, Kulik).

152. ***Mus pahari pahari*** Thomas

*Common Name* : Sikkim Mouse.

*Distribution* : Darjiling (Pashok, Takdah).

153. ***Mus platythrix*** Bennett

*Common Name* : Brown Spiny Mouse.

*Distribution* : Puruliya (Ajodhya Hills).

154. ***Mus saxicola*** Elliot

*Common Name* : Elliot's Brown Spiny Mouse.

*Distribution* : Birbhum (Chandrapur), Medinipur (Garbeta) and Puruliya (Kuilapal).

155. ***Nesokia indica indica*** (Gray)

*Common Name* : Short-tailed Mole Rat.

*Distribution* : Nadia (Plassey).

156. ***Niviventer eha eha*** (Wroughton)

*Common Name* : Little Himalayan Rat.

*Distribution* : Darjiling (Palmajua, Sandakphu).

157. ***Niviventer fulvescens fulvescens***  
(Gray)

*Common Name* : Chestnut Rat.

*Distribution* : Darjiling (Nimbong, Palmajua, Pashok, Pedong, Selimbong, Takdah).

158. ***Niviventer niviventer monticola***  
(Ghose)

*Common Name* : Ghose's white-bellied Rat.

*Distribution* : Darjiling (Palmajua, Sandakphu).

159. ***Niviventer niviventer niviventer***  
(Hodgson)

*Common Name* : White-bellied Rat.

*Distribution* : Darjiling (Ghoombhanjang, Selimbong).

160. ***Rattus nitidus nitidus*** (Hodgson)

*Common Name* : Himalayan Rat.

*Distribution* : Darjiling (Ghoombhanjang, Gopaldhara, Mongpu, Nimbong, Palmajua, Pashok, Pedong, Sangser).

161. ***Rattus norvegicus*** (Berkenhout)

*Common Name* : Norway Rat or Brown Rat.

*Distribution* : North 24 Pgs. (Nager bazar, Baguihati), South 24 Pgs. (Sakher bazaar) and Kolkata.

162. ***Rattus rattus arboreus*** (Horsfield)

*Common Name* : House Rat.

*Distribution* : North 24 Pgs. (Saltlake), South 24 Pgs. (Basanti, Sagar island, Pathar pratima, Thakurpukur), Birbhum (Chandrapur), Bardhaman (Arrah, Barakar, Churpurni, Katoya), Koch Bihar (Atiamochor, Mathabhanga, Sitalkuchi), Haora (Shibpur), Hugli (Chinsurah, Singur), Kolkata, Maldah (old Maldah), Medinipur (near Jhargram, Medinipur, Garbeta), Murshidabad (Baharampur, Jiaganj), Nadia (Plassey), Puruliya (Kuilapal) and Dinajpur (Kaliaganj).

163. ***Rattus rattus brunneusculus***  
(Hodgson)

*Common Name* : House Rat.

*Distribution* : Darjiling (Kalimpong, Nimbong, Palmajua, Pashok, Pedong, Sangser, Takdah, Tarkhola) and Jalpaiguri (Gorumara).

164. ***Rattus rattus rufescens*** (Gray)

*Common Name* : House Rat.

*Distribution* : South 24 Pgs. (Dhappa), Haora (Botanical Garden), Jalpaiguri, Kolkata and Murshidabad (Baharampur).

165. ***Rattus tanezumi bhotia*** Hinton

*Common Name* : House Rat.

*Distribution* : Jalpaiguri (Hasimara).

166. ***Rattus tanezumi khyensis*** Hinton

*Common Name* : House Rat.

*Distribution* : Jalpaiguri (Khuntimari).

167. *Rattus tanezumi tistae* Hinton

Common Name : House Rat.

*Distribution* : Darjiling (Gopaldhara, Kalimpong, Narbong, Nimbong, Pashok, Pedong, Sangser).

168. *Rattus turkestanicus rattoides*  
(Hodgson)

Common Name : Turkestan Rat.

*Distribution* : Darjiling (Ghoom).

169. *Tatera indica indica* (Hardwicke)

Common Name : Indian Antelope-Rat.

