

**OCCASIONAL PAPER NO. 219**

**RECORDS OF THE  
ZOOLOGICAL SURVEY OF INDIA**

**A Catalogue of Mammalian Exhibits of  
Zoological Galleries of the Indian Museum**

**RINA CHAKRABORTY**

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*Zoological Survey of India, FPS Building, Kolkata - 700 016*

*Edited by the Director, Zoological Survey of India, Kolkata*



सत्यमेव जयते

**ZOOLOGICAL SURVEY OF INDIA  
KOLKATA**

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## INTRODUCTION

The Indian Museum was established in the year 1814, but zoological galleries were set up later, in the year 1878. Since then, only one catalogue on total mammalian collections was published in two volumes by Anderson (1881) and Sclater (1891). With the establishment of the Zoological Survey of India in the year 1916, the zoological galleries along with the displayed and reserve collections, came under the supervision of the survey.

The sources of collection of the exhibits are various. Some of the mammal specimens were originally the property of the Asiatic Society of Bengal which was established in the year 1784 by Sir William Jones. Blyth (1863) published a catalogue dealing with the collection of the Asiatic Society of Bengal. Those mammalian collections were later handed over to the Indian Museum. So, the gallery is enriched with century old exhibits also.

Private donors, too numerous to mention, also contributed substantial collections. Collections of W. Rutledge, C.J.T. Llyod, A.R.S. Anderson, H. P. Vieree, Thakur Jaswant Singh, E. Blyth, etc., specially enriched the gallery. In the recent period, the main sources of collection are from Kolkata Zoological Garden and Zoological Survey of India.

The collection is also enriched with invaluable specimens, collected during different expeditions viz., Yunnan Expedition in 1868 and 1875, Northern and Eastern Frontier Expedition in 1870, Pamir Boundary Commission in 1896, Lhasa Expedition in 1903, Abor Expedition in 1911 etc.

The desirability of the preparation of a revised catalogue has been keenly felt, as many changes have taken place in the collection since the publication of the last catalogue, more than hundred years ago.

In many cases, Z.S.I. Registration number, locality, date of collections are wanting but all the exhibits are having GRM number, which belongs to Museum and Taxidermy Section. Date of presentation and date of collection are mentioned under a single column as in many cases of presentation, date of collection was not mentioned.

Wherever possible, Catalogue number of Asiatic Society of Bengal, Sclater and Anderson's catalogue along with the status of the exhibits like mounted exhibit or mounted skeleton, skull etc. are given.

Though most of the mammalian collections now belong to the Mammal and Osteology section of the Zoological Survey of India, yet a comprehensive catalogue of mammalian exhibits displayed in the mammal gallery of the Indian Museum is needed for the curious visitors and researchers. Khajuria (1953, 1955a, 1955b, 1958) published catalogues on primates but those include the reserve National Zoological collections as well as Indian Museum exhibits.

This is, however, the first attempt to have a catalogue exclusively on displayed exhibits of the Indian Museum. The gallery is enriched with 362 exhibits, belong to 191 species.

The abbreviations used in the text are mentioned here along with their full form. Z.S.I. -

Zoological Survey of India; ASB - Asiatic Society of Bengal, ME - Mounted exhibit; Mt. - Mounted; ♂ - Male; ♀ - Female; HB - Head and body; Tl - Tail; E - English; Sl. No. - Serial Number; M & T - Museum and Taxidermy; Yr. - year; Coll. - Collection; Col. -Collector; Reg. No. - Registration Number.

The scientific account like taxonomy, geographical distribution, morphological characters etc. are based on Prater (1965), Honacki *et al.* (1982), Walker (1983), Corbet and Hill (1986), Wilson and Reeder (1993).

As the name of Calcutta has been renamed as 'Kolkata' in the year 2002, so the term 'Kolkata' is used instead of Calcutta.

Class MAMMALIA

Sub Class PROTOTHERIA

1. Order MONOTREMATA

Oviparous; nourish their young after hatching with a lacteal secretion; possess cloaca like birds and reptiles; two uteri; presence of a beak; no teeth; pectoral girdle with coracoid bones.

1.1. Family TACHYGLOSSIDAE

1811. *Tachyglossus* Illiger, *Prodr. Syst. Mammal. et Avium.*, P. 114.

1.1 1 *Tachyglossus aculeatus* (Shaw, 1792)

*Nat. Mis.*, 3, pl. 109.

*Common Name* (E) : Short-nosed Echidna

HB 350 - 530mm; body covered with spines; snout long and cylindrical with a sticky vermiform tongue for catching ants; feet with plantar pads and toes terminating in strong claws; colour yellowish grey.

*Distribution* : Australia, Tasmania and New Guinea.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 261	-	-	-	-	-	ME ASB
2.	GRM 319	20687	-	1981	Zoo Garden Kolkata	-	ME

## 1.2. Family ORNITHORHYNCHIDAE

1800. *Ornithorhynchus* Blumenbach, *Gotting. Gelehrt. Anz.*, 1 : 609-6101.2.1. *Ornithorhynchus anatinus* (Shaw, 1799) *Nat. Misc.*, 10, pl. 385-386.*Common Name* (E) : Duck-billed Platypus

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 262	-	-	-	-	♂	ME

Subclass METATHERIA

2. Order MARSUPIALIA

Monophylodont; in female oviducts only joined towards the end forming a vagina and divided into two by a median partition; eggs hatch in the oviduct; females possess true mammae ending in a nipple, and a pouch or marsupium at the abdomen, but some small marsupials have no pouch; in certain didelphids and dasyurids, the pouch consists merely of folds of skin around the mammae; many marsupials develop pouches only during reproductive season; cranial cavity comparatively small; nasal bone large and expand posteriorly; zygomatic arches complete, with the jugal bone extending backward below the zygomatic process of the squamosal bone as far as the glenoid fossa; palate imperfect, with spaces between the back molars; angular process of the mandible, usually bent inward; epipubic bones associated with pelvic girdle in both sexes.

## 2.1. Family VOMBATIDAE

1803. *Vombatus* E. Geoffroy, *Bull. Sci. Philom, Paris*, 72 : 185.2.1.1. *Vombatus ursinus* (Shaw, 1800). *Gen. Zool. Syst. Nat. Hist.*, 1 (2). Mammalia, p. 504.*Common Name* (E) : Coarse-haired Wombat

HB 700 - 1200 mm; bear like appearance; tail mere stub; fur coarse and harsh; colour varies from buff, silver grey to dark brown or black.

*Distribution* : Eastern New South Wales, southern victoria, southeast South Australia; Tasmania Isls. in the bass Strait and southeastern Queensland.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 249	-	Tasmania	-	Bengal Econ. Museum	-	ME Sclater's Cat.no. 'a'

## 2.2. Family DIDELPHIDAE

1758. *Didelphis* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 54.

2.2.1. *Didelphis marsupialis* Linnaeus, 1758 *Syst. Nat.*, 10th. ed., 1 : 54.

*Common Name* (E) : Large American Opposum

Rat-like in appearance, HB 320-500 mm; tail long; first to clawless and opposable; body colour grey, reddish or white.

*Distribution* : Tamaulipas (Mexico) to Peru; Bolivia, Paraguay, northeastern Argentina, Trinidad and Lesser Antilles.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 251	-	-	-	-	-	ME ASB Cat. no. 76 'B'

## 2.3. Family PHALANGERIDAE

1828. *Trichosurus* Lesson, *Dict. Class. Hist. Nat.*, 13 : 333

2.3.1. *Trichosurus vulpecula* (Kerr, 1792). *Anim. Kingdom*, 1 : 198

*Common Name* (E) : Vulpine Phalanger

Rat-like in appearance; well-furred prehensile tail; varied in coloration from grey, brown to black or white.

*Distribution* : Australia and Tasmania; introduced in New Zealand.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM	10012	-	-	Zoo	-	ME

	252				Garden, Kolkata		
2.	GRM 259		New South Wales	1870	W. Rut- ledge	♂	ME
3.	GRM 260	554	Tasmania	1860	C.J.T. Lloyd	-	ME ASB

1780. *Phalanger* Storr, *Prodr. Meth. Mammal.*, P. 38.

2.3.2. *Phalanger ursinus* (Temminck, 1824). *Monogr. Mamm.*, 1 : 10.

*Syn. Ailurops ursinus*

*Common Name* (E) : Cuscus

Small bear-like in appearance; body covered with thick and woolly fur; ears conspicuous; tail prehensile; claws long and curved; soles naked; body colour white, red or buff; eyes yellow, rimmed and protruding; nose bright yellow.

*Distribution* : Sulawesi and adjacent islands.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 258	-	Fizi Isls.	-	W. Rutledge	-	ME

#### 2.4. Family MACROPODIDAE

1837. *Petrogale* Gray, *Mag. Nat. Hist.* (Charlesworth), 1 : 583.

2.4.1. *Petrogale xanthopus* Gray, 1855. *Proc. zool. Soc. Lond.*, 1854 : 529 (1855)

*Common Name* (E) : Bar-tailed Rock Wallaby

HB ± 800 mm; TL, a little more than 600 mm; fur thick, long and dense; hairs directed forward on the upper surface of neck; bright grey in colour, with a white cheek stripe; a dark streak from between the ears to the middle of the back; limbs yellow, underparts white and tail ringed with brown and pale yellow.

*Distribution* : Southwestern Queensland, South Australia, northwestern New South Wales, Victoria.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 253	-	-	1880	W. Rutledge	-	ME

1841. *Onychogalea* Gray, *J. Two Exped. Aust.*, 2 : 402.

2.4.2. *Onychogalea fraenata* (Gould, 1841). *Proc. zool. Soc. Lond.*, 1840 : 92.

*Common Name* (E) : Bridled Nail-tailed Wallaby

HB 450-670 mm; TL 330-665mm; body covered with soft, thick and silky fur; grey above and white below; shoulder stripe white, centre of neck black; tail tapering and short-haired; hind claws long, narrow and sharp.

*Distribution* : Southern Queensland, interior New South Wales.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 257	-	-	-	-	-	ME

1790. *Macropus* Shaw, *Nat. Misc.*, 1, pl. 23 (text)

2.4.3. *Macropus dorsalis* (Gray, 1837), *Mag. Nat. Hist.* (Charlesworth), 1 : 583

*Common Name* (E) : Black-striped Wallaby

HB 700-800 mm; TL 600-700 mm; colour grey, rich rufous on the fore quarters; underparts greyish white or white; a narrow black line from the occiput to the centre of the back; face marking nearly obsolete; upper lip white; a white spot at the base of the outer edge of the ear; a distinct white hip stripe; back of ears and arms rufous; legs grey; fingers and toes almost black towards their tips; tail grey, tip black; claws on the central hind toes shorter than the usual.

*Distribution* : Eastern Queensland, eastern New South Wales.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 254	-	-	-	-	-	ME

2.4.4. *Macropus rufogriseus* (Desmarest, 1817) *Nouv. Dict. Hist. Nat., Nouv. ed., 17 : 36**Cat. Mars. B. M., P.32.**Common Name (E) : Tasmanian Red-necked Wallaby*

HB 1000-1100 mm, TL 700 - 800 mm; colour above greyish fawn but much more sombre in tone; fur much longer and thicker; nape and rump dull rufous brown; back of ears nearly black; face-markings scarcely visible; underparts greyish-white; tail dark grey.

*Distribution* : SE South Australia, Victoria, SE. Queensland, E New South Wales, Tasmania, King Isl. and adjacent islands (Australia); introduced in England (Corbett and Hill, 1980 : 18)

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 255	-	-	-	-	-	ME
2.	320	20725		1981	Zoo Garden Kolkata	♀	ME

2.4.5. *Macropus robustus* Gould, 1841. *Proc. zool. Soc. Lond., 1841 : 92.**Common Name (E) : Wallaroo*

HB 1200 to 1500 mm and TL 800 to 1000 mm; colour above dark smoky-brown, underparts lighter; nasal region and back of ears nearly black; base of ears white or pale grey; arms, legs and tail very dark brown; central hind toe very short.

*Distribution* : Western and southern Australia, Queensland, New South Wales and Barrow Island.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 256	-	-	-	-	-	ME

Subclass EUTHERIA

3. Order INSECTIVORA

Snout pointed; projecting far beyond the lower jaws; limbs short and five toed; mostly nocturnal.

## 3.1. Family SORICIDAE

1832. *Suncus* Ehrenberg. In Hemprich and Enrenberg, *Symb. Phys. Mamm.*, 2 : K.

3.1.1. *Suncus murinus* (Linnaeus, 1766), *Syst. Nat.*, 12th ed., 1 : 74.

*Common Name* (E) : Grey Musk Shrew.

HB  $\pm$  150 mm; TL  $\pm$  80 mm; body covered with soft, grey fur; snout long and pointed; eyes small; ears rounded; feet and tail sparsely clad with hairs.

*Distribution* : Southeast Asia including India, extending West to Africa.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 304	-	-	-	-	-	ME

## 3.2. Family ERINACEIDAE

1866. *Hemiechinus* Fitzinger, *Sitzb. Math-Nat. K. Akad. Wiss.*, 1 : 565.

3.2.1. *Hemiechinus auritus* (Gmelin, 1770). *Nova Comm. Acad. Sci. Petrop.*, 14 : 519.

*Common Name* (E) : Long eared Hedgehog

HB 150 - 180 mm; TL about 25 mm; pig like snout; body stout and clumsy, covered with dense mat of spines; tail short; ears long; eyes well-developed; legs stumpy with strong claws; very dark brown fur on the head and underparts.

*Distribution* : North Africa, Israel to northwestern India and northern China.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 305	-	-	-	-	-	ME

1758. *Erinaceus* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 52

3.2.2. *Erinaceus europaeus* Linnaeus, 1758, *Syst. Nat.*, 10th ed., 1 : 52

*Common Name* (E) : European Hedgehog

Characterised by an armature of spines all over the back and sides, which can be erected by powerful skin muscles; the belly, legs and head which may be either naked or hairy; teeth

number 36, pointed or cusped; colour yellowish grey.

*Distribution* : Europe and W. Siberia, Shensi (China) east to Western and Southern Korea, Manchuria and adjacent Siberia.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 306	-	-	-	-	-	ME A.S.B.

#### 4. Order SCANDENTIA

Shrew like snout and squirrel like ears, body, limbs and tail; first digit can be opposed to the others; placenta discoidal; litter size not more than two and number of teats four.

##### 4.1. Family TUPAIIDAE

1821. *Tupaia* Raffles, *Trans. Linn. Soc. Lond.*, 13 : 256.

4.1.1. *Tupaia glis* (Diard, 1820). *Asiat. J. Mon. Reg.*, 10 : 478.

*Comon Name* (E) : Malay Tree Shrew

HB 180-200 mm; TL 200 - 230 mm; grizzled brown or ferrugineous above; throat and underparts buffy.

*Distribution* : From Sikkim India and southern China to southeast Asia, including Hainan Isl., to Java, Borneo and adjacent islands.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 309	-	-	-	-	-	ME

4.1.2. *Tupaia nicobarica* (Zelevor, 1869). *Reise Oesterr. Fregatte Novara, Zool.* (Wirbelthiere), 1 (Saugeth) : 17, pl. 1.

*Common Name* (E) : Nicobar Tree shrew

Both HB and TL  $\pm$  200 mm; greyish above and pale yellow below.

*Distribution* : Great and Little Nicobar Islands of India.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 329	21299	South Bay, Great Nicobar	14th July 1984	S.S. Saha ZSI	♀	ME

### 5. Order EDENTATA

The order includes anteaters, sloths and armadillos of which only anteaters lack the teeth but jaws of sloths and armadillos carry molars; however all living edentates lack the incisors and canines.

#### 5.1. Family DASYPODIDAE

1758. *Dasyus* Linnaeus, *Syst. nat.*, 10th. ed., 1 : 50

5.1.1 *Dasyus novemcinctus* Linnaeus, 1758. *Syst. Nat.*, 10th. ed., 1 : 51

*Common Name* (E) Nine-banded Armadillo

HB 370 - 430 mm; body broad and depressed, muzzle obtusely pointed and legs short; number of movable bands or plates usually nine but varies from 7 to 10; forefeet having four toes.

*Distribution* : Kansas and South Carolina (USA) and from Mexico to South America.

Sl.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll. /donation	Coll./ Donor	Sex	Remarks
1	GRM 301	-	-	-	-	-	ME
2.	GRM 302	-	-	-	-	-	Mt. Skeleton

1830. *Euphractus* Wagler, *Naturliches Syst. Amphibien*, P. 36.

5.1.2. *Euphractus sexcinctus* (Linnaeus, 1758). *Syst. Nat.*, 10th ed., 1 : 51.

*Common Name* (E) : Six banded Armadillo.

HB 370 - 430 mm; pointed and flattened head; six to eight movable bands and five-toed forefeet.

*Distribution* : South Surinam, Brazil, Uruguay, northern Argentina, Paraguay and southeastern Bolivia.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 303	-	-	-	-	-	ME

1889. *Zaedyus* Ameghino, *Acta Acad. Nac. Cienc. Cordoba*, 6 : 867

5.1.3. *Zaedyus pichiy* (Desmarest, 1804). *Tabl. Meth. Hist. nat.* in *Nouv. Dict. Hist. nat.*, 24 : 28.