*Distribution* : North 24 Pgs. (Parmadan), Medinipur (Chandra, Garbeta), Murshidabad (Baharampur) and Nadia (Plassey).

170. *Vandeleuria oleracea dumeticola*  
(Hodgson)

Common Name : Indian Long-tailed Tree Mouse.

*Distribution* : Darjiling (Pashok), Jalpaiguri (Bharnabari, Hasimara) and Puruliya (Ajodhya Hills).

Family SCIURIDAE

171. *Belomys pearsonii pearsonii*  
(Gray)

Common Name : Hairy-footed Flying Squirrel.

*Distribution* : Darjiling.

172. *Callosciurus pygerythrus lokroides* (Hodgson)

Common Name : Hoary-bellied Himalayan Squirrel.

*Distribution* : Darjiling (Gopaldhara, Mungpo, Narbong, Pashok, Samsing, Sangser, Sivok, Tarkhola, Tindharia) and Jalpaiguri.

173. *Dremomys lokriah lokriah*  
(Hodgson)

Common Name : Orange-bellied Himalayan Squirrel.

*Distribution* : Darjiling (Palmajua, Selimbong) and Jalpaiguri.

174. *Funambulus pennantii* Wroughton

Status : Sch.-II

Common Name : Northern Palm Squirrel.

*Distribution* : North 24 Pgs. (Parmadan), South 24 Pgs. (Taldi), Bankura (Susunia), Birbhum, Bardhaman, Koch Bihar, Haora (Bali, Belur, Haora), Hugli (Jhapandanga, Chandannagar, Singur), Jalpaiguri, Kolkata, Maldah, Medinipur (Garbeta), Murshidabad (Baharampur), Nadia (Madanpur, Plassey, Ramnagar) and Puruliya (Inampur).

175. *Funambulus palmarum palmarum* (Linnaeus)

Common Name : Indian Palm Squirrel.

*Distribution* : Medinipur and Puruliya (Ajodhya Hills, Matha).

176. *Hylotes alboniger alboniger*  
(Hodgson)

Common Name : Parti-coloured Flying Squirrel.

*Distribution* : Darjiling (Kurseong, Pashok, Selimbong) and Jalpaiguri.

177. *Petaurista elegans caniceps* (Gray)  
Status : Sch.- II

Common Name : Lesser Giant Flying Squirrel.

*Distribution* : Darjiling (Ghhombhanjang, Phalut, Tonglu).

178. *Petaurista nobilis nobilis* (Gray)  
Status : Sch.- II

Common Name : Gray's Giant Flying Squirrel.

*Distribution* : Darjiling (Ghoombhanjang, Selimbong).

179. *Petaurista petaurista philippensis*  
(Elliot)

Status : Sch.-II

Common Name : Common Giant Flying Squirrel.

*Distribution* : Puruliya.

180. *Petaurista magnificus hodgsoni*  
Ghose & Saha

Status : Sch.-II

Common Name : Hodgson's Giant Flying Squirrel.

*Distribution* : Darjiling (Ghoombhanjang).

181. ***Ratufa bicolor gigantea*** (M'Clelland)

Status : Sch.-II, App.-II

*Common Name* : Malayan Giant Squirrel.*Distribution* : Darjiling (Narbong, Rungbee, Sangser, Samsing, Sivok, Tarkhola) and Jalpaiguri (Chilapata, Khuntimari, BTR).182. ***Tamiops macclellandi macclellandi*** (Horsfield)*Common Name* : Himalayan Striped Squirrel.*Distribution* : Darjiling (Gopaldhara, Palmajua, Selimbong).

Order CETACEA

Family DELPHINIDAE

183. ***Globicephala macrorhynchus*** Gray

Status : Sch.-II

*Common Name* : Indian Pilot Whale.*Distribution* : Hugli (Shrirampore, But occurrence in recent time is very doubtful).184. ***Orcaella brevirostris*** (Gray) **Status** : Sch.-I, App.-II*Common Name* : Irrawaddy Dolphin.*Distribution* : South 24 Pgs. (Bay of Bengal).185. ***Sousa chinensis*** (Osbeck)

Status : Sch.-II, App.-I

*Common Name* : Plumbeous Dolphin.*Distribution* : South 24 Pgs.186. ***Stenella attenuata*** (Gray)

Status : Sch.-II

*Common Name* : Malay Dolphin.*Distribution* : South 24 Pgs. (Sunderban, Only report of sighting in 1891 by W.T. Blandford).