*Common Name* (E) : Pichy

HB ± 400 mm; TL ± 150 mm; head shield and body carapace dark brown, with yellow or whitish lateral edges; underparts covered with coarse, yellowish white hairs.

*Distribution* : Mendoza, San Luis, Buenos Aires, South to Rio Santa cruz (Argentina); Andean grasslands in Chile, South to Strait of Magellan.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 324	-	-	-	-	-	ME

## 5.2. Family MYRMECOPHAGIDAE

1758. *Myrmecophaga* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 35.

5.2.1. *Myrmecophaga tridactyla* Linnaeus, 1758. *Syst. Nat.*, 10th ed., 1 : 35.

*Common Name* (E) : Giant Anteater

Largest among the anteaters, length including the tail about 2 m; body narrow with long tubular snout; eyes and ears small; long, extensible tongue; tail bushy; colour grey with diagonal black stripe with white borders.

*Distribution* : South Belize and Guatemala to South America; West of Andes to northwestern Ecuador; east of Andes to Columbia and Venezuela, south to the Gran Chaco (Bolivia, Paraguay, Argentina) on the west and Uruguay on the east.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1	GRM 312	-	-	-	-	-	ME

1825. *Tamandua* Gray, *Ann. Philos.*, 10 : 343.

5.2.2. *Tamandua tetradactyla* (Linnaeus, 1758). *Syst. Nat.*, 10th ed., 1 : 35.

*Common Name* (E) : Tamandua

Long cylindrical snout; eyes and mouth small; conspicuously projecting ears; body covered with short, dense, coarse, cream coloured to brownish hairs; a black band present between the fore and hindlimbs which continues around the neck; body length including tail, a little more than a metre.

*Distribution* : East to Andes from northern south America, south to Paraguay, northern Argentina Uruguay and Trinidad.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 311	-	-	-	-	-	ME

### 5.3. Family BRADYPODIDAE

1758. *Bradypus* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 34.

5.3.1. *Bradypus tridactylus* Linnaeus, 1758. *Syst. Nat.*, 10th ed., 1 : 34

*Common Name* (E) : Three toed Sloth

Long haired with short and rounded head, truncated snout, inconspicuous ears and forwardly directed eyes; arms longer than legs; both hands and feet have three closely united toes, each terminating in a long hook like claw; tail short, stout and blunt.

*Distribution* : Bolivar and T. F. Amazonas (South Venezuela) ; forests of Guianas, south to the Amazon and the Rio Negro rigers.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1	GRM 300	-	-	-	-	-	ME

## 6. Order CHIROPTERA

Only mammal with wings and power of true flight; wing membranes, attached to the limbs and the tail; thumb clawed and not included in the membranous wing, and used for clinging purpose; at rest, suspend themselves upside down with the help of claws of their hind feet.

## 6.1. Family PTEROPODIDAE

1824. *Cynopterus* F. Cuvier, *Des Dentes des mammiférés*, P. 248.

6.1.1. *Cynopterus sphinx* (Vahl, 1797). *Skr. Nat. Selsk.* Copenhagen, 4 (1) : 123

*Common Name* (E) : Short-nosed fruit bat.

HB 70 - 127 mm; TL 6 - 15 mm; forearm length 55 - 92 mm; wingspan 305 - 457 mm; colour variable but usually in shades of olive brown; fur dense; prominent and almost tubular nostrils; upper lip divided by a deep vertical groove.

*Distribution* : Sri Lanka, India, S. China, SE Asia, Malay, Sumatra, Java, Timor and adjacent small Islands.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 308	-	-	-	-	-	ME

1777. *Pteropus* Erxleben, *Syst. Anim.*, P. 130

HB 170-406 mm; forearm 85 - 228 mm; wingspan 610 - 1700 mm; no tail; colour varies from greyish brown to black with yellow or greyish yellow shoulder.

6.1.2. *Pteropus poliocephalus* Temminck, 1825. *Monogr. Mamm.*, 1 : 179

*Common Name* (E) : Australian Flying Fox.

*Distribution* : E Australia, from Cape York to Victoria.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 345	-	-	-	-	♂	ME
2.	GRM	-	-	-	-	♂	ME

	346						
3.	GRM 347	-	-	-	-	♀	ME
4.	GRM 348	-	-	-	-	♀	ME

6.1.3. *Pteropus giganteus* (Brunnich, 1782). *Dyrenes Historie*, 1 : 45

*Common Name* (E) : Indian Flying Fox

*Distribution* : India including Andaman Isls., Maldive Isls., Sri Lanka, Pakistan, Myanmar, Tsinghai (China)

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 327	21230	Sulka para Jalpaiguri West Bengal	21 Sept 1983	S.Chakraborty	♂	ME

6.1.4. *Pteropus melanotus* Blyth, 1863. *Cat. Mamm. Mus. Asiat. Soc.* Calcutta, P. 20.

*Common Name* (E) : Nicobar Flying Fox.

*Distribution* : Andaman and Nicobar Isls. (India) Engano and Nias Isls. (W. Sumatra), Christmas Isl.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1	GRM 307	-	Nicobar Isls.	25 Oct.1878	Stoliczka	-	ME

7. Order PHOLIDOTA

HB length varies from 300 - 880 mm; TL length varies from 350 - 880 mm; body covered with scales; snout long; scales are lacking on the snout, chin, sides of the face, throat, belly and inner surfaces of the limbs; colour varies from pale olive and yellowish brown to dark brown; hairs of scaleless areas, pale brown to russet, blackish or whitish.

## 7.1. Family MANIDAE

1758. *Manis* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 36.7.1.1. *Manis javanica* Desmarest, 1822. *Encyclop. Method. Mamm.*, 2 : 377.*Common Name* (E) : Malayan Pangolin*Distribution* : Myanmar, Thailand Vietnam, Laos, Kampuchea, Sumatra, Java, Borneo, SW Philippines and adjacent small Isls.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 284	-	Arakan	1844	Col. Phayre	-	Mounted juvenile

7.1.2. *Manis pentadactyla* Linnaeus, 1758. *Syst. Nat.*, 10th. ed, 1 : 36.*Common Name* (E) : Chinese Pangolin*Distribution* : Nepal to southern China, Hainan Isl. (China), Vietnam, Laos, and Taiwan.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 310	-	-	-	Purchased	-	ME

## 8. Order CARNIVORA

Flesh eating mammals; canine teeth strong; a pair of carnassial teeth present on each side for shearing the flesh.

## 8.1. Family URSIDAE

A big head, with protruding snout and small eyes; ears rounded; thickset limbs with inturned paws and long claws.

1758. *Ursus* Linnaeus, *Syst. Nat.*, 10th ed, 1 : 47.8.1.1. *Ursus maritimus* Phipps, 1774. A voyage towards North Pole, P. 185.*Common Name* (E) : Polar Bear

HB 2000 - 2500 mm; TL 76 - 127 mm; shoulder height upto 1600 mm; colour pure white or

a little yellowish in summer; neck longer than that of other bears and head relatively small and flat.

*Distribution* : Arctic coasts, including islands of Eurasia and North America.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 83	10600	-	-	Zoo Garden, Kolkata	-	ME

8.1.2. *Ursus arctos* Linnaeus, 1758. *Syst. Nat.*, 10th. ed, 1 : 47.

*Common Name* (E) : Brown or Grizzly Bear

HB 1700 - 2800 mm; TL 60 - 210 mm; shoulder height 900 - 1500 mm; colour usually dark brown but varies from cream to almost black; prominent hump present on the shoulder; pelage long.

*Distribution* : Western Europe and Palestine to eastern Siberia and Himalayan region, Atlas Mountains of northwestern Africa, Hokkaido, Alaska to Hudson Bay and northern Mexico.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 87	10982	-	-	Zoo Garden, Kolkata	-	Mt. Skeleton
2.	GRM 86	10523	-	-	Zoo Garden, Kolkata	-	ME

8.1.3. *Ursus thibetanus* G. Cuvier, 1823. *Rech. Oss. Foss.*, *Nouv. ed.* 4 : 325.

*Common Name* (E) : Asiatic Black Bear

HB 1200 - 1800 mm; TL 65 - 106 mm; compact build; coat colour black, muzzle brown, chin buff and breast with a 'V' shaped mark; claws black.

*Distribution* : Afghanistan, Pakistan, Iran, northern India (Himalayan region), Myanmar, Thailand, Vietnam, Laos, Kampuchea, China, Manchuria, Korea, extreme southeastern Siberia, Japan, Taiwan, Hainan.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 84	-	-	-	Purchased	-	ME

2.	GRM 85	-	-	-	Purchased	-	ME (Baby)
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1793. *Melursus* Meyer, *Zool. Entdeck.*, P. 155..

8.1.4. *Melursus ursinus* (Shaw, 1791) *Nat. Misc.*, 2 (unpaged) pl. 58.

*Common Name* (E) : Sloth Bear

HB 1400 - 1800 mm; TL 100 - 125 mm; shoulder height 610 - 915 mm; heavy body; elongated muzzle; long mobile lips; stocky hindlegs and ivory-white long claws on the forefeet; body covered with long, coarse, blackish brown hairs, with a whitish 'V' shaped breast patch.

*Distribution* : India, Nepal, Bangladesh and Sri Lanka.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 88	11793	-	-	Zoo Garden, Kolkata	-	ME

N.B. Honacki (1982) retain the old generic name *Melursus* instead of *Ursus*. Walker (1983) put it under the genus *Ursus*.

1825. *Helarctos* Horsfield, *J. Zool. Lond.*, 2 : 221

8.1.5. *Helarctos malayanus* (Raffles, 1821) *Trans. Linn. Soc. Lond.*, 13 : 254.

*Common Name* (E) : Malayan Sun Bear

HB 1000 - 1400 mm; TL 30 - 70 mm; smallest bear, shoulder height  $\pm$  700 mm; colour black with a whitish or orange breastmark; greyish or orange muzzle and occasionally pale coloured feet; muzzle short; paws large and claws strongly curved and pointed; soles naked.

*Distribution* : Myanmar, Thailand, Vietnam, Sumatra, Borneo, northeastern India, Malaysia, Yunnan and Szechwan (SW China).

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 275	10014	-	-	-	-	ME (Juvenile)

N.B. Honacki (1982) retain the old generic name *Helarctos*, Walker (1983) put it under the genus *Ursus*.

## 8.2. Family VIVERRIDAE

Body long; limbs short; elongate head with pointed muzzle and prominent whiskers; armed with a defensive device viz. stink glands, when in imminent danger, discharges a fluid which is repellent and nauseating in odour.

1824. *Arctictis* Temminck, *Monogr. Mamm.*, 1 : 21.

8.2.1. *Arctictis binturong* (Raffles, 1821) *Trans. Linn. Soc. Lond.*, 13 : 253.

*Common Name* (E) : Binturong

HB 610 - 965 mm; TL 560 - 890 mm; bear-like long, shaggy coat, tail long and thick; tufted ears; colour black, grizzled with white.

*Distribution* : Nepal, northeastern India, southern China, Myanmar, Malaysia, Indonesia and Palawan.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1	GRM 89	10046	-	-	Zoo Garden, Kolkata	-	ME
2.	GRM 119	-	-	12 Feb. 1874	W. Rutledge	-	Mt. Skeleton

1838. *Viverricula* Hodgson, *Ann. Mag. nat. Hist.*, (ser. 1), 1 : 52

8.2.2. *Viverricula indica* (Desmarest, 1804.) *Tabl. Meth. Hist. Nat. in Nouv. Dict. Hist. nat.*, 24 : 9, 17.

HB 450 - 630 mm; TL 300 - 340 mm; fur coarse and harsh; colour buffy, brownish or greyish; feet black; small spots upto forelimb, larger spots at the back, tending to run into longitudinal lines; six to eight dark stripes on the back; tail ringed with black and white, six to nine rings of each colour.

*Distribution* : Sri Lanka, Pakistan to southeastern China and the Malay Peninsula, Taiwan, Hainan, Sumatra, Java and Bali; introduced in Madagascar.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1	GRM 94	9049	-	-	-	-	ME

1758. *Viverra* Linnaeus, *Syst. Nat.*, 10th. ed, 1 : 43.

8.2.3. *Viverra zibetha* Linnaeus, 1758. *Syst. Nat.*, 10th. ed., 1 : 43.

*Common Name* (E) : Large Indian civet

8.2.4. *Viverra tangalunga* Gray, 1832. *Proc. zool. Soc. Lond.*, 1832 : 63

*Common Name* (E) : Oriental Civet

Size and coat colour almost overlapping in the two species. HB 585 - 950 mm; TL 300 - 482 mm; an erectile crest of long black hairs run down the centre of the back; colour greyish with black spots; sides of neck and throat marked with white stripes; usually three black and two white collars; tail banded with black and white.

*Distribution* : *V. zibetha* : Northern India, Vietnam, Nepal, Myanmar, Laos, Kampuchea, Malay Peninsula, north to Anhwei, Shensi, Chekiang and Kiangsu (SW China). *V. tangalunga* : Malaya, Sumatra, Rhio-Lingga Archipelago, Bangka Isl., Borneo, Karimata Isl., also introduced in many SE. Asian Isls.

*V. Zibetha* Linnaeus

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 335	21314	27 km E. of Miao, Tirap dist. Arunachal Pradesh.	24 Dec. 1983	Dr. S. Biswas	♀	ME

*V. tangalunga* Gray

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Doner	Sex	Remarks
1.	GRM 352	-	Malacca	1848	Rev. F.W. Lindstedt	-	ME ASB Cat no. 142 B.

1837. *Cynogale* Gray, *Proc. Zool. Soc. Lond.*, 1836 : 88.

8.2.5. *Cynogale bennettii* Gray, 1837. *Proc. zool. Soc. Lond.*, 1836 : 88 (1837)

*Common Name* (E) : Otter Civet

HB 575 - 675 mm; TL 130 - 205 mm; otter like appearance; underfur close, soft and short,

colour pale buff near the skin and shades to dark brown or almost black at the tip; longer, coarse guard hairs partially grey, which gives a frosted or speckled effect on the head and body; under side light brown and not speckled with grey; whiskers remarkably long and plentiful.

*Distribution* : Malay, Vietnam, Laos, Kampuchea, Sumatra, Borneo.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1	GRM 117	-	-	-	Zoo Garden Kolkata	♂	Mt. Skeleton
2.	GRM 118	-	-	-	- do -	♂	ME

1837. *Hemigalus* Jourdan, *C. R. Acad. Sci. Paris.*, 5 : 442

8.2.6. *Hemigalus derbyanus* (Gray, 1837). *Charlesworth's Mag. Nat. Hist.*, 1 : 579

*Common Name* (E) : Banded Palm Civet

HB 410 - 510 mm; TL 255 - 383 mm; colour whitish or orange buff, usually lighter or more buffy below; tail black; a narrow median dark streak extending from the nose to the nape; on each side a broader dark streak extending from the nose to the nape; on each side a broader dark stripe that encircles the eye and passes backward over the base of the ear; two broad stripes, sometimes more or less broken into shorter stripes or spots, run backward from the neck and curve downward to the elbow; behind these two more shorter stripes present; the back behind shoulders, marked with four or five broad transverse stripes separated by pale, usually narrower spaces and also two imperfect stripes at the base of the tail.

*Distribution* : Tenasserim, Malay Peninsula, Sumatra and certain small islands to the west of Borneo.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 122	-	Malacca	1843	M. De Storr	-	ME ASB Cat no. 147 A

1831. *Paguma* Gray, *Proc. Zool. Soc. Lond.*, 1831 : 95

8.2.7. *Paguma larvata* (C.E.H. Smith, 1827). In Griffith *et. al.* *Anim Kingd.*, 2 : 281.

*Common Name* (E) : Masked Palm Civet.

HB 508 - 762 mm; TL usually 508 - 636 mm; colour grey tinged with buff, orange and yellowish red; in facial region a mask like structure, which consists of a median white stripe from the top of head to the nose; white mark above and below the eye extended to the base of ear and below.

*Distribution* : From Jammu and Kashmir to Vietnam, Laos, Kampuchea and Malay Peninsula, much of eastern and southern China, Andaman Isls., Taiwan, Hainan, Sumatra and Borneo.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 95	-	-	-	Tytler		ME

1821. *Paradoxurus* F. Cuvier, In F. Cuvier and E. Geoffroy, *Hist. Nat. Mamm.*, 24 : 5

8.2.8. *Paradoxurus hermaphroditus* (Pallas, 1777). In Schreber, *Die Saugethiere*, 3 : 426.

*Common Name* (E) Common Palm Civet

HB 432 - 710 mm; TL 406 - 660 mm; fur coarse and long; blackish brown in colour; coat bears longitudinal stripes on the back; a white spot present below each eye; a large patch extending from above the eye to the base of the ears.

*Distribution* : Jammu and Kashmir and peninsular India to southeastern China and Malay Peninsula, Sri Lanka, Hainan, Sumatra, Java, Borneo, Philippines, Celebes and many small Islands of the East Indies.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 330	21300	Wangasara, Vizakhapat nam dist., Andhra Pradesh.	8 March 1985	S. S. Saha ZSI	♂	ME
2.	GRM 342	10033	Museum Compound	-	Annandale	-	ME
3.	GRM 342 A	-	- do -	-	- do -	-	ME

### 8.3. Family CANIDAE

Muscular body, having a well-shaped head, long pointed muzzle, large erect ears, long slender legs, a busy tail; five toes on forefeet and four on the hind.

1758. *Canis* Linnaeus, *Syst. Nat.*, 10th. ed., 1 : 38

8.3.1. *Canis lupus* Linnaeus, 1758. *Syst. Nat.*, 10th. ed., 1 : 39

*Common Name* (E) : Grey wolf

HB 900 - 1050 mm; TL 350 - 400 mm; colour variable - sandy fawn or grey coat stippled with black in the animals of plain; the same of Himalayas, with black or blackish coats; winter coats variegated with long, black and white or black and buff hairs and dense grey or bright buff underwool.

*Distribution* : Eurasia, except tropical forests of southeastern corner, Alaska, Canada, Greenland, United States except southeastern quarter and most of California, highlands of Mexico.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 99	10219	-	28 Feb. 1870	Purchased	♂	ME
2.	GRM 102	-	-	-	-	-	Mt.head
3.	GRM 343	-	-	-	-	-	Mt.head

8.3.2. *Canis aureus* Linnaeus, 1758. *Syst. Nat.*, 10th ed., 1 : 40

*Common Name* (E) : Jackal

HB 600 - 750 mm; TL 200 - 270 mm; coat colour variable with season and locality - a mixture of black and white washed with buff about the shoulders, ears and legs; Himalayan animals have more buff on their coats and a deeper tan on ears and legs.

*Distribution* : Balkan Peninsula to Thailand and Sri Lanka, Morocco to Egypt and northern Tanzania.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 100	-	Kolkata	-	-	-	Mt. Skeleton
2.	GRM	7450	-	-	Dr. A.R.S.	-	ME

	101				Anderson	
3.	GRM 339	-	Satapara, Puri Dist. Orissa	8 Dec. 1986	S. Chatto padhya, ZSI	♀

1821. *Vulpes* Bowdich, An analysis of the natural classification of Mammalia, P. 40.

8.3.3. *Vulpes bengalensis* (Shaw, 1800). *Gen. Zool. Syst. Nat. Hist.*, 1 (2) : 330

*Common Name* (E) : Indian or Bengal Fox.

HB 450 - 600 mm; TL 250 - 350 mm; pretty slender limbed animal, distinctive in the black tip of its tail. colour generally grey; backs of its ears are usually of the same tone as the head and nape, never jet-black; limbs rufous.

*Distribution* : India, Pakistan, Bangladesh, southern Nepal,

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 98	-	Kolkata	-	-	-	ME ASB Cat. no. 126A
2.	GRM 282	10036	-	-	Zoo Garden Kolkata	-	ME Baby

8.3.4. *Vulpes vulpes* (Linnaeus, 1758). *Syst. Nat.* 10th. ed., 1 : 40

*Common Name* (E) : Red Fox.

HB 455 - 900 mm; TL 300 - 555 mm; typical colouration ranges from pale yellowish red to deep reddish brown on the upper parts, and white, ashy or slaty on the underparts; lower part of the legs usually black; tail generally tipped with white or black.

*Distribution* : Eurasia except southeastern tropical zone, northern Africa, most of Canada and the United States.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 96	-	Gilgit	-	V. M. Giles	-	ME
2.	GRM 97	-	-	-	-	-	ME

## 8.4. Family HERPESTIDAE

1811. *Herpestes* Illiger, *Prodr. Syst. Mamm. et Avium*, P. 1358.4.1 *Herpestes edwardsi* (E. Geoffroy, 1818). *Descrip. de L' Egypte*, 2 : 139.*Common Name* (E) : Common Mongoose

HB length 230-650mm; TL length 230-510mm; a tawny yellowish grey mongoose, with no stripes on the sides of neck; body long with short limbs, pointed nuzzle, inconspicuous ears and a trailing white - tipped tail.

*Distribution* : Eastern Arabia to Nepal, India and Sri Lanka.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 92	158	Assam	11 Jan. 1869	H.P. Vierre	-	ME
2.	GRM 93	-	-	-	-	-	ME ASB Reg. no. 163D
3.	GRM 326	21232	Chilapata Jalpaiguri dist, W.B.	21 Sept. 1983	S. Chakra-borty	♀	ME Juv.

## 8.5. Family MUSTELIDAE

1825. *Arctonyx* F. Cuvier, *Hist. Nat. Mamm.*, 3 (51), pl. and 2 pp. text.8.5.1. *Arctonyx collaris* F. G. Cuvier, 1825. In E. Geoffroy Saint Hilaire and F.G. Cuvier, 3, 5 (51), "Bali Saur", pl. and 2 pp. text.*Common Name* (E) : Hog Badger

HB 550 - 700 mm; TL 120 - 170 mm; squat bearlike body, with stumpy legs, long powerful claws and long, mobile snout; coat-colour, a mixture of black and white, with pale throat and dark stripe on the cheek.

*Distribution* : Widespread in China, ranges from northeastern India and Myanmar to Vietnam, Laos, Kampuchea, Thailand, Sumatra and probably Perak in Malaya.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 90	10601	-	-	Zoo Garden Kolkata	-	ME

1780. *Mellivora* Storr, *Prodr. Meth. Mamm.*, P. 34. tabl. A.

8.5.2. *Mellivora capensis* (Schreber, 1776) *Die Saugethiere*, 3 (18) : pl. 125, text, 1777, 3 (26) : 450

*Common Name* (E) : Honey Badger

HB 600 - 770 mm; TL 200 - 300 mm; upper parts, from the top of the head to the base of the tail, vary from grey to pale yellow or whitish, and contrast sharply with the dark brown or black of the underparts; body heavily built; legs and tail relatively short; ears small; muzzle blunt; forefeet large and armed with very large and strong claws.

*Distribution* : From Nepal, eastern India and Turkmenia west to the Mediterranean, south to south Africa.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 91	9182	Khurda, Orissa	-	R.G.A. Hamah	-	ME
2.	GRM 121	-	-	-	Sir Walter Elliot	-	Mt. Skeleton

### 8.6. Family FELIDAE

1828. *Acinonyx* Brookes, *Cat. Anat. Zool. Mus. J. Brooks, Lond.*, P. 16, 33.

8.6.1. *Acinonyx jubatus* (Schreber, 1775). *Die Saugethiere* 2 (15) pl. 105[text 3 (22) : 392, 1777].

*Common Name* (E) : Hunting Leopard or Cheetah

HB 1120 - 1500 mm; TL 600 - 800 mm; coat colour of upper parts tawny to pale buff or greyish white; underparts paler, often white; pelage marked by solid black spots set quite close together; a black stripe extends from the eye to the mouth of each side; feet like those of dogs; claws blunt, lack sheaths and partially retractile.

*Distribution* : Iran to northeastern Arabia; widespread in Africa except Sahara. Formerly found in India but now extinct.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 103	-	-	1857	E. Blyth	-	Mt. Skeleton ASB Cat.no. 141 C.
2.	GRM 104	7611	Central Province- Madhya Pradesh (India)	Purchased from R. Ward and Co.	-	-	ME

1816. *Panthera* Oken, *Lehrb. Zool.*, 3 (2) : 1052

8.6.2. *Panthera leo* (Linnaeus, 1758). *Syat. Nat.*, 10th ed., 1 : 41.

*Common Name* (E) : Lion

In male HB 1700 - 2500 mm and TL 900 - 1050 mm; in female HB 1400 - 1750 mm and TL 700 - 1000 mm; coat sandy grey to tawny yellow without any markings on it, dark shaggy mane around the neck and shoulder, in male; a long tassel of hairs present at the end of the tail.

*Distribution* : Subsaharan Africa (Except tropical rainforests); Gir Forest of Gujarat in western India.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 138	10971	-	-	Zoo Garden Kolkata	♀	ME Young
2.	GRM 139	10988	-	-	- do -	-	ME
3.	GRM 140	-	-	-	-	-	Mt. head
4.	GRM 272	-	-	-	Zoo Garden Kolkata	-	Mt. baby

8.6.3. *Panthera tigris* (Linnaeus, 1758). *Syst. Nat.*, 10th ed., 1 : 41

*Common Name* (E) : Tiger

HB 1400 - 2800 mm; TL 600 - 950 mm; the coat colour of the upper parts ranges from reddish orange to reddish ochre; underparts creamy to white; the head, body, tail and limbs have a series of narrow black, grey or brown stripes on the flanks, the stripes generally run in a vertical direction.

*Distribution* : Southeastern Siberia, India except northwestern portion, Bangladesh, Nepal, Myanmar, eastwards to Vietnam and southeast to Malaysia and Indonesia.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 135	10037	Bardhaman dist.	-	Samasundari Devi donated in her husband's name Ranewas Mahali Honbl. Magistrate of Howrah.	-	ME
2.	GRM 136	7932	-	-	-	♀	ME Young
3.	GRM 353	10874	Rewa State M.P.	1 Sept. 1924	Thakur Jaswabant Singh	-	Albino Variety ME
4.	GRM 137	12381	-	-	-	-	Mt. Skeleton
5.	GRM 271	-	-	26 Aug. 1974	Zoo Garden, Kolkata	-	ME Cub
6.	GRM 328	-	-	-	- do -	-	ME

8.6.4. *Panthera pardus* (Linnaeus, 1758). *Syst. Nat.* 10th ed., 1 : 41.

*Common Name* (E) : Leopard or Panther

HB 910 - 1910 mm; TL 580 - 1100 mm; coat-colour ranges from pale straw and grey buff to bright fulvous, deep ochre and chestnut; underparts white; coat marked with small closeset-black resettes.

*Distribution* : Africa and Asia except the high Tibetan plateau and Siberia.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 105	10052	Bengal	7 March 1869	Barrackpore Menagerie	-	ME
2.	GRM 134	10877	-	-	-	-	ME Black Variety
3.	GRM 337	21312	-	5 Aug. 1985	Zoo Garden Kolkata	♀	ME Black Variety
4.	GRM 280	10170	-	-	- do -	-	ME Baby

N. B. Black panthers are only the melanistic form of this species.

#### 8.6.4A. *Panthera tigris* ♂ X *Panthera leo* ♀

*Common Name* (E) : Tigon

Colour yellowish brown with black stripes on the body.

*Comment* : A hybrid

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1	GRM 270	-	-	-	Donated by Zoo Garden Kolkata	-	ME Baby

1854. *Uncia* Gray, *Ann. Mag. Nat. Hist.*, Ser. 2, 14 : 394.

8.6.5. *Uncia Uncia* ( Schreber, 1775). *Die Säugethiere.*, 2 (14) pl, 100; [text, 3 (22) : 386-7, 1777]

*Common Name* (E) : Snow Leopard or Ounce

HB 1000 - 1300 mm; TL 800 - 1000 mm; coat colour varies from pale grey to creamy smoke grey; underparts whitish; solid spots, marked on the head, neck and lower limbs, and on the back, side and tail large rings or rosettes that often enclose some small spots. The coat is long and thick and head relatively small

*Distribution* : Mountains of Central Asia from Altai through the Tien Shan and Pamir Ranges to Afghanistan, Jammu and Kashmir, Nepal and parts of China.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 113	-	-	-	-	-	ME

1858. *Prionailurus* Severtzov, *Rev. Mag. Zool*, Paris, Ser. 2, 10 : 387.

8.6.6. *Prionailurus viverrinus* (Bennett, 1833). *Proc. zool. Soc. Lond.*, 1833 : 68.

*Common Name* (E) : Fishing Cat.

HB 750 - 860 mm; tail less than half of the head and body length, ranging from 255 - 330 mm; colour grizzled grey, sometimes tinged with brown; body markings consists of a series of elongate spots arranged in more or less longitudinal rows; six to eight dark lines run from the forehead over the crown on to the neck; tail distinctly ringed with black.

*Distribution* : India, Sri Lanka, Nepal, Bangladesh, eastwards to Vietnam and southeast to Indonesia.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 106	10038	Tollygunge, Kolkata, West Bengal	12 March 1915	Purchased	-	ME

8.6.7. *Prionailurus bengalensis* (Kerr, 1792). In Linnaeus *Anim. Kingdom*, 1 : 151.

*Common Name* (E) : Leopard Cat

HB 445 to 1070 mm; TL 230 to 440 mm; colour variable, coat mostly pale tawny to yellowish above and white below, ornamented throughout with black or brownish spots; four distinct bands run from the crown over the neck.

*Distribution* : Lower Amur (E. Siberio) through Korea and NE China and most of the Oriental region west to Baluchistan and southeast to Taiwan; Philippine Isls., Java, Bali and Borneo.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 125	6701	-	-	-	-	ME
2.	GRM 126	-	-	-	Mr. Jerkins	-	ME ASB Cat. no. 18N
3.	GRM 343	-	Yuksum, West Sikkim, alt., 5840 ft.	-	S.Chattopadhyya	-	ME

1858. *Catopuma* Severtzov, *Rev. Mag. zool.* Paris. Ser. 2, 10 : 387.

8.6.8. *Catopuma temminckii* (Vigors and Horsfield, 1827). *Zool. J.*, 3 : 451.

*Common Name* (E) : Golden Cat

HB 730 - 1050 mm; TL 430 - 560 mm; coat golden brown to dark brown, without any trace of pattern on it; faint stripes present on the shoulders, flanks and face, most conspicuous being a horizontal white cheek stripe running from below the eye to behind the nape; under side of the terminal third of the tail white; ears short and rounded.

*Distribution* : Tibet, Nepal, Sikkim to eastern India, Bangladesh, Myanmar, eastwards to Vietnam and southern China.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 111	10990	-	-	Zoo Garden Kolkata	-	ME
2.	GRM 112	-	-	-	-	-	ME
3.	GRM 128	-	-	-	Zoo Garden Kolkata	-	ME

1758. *Felis* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 41

8.6.9. *Felis chaus* Schreber, 1777. *Die Säugethiere*, 2 (13); pl. 110. B (1777); text, 3 (24), 414 (1777)

*Common Name* (E) : Jungle Cat.

HB 500 - 750 mm; TL 250 - 290 mm; long legs and comparatively short tail distinguish it from other cats; coat sandy grey to yellowish grey above, and paler beneath; vestiges of stripes on the under surface and flanks; tail ringed with black and has a black tip.

*Distribution* : Egypt to the Volga delta, east to Sinkiang, Tibet, Szechwan, Yunnan (China) and through India to Thailand, Vietnam and Sri Lanka.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 129	10006	-	-	-	♂	Mt. Skeleton
2.	GRM 130	-	Kolkata	-	-	♂	ME ASB Cat no. 183 C/Type II
3.	GRM 317	-	-	-	Zoo Garden Kolkata	-	ME
4.	GRM 318	-	-	-	Zoo Garden Kolkata	-	ME Baby

*Felis* sp.

GRM no. 131. IT is a mounted exhibit of feral domesticated cat of India. Probably an ASB specimem, Type II.

1847. *Leopardus* Gray, *Ann. Mag. Nat. Hist.* (Ser. 1), 10 : 260

8.6.10. *Leopardus pardalis* (Linnaeus, 1758). *Syst. Nat.*, 10th ed., 1 : 42.

*Common Name* (E) : Ocelot.

HB 550 - 1000 mm; TL 300 - 450 mm; colour ranges from whitish or tawny yellow to reddish grey or grey; head with small black spots and two black stripes on each cheek; black bordered, elongated spots run obliquely on the sides of body; tail marked with blotches.

*Distribution* : Eastern Brazil, Paraguay, northern Argentina and Peru, north to Central Arizona and Texas (U. S. A.), Arkansas (CPG).

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 132	7376	-	-	-	-	ME

1792. *Lynx* Kerr, *Anim. Kingdom*, 1 : 155.

8.6.11. *Lynx lynx* (Linnaeus, 1758). *Syst. Nat.*, 10th ed., 1 : 43.

*Common Name* (E) : Lynx

HB 800 - 1300 mm; TL 110 - 245 mm; colour usually yellowish brown; the upper parts may have a grey frosted appearance; the underparts are more buffy and often patterned with dark spots; distinct ruff on the face, a long tuft of hairs on the tip of ears and a short black-tipped tail.

*Distribution* : From Scandinavia to eastern Siberia and northeastern China, Europe, Asia Minor through mountains of central Asia to Kashmir.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 127	-	-	-	University of Christiana	-	ME ASB Cat no. 189 B

1843. *Caracal* Grey, *List. Specimens Mamm. Coll. Brit. Mus.* P. 46

8.6.12. *Caracal caracal* (Schreber, 1776). *Die Säugethiere*. 3 (16) : pl. 110 (1776); text 3 (24) : 413, 587 (1777).

*Common Name* (E) : Caracal

HB 600 - 915 mm; TL 230 - 310 mm; colour reddish brown with white on the chin, throat and belly and a narrow black line from the eye to the nose; ears narrow, pointed, black on the outside, and adorned with black tufts up to 45 mm long; long slender body with tapering tail; without any ruff of hair around face.