Family PHOCOENIDE

187. ***Neophocaena phocaenoides*** (Cuvier)

Status : Sch.-II, App.-I, Vulnerable

*Common Name* : Black Finless Porpoise.*Distribution* : South 24 Pgs. (Sunderban).

Family PLATANISTIDAE

188. ***Platanista gangetica*** (Roxburgh)

Status : Sch.-I, App.-I

*Common Name* : Gangetic Dolphin.*Distribution* : Hugli, Nadia (Mayapur) and Kolkata.



PLATE I



*Abies spectabilis* (Pinaceae)



*Abroma augusta* (Malvaceae)



*Alpinia purpurata* (Zingiberaceae)



*Amherstia nobilis* (Fabaceae)



*Acorus calamus* (Acoraceae)



*Acacia greggii* (Fabaceae)



*Anemone obtusifolia* (Ranunculaceae)



PLATE II



*Anemone polyanthes* (Ranunculaceae)



*Aphanamixis polystachya* (Meliaceae)



*Ardisia solanacea* (Myrsinaceae)



*Brownea hybrida* (Fabaceae)



*Arisaema griffithii* (Araceae)



*Cycas rumphii* (Cycaceae)



*Eichhornia crassipes* (Pontederiaceae)



PLATE III



*Cassia alata* (Fabaceae)



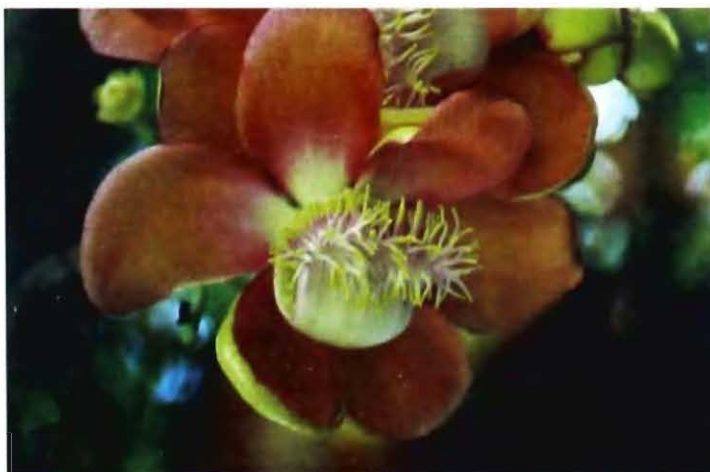
*Clematis montana* (Ranunculaceae)



*Agaricus bisporus* (Mushroom)



*Costus* (Costaceae)



*Couroupita guianensis* (Lecythidaceae)



*Delonix regia* (Caesalpinaceae)



PLATE IV



*Dendrobium nobile* (Orchidaceae)



*Euphorbia wallichii* (Euphorbiaceae)



*Fragaria* sp. (Rosaceae)



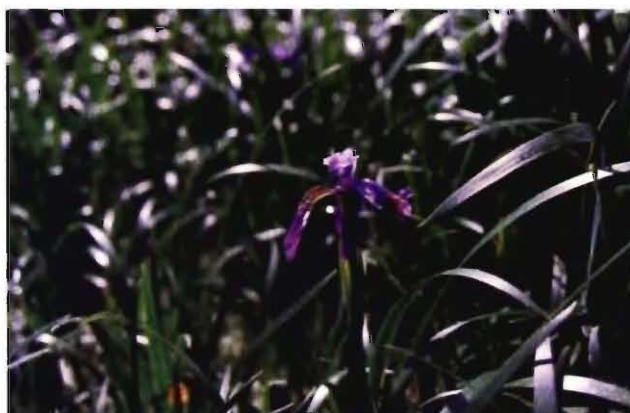
*Gloriosa superba* (Colchicaceae)



*Diplazium giganteum* (Gleicheniaceae)



*Holarrhena antidysenterica* (Apocynaceae)



*Iris clarkei* (Iridaceae)