*Distribution* : Steppe and savanna from Turkestan and NW. India to Egypt, Algeria and Morocco; subsaharan Africa in savanna zones.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 133	-	-	20.1.1876	W.Rutledge	-	ME

1867. *Neofelis* Gray, *Proc. zool. Soc. Lond.*, 1867 : 265.

8.6.13. *Neofelis nebulosa* (Griffith, 1821). *Descrip. Vert. Anim. (Carn.)*, P. 37, pl.

*Common Name* (E) : Clouded Leopard

HB 616 - 1066 mm; TL 550 - 912 mm; coat colour greyish or yellowish to earthy brown with dark markings in the form of circle, oval or rosettes; head spotted and face with cheek stripes; tail ornamented with rings.

*Distribution* : Nepal, Bhutan, northeastern India, Myanmar, eastwards to China, Vietnam, Hainan, Taiwan and southeast to Sumatra and Borneo.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 109	8413/ 6694	Sikkim	1843	B.H. Hodgson -	-	ME ASB Cat. no. 175 A Sclater's Cat. no. e

#### 8.7. Family PROCYONIDAE

1795. *Potos* E. Geoffroy and F.G. Cuvier, *Mag. Encyclop.*, 2 : 187.

8.7.1. *Potos flavus* (Schreber, 1774). *Die Saugethiere*. 1 (9) ; 42 (1774); text, p. 187 (189) (index) (1774).

*Common Name* (E) : Kingkajou

HB ± 405 - 760 mm; TL 392 - 570 mm; upper parts and upper surface of the tail, tawny olive, yellow tawny or brownish; some individuals have a black middorsal line; the underparts and undersurface of the tail tawny yellow, buff or brownish yellow; muzzle dark brown to blackish; rounded head; blunt snout; greatly extensible tongue and short, sharp claws.

*Distribution* : From southern Tamaulipas in eastern Mexico to the Mato Grosso of central Brazil.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 116	-	-	-	-	-	ME

1825. *Ailurus* F. G. Cuvier, *Hist. Nat. Mamm.*, pt. 3, 5 (50) : 3.

8.7.2. *Ailurus fulgens* F. G. Cuvier, 1825. *Hist. Nat. Mamm.*, pt. 3, 5 (50) : 3.

*Common Name* (E) : Lesser Panda

HB 510 - 635 mm; TL 280 - 485 mm; coat long and soft; tail bushy; colour of upperparts rusty to deep chestnut, being darkest along the middle of the back; tail inconspicuously ringed; small dark coloured eye patches; muzzle, lips, cheeks and edges of the ears, are white; colour of back of ears, limbs and underparts dark reddish brown to black; head round, ears large and pointed; feet have hairy soles and claws semiretractile.

*Distribution* : Nepal, Sikkim, northern Myanmar, Yunnan and Szechwan in south central China.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 107	-	-	-	Zoo Garden Kolkata	-	ME
2.	GRM 108	-	-	-	Zoo Garden Kolkata	-	ME
3.	GRM 120	12744	-	-	-	-	ME

1780. *Nasua* Storr, *Prodr. Meth. Mamm.*, P. 35, tabl. A.

8.7.3. *Nasua nasua* (Linnaeus, 1766). *Syst. Nat.*, 12th ed., 1 : 64.

*Common Name* (E) : Ring tailed Coati

HB 410 - 670 mm; TL 320 - 690 mm; muzzle long and pointed; short forelegs, long hindlegs; long tapering tail, nearly as long as the body; colour reddish brown to black above and yellowish to dark brown beneath; tail banded.

*Distribution* : Southern Arizona, Mexico, and South America (except Chile)

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 123	9937	-	-	-	-	ME
2.	GRM 124	10747	-	-	Zoo Garden Kolkata	-	ME

#### 8.8. Family HYAENIDAE

1771. *Hyaena* Brunnich, *Zool. Fundamenta*, p. 34, 42, 43.

8.8.1. *Hyaena hyaena* (Linnaeus, 1758). *Syst. Nat.*, 10th ed., 1 : 40.

*Common Name (E) : Striped Hyena*

HB 1036 - 1190 mm; TL 265 - 470 mm; dog - like in built, massive head and forebody; weak hindquarters and a prominent dorsal crest; coat-colour cream, buff, grey to pale brown; dark brown to black stripes on the body and legs; length of hairs of the mane ranges upto 200 mm, while those of the rest of the body about 70 mm; each front and hind foot has four digits.

*Distribution* : Northern and eastern Africa, south to Tanzania; Asia Minor to Arabia, Iran, Transcaucasia, Turkmenia, India and Nepal.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 114	-	North West of Benares, India	24 Jan. 1870	Purchased	-	ME Sclater's Cat no. 'd'
2.	GRM 115	-	-	-	E. Blyth	-	Mt. Skeleton

## 8.9. Family PHOCIDAE

1858. *Phoca* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 37.

8.9.1. *Phoca vitulina* Linnaeus, 1758. *Syst. Nat.* 10th ed., 1 : 38.

*Common Name (E) : Harbour Seal*

HB 1300 - 2000 mm; fore-flippers smaller than the hind; eyes prominent; eyebrows well-developed; external ears absent; vibrissae in the mustache beaded; body covered with short, stiff, coarse hairs, without underfur; colour varies from silver grey to dark brown, flecked all over with brown spots or markings, palms and soles hairy.

*Distribution* : Northern Atlantic Ocean, North Sea, Baltic Sea, Arctic Ocean and northern Pacific.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 71	-	Northeast Atlantic shore	-	Purchased	-	ME
2.	GRM 72	-	-	-	-	-	Mt. Skeleton

8.9.2. *Phoca groenlandica* Erxleben, 1777. *Syst. Regn. Anim.*, 1 : 588.

*Common Name* (E) Harp Seal

*Distribution* : N. Atlantic and Arctic Oceans from E. Canada to the White Sea (U.S.S.R.).

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 279	-	Jun Mayen Island Arctic Sea	-	Stavanger Museum by exchange	-	Mt. Skeleton

8.9.3. *Phoca hispida* Schreber, 1775 *Die Saugethiere*. 2 (13) : pl. 86 (1775); text. 3 (17) : 312 (1776)

*Common Name* (E) : Ringed Seal

One of the smallest pinniped, HB 1400 mm; on average; body structure almost like *P. vitulina*; colour variable, back streaked and marbled with black; white spots with dark centres commonly present; underparts whitish.

*Distribution* : Arctic Ocean, Okhotsk, Bering and Baltic Seas, Lakes Saimaa (Finland) and Ladoga (U.S.S.R.); Neltilling Lake, Baffin Isl. (Canada).

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 73	7735	Jun Mayen Isl. Arctic Sea	-	-	-	ME

1820. *Cystophora* Nilsson, *Skand. Faun. Dagg. Djur.*, 1 : 382

8.9.4. *Cystophora cristata* (Erxleben, 1777). *Syst. Regn. Anim.*, 1 : 590.

*Common Name* (E) : Hooded Seal

Stream-lined body; HB 2100 - 3500 mm; both sexes have a nasal hood or pouch, larger in male, which they inflate when annoyed, to form a brilliant red bladder; body bluish or dark grey above and lighter beneath; may have whitish or dark blotches on the sides; females paler in colour.

*Distribution* : North Atlantic and Arctic Oceans from Newfoundland (Canada) to southern Greenland, Svalbard and Navaya Zemlya (U.S.S.R.); occasionally south to Portugal and Florida (U.S.A.).

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 74	-	-	Jun Mayen Isl., Arctic Sea	-	-	ME

## 8.10. Family OTARIIDAE

1859. *Callorhinus* Gray, *Proc. zool. Soc. Lond.*, 1859 : 359.

8.10.1. *Callorhinus ursinus* (Linnaeus, 1758). *Syst. Nat.*, 10th ed., 1 : 37.

*Common Name* (E) : Alaska Fur Seal

HB length of adult bulls 1900 - 2100 mm; eyes large; external ears absent, like other seals, body fusiform, covered with thick short, backwardly directed hairs, neck short, limbs modified into paddles; flippers thick and cartilaginous, and surfaces also naked, smooth and leathery; claws small; body dark grey to brown above shoulders and foreneck grey and flippers and underparts reddish brown.

*Distribution* : North Pacific, in Okhotsk and Bering Seas; Commander and Pribilof Isls., south to Japan; Shantung (SW China) , and southern California (U.S.A.).

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 80	10465	-	-	Zoo Garden Kolkata	-	ME
2.	GRM 81	7658	North Pacific Ocean	-	Purchased from E. Gerard	-	ME
3.	GRM 82	-	-	-	-	-	Skull

## 8.11. Family ODOBENIDAE

1762. *Odobenus* Brisson, *Regn. Anim.*, 2nd ed., P. 30.

8.11.1. *Odobenus rosmarus* (Linnaeus, 1758). *Syst. Nat.*, 10th ed., 1 : 38.

*Common Name* (E) : Walrus

HB 3000 - 3700 mm; thick swollen body; rounded head; tough wrinkled, thinly haired skin; large tusks in both sexes; eyes small; external ears in form of wrinkle skin; a conspicuous

mostache consisting of about 400 bristles; no tail; fore-flippers oar-like and long; all flippers thick and cartilaginous, being thickest on the forward edge; palms and soles bare, rough and warty.

*Distribution* : Arctic seas; south as far as New England (U.S.A.), Great Britain, Scandinavia, Pribilof Isls. and Honshu (Japan) at least occasionally.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 75	-	-	-	-	-	ME
2.	GRM 76	-	-	-	-	-	Skull
3.	GRM 77	-	-	-	-	-	Skull
4.	GRM 78	-	-	-	-	-	Skull

## 9. Order PERISSODACTYLA

Number of toes in each foot usually odd, either one or three in number; of these, the third or middle toe of the foot is most prominent. These are further marked by having their molar and premolar teeth in one unbroken series, the posterior molars resembling the premolars in size and shape.

### 9.1. Family RHINOCEROTIDAE

1758. *Rhinoceros* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 56.

9.1.1. *Rhinoceros unicornis* Linnaeus, 1758. *Syst. Nat.*, 10th ed., 1 : 56

*Common Name* (E) : Great One-horned Rhinoceros.

HB 2100-4200 mm; TL 600 - 750 mm; the skin practically naked except for a fringe of stiff hairs around the ears and the tip of the tail; skin divided into large shields by heavy folds; fold in front of shoulders does not continue across the back of neck; skin studded with convex tubercles on the shoulders, thighs and buttocks; colour grey to black with a pinkish cast on the under-surface and on the margins of the skin folds; head large; short, tubular legs, small eyes and wide nostrils; a single horn on the nose which is composed of agglomerated mass of hair, solidly attached to a roughened patch of bone but has no firm attachment to the bones of the skull.

*Distribution* : West Bengal and Assam in India and Nepal.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 6	7806/ 19263	-	-	-	-	Skull with lower jaw 'ASB' Sclater's Cat. no. 'O'
2.	GRM 7	2735	Nepal Terai	1875	E.Barring	-	Skull with lower jaw Sclater's Cat.no. 'h'
3.	GRM 197	-	-	-	-	-	ME
4.	GRM 198	19262	-	-	-	-	Mt. Skeleton Sclater's Cat.no. 'e'
5.	GRM 353	-	-	-	-	-	Skull
6.	GRM 354	-	-	-	-	-	Skull

9.1.2. *Rhinoceros sondaicus* Desmarest, 1822, *Mammalogie*, 2 : 399.

*Common Name* (E) : Smaller One-horned Rhinoceros

Smaller than Great One-horned Rhinoceros; fold of skin in front of the shoulders carried right across the back; hide divided by cracks into small polygonal discs; a single horn, approximately 270 - 280 mm in length; colour grey to black.

*Distribution* : Formerly Myanmar, Bangladesh, Thailand, Laos, Kampuchia, Vietnam and probably S. China through Malay Peninsula to Sumatra and Java. Survives in Ujung Kulon (W. Java), and perhaps in small areas of Myanmar, Thailand, Laos and Kampuchia.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 8	17693	Java	1846	Batavian Society	-	Skull with lower jaw
2.	GRM 11	-	Sunderban	-	-	-	Mt. Young, last collected specimen from Sunderbans
3.	GRM 273	76	-	-	-	-	ME Baby

1841. *Dicerorhinus* Gloger, *Hand. Hilfsb. Nat.*, P. 125.

9.1.3. *Dicerorhinus sumatrensis* (Fischer. 1814). *Zoognosia*, 3 : 301.

*Common Name* (E) : Asiatic Two-horned Rhinoceros

Smallest living Rhinoceros; HB 2350 - 3200 mm; facial skin, characteristically wrinkled around the eye but the muzzle rounded and unwrinkled due to heavy keratinization; horn two in number, frontal horn often so inconspicuous that it appears to be single horned; posterior horn is generally short, the record length being 381 mm; the skin on the body, folded; body covered with reddish brown to black bristles; a single pair of lower incisors.

*Distribution* : Formerly Assam (India), Chittagong Hills (Bangladesh), Myanmar, Thailand and Vietnam south through Malay Peninsula to Sumatra; probably also S. China, Laos and Cambodia (Kampuchea); Borneo, Mergui Isl. Survives in Tenasserim Range (Thailand-Myanmar), Petchabun Range (Thailand); and other scattered localities in Myanmar, Malay Peninsula, Sumatra and Borneo.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 1	-	-	-	-	-	Mt. head
2.	GRM 2	-	-	-	-	-	Mt. head

3.	GRM 3	-	-	-	-	-	Mt. head
4.	GRM 4	2702	-	-	-	-	ME
5.	GRM 5	17691	Singapore	1875	W.Rutledge	-	Skull with lower jaw Sclater's Cat.no. 'a'

1821. *Diceros* Gray, *Lond. Med. Repos.*, 15 : 306.

9.1.4. *Diceros bicornis* (Linnaeus, 1758). *Syst. Nat.*, 10th ed., 1 : 56.

*Common Name* (E) : Black or African Hook - lipped Rhinoceros

HB 3000 - 3750 mm; TL about 700 mm; number of horns two, anterior horn is larger than posterior one, averaging about 500 mm in length; colour dark yellow brown to dark brown; upper tip protrudes slightly in the middle and its tip is prehensile.

*Distribution* : Formerly in suitable open habitats in Africa south of about 10°N from Chad, S. Sudan and N. Somalia and from Angola, south to Cape Province (S. Africa). Survives in reserves and relatively undisturbed areas in much of the northern three-quarters of its historic range, and in places, to South Africa.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 10	-	South Africa	-	-	-	Horn (length 860 mm) ASB
2.	GRM 12	10466	German E.Africa	-	E.W.Harper	♀	ME
3.	GRM 199	-	-	-	Purchased	-	Mt. Skeleton

1868. *Ceratotherium* Gray, *Proc. zool. Soc. Lond.*, 1867 : 1027.

9.1.5. *Ceratotherium simum* (Burchell, 1817). *Bull. Sci. Soc. Philom. Paris*, P. 97.

*Common Name* (E) White or African Square-lipped Rhinoceros.

Largest of all rhinoceros; HB 3600 - 5000 mm; colour yellowish brown to slaty grey; body necked except for ear fringes and tail bristles; hairs present in the skin but do not protrude;

anterior horn about 600 mm in length but can reach upto 1500 mm; square shaped upper lip; skin folds on the body less conspicuous; a shoulder lump present.

*Distribution* : Survives mostly as scattered populations in Reserves in South Africa, Zimbabwe, Uganda, Zaire and southern Sudan; formerly found in NW. Africa and lower Nile Valley but now extinct.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 9	-	South Africa	1846	Maj. W.S. Sherwill	-	Horn (length 640 mm) ASB

### 9.2. Family TAPIRIDAE

1772. *Tapirus* Brunnich, *Zool. Fundamenta*, pp. 44, 45.

9.2.1. *Tapirus indicus* Desmarest, 1819. *Nouv. Dict. Hist. Nat.*, 32 : 458.

*Common Name* (E) : Malayan Tapir

HB 1800 - 2500 mm; TL 50 - 100 mm; general form is rounded in back and tapering in front; snout and upper lip projected into a short fleshy proboscis; eyes small and flush with the side of head; ears oval, erect and not very mobile; front half of body and hind legs blackish and rear half above the legs white; four toes on forefoot and three on the hind.

*Distribution* : Myanmar, Thailand south to 18°N latitude, Malay Peninsula and Sumatra.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 13	10744	-	-	Zoo Garden Kolkata	-	ME
2.	GRM 277	10044	-	-	-	-	Mt. Baby

### 9.3. Family EQUIDAE

1758. *Equus* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 73

9.3.1. *Equus kiang* Moorcroft, 1841. *Travels in the Himalayan Provinces*, 1 : 312

*Common Name* (E) : Tibetan Wild Ass or Kiang

Size variable, usually measures from 1000 - 1500 mm high at the shoulder, tail moderately long, with the hair reaching at least to the middle of the leg, when hanging down; usually having a mane on the neck and a lock of hair on the forepart of the head, known as the forelock; only one functional digit, the third, the terminal digit bone, widened on each foot and evenly rounded; united radius and ulna where the ulna is greatly reduced in size; in the hind leg tibia greatly enlarged and reduced fibula, fused to the tibia.