*Ocimum basilicum* (Lamiaceae)



PLATE V



*Fritillaria cirrhosa* (Liliaceae)



*Meconopsis* sp. (Papaveraceae)



*Rheum australe* (Polygonaceae)



*Ocimum gratissimum* (Lamiaceae)



*Pedicularis* sp. (Orobanchaceae)



*Phaius tankervillae* (Orchidaceae)



*Rhododendron arboreum* (Ericaceae)



PLATE VI



*Rhododendron hodgsonii* (Ericaceae)



*Rhododendron campanulatum* (Ericaceae)



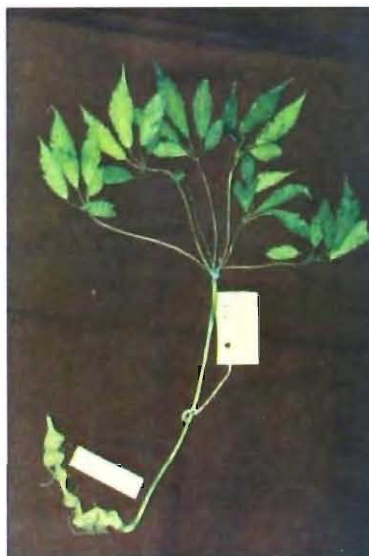
*Rhododendron wightii* (Ericaceae)



*Rauvolfia tetraphylla* (Apocynaceae)



*Ocimum sanctum* (Lamiaceae)



*Panax pseudoginseng* (Araliaceae)



*Smilacina oleracea* (Liliaceae)



*Strelitzia reginae* (Strelitziaceae)

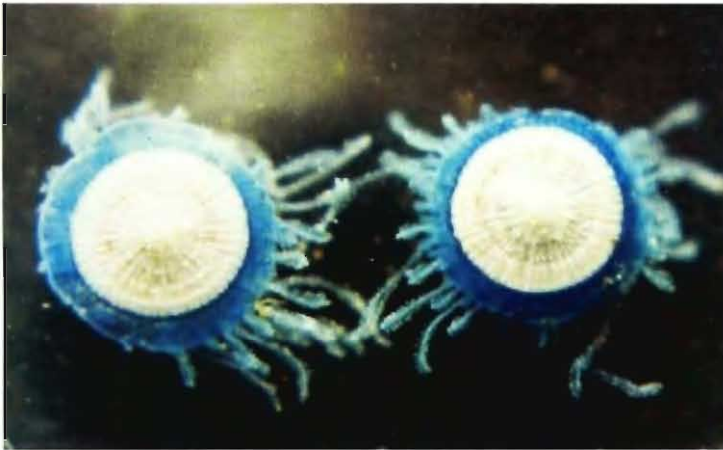


*Theobroma cacao* (Sterculiaceae)