*Distribution* : Populations exist in dry, intermontane basins of Ladakh, Sikkim (India); Tibet, Tsinghai, Szechwan (China) and adjacent Nepal.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 14	7934	Sikkim	-	A.Campbell	-	ME ASB Sclater's Cat.no. 'a'
2.	GRM 360	-	Tibet	1838	G.T. Lushin- gton	-	Skull ASB Cat. no. 446 D Sclater's Cat. no. C 'a'

### 9.3.2. *Equus onager* Boddaert, 1785. *Elench. Anim.*, p. 60.

*Common Name* (E) : Wild Ass.

*Distribution* : Formerly much of Central Asian republics (U.S.S.R.) north to upper Irtysh and Ural Rivers; westward north of the Caucasus and Black Sea at least to Dniestr River; and S.E. of Caspian Sea, Anatolia, N. Iraq, Iran, Afghanistan and Pakistan to Thar Desert of N.W. India; survives as isolated populations in the Rann of Kutch (India), Badkhy's Preserve, Turkmenia (U.S.S.R.); and central Iran; also reestablished on Barsa-Khelmes Isl. (Aral Sea) (U.S.S.R.).

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 361	-	Kandahar, Afghanistan	1859	H.B. Lumsden	-	Skull/ ASB Cat. no. 445 A Sclater's Cat. no. B 'a'

9.3.3. *Equus zebra* Linnaeus, 1758. *Syst. Nat.*, 10th ed., 1 : 74

*Common Name* (E) : Mountain Zebra

A little larger than wild Ass; HB 2000 - 2400 mm; TL 470 - 570 mm; shoulder height 1200 - 1400 mm; colour greyish with very broad black stripes all over the body that extend onto the legs but not onto the belly.

*Distribution* : Southern Africa

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 278	10980	-	-	-	-	ME Baby

## 10. Order ARTIODACTYLA

Third and fourth toes large, equal in size and form a symmetrical pair. This group includes, the largest number of living herbivores.

## 10.1. Family CERVIDAE

1758. *Cervus* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 66.

*Cervus elaphus* Linnaeus, 1758. *Syst. Nat.*, 10th ed., 1 : 67.

10.1.1. *Cervus elaphus hanglu* Wagner (Corbet, G. B. 1978. The mammals of the Palaearctic region : a taxonomic review. *Br. Mus. Nat. Hist.*) and (Cornell Univ. Press, London and Ithaca, N. Y., pp. 201. in pp. 314)

*Common Name* (E) : Kashmir Stag or Hangul

A large deer, HB length about 1900 mm and 1200 - 1270 mm high at the shoulder, having a pair of spreading antlers of 1120 - 1280 mm in length, with five or six tines in each; coat colour light to dark brown, with white rump patch; limbs paler; lips, chin and underparts whitish.

*Distribution* : Confined to the northern side of the valley of Jammu and Kashmir (Dachigham) and northern Chamba district of Himachal Pradesh.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 15	-	-	-	-	-	ME

10.1.2. *Cervus duvauceli* G. Cuvier, 1823. *Oss. Foss.*, 2nd ed., 4 : 505.

*Common Name* (E) : Swamp Deer or Barasingha

An adult stag stands 1350 mm at shoulder; average horns measure 750 mm round the curve with a girth of 130 mm at mid-beam; coat almost woolly in texture; shades from brown to yellowish brown; the stags are maned and darker in colour; summer coat of stags paler and some develop spots; usually 10 - 14 antler points, though these may be as many as 20.

*Distribution* : Northern and Central India, south western Nepal.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 16	10744	-	-	-	-	Mt. head with horns

#### 10.1.3 *Cervus unicolor* (Kerr, 1792) *Anim. Kingdom.* p. 300.

*Common Name* (E) : Sambar

Height at shoulder nearly 1500 mm; average length of horn 650 mm but it may attain length upto 950 mm; coat coarse and shaggy with a mane about the neck and throat in male; colour brown with yellowish or greyish tinge; antlers stout, brow tine set at an acute angle with the beam which forks into two nearly equal tines.

*Distribution* : India, Myanmar, Sri Lanka, extending eastwards through Malaysia to the Philippines and beyond.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 17	7482	-	-	Dr. A.R.S. Anderson	♂	ME
2.	GRM 19	-	-	-	-	-	ME Baby

#### 10.1.4 *Cervus eldi* M'Clelland, 1842. *Calcutta J. Nat. Hist.*, 2 : 417

*Common Name* (E) : Brow-antlered Deer or Thamin

Nearly 1200 mm high at the shoulder; coat colour dark brown in winter and yellowish brown in summer; females light fawn; outline of antlers (brow-tine and the beam) almost circular; terminal tines vary from two to ten.

*Distribution* : Eastern India, eastwards to Vietnam and Hainan. In India, about two dozen animals are confined to 26 km area of southern portion of Loktak Lake in Manipur.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 29	-	-	-	-	♀	ME

1815. *Muntiacus* Rafinesque, *Analyse de la nature*. p. 56.

10.1.5. *Muntiacus muntjak* (Zimmermann, 1780). *Geogr. Gesch. Mensch. Vierf. Thiere*. 2 : 131.

*Common Name* (E) : Barking Deer.

HB 800 - 1130 mm; TL 110 - 240 mm; shoulder height 450 - 580 mm; colour deep brown to yellowish or greyish brown and marked with creamy or whitish markings; antlers small, consisting of a short brow-tine and an unbranched beam, set on a bony pedicel which extends down each side of the face as a bony ridge; in males, upper canine well developed.

*Distribution* : India and Nepal to southern China and Malay Peninsula, Sri Lanka, Hainan, Sumatra, Java, Bali, Kangean Islands, Rhio Archipelago.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1	GRM 25	-	-	-	Zoo Garden Kolkata	♀	ME
2.	GRM 345	-	-	-	Marble Palace Purchased	♂	ME Baby
3.	GRM 26	10969	-	-	- do -	-	Mt. Skeleton

1827. *Axis* Hamilton Smith.

10.1.6. *Cervus axis* Erxleben, 1777. *Syst. Regn. Anim.*, 1 : 312.

*Axis axis* Erxleben

*Common Name* (E) : Spotted Deer or Chital

HB 1000 - 1750 mm; TL 128 - 360 mm; shoulder height 600 - 1000 mm; coat colour bright rufous fawn, spotted with white; antlers three-tined; a long brow-tine set at right angles to the beam.

*Distribution* : Sri Lanka, India, Nepal

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 192	10989	-	-	-	-	ME
2.	GRM 193	-	-	-	-	-	ME
3.	GRM 194	-	-	-	-	-	ME
4.	GRM 195	-	-	-	-	-	ME baby

1758. *Moschus* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 66.

10.1.7. *Moschus moschiferus* Linnaeus, 1758. *Syst. Nat.*, 10th ed., 1 : 66.

*Common Name* (E) : Musk Deer

HB 800 - 1000 mm; TL 38 - 60 mm; shoulder height 510 - 610 mm; body covered with long, thick, bristly hairs, coat colour sepia brown, speckled with grey; devoid of antlers but provided with well-developed upper canine tusks; presence of musk gland at the naval region of male.

*Distribution* : In the Himalayas from Jammu and Kashmir to Sikkim, E. Siberia, N. Mongolia, N. China west to Kansu, Anwei (SW); Korea, Sakhalin Isl.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 27	17339	-	-	-	-	ME

## 10.2. Family TRAGULIDAE

1779. *Tragulus* Pallas, *Spicil. Zool.*, 13 : 27.

10.2.1. *Tragulus javanicus* (Osbeck, 1765). *Reise nach Ostind. China Rostock*, p. 357.

*Common Name* : (E) : Lesser Chevrotain.

HB 400 - 750 mm; TL 25 - 125 mm; shoulder height 200 - 350 mm; smallest of all living hooved mammals; hornless; canine teeth present on both jaws and upper canine enlarged into

small tusks in males, protruding from the mouth; brownish in colour with white underparts; three white stripes on the throat and body unspotted.

*Distribution* : Thailand, Vietnam, Laos, Kampuchea, Malay Peninsula, Sumatra, Java, Borneo and many small islands of the East Indies.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 20	7500	-	-	W.Rutledge	-	ME
2.	GRM 21	7447	-	-	Zoo Garden Kolkata	-	ME
3.	GRM 22	-	-	7 Nov. 1878	W. Rutledge	-	Mt. Skeleton

10.2.2. *Tragulus napu* (F. Cuvier, 1822). In E. Geoffroy and F. Cuvier, *Hist. Nat. Mamm.*, 37:2

*Common Name* (E) : Large Malay Chevrotain

Almost same as former species, only five stripes present on the throat and body not spotted.

*Distribution* : Vietnam, Laos, Kampuchea, Thailand, Malaysia, Borneo, Balabac Isl. (Philippines); Sumatra and many adjacent Isls.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 23	9964	-		Zoo Garden Kolkata		ME

10.2.3. *Tragulus meminna* (Erxleben, 1777), *Syst. Regn. Anim.*, 1 : 322

*Common Name* (E) : Indian Chevrotain

Almost like other species; coat colour olive brown; flanks marked with rows of white spots; three white stripes present on throat.

*Distribution* : Peninsular India, Sri Lanka.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 24	7382	-	Purchased	-	-	ME

## 10.3. Family CAMELIDAE

1758. *Camelus* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 65.

10.3.1. *Camelus bactrianus* Linnaeus, 1758. *Syst. Nat.*, 10th ed., 1 : 65.

*Common Name* (E) : Bactrian or Two-humped Camel.

HB 2250 - 3450 mm; TL approximately 550 mm; shoulder height 1800 - 2100 mm; colour varies from deep brown the dusty grey; number of humps two; hairs long (255 mm approx.). thickest on the head, neck, humps, forelegs and tip of the tail; skin has almost no sweat gland.

*Distribution* : Exists in the wild only in S. W. Mongolia, Kansu, Tsinghai and Sinkiang (China) (SW); domesticated in Iran, Afganistan, Pakistan, U.S.S.R., Mongolia and China.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 200	-	-	Oct, 1878	Purchased	-	Mt. Skeleton

## 10.4. Family BOVIDAE

1840. *Ammotragus* Blyth, *Proc. zool. Soc. Lond.*, 1840 : 13

10.4.1 *Ammotragus lervia* (Pallas, 1777). *Spicil. Zool.*, 12 : 12

*Common Name* (E) : Barbary Sheep

HB 1300 - 1650 mm; TL 150 - 250 mm; shoulder height 750 - 1120 mm; coat colour rufous tawny; white inside the ears, chin, underparts, and also inside the legs; no beard, a ventral mane of long, soft hairs on the throat, chest and upper part of the forelegs; the horns of males sweep outward, backward, and then inward and rather heavy and wrinkled which measure upto 840 mm in length; females also have prominent horns.

*Distribution* : Northern Egypt to Morocco; Niger to Sudan; perhaps southern Israel; introduced to New Mexico and Texas (U.S.A.).

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 31	10966	-	-	Zoo Garden Kolkata	-	ME

1758. *Ovis* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 70 Reviewed by R.S. Hoffmann (RSH); J. Ramirez. Pulido (JRP).

Van Gelder (1977) considered *Ovis* as a synonym of *Capra*. Corbet (1978) and Grzimek (1975) include all members of the subgenus *Ovis* in the species *O. ammon*, and all members of *Pachyceros* in *O. canadensis*. Schaller (1977) did not agree with the specific separation of *O. vignei* from *O. ammon* or *O. musimon* from *O. orientalis*. Valdez, Nadler and Bunch (1978) described a zone of hybridization between *O. vignei* and *O. orientalis* in northern Iran. However, Nadler *et al.* 1973, Korobitsyna *et al.* 1974, Ellerman and Morrison-Scott 1966 and Hall 1981 stated that there are two subgenera and eight species under the Genus *Ovis*

#### 10.4.2. *Ovis* sp.

A four horned domestic sheep with long white coat.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 28	9960	-	-	Zoo Garden Kolkata		ME

#### 10.4.3. *Ovis ammon* (Linnaeus, 1758). *Syst. Nat.*, 10th ed., 1 : 70

*Common Name* (E) : Argali

HB 1200 - 1800 mm; TL 70 - 150 mm; adult ram about 1100 mm high at shoulder; males larger than females; colouration varies from creamy white to dark grey and brown; fringe of long hair down the front of neck in male; horns deeply wrinkled, making a complete circle and then extend outwards in a bold sweep.

*Distribution* : Southern Siberia, eastern Soviet Central Asia, Mongolia, northern China, Sinkiang, Tibet, Himalayan region.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 38	17340	Little Pamir	-	Leut Ossetinsky	♂	ME Young

2.	GRM 39	17341	Little Pamir	-	-	♂	ME Adult
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10.4.4. *Ovis vignei* Blyth, 1841. *Proc. zool. Soc. Lond.*, 1840 : 70.

*Common Name* (E) : Urial

Size almost like other wild sheep; colour creamy white to grey and brown.

*Distribution* : Southern Soviet Central Asia, northeastern Iran, Afganistan, Pakistan, Northwestern India (Kashmir and Ladakh) and Oman.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 34	-	-	-	-	♂	Mt. Skeleton

1846. *Pseudois* Hodgson, *J. Asiat. Soc. Bengal.* 15 : 343.

10.4.5. *Pseudois nayaur* (Hodgson, 1833). *Asiat. Res.*, 18 (2) : 135.

*Common Name* (E) : Bharal or Blue Wild Sheep

Adult about 900 mm high at shoulder; colour brownish grey, suffused with slaty blue; horns rounded, marked with fine striations, and curve upwards then downwards and backwards at the tip.

*Distribution* : Himalayas from Jammu and Kashmir to Sikkim and also in Nepal, Bhutan and Yunnan (China).

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 30	10743	-	-	Zoo Garden Kolkata	♂	ME

1814. *Connochaetes* Lichtenstein, *Mag. Ges. Naturf. Fr.*, 6 : 152

10.4.6. *Connochaetes taurinus* (Burchell, 1824). *Travels in interior of Southern Africa*, 2 (footnote) : 278.

*Common Name* (E) : Brindled Gnu

HB 1500 - 2400 mm; TL 350 - 550 mm; height at shoulder 1000 - 1450 mm; colour greyish silver with brownish bands on the neck, shoulders and forepart of the body, face, mane, beard

and tail black except in subspecies *C. t. albojubatus* and *C. t. mearnsi* where the beard white instead of black; horns, heavy and recurved and arise separately; bristly facial hair.

*Distribution* : Southern Kenya and southern Angola to northern South Africa.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1	GRM 35	-	-	-	-	-	Mt. Skeleton

1758. *Capra* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 68.

10.4.7. *Capra falconeri* (Wagner, 1839). *Munch. Gelehrt. Anz.*, 9 : 430.

*Common Name* (E) : Markhor

HB 1150 - 1700 mm; TL 100 - 200 mm; shoulder height 650 - 1050 mm; colour rusty iron grey in winter and reddish brown during summer; mane falling from neck and shoulder to the knee; males bearded; horns diverge and form an open spiral.

*Distribution* : Himalayas from the valley or Kashmir westwards to Hindukush, southern Russian Turkestan, Afghanistan and Baluchistan.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 41	7717	Gilgit (13,500')	-	Capt. Manners Smith V.C.	-	ME Young Ascor Variety
2.	GRM 42	7697	Gilgit	-	Capt. Manners Smith V.C	-	ME True Ascor Variety
3.	GRM 43	-	Chitral	-	Dr. B.N. Chopra	-	ME
4.	GRM 44	-	-	-	-	-	Mt. Head

10.4.8. *Capra ibex* Linnaeus, 1758. *Syst. Nat.*, 10th ed., 1 : 68

*Common Name* (E) : Ibex

Height of male at shoulder about 1000 mm; sturdy, thick-set goat, male with a long beard

and a coat of coarse hairs; winter-coat yellowish white mixed with brown, and summer coat dark brown; horns scimitar shaped, flat and bossed with bold ridges.

*Distribution* : European Alps, Palestine, Sinai, Arabian Peninsula, mountainous region from Afghanistan and northern India to Lake Baikal, Egypt and Sudan east to Nile, northern Ethiopia.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 45	-	-	-	-	-	ME

1827. *Bubalus* H. Smith, In Griffith's *Cuvier Anim. Kingd.*, 5 : 371.

10.4.9. *Bubalus bubalis* (Linnaeus, 1758). *Syst. nat.*, 10th ed., 1 : 72.

*Common Name* (E) Asian Water Buffalo

Shoulder height 1700 - 2000 mm; about 2750 mm from tip to tip across the forehead; colour slaty black; legs dirty white upto just above the hocks and knees; usually exhibits two types of horns, in one, the horns curve upwards in a semicircle, the tips being separated by a small interval and in other, the horns spread outwards almost horizontally from the head and curve slightly upwards and inwards near the tips; horns are flat and triangular in section.

*Distribution* : Nepal and India to Vietnam and Malaysia.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 46	-	-	-	-	-	Skull with Horns

10.4.10. *Bubalus depressicornis* (H. Smith, 1827). In Griffith's *Cuvier Anim. Kingd.*, 4 : 381, 334.