**PLATE I**

**CNIDARIA**



*Porpita porpita*



*Physalia physalis*



*Acromitus rabanchatu*



*Velella velella*

**CTENOPHORA**



*Pleurobrachia globosa*

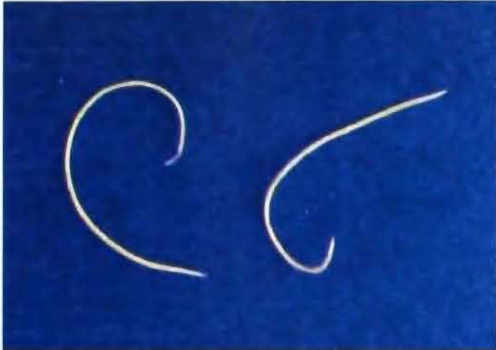
**ANNELIDA**



*Chloeia parva*

PLATE II

HELMINTHES



*Ascaridia galli*



*Contracaecum tricuspe*



*Ascaris lumbricoides*

ECHINODERMATA



*Astropecten euriacanthus*



*Astropecten indicus*



*Ophiocnemis marmorata*



*Temnopleurus toreumaticus*



PLATE III  
MOLLUSCA



*Amphidromus andamanicus*



*Olivancillaria gibbosa*



*Architectonica perspectiva*



*Ariophanta laevipes*



*Ariophanta interrupta*



*Ariophanta kadapaensis*



*Oreobba codonodes*



*Hemiplecta basileus*



*Meretrix meretrix*



*Perna viridis*

PLATE IV

CRUSTACEA



*Ocypode macrocera*



*Portunus sanguinolentus*

HEMIPTERA



*Gaeana sulphurea*



*Laccotrephes ruber*



*Macroceraea grandis*



*Tessaratoma papillosa*



*Vilius melanopterus*



*Lethocerus indicus*



*Lohita grandis*

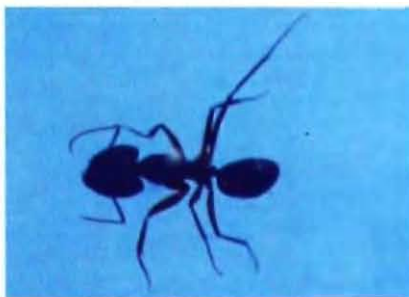


PLATE V

HYMENOPTERA



*Apis (Megapis) dorsata*



*Camponotus compressus*



*Apis sp.*



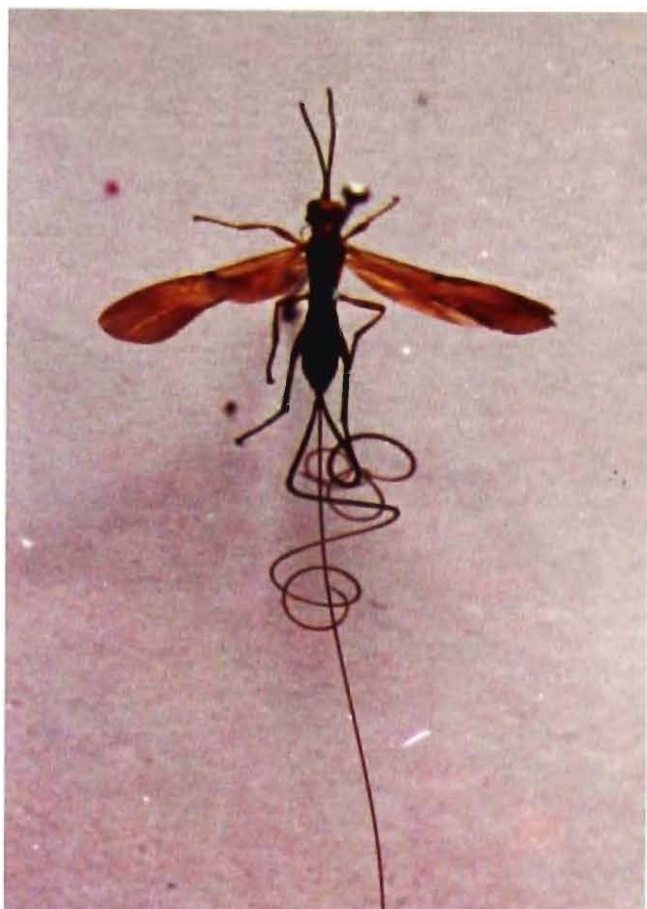
Pompilidae



*Delta dimidiatempenne*



*Polistes olivaceus*



Braconidae



*Sphex sp.*



Wasp

PLATE VI

LEPIDOPTERA



*Danaus chrysippus*



*Graphium sarpedon*



*Papilio demoleus*



*Terias hecabe*



*Hebomoia glaucippe*



*Kallima inachus*



*Euploea mulciber mulciber*



*Graphium (Graphium) agamemnon agamemnon*



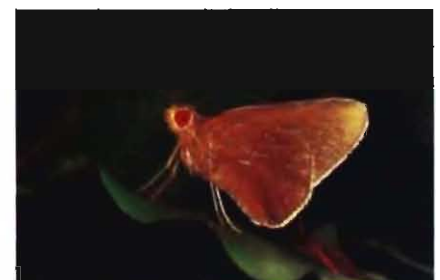
*Priniceps (Priniceps) arcturus arcturus*