*Common Name* (E) Lowland Anoa

HB 1600 - 1720 mm; TL 180 - 310 mm; shoulder height 690 - 1060 mm; tail long; forelegs white; horns flattend, wrinkled and triangular in section and 183 - 373 mm long; colour varies from dark brown to blackish and blotches of white on the face, nape, throat and lower limbs; underparts usually light brown,

*Distribution* : Lowlands of Celebes.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 51	-	-	-	-	-	ME Young

1758. *Bos* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 71.

*Bos frontalis* Lambert, 1804. *Trans, Linn. Soc. Lond.*, 7 : 57. Includes *gaurus*; see Ellerman and Morrison-Scott, 1951 : 380, and also Corbet and Hill, 1980 : 122 (as per Honacki *et al*, 1982); Nowak and Paradiso (1983) retains the specific name as *gaurus*.

10.4.11. *Bos gaurus*, H. Smith *Griffith An. Kingd.*, iv, p. 399(1827).

*Common Name (E) : Gaur*

HB 2500 - 3300 mm; TL 700 - 1050 mm; shoulder height 1650 - 2200 mm; horn length 600 - 1150 mm; males approximately one-fourth larger and heavier than females (Grzimek, 1975); colour dark reddish brown to almost blackish brown with white stockings; a large hump over the shoulders of adult male.

*Distribution : Nepal and India to Laos, Vietnam, Kampuchea and Malaya Peninsula.*

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 47	-	-	-	-	-	Mt. Head
2.	GRM 54	-	-	-	-	-	Skull, ASB Cat. no. 495J
3.	GRM 346	-	-	-	Austin distributors, 19, J.L.Nehru Road, Kolkata-16	-	Mounted Head

10.4.12. *Bos frontalis* Lambert

*Common Name (E) : Mithan*

A domestic breed of northeastern hill region, Commonly known as 'Mithan'

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 48	-	-	-	-	-	Skull

10.4.13. *Bos javanicus* D'Alton, 1823. *Die Skelete der Wiederkauer, abgebildet und verglichen*, p. 7.

N.B. For use of *javanicus* instead of *banteng* ref. consulted Hooijer, 1956, *Zool. Meded.*, 34 : 223-226; Medway, 1977 : 150.

HB 1800 - 2750 mm; TL 65 - 700 mm; shoulder height 1300 - 1650 mm; colouration varies but tends to be more blue black rather than black and also with white stockings and white rump patch.

*Distribution* : Myanmar, Thailand, Vietnam, Laos, Kampuchea, Malay Peninsula, Java, and Borneo.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 49	-	-	-	-	-	Skull
2.	GRM 52	10958	-	-	-	-	ME
3.	GRM 53	-	-	-	-	-	ME

10.4.14. *Bos grunniens* Linnaeus, 1766. *Syst. Nat.*, 12th ed., 1 : 99.

*Common Name* (E) Yak

In male HB length may reaches upto 3250 mm; shoulder height  $\pm$  2000 mm; females smaller in size; long hairs that reach almost to the ground to form a fringe around the lower part of the shoulders, sides of the body, flanks and thighs; the tail also has long hairs; colour blackish brown; horns black and curve upward and forward in the males.

The domestic variety, much smaller than the wild form and has more varied colouration.

*Distribution* : Tibet and adjacent highland regions.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 50	9961	-	-	Zoo Garden Kolkata	-	ME

1816. *Boselaphus* Blainville, *Bull. Sci. Soc. Philom. Paris.* p. 75.

10.4.15. *Boselaphus tragocamelus* (Pallas, 1766). *Misc. Zool.*, p. 5.

*Common Name* (E) : Nilgai

HB 1800 - 2100 mm; TL 456 - 535 mm; shoulder height 1200 - 1500 mm; colour iron-grey in males and tawny in females; white in lips and chin, two spots on cheek and a ring below each fetlock; both sexes possess dark manes; a tuft of stiff black hairs on the throat and stout cone-like horns present in males; forelegs somewhat longer than the hind ones, and long and pointed head.

*Distribution* : Throughout India, except Malabar Coast and eastern India and also in eastern Pakistan.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 55	10018	-	-	Zoo Garden Kolkata	♀	ME
2.	GRM 56	10209	-	-	Zoo Garden Kolkata	♂	ME

1827. *Nemorhaedus* H. Smith, In Griffith's *Cuvier Anim. Kingd.*, 5 : 352.

10.4.16. *Nemorhaedus goral* (Hardwicke, 1825). *Trans. Linn. Soc. Lond.*, 14 : 518.

*Common Name* (E) : Goral

HB 820 - 1300 mm; TL 76 - 203; shoulder height 584 - 711 mm; colour buffy grey to dark brown above and paler below; a black stripe on the foreleg, a white patch on the throat and a dark stripe down the middle of the back; male has a short semierect mane; horns short.

*Distribution* : Extreme southeastern Siberia to northern Myanmar and northern Thailand and also in Himalayan region.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 58	10946	-	-	Zoo Garden Kolkata	-	ME

1816. *Gazella Blainville*, *Bull. Sci. Soc. Philom. Paris*. P. 75.

10.4.17. *Gazella dorcas* (Linnaeus, 1758), *Syst. Nat.*, 10th ed., 1 : 69.

*Common Name* (E) : Gazelle or Chinkara

A full grown male measures about 650 mm at shoulder; horns measured about 250 - 300 mm; slender built; body above light chestnut and below white; white streak down each side of the face and a dusky patch above the nose; horns closely ringed and take a 'S' -shaped curve.

*Distribution* : Desert and subdesert zones of Morocco, Senegal, Somalia to northwestern and Central India.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 59	-	-	-	Zoo Garden Kolkata	-	ME

10.4.18. *Gazella subgutturosa* (Guldenstaedt, 1780) *Acta Acad. Sci. Petrop.*, for 1778, 1 : 251.

*Common Name* (E) : Persian Gazelle

Size almost like dorcas; colour of back and sides, rich brown to fawn, underparts whitish; horns usually occur only in males.

*Distribution* : Desert and subdesert steppes from Palestine and the Arabian Peninsula to the Gobi Desert and northern China.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 95	195	-	-	-	-	ME

1837. *Capricornis Ogilby*, *Proc. zool. Soc. Lond.*, 1836 : 139.

10.4.19. *Capricornis sumatrensis* (Bechstein, 1799). *Ueber Vierfuss. Thiere*, 1 : 98.

*Common Name* (E) Serow

HB 1400 - 1800 mm; TL 80 - 160 mm; shoulder height 800 - 940 mm; colour of upper part, generally grey or black and mane ranges from white to black in colour; underparts whitish; presence of large preorbital glands; straight facial profile; rhinarium naked; ears long, narrow and pointed, marked with 150 - 255 mm long narrow transverse ridges on the basal three fourths; hooves are short and tail, moderately bushy.

*Distribution* : Central and southern China, Himalayan region, northeastern India, Myanmar, Thailand, Indochina, Malay Peninsula, Sumatra.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 60	-	-	Capt. J. Biddulph	-	-	ME

1766. *Antilope Pallas*, *Misc. Zool.*, P. 1.

10.4.20. *Antilope cervicapra* (Linnaeus, 1758). *Syst. Nat.*, 10th ed., 1 : 69.

*Common Name* (E) : Black Buck

HB  $\pm$ 1200mm; TL  $\pm$  178 mm; shoulder height  $\pm$  812 mm; buck, rich dark blackish brown above, on the sides, and on the outsides of the legs; doe, yellowish fawn on the head and back; underparts white in both; buck having spirally twisted closely ringed horns; in both sexes inside the legs and an area encircling the eyes. white; horns 456 - 685 mm long; narrow muzzle; tail short; hooves delicate and sharply pointed.

*Distribution* : Throughout the plains of India except extreme east and the Malabar Coast; common in Rajasthan and Gujarat; also found in Pakistan.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 61	10884	-	-	Zoo Garden Kolkata	-	ME
2.	GRM 354	23351	-	-	Marble Palace Kolkata	-	ME

#### 10.5. Family SUIDAE

1758. *Sus* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 49.

10.5.1. *Sus scrofa* Linnaeus, 1758. *Syst. Nat.*, 10th ed., 1 : 49

*Common Name* (E) : Wild Boar

A full grown male can stand upto 900 mm high at shoulder; colour blackish grey mixed with rusty brown and white hairs; a prominent crest or mane of black bristles reaching from the nape down the back; tusks well developed in males, both the upper and lower tusks curve outwards and project from the mouth.

*Distribution* : Steppe and broadleaved forest regions of the Palearctic through S.E. Asia to Java, Flores and Solomon Isls; populations east of Bali are probably introduced feral stock. Extinct in the British Isls, Scandinavia and Egypt; range being more fragmented than former; introduced worldwide.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 66	-	Goalanda Bangladesh	11.12. 1876	-	-	ME
2.	GRM 67	-	-	-	-	-	ME Adult
3.	GRM 341	-	-	-	-	-	ME Sub-Adult
4.	GRM 342	-	-	-	-	-	ME Sub-Adult

N.B. All the three specimens of Sl. No. 2-4 are belonging to the subspecies *andamanensis*.

1826. *Phacochoerus* F. Cuvier, *Dict. Sci. Nat.*, 39 : 383.

10.5.2. *Phacochoerus aethiopicus* (Pallas, 1767), *Spicil. Zool.*, 2 : 2.

*Common Name* (E) : Wart Hog

HB 900 - 1500 mm; TL 250 - 450 mm; shoulder height 635 - 850 mm; wart like excrescences located on the sides of head and in front of eyes in males; colour dark brown to blackish; enormous sickle shaped upper canines measuring about 255 - 635mm in males and 152 - 255 mm in females; a long thin mane of coarse hair extends from the nape to the middle of the back, and after a bare space, continues up to the rump; the rest of body covered with bristles; tail with a tufted tip.

*Distribution* : Occurs in most of Africa south of the Sahara.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 62	10978	-	26.10 1937	Zoo Garden Kolkata	-	ME
2.	GRM 63	-	Abyssinia	28 June 1868	W.T.Blanford	♂	2 Skulls Scater's Cat. no. a & b

N.B. The specimen of GRM 63 collected during Abyssinia Expedition during June 1868.

1854. *Potamochoerus* Gray, *Proc. zool. Soc. Lond.*, 1852 : 129.

10.5.3. *Potamochoerus porcus* (Linnaeus, 1758.) *Syst. Nat.*, 10th ed., 1 : 50.

*Common Name* (E) : African Bush Pig or Red River Hog

HB 1000 - 1500 mm; shoulder height 585 - 965 mm; colour varies from reddish brown to black, often with a heavy mixture of white or yellowish hairs; long pointed ears, often have long tufts or streamers of hairs at the tips, and a pronounced light coloured mane along the top of the neck and back; average tusk length 76 mm in upper and 165 - 190 mm in lower; the male has warts in front of the eye.

*Distribution* : Throughout Africa, south of Sahara, and also found in Madagascar and Mayotte Island in the Comores, probably through introduction by Human agency, many years ago.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 281	-	-	-	-	-	ME Baby

#### 10.6. Family HIPPOPOTAMIDAE

1758. *Hippopotamus* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 74.

10.6.1. *Hippopotamus amphibius* Linnaeus, 1758. *Syst. Nat.* 10th ed., 1 : 74.

*Common Name* (E) : Hippopotamus

HB 3750 - 4600 mm; TL 560 mm; shoulder height 1500 mm; the hair is so fine and scantily covered the body that it appears naked; colour slaty copper brown, dark on the back and purplish below; skin glandular and exudes droplets of moisture that contains red pigment; eyes

protruding; ear length 100 mm in average and set high up and far back on the head.

*Distribution* : River systems of subsaharan Africa, formerly to lower Nile River.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 69	10220	-	-	-	♀	ME Baby
2.	GRM 68	-	-	-	-	♀	ME Adult
3.	GRM 231	-	-	-	-	-	Mt. Skeleton

10.7. Family GIRAFFIDAE

1772. *Giraffa* Brunnich, *Zool Fundamenta* p. 36. ed., p. 12, 37.

10.7.1. *Giraffa camelopardali* (Linnaeus, 1758) *Syst. Nat.*, 10th ed., 1 : 66.

*Common Name* (E) : Giraffe

HB 4000 mm; height at shoulder 2500 - 3700 mm; neck very long; two to four blunt, short, horn-like structures present on top of the head; lips prehensile and hairy; feet long; dark reddish to chestnut brown blotches of various shapes and sizes present on the body.

*Distribution* : Africa, south of Sahara.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 32	17343	-	-	-	-	ME Head
2.	GRM 201	-	-	-	-	-	Mt. Skeleton

11. Order PRIMATES

From the evolutionary point of view, primates constitute the highest order of mammals. The primates, having evolved from arboreal ancestors, retain this characteristic in form of prehensile hands and feet, and the thumb and big toe opposable to other digits; each digit usually tipped with a flat nail; binocular vision. Other evolutionary trends include an increase in the size and complexity of the brain, progressively more upright stance.

## 11.1. Family LORISIDAE

1796. *Loris* E. Geoffroy, *Mag. Encyclop.*, 1 : 48.11.1.1. *Loris tardigradus* (Linnaeus, 1758), *Syst. Nat.*, 10th ed., 1 : 29.*Common Name* (E) : Slender Loris

HB 175 - 264 mm; no external tail; body thin and lanky, with long slender limbs; colour varies from yellowish grey to dark brown above with a dark spinal stripe; underparts are silvery grey to buff.

*Distribution* : Peninsular India and Sri Lanka.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1	GRM 143	10743	-	-	Purchased	-	ME

1812. *Nycticebus* E. Geoffroy, *Ann. Mus. Hist. Nat. Paris.* 19 : 163.11.1.2. *Nycticebus coucang* (Boddaert, 1785). *Elench. Anim.*, p. 67.*Common Name* (E) : Slow Loris

HB 265 - 280 mm; tail vestigial; fur short, thick and woolly; colouration ranges from light brownish grey to deep reddish brown above, sometimes with a hoary effect produced by the light tips of individual hairs; underparts somewhat lighter, varying from almost white to buffy or greyish; usually a dark midline along the neck and back, and a light streak between the dark orbital rings; the thumb, practically at right angles to the other fingers.

*Distribution* : Eastern India, Bangladesh, Myanmar, extending east to the Philippines.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1	GRM 142	7617	Peru	-	Purchased from E.Gerard	-	ME
2.	GRM 336	21313	Tirap Dist. Arunachal Pradesh	24 Dec. 1983	Dr. S.Biswas	♂	ME
3.	GRM 359	-	Mizoram	-	S. Chattopadhyya	-	ME

## 11.2. Family GALAGIDAE

1796. *Galago* E. Geoffroy, *Mag. Encyclop.*, 1 : 49.11.2.1. *Galago senegalensis* E. Geoffroy, 1796. *Mag. Encyclop.*, 1 : 38.*Common Name* (E) : Senegal Galago

Cat like in appearance, with dense, woolly, rather long fur; colour in various shades from silvery grey to brown; ears having four transverse ridges and can be independently bent back.

*Distribution* : Africa : Senegal to Ethiopia, extending south to South Africa and Angola.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 141	10915	-	-	-	-	ME

## 11.3. Family LEMURIDAE

1758. *Lemur* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 24.11.3.1. *Lemur catta* Linnaeus, 1758. *Syst. Nat.*, 10th ed., 1 : 30.*Common Name* (E) : Ring tailed Lemur

HB 300 - 350 mm; TL 350 - 560 mm; fur soft and relatively long; colour brownish grey above and ventrally lighter; tail ringed with black and white.

*Distribution* : Southern Madagascar

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 145	12272	-	-	W.Rutledge	-	ME

11.3.2. *Lemur fulvus* E. Geoffroy, 1796. *Mag. Encyclop.*, 1 : 47.*Common Name* (E) : Brown Lemur

Size almost that of *L. catta*; colour brownish.

*Distribution* : Madagascar, Mayotte Island in the Comores.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 146	10956	Madagascar	-	Purchased from E. Gerard Zoo Garden, Kolkata	-	ME

#### 11.4 Family DAUBENTONIIDAE

1795. *Daubentonia* E. Geoffroy, *Decad, Philos. Litt.*, 28 : 195.

11.4.1. *Daubentonia madagascariensis* (Gmelin, 1788). *Syst. Mat.*, 13th ed., 1 : 152.

*Common Name* (E) : Aye - Aye

HB 360 - 440 mm; TL 500 - 600 mm; pelage coarse and straight, tail bushy; colouration dark brown to black; yellowish white spots over the eyes, cheeks, chin and throat; hand and feet black; rounded head with short face; large eyes and large naked membranous ears; thumb flexible but not truly opposable.

*Distribution* : NE and NW Madagascar

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 144	7612	-	-	-	-	ME

#### 11.5. Family CERCOPITHECIDAE

1773. *Papio* Muller, *Des Ritters* ..... Linne ..... *Vollstandiges Natursyst.*

11.5.1. *Papio hamadryas* (Linnaeus, 1758). *Syst. Nat.*, 10th ed., 1 : 27

*Common Name* (E) : Hamadryas Baboon

HB 610 - 762 mm; TL 382 - 610 mm; colour brown to ashy grey; only older males have heavy mane around the neck and shoulder; ischial callosities bright red.

*Distribution* : Senegal to Somalia, southern Arabia, south to S. Africa.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 158	-	Abyssinia	1 Aug. 1868	Abyssinia Expedition	-	ME ASB Cat. no. 49 d.
2.	GRM 159	-	- do -	- do -	- do -	-	ME ASB Cat. no. 49 e.
3.	GRM 160	7386	-	-	-	-	ME
4.	GRM 161	-	-	-	-	-	ME
5.	GRM 163	10991	-	-	W. Rutledge	-	ME

11.5.2. *Papio sphinx* (Linnaeus, 1758). *Syst. Nat.*, 10th ed., 1 : 25.

*Common Name* (E) : Mandrill

An ugly looking primate, with beard, crest and mane; HB 610 - 764 mm and TL 52 - 76 mm; body tawny greenish above and yellowish below; prominent ridges on each side of the nasal bones; ridges blue and grooves purple in colour, median track between the outgrowths brilliant scarlet.

*Distribution* : South of Sanaga River of Cameroon, Equatorial Guinea, Fernando poo, Gabon, Congo.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 165	-	-	8 April 1985	Zoo Garden Kolkata	-	ME
2.	GRM 164	-	-	-	-	-	Mt. Skeleton
3.	GRM 340	22382	-	-	Marble Palace, Kolkata	♀	ME

11.5.3. *Papio leucophaeus* (F. Cuvier, 1807). *Ann. Mus. Hist. Nat. Paris.* 9 : 477.

*Common Name* (E) : Drill

HB 610 - 714 mm; TL 52 - 76 mm; prominent ridges on each side of the nasal bones; face black, lacking black colouration and each outgrowth has only two grooves; buttock pad and the skin around them has a lilac tinge; this species have a beard, creat and a mame; pelage brownish.

*Distribution* : From Cross River in southeastern Nigeria to Sanga River in Cameroon.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 162	-	-	-	Zoo Garden Kolkata	-	ME

1758. *Cercopithecus* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 26.

11.5.4. *Ceropithecus diana* (Linnaeus, 1758). *Syst. nat.*, 10th ed., 1 : 26.

*Common name* (E) : Diana Monkey

Slender body, long hind limbs and a long tail; body grey, head and tail blackish, and the rump brownish red; whiskers and throat upto chest white; a white stripe on the thigh.

*Distribution* : Africa : Sierra Leone and from Liberia to Ghana

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1	GRM 166	-	-	-	-	-	ME

1799. *Macaca* Lacepede, *Tabl. Mamm.*, P. 4.

11.5.5. *Macaca arctoides* (I. Geoffroy, 1831). *Zool. Vey. de. Belanger Indes Orient.*, p. 61.

*Common Name* (E) : Stump-tailed Macaque

HB 485 - 635 mm; TL 35 - 80 mm; a large macaque, having a blotched red face, bald forehead, thick limbs, stumpy tail and naked rump around the callosities; colour dark brown.

*Distribution* : Eastern India, Bangladesh, Myanmar, extending east to Vietnam and southern China.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 154	12033	-	4 Dec. 1872	J.Anderson	♂	ME
2.	GRM 338	-	Bhosamur, Lohit Dist., Arunachal Pradesh	-	R.N.Vargava	-	ME

11.5.6. *Macaca fascicularis* (Raffles, 1821). *Trans. Linn. Soc. Lond.*, 13 : 246.

*Common Name* (E) : Crab-eating Macaque

HB 310 - 690 mm; TL 320 - 670 mm; colour brownish yellow above and paler below with a long blackish tail, subequal to head and body length; crown hair directed backwards.

*Distribution* : Nicobar group of Islands, southeastern Myanmar, southeastern Thailand and Indochina, Malay Peninsula, Sumatra, Java, Borneo, Philippines and many small islands of East Indies as far East as Timor but not Celebes.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 155	12034	-	-	Anderson	-	ME

11.5.7. *Macaca nigra* (Desmarest, 1822). *Encyclop Method. Mamm. Suppl.*, 2 : 534.

*Common Name* (E) : Sulawesi Black Ape

HB 450 - 550 mm; tail short; colour almost black; a conspicuous conical-shaped mass of long hairs on the crown of the head.

*Distribution* : Northeastern Celebes (Sulawesi)

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 157	-	-	28th Feb. 1871	W. Rutledge	-	ME ASB Cat. no. 48 d.

11.5.8. *Macaca ochreata* (Ogilby, 1841). *Proc. zool. Soc. Lond.*, 1841 : 56.

*Common Name* (E) : Celebes Ape

HB length ranges upto 764 mm; tail short; colour dark brown to almost black, innerside of the limbs and buttocks grey, chest and belly brown, face black.

*Distribution* : Southeastern Celebes (Sulawesi)

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 147	-	-	-	W.Rutledge	-	ME
2.	GRM 148	-	-	-	W.Rutledge	-	ME

11.5.9. *Macaca nemestrina* (Linnaeus, 1766). *Syst. Nat.*, 12th ed., 1 : 35.

*Common Name* (E) : Pigtail Macaque

HB 470 - 585 mm; TL 140 - 230 mm; colour brownish above and paler below but in variable shades.

*Distribution* : Eastern India, Bangladesh, Myanmar, Thailand, Vietnam, Laos, Kampuchea, Malay Peninsula, Sumatra and Borneo.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 151	-	-	-	-	-	ME
2.	GRM 152	-	-	-	-	-	ME
3.	GRM 153	-	-	-	-	-	ME

11.5.10. *Macaca silenus* (Linnaeus, 1758). *Syst. Nat.*, 10th ed., 1 : 26.

*Common Name* (E) : Lion-tail Macaque

HB 500 - 600 mm; TL 250 - 380 mm; colour black, with a brownish grey ruff surrounding the temples and cheeks; tail having a tuft of hairs and its tip like that of a lion.

*Distribution* : Southeastern peninsular India.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 149	-	-	-	-	-	ME
2.	GRM 150	10313	-	-	Zoo Garden Kolkata	-	ME

11.5.11. *Macaca mulatta* (Zimmermann, 1780). *Grogr. Gesch. Mensch. Vierf. Thiere*, 2 : 195.

*Common Name* (E) : Rhesus Macaque

HB 470 - 630 mm; hind quarters of the body of orange-red hue; tail short and hairy, less than half of the length of head and body.

*Distribution* : East Afghanistan, Pakistan, northern India, Nepal, Bangladesh, extending east to Vietnam.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 156	-	-	-	-	-	ME Juvenile

11.5.12. *Macaca maura* F. Schinz, 1825. *Das Thierreich*, p. 257

*Common Name* (E) : Moor Macaque

HB length ranges upto 764 mm; tail short; almost black, yellowish at tail tip and inner thigh, ventrally lighter.

*Distribution* : Southwestern Celebes.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 176	-	-	-	-	♀	ME

1821. *Presbytis* Eschscholtz, *Reise* (Kotzebue), 3 : 196.

HB length of the members of the genus *Presbytis* ranges from 432 mm - 788 mm and TL length ranges from 533 - 1066 mm. All rather slender bodied with long tails and long hands.

Colour mostly greyish or brownish above and paler below.

11.5.13. *Semnopithecus entellus* (Dufresne, 1797)

*Syn. Presbytis entellus* (Dufresne, 1797) *Bull. Sci. Soc. Philon, Paris*, ser. 1, 7 : 49.

*Common Name* (E) : Common Langur or Hanuman Monkey

HB 600 - 750 mm; TL 900 - 1000 mm; long limbed, long tailed, mostly grey coloured black faced langur.

*Distribution* : Extreme southern Tibet, Nepal, Sikkim, India, Bangladesh and Sri Lanka.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 168	-	-	-	-	-	ME
2.	GRM 169	-	-	-	-	-	ME

11.5.14. *Presbytis obscura* (Reid, 1837). *Proc. zool. Soc. Lond.*, 1837 : 14.

*Common Name* (E) : Spectacled Langur

Prominent pale rings around the eyes, and extremely variable in body colour, which varies, as with most other langurs, both seasonally, regionally and individually.

*Distribution* : Malay Peninsula and nearby islands,

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 167	-	-	-	-	-	ME

11.5.15. *Tachypithecus phayrei* (Blyth, 1847)

*Syn. Presbytis phayrie* Blyth, 1847. *J. Asiat. Soc. Bengal.* 16 : 733.

*Common Name* (E) : Leaf Monkey

Rather similar to spectacled Langur, but the eye-rings bluish white, and the colour of crown and rest of the back same.

*Distribution* : Northeastern India and Bangladesh, Myanmar, Thailand, Laos, northern Vietnam, extreme western Yunnan (South China).

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 170	-	-	-	-	-	ME

11.5.16. *Presbytis senex* (Erxleben, 1777). *Regn. Anim.*, P. 24.

*Common Name* (E) Purple - faced Langur

A purpled faced langur.

*Distribution* : Confined to Sri Lanka since 1934.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 171	11834	-	-	-	-	ME ASB Cat. no. 15 E IM

11.5.17. *Tachypithecus johnii* (Fischer, 1829)

*Syn. Presbytis johnii* (Fischer, 1829). *Synops. Mamm.*, p. 25.

*Common Name* (E) : Nilgiri Langur

HB 600 - 800 mm; TL 750 - 900 mm; colour glossy black or brownish with a yellowish head; female has a distinct white patch inside the thighs; rump and base of the tail grizzled.

*Distribution* : India : Western Ghats, south of Coorg.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 172	166	-	-	-	-	ME

11.5.18. *Presbytis melalophos* (Raffles, 1821). *Trans. Linn. Soc. Lond.*, 13 : 245.

*Common Name* (E) : Banded Leaf Monkey

*Distribution* : Malay Peninsula, Sumatra, Borneo, Rhio Archipelago, North Natuna Islands, Batu Islands.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 173	-	-	-	-	-	ME

11.5.19. *Presbytis pileata* (Blyth, 1843). *J. Asiat. Soc. Bengal*, 12 : 174.

*Common Name* (E) : Capped Langur

HB 450 - 700 mm; TL 750 - 1000 mm; crown covered with a thick mat of erect, dusky brown hairs which contrast with the golden whiskers; dorsal surface of body, outer side of limbs and proximal half of tail blackish grey, and ventral parts brownish yellow or orange.

*Distribution* : Bangladesh, NE India and northern Myanmar.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 174	10974	Manipur	1936	ZSI Survey party	-	ME
2.	GRM 175	-	-	-	-	-	ME

#### 11.6. Family HYLOBATIDAE

1811. *Hylobates* Illiger, *Prodr. Syst. Mamm. et. Avium.*, p. 67.

Slender bodied ape with a small rounded head; long arms, more than double the length of legs, no tail; erect posture.

11.6.1. *Hylobates hoolock* (Harlan, 1834). *Trans. Am. Philos. Soc.*, 4 : 52.

*Common Name* (E) : Hoolock Gibbon

Standing erect, the *H. hoolock* measures little less than 900 mm; males and young females black; on reaching maturity the females coat fades to yellowish grey; males black with white eyebrows; hairs; longer than other species of *Hylobates*; a newly born baby, covered with yellow-tinted greyish white hair.

*Distribution* : NE India, Bangladesh, Myanmar and adjacent border area of China.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 177	1078	-	-	-	-	ME
2.	GRM 178	7537	-	-	-	-	ME
3.	GRM 333	21316	Namdhapa Tirap Dist., Arunachal Pradesh.	15 Jan. 1985	DR. S. Biswas	♀	ME

11.6.2. *Hylobates agilis* F. Cuvier, 1821. *Hist. Nat. Mamm.* (Geoffroy and F. Cuvier), p. 3.

*Common Name* (E): Dark-handed Gibbon

HB 440 - 635 mm; colouration varies from very dark brown to light buff, often with reddish tinge, males with white brows and cheeks, females with white eye brows.

*Distribution* : Extreme southern peninsular Thailand, northern mainland of Malaysia, most of Sumatra, southwestern Borneo.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 285	11791	-	-	-	♀	ME Baby

11.6.3. *Hylobates lar* (Linnaeus, 1771). *Mant. Plant.*, p. 521.

*Common Name* (E) White - handed Gibbon

HB 440 - 635 mm; colouration varies from black to light buff, hands and feet white.

*Distribution* : Thailand, Malay Peninsula, northern Sumatra.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 179	11698	-	-	-	-	ME

## 11.7. Family PONGIDAE

1816. *Pan* Oken, *Lehrb. Naturgesch., ser. 3, 2* : xi11.7.1. *Pan troglodytes* (Gmelin, 1788). *Syst. Nat.*, 13th ed., 1 : 26.*Common Name* (E) : Chimpanzee

HB 635 - 940 mm; and the height about 1000 - 1700 mm. when erect; the arms extend below the knees when the animal in standing posture and their spread about 50 percent greater than the animal's height; the hairs on the head directed backward or parted. The face usually bare and generally black in colour; the nose, ears, hands and feet flesh coloured; general colour black with a white patch near the rump; prominent brow ridges present.

*Distribution* : Guinea to Uganda, and south to Lake Tanganyika, but not including the central forests of Zaie south of the Congo River.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 180	7671	-	-	-	-	ME
2.	GRM 181	10993	-	-	-	-	ME
3.	GRM 190	11691	-	-	-	-	Mt. Skeleton

1799. *Pongo* Lacépede, *Tabl. Div. Subd. Orders Genres Mamm.*, p. 4.11.7.2. *Pongo pygmaeus* (Linnaeus, 1760). *Amoenit. Acad.*, 6 : 68.*Common Name* (E) : Orangutan

HB 1250 - 1500 mm; the arms, reach to the ankles when the animal in rect posture and have a spread about 2250 mm; colour dark rufous or reddish brown and hairy coat, rather thin and shaggy; the forehead high and snout bulging; cheek pads present in adults, especially in old males; the mouth projecting and the lips thin; the small ears devoid of hairs; legs short and relatively weak but the hands and arms powerful.

*Distribution* : Sumatra, NW of lake Toba; discontinuous in Borneo.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1	GRM 182	-	-	-	-	♀	ME

2.	GRM 183	-	-	-	-	-	ME
3.	GRM 184	11696	-	-	-	♂	ME
4.	GRM 187	-	-	-	-	-	Mt. Skeleton
5.	GRM 287	-	-	-	-	-	Mt. Pectoral Girdle

1852. *Gorilla* l. Geoffroy, *C. R. Acad. Sci. Paris.* 36 : 933.

11.7.3. *Gorilla gorilla* (Savage and Wyman, 1847). *Boston J. Nat. Hist.*, 5 : 417.

*Common Name* (E) : Gorilla

While standing, *Gorilla* measure from 1250 - 1750 mm; the span of the outstretched arms, about 2000 - 2750 mm, far greater than the standing height; chest about 508 mm across; the face, ears, hands and feet bare and the chest in old males lacks hair; a pad of skin and connective tissue, relatively dense and fibrous in nature, present on the crown; colour black; muzzle short; extremely stocky body; nostrils large, eyes small and small ears lie close to the head; forearm much shorter than the upper arm, hand very large and thumbs larger than the fingers.

*Distribution* : SE Nigeria, Cameroun, Rio Muni, Congo Republic, Gabon, N and E Zaire, SW Uganda, N Rwanda.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 185	11688	-	-	-	♂	ME
2.	GRM 186	11687	-	-	-	♀	ME
3.	GRM 188	11690	-	-	-	♀	Mt. Skeleton
4.	GRM 189	11689	-	-	-	♂	Mt. Skeleton

## 11.8. Family HOMINIDAE

1758. *Homo* Linnaeus, *Syst. Nat.* 10th ed., 1 : 20.

11.8.1. *Homo sapiens* Linnaeus, 1758. *Syst. Nat.*, 10th ed., 1 : 20.

*Common Name* (E) : Human being

True *Homo sapiens*, the species to which all living human beings belong, dates back at least 70,000 years. The species *H. sapiens* presents the ultimate in the tendencies towards brain expansion, reduction of the masticatory apparatus, erect bipedalism.

Living populations differ from each other only in minor details of skin colouration, hair texture and colour, facial feature, etc.

*Distribution* : Throughout the world.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 191	11788	-	-	-	-	Mt. Skeleton
2.	GRM 286	-	-	-	-	-	Pectoral Girdle of Man

## 11.9. Family CEBIDAE

1831. *Saimiri* Voigt, Cuvier's Thierreich, 1 : 95.

11.9.1. *Saimiri sciureus* (Linnaeus, 1758) *Syst. Nat.*, 10th ed., 1 : 29.

*Common Name* (E) : Squirrel Monkey

HB usually 260 - 360 mm; TL 350 - 425 mm; pelage short, thick, soft and brightly coloured; the skin of the lips, including the area around the nostrils black and nearly devoid of hair; the most common colouration : white around the eyes and ears and on the throat and sides of the neck; the top of the head black and greyish; the back, forearms, hands and feet reddish or yellow; the shoulder and hind feet suffused with grey; the underparts whitish or light ochraceous and the tail bicoloured like the body except the black terminal part; eyes large and set close together; ears large; thumb short; the tail covered with short hair, slightly tufted at the tip, and not prehensile.

*Distribution* : Colombia to Paraguay.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 263	10960	-	-	Zoo Garden Kolkata	♂	ME

1811. *Aotus* Illiger, *Prodr. Syst. Mamm. et Avium.*, p. 71.

11.9.2. *Aotus trivirgatus* (Humboldt, 1811). *Rec. Observ. Zool.*, 1 : 306.

*Common Name* (E) : Night Monkey

HB 240 - 370 mm; TL 316 - 400 mm; pelage short, dense, semiwoolly and soft, colouration varies, but usually silvery grey to dark grey above and grey - buff or brownish beneath; usually three dark brown or black linear markings on the face separated and bordered by greyish areas but in some, this pattern only faintly indicated or lacking; head round and eyes very large; tail not prehensile, densely furred and slightly club shaped; in most forms the ears small and almost completely concealed in the fur; a sac under the chin which can be inflated at will and gives resonance to the voice.

*Distribution* : Western Panama to Amazonian Brazil and northern Argentina.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 269	-	-	-	-	-	ME

1777. *Cebus* Erxleben, *Syst. Regn. Anim.*, p. 44.

11.9.3. *Cebus* sp.

*Common Name* (E) : Capuchin or Ring-tail Monkey

HB 305 - 565 mm; TL 300 - 560 mm; body and tail well haired; fur silky, well defined thumbs, tail slightly prehensile and often coiled at the tip.

*Distribution* : South America

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 264	-	-	-	-	♂	ME

## 11.10. Family CALLITHRICIDAE

1840. *Leontopithecus* Lesson, *Spec. Mamm. Bim. et Quadrup.*, 1844 : 184, 200.11.10.1. *Leontopithecus rosalia* (Linnaeus, 1776). *Syst. Nat.*, 12th ed., 1 : 41.*Common Name* (E) : Golden or Lion-headed Marmoset

HB 200 - 336 mm; TL 315 - 400 mm; pelage long, silky and golden in colour; prominent mane on the shoulder.

*Distribution* : Southern Brazil

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 265	10881	-	3 Nov. 1880	W. Rutledge	-	ME
2.	GRM 266	12306	-	- do -	- do -	-	ME

1866. *Cebuella* Grey, *Proc. zool. Soc. Lond.*, 1865 : 734.11.10.2. *Cebuella pygmaea* (Spix, 1823). *Sim. Vespert. Brasil.* p. 32.*Common Name* (E) : Pygmy Marmoset

The smallest new world primate; HB 117 - 152 mm; TL 117 - 229 mm; head and neck dark brown and grey, or dark brown and buff; back greyish black mixed with buff, or brownish tawny, sometimes with greenish cast; the hands and feet yellowish or orangish; tail indistinctly ringed with black and tawny; underparts often orangish, but vary from white to tawny.

*Distribution* : Northern and western Brazil, northern Peru, and Ecuador.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 267	10977	Colombia	5 Aug 1937	Purchased Sobayana Wat.Sc.Lab. Japan	-	ME

1777. *Callithrix* Erxleben, *Syst. Regn. Anim.*, p. 55.11.10.3. *Callithrix jacchus* (Linnaeus, 1758). *Syst. Nat.*, 10th ed., 1 : 27.*Common Name* (E) : Short-tusked Marmoset

HB 180 - 300 mm; TL 172 - 405 mm; colour agouti grey; tail has alternating broad blackish and narrow pale bands; long tufts in front of and often above and behind the base of the ears; lower canines incisiform, barely extending beyond the adjacent incisors.

*Distribution* : Brazil.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 268	10914	-	-	Zoo Garden Kolkata	-	ME

## 12. Order PROBOSCIDEA

Animals of large size provided with a long flexible proboscis with finger-like prehensile tip; no clavicle; radius and ulna permanently crossed; tibia and fibula complete; hind legs pillar like; in the skull the jugal bones form the middle of the zygoma only; nasals very short; large and extensive frontal sinus; tusks, the permanent incisors with persistent pulps, but with no enamel.

### 12.1. Family ELEPHANTIDAE

1758. *Elephas* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 33.

12.1.1. *Elephas maximus* Linnaeus. 1758. *Syst. Nat.*, 10th ed., 1 33.

*Common Name* (E) : Asiatic or Indian Elephant

HB 5500 to 6400 mm; TL 1200 to 1500 mm; shoulder height usually 2500 to 3000 mm but maximum height recorded upto 3400 mm; massive built with long flexible proboscis; generally males possess enlarged incisor teeth the tusks; colour dark grey to brown or blackish brown; body covered with scanty stiff and bristly hairs and a tuft of hair at the base of the tail; four nails on each hindfoot.

*Distribution* : Sri Lanka, India, Vietnam, Laos, Kampuchea, Malay, Sumatra and northern Borneo.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 224	-	-	-	-	-	ME
2.	GRM 226	-	-	-	Magistrate of Medinipur, W.B.	-	Mt. Skull

3.	GRM 227	-	Bilwandi Naidumka, Santhal Parganas	19 Jan. 1870	W.M. Smith -	Mt. Skeleton
4.	GRM 228	-	-	-	M.Nussir - W-Wdowla, King of Oudh	Mt. Skeleton 11' 9" (maximum record)
5.	GRM 229	-	-	-	-	Section of Skull
6.	GRM 230	8439	-	14 June 1907	H.H.Maharaja - of Benaras	Mt. Skeleton
7.	GRM 274	-	-	1877	-	ME Baby

1827. *Loxodonta* Anonymous, *Zool. J.*, 3 : 140

12.1.2. *Loxodonta africana* (Blumenbach, 1797). *Hand. Hilfsb. Nat.*, 5th ed., p. 125.

*Common Name* (E) : African Elephant

Largest living terrestrial mammal; HB 6000 - 7500 mm; TL 1000 - 1300 mm; shoulder height 3000 - 4000 mm. sparsely scattered with black bristly hairs; skin dull brownish grey in colour; the flattened end of the tail has a tuft of coarse, crooked hairs 380 - 760 mm long; colour brownish grey in both sexes; one incisor tooth on each side of the upper jaw, greatly developed to form a tusk; the largest known tusk measures about 3500 mm and weighs about 107 kg; the largest female tusk weighs about 18 kg (average 7 kg); the trunk has a finger like projection both above and below; *Loxodonta* has much larger ears than *Elephas* which measures about 1500 mm from top to bottom. 3 nails on each hindfoot.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 225	-	Kokai, Lebek Valley Fritree, E. Africa	-	Abyssinian Expedition	-	Skull

## 13. Order RODENTIA

A middle pair of long, curved, rootless, persistent chisel shaped incisors; no canine.

## 13.1. Family HYDROCHAERIDAE

1772. *Hydrochaeris* Brunnich, *Zool. Fundamenta*, p. 44.

13.1.1. *Hydrochaeris hydrochaeris* (Linnaeus, 1776). *Syst. Nat.*, 12th ed., 1 : 103.

*Common Name* (E) : Capybara

Largest living rodent. HB 1000 - 1300 mm; tail vestigial, shoulder height upto 500 mm; sparsely distributed long, coarse pelage, colour reddish brown to greyish on the upperparts and yellowish brown on the underparts; there may be some black on the face, outer surface of the limbs and on the rump; in the mature male, a bare, raised area on the top of the snout contains greatly enlarged sebaceous glands; limbs short; head relatively large and broad; ears short rounded, and the small eyes placed dorsally and relatively far back on the head; muzzle heavy and truncate and upper lip enlarged; incisor teeth shallowly grooved, cheek teeth rootless; females have five pairs of ventral mammae.

*Distribution* : Panama to the east of the canal Zone, and on the east side of the Andes in South America, from Colombia and the guianas to Uruguay and northeastern Argentina.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 232	-	-	-	-	-	ME

## 13.2. Family MYOCASTORIDAE

1792. *Myocastor* Kerr, *Anim. Kingdom*, p. 225.

13.2.1. *Myocastor coypus* (Molina, 1782). *Sagg. Stor. Nat. Chile*, p. 287.

*Common Name* (E) : Coypu

HB 4300 - 6350 mm; TL 2550-4250 mm; the pelage of the upperparts contains many long, coarse guard hairs with a general colouration of yellowish brown or reddish brown; these hairs nearly conceal the soft, thick, velvety, dark grey under fur; the belly fur, pale yellow and not as coarse as that of the underparts; the tail, scaly and thinly haired, except at the base; the structure like a robust rat, the eyes and ears small; the webbed hindfoot, much longer than the forefoot, first four digits connected by skin and fifth free; vestigial thumb in forefoot; incisor teeth large and coloured with brilliant orange; females have four pairs of thoracic mammae.

*Distribution* : Southern Brazil, Paraguay, Uruguay, Bolivia, Argentina, Chile. Widely introduced in North America, Europe, northern Asia and eastern Africa.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 233	-	South America	-	-	-	ME

### 13.3. Family RHIZOMYIDAE

1831. *Rhizomys* Gray, *Proc. zool. Soc. Lond.*, 1831 : 95.

13.3.1. *Rhizomys sinensis* Gray, 1831. *Proc. Zool. Soc. Lond.*, 1831 : 95

*Common Name* (E) : Bamboo rat

HB 250 - 440 mm; thickest body with short legs, short, scantily haired tail and strong digging claws; incisors large and projecting; eyes small and rudimentary; limbs short and armed with large claws, tail short or vestigial, body cylindrical and not marked off from the head by any distinct neck; dark brown in colour.

*Distribution* : China, Kwangtung, near Canton.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 234	10962	Burma	-	Zoo Garden, Kolkata	-	ME

### 13.4. Family SCIURIDAE

1779. *Marmota* Blumenbach, *Hand. Hilfsb. Nat.*, 1 : 79.

13.4.1. *Marmota caudata* (Geoffroy 1842-1843). In Jacquemont, *Voy. dans L'Inde*, 4. *Zool.*, p. 66.

*Common Name* (E) : Long-tailed Marmot

HB 450 - 570 mm; TL  $\pm$  250 mm; stout bodied squirrel, small ears, moderately long tail; body rich orange to golden buff above, reddish brown underparts; tail yellowish with a black tip.

*Distribution* : Tien Shan, south through Pamirs to Hindu Kush and Jammu and Kashmir.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 235	-	-	-	-	-	ME

1867. *Ratufa* Gray, *Ann. Mag. Nat. Hist.*, ser. 3, 20 : 273.

13.4.2. *Ratufa bicolor* (Sparman, 1778). *Samhelle hand.* (Wet. Afd.), 1 : 70

*Common Name* (E) : Malayan Giant Squirrel

HB 350 - 470 mm; TL about 600 mm; large squirrel with a long furry tail; colour deep brown to blackish above and buff below.

*Distribution* : Northerastern India, South China, Myanmar and Malay.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 239	-	-	-	Zoo Garden, Kolkata	-	ME
2.	GRM 240	-	-	-	- do -	-	ME
3.	GRM 316	-	Darjiling	-	R.L. Chowdhury	-	ME
4.	GRM 331	21298	Namdapah	1983	S. Biswas	-	ME

13.4.3. *Ratufa indica* (Erxleben, 1777), *Syst. Regn. Anim.*, 1 : 420

*Common Name* (E) : Indian Giant Squirrel

Size as of *Ratufa bicolor*; colour deep red, with scattered black patches above and buff beneath.

*Distribution* : Peninsular India.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 241	11685	-	-	Purchased from Market of Kolkata	-	ME

2.	GRM 242	11686	-	-	- do -	-	ME
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1867. *Callosciurus* Gray, *Ann. Mag. Nat. Hist.*, **20** : 277.

13.4.4. *Callosciurus nigrovittatus* (Horsfield, 1823), *Zool. Res. Java.* **7** : 149.

*Common Name* (E) : Badging

*Distribution* : Malay Peninsula, Sumatra, Borneo, Java and adjacent small islands.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 243	7074	-	-	-	♀	ME

13.4.5. *Callosciurus prevosti* (Desmarest, 1822). *Encyclop. Method. Mamm.*, p 335.

*Common Name* (E) : Three coloured Squirrel

*Distribution* : Malaysian subregion except Java; Sulawesi.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 245	-	-	-	-	♂	ME

13.4.6. *Callosciurus finlaysoni ferrugineus* (F. Cuvier, 1829). *Tabl. Meth. Mamm.*, **3** : 238.

*Common Name* (E) : Bay Squirrel or Finlayson's Squirrel

Dorsal pelage glossy dark red, feet blackish, and tail-tip white; ventral colour light red.

*Distribution* : South-Central Myanmar.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 244	-	-	-	-	-	ME

13.4.7. *Callosciurus erythraeus* (Pallas, 1778). *Nova. spec. ad. Glir. Ord.*, p. 377.

*Common Name* (E) : Pallas's Squirrel

HB 180 - 200 mm; colour olive brown to dark brown above, and red below.

*Distribution* : Northeastern India, southern China, Myanmar, eastwards to Vietnam.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 322	20787	Namdapah, Arunachal Pradesh	17 April 1981	Dr.S.Biswas	♂	ME

13.4.8. *Callosciurus pygerythrus* (I. Geoffroy, 1832). *Mag. Zool. Paris.* p. 5, pl. 4-6.

HB length not exceeds 200 mm; colour olive brown above, buff beneath.

*Distribution* : Nepal to Myanmar and Yunnan (China).

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 314	20681	Samsing, Darjiling Dist., W.B.	18 Dec. 1980	R.L.Chow- dhury	♀	ME
2.	GRM 315	20682	- do -	- do -	- do -	♂	ME

1908. *Hylopetes* Thomas, *Ann. Mag. nat. Hist.*, 1 : 6.

13.4.9. *Hylopetus fimbriatus* (Gray, 1837). *Ann. Mag. Nat., Hist.*, 1 : 584.

*Common Name* (E) : Kashmir Flying Squirrel.

HB 230 - 290 mm; a broad paraichute like flap of skin or patagium extending on either side of the body from wrist to knee; colour pinkish buff, grizzled with black above and creamy below; a furry, black tipped tail; fourth upper premolar less than 3 mm in width.

*Distribution* : Afghanistan to Jammu and Kashmir and Punjab (India).

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 246	-	-	-	-	-	ME

1795. *Petaurista* Link, *Zool. Beytr.*, 1 (2) : 52 , 78.

13.4.11. *Petaurista petaurista* (Pallas, 1766). *Misc. Zool.*, p. 34.

*Common Name* (E) : Common Giant Flying Squirrel

A large flying squirrel, HB length ranges from 280 - 510 mm; TL length 600 mm or above; a long bushy, black tipped tail; forehead and back chestnut, grizzled with white, not markedly darker than the sides and patagium; shoulder patch indistinct.

*Distribution* : Sri Lanka, India and southeastern Asia.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 247	-	-	-	-	-	ME

13.4.11. *Petaurista petaurista philippensis* (Elliot)

*Common Name* (E) : Large Brown Flying Squirrel

*Distribution* : Peninsular India, south of the River Ganges.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1	GRM 248	-	-	-	-	-	ME

13.4.12. *Petaurista alborufus* (Milne-Edwards, 1870). *C. R. Acad. Sci. Paris*, 70 : 342.

*Common Name* (E) : Red and White Flying Squirrel

*Distribution* : Assam, Nagaland, Arunachal Pradesh, Myanmar.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1	GRM 321	20785	Mias, Namdapah, Arunachal Pradesh	6. 5.1981	S. Biswas	♂	ME

13.4.13. *Petaurista magnificus* (Hodgson, 1836). *J. Asiat. Soc. Bengal*, 5 : 231.

Size almost similar to *P. petaurista*; forehead orange buff, back maroon, darker than the sides and patagium; shoulder patch concolorous with the sides of dorsum; a mid-dorsal stripe may be present.

*Distribution* : Tibet, Nepal, Bhutan and Sikkim and West Bengal of India.

*Common Name* (E) : Gray's Giant Flying Squirrel.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 313	-	-	-	-	-	ME
2.	GRM 313 A	-	-	-	-	-	ME
3.	GRM 350	-	-	Namdapah, Arunachal Pradesh	S. Biswas	-	ME
4.	GRM 351	-	-	- do -	- do -	-	ME

## 13.5. Family HYSTRICIDAE

1829. *Atherurus* F. Cuvier, *Dict. Sci. Nat.*, 59 : 483.

13.5.1. *Atherurus macrourus* (Linnaeus, 1758). *Syst. Nat.*, 10th ed., 1 : 57.

*Common Name* (E) : Brush-tailed Porcupine

HB less than that of *Hystrix*; no crest on the head; neck, shoulders and belly covered with short bristles; bristles of the back not much elongated and not modified into true quills; tail long, more than 1/3 of head and body length, ending in a tuft of bristles.

*Distribution* : Northeastern India, Szechwan, Yunnan, Hupei and Hainan (China) to Malay, Sumatra and adjacent islands.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 332	21311	-	7 March 1985	Donated by Marble Palace	♂	ME

1758. *Hystriz* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 56.

13.5.2. *Hystrix indica* Kerr, 1792. *Anim Kingdom*, p. 213.

*Common Name* (E) : Indian Crested Porcupine

HB 700-900 mm; TL 80 - 100 mm; length