*Hypolimnas misippus*



*Loxura atymnus*



*Matapa aria*



*Delias eucharis*



*Troides helena*



*Danaus genutia genutia*



PLATE VII

COLEOPTERA



*Chrysochroa ixora*



*Calcodes siva*



*Cybister limbatus*

PLATE VIII

ORTHOPTERA



*Acrida exaltata*



*Aularches miliaris*



*Choroedocus robustus*



*Gryllotalpa fossor*



*Hieroglyphus banian*



*Schizodactylus monstrosus*



*Poekilocerus pictus*

PLATE IX

ODONATA



*Ceriagrion coromandelianum*



*Ictinogomphus rapax*



*Rhyothemis variegata*



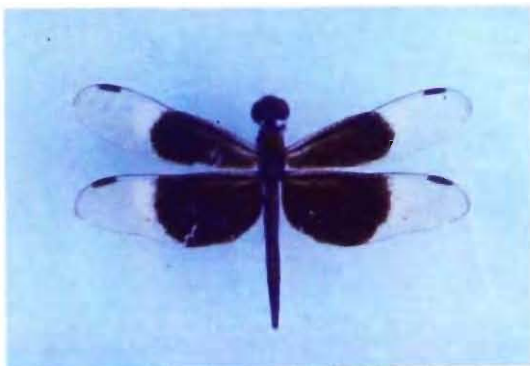
*Trithemis* sp.



*Hemianax ephippiger*



*Pantala flavescens*



*Neurothemis tullia tullia*



*Orthetrum prunosum neglectum*



PLATE X

DIPTERA



*Asarkina (A.) ericetorum*



*Hippobosca*



*Michotamia aurata*



*Parasarcophaga (P.) albiceps*



*Chrysomya megacephala*



*Ligyra aurantiaca*



*Machimus rufipes*



*Mesembria quadrivittatus*



PLATE XI

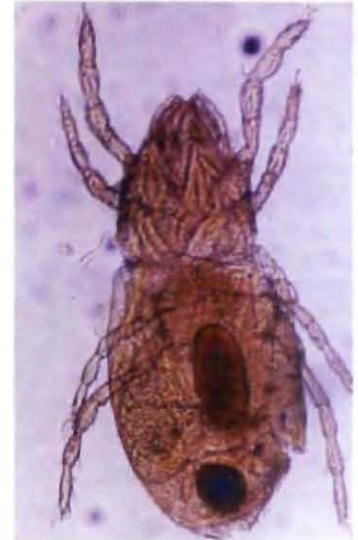
TICKS & MITES



*Haemaphysalis bispinosa*



*Scheloribates parvus*



*Dolicheremaeus Himalayensis*



*Ixodes ovatus*



*Rhipicephalus haemaphysaloides*

ARACHNIDA



*Poecilotheria miranda*



*Phylogoides himalayensis*

PLATE XII

ARACHNIDA



*Argiope* sp.



*Thomisus* sp.



*Limulus polyphemus*



*Scolopendra subspinipes*



*Scolopendra subspinipes*  
var. *dehaani*



PLATE XIII

FISHES



*Chanda ranga*



*Channa orientalis*



*Labeo rohita*



*Mastacembelus pancalus*

PLATE XIV

FISHES



*Nandus nandus*



*Notopterus notopterus*



*Puntius conchoni*



*Colisa fasciatus*



PLATE XV

FISHES



*Istiophorus gladius*



*Prognichthys gibbipons*

PLATE XVI

AMPHIBIA



*Fejervarya limnocharis*



*Fejervarya syhadrensis*



*Polypedates maculatus*



*Kaloula* sp.



*Chirixalus simus*



*Hoplobatrachus crassus*



PLATE XVII

REPTILES



*Dendrelaphis* sp.



*Naja naja*



*Pelamis platurus*



*Chrysopelea ornata*



*Crocodylus palustris*

**PLATE XVIII**

**REPTILES**



*Varanus flavescens*



*Calotes versicolor*



*Calotes versicolor*



*Gekko sp.*



PLATE XIX

BIRDS



*Elanus caeruleus*



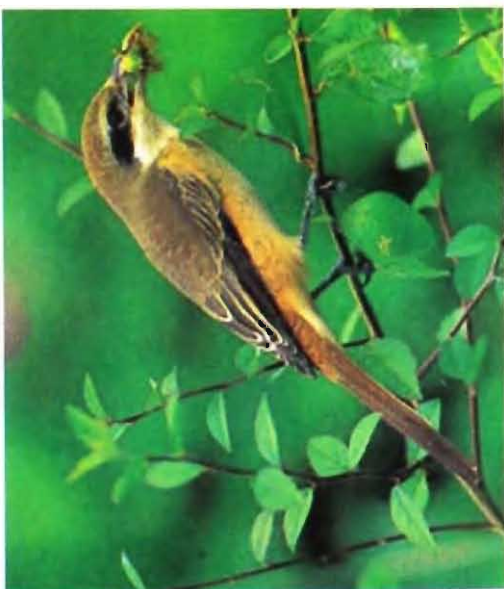
*Leoptilos javanicus*



*Columba livia intermedia*



*Dicrurus aeneus*



*Lanius cristatus*



*Upupa epops*



*Copsychus saularis*

PLATE XX

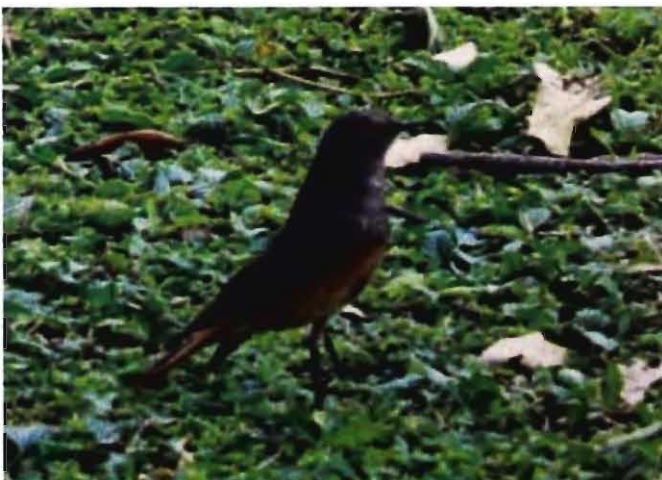
BIRDS



*Accipiter virgatus*



*Dendrocitta vagabunda*



*Phoenicurus ochruros*



*Caprimulgus* sp.



*Himantopus himantopus*

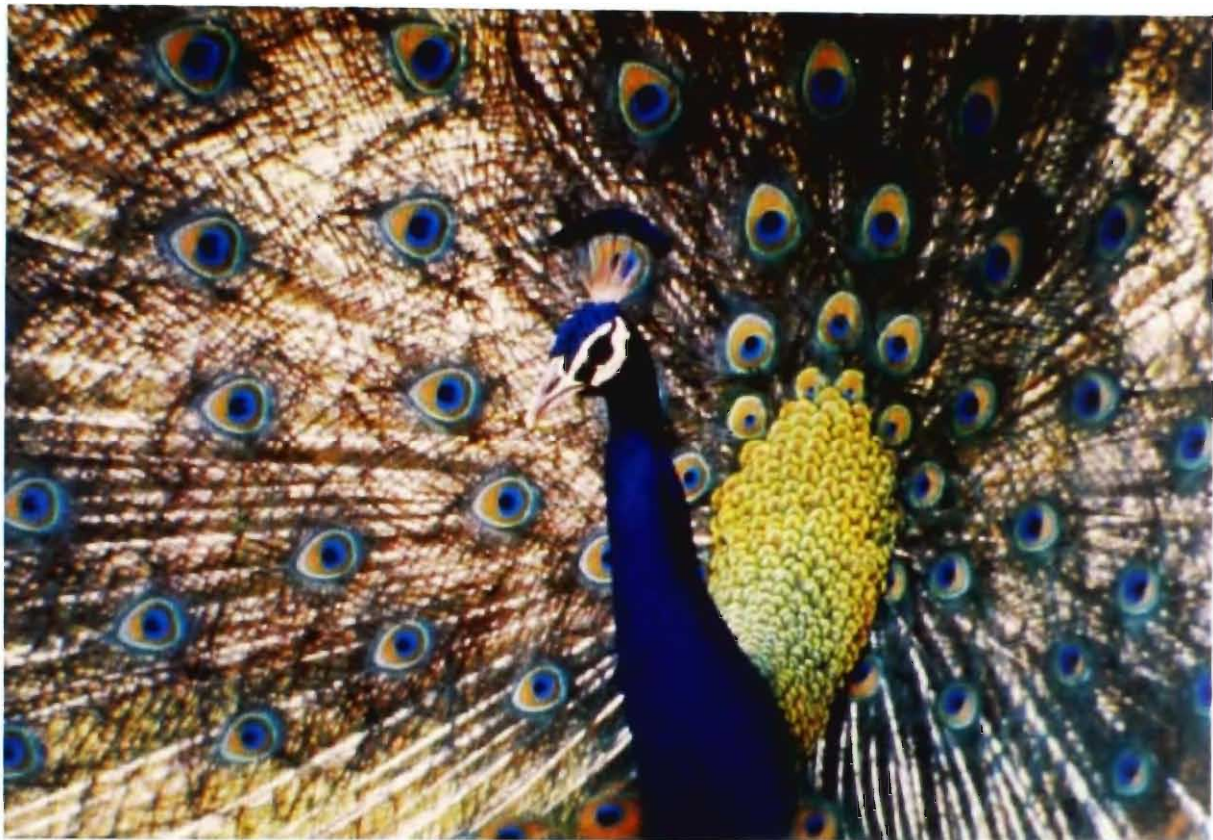


*Sturnus pagodarum*



PLATE XXI

BIRDS



*Pavo cristatus*



*Anhinga rufa*



*Gyps fulvus fulvescens*



*Rhipidura aureola*



*Anthus novaeseelandiae*



*Alcedo atthis*



PLATE XXII

BIRDS



*Otus sunia*



*Streptopelia chinensis*



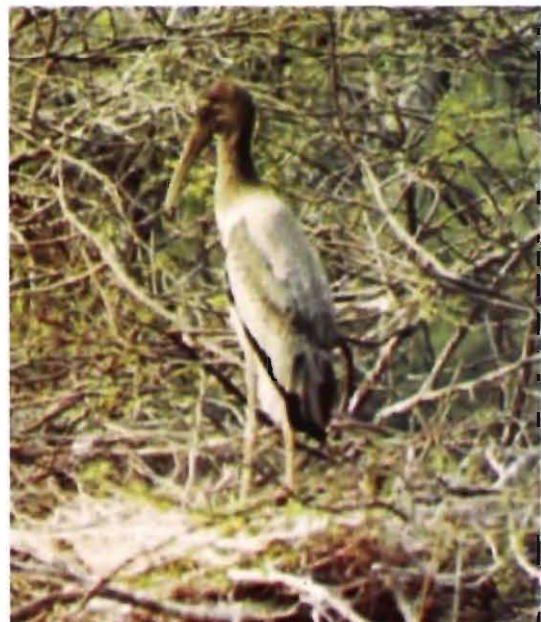
*Zosterops citrina citrina*



*Ceryle rudis*



*Anastomus oscitans*



*Mycteria leucocephala*



PLATE XXIII

BIRDS



*Mycteria leucocephala*



White Pelican



*Ciconia episcopus*



*Anas acuta*



*Ardeola grayii*



*Arde purpurea*



PLATE XXIV

MAMMALS



*Hystrix indica*



*Manis crassicaudata*



*Ratufa bicolor*



*Ailurus fulgens*



*Herpestes palustris*



*Tatera indica indica*



PLATE XXV

MAMMALS



*Sus scrofa*



*Porcula salvinus*



*Elephas maximus*



*Rhinoceros unicornis*



**PLATE XXVI**

**MAMMALS**



*Bos frontalis*



*Muntiacus muntjac*



*Axis axis*



PLATE XXVII

MAMMALS



*Tupaia glis lepcha*



*Ambolynx cinereus concolor*



*Prionailurus viverrinus*



*Prionailurus bengalensis bengalensis*

PLATE XXVIII

MAMMALS



*Canis lupus pallipes*



*Neofelis nebulosa macrosceloides*



*Panthera tigris tigris*



PLATE XXIX

MAMMALS



*Semnopithecus entellus*



*Macaca mulatta*



*Macaca assamensis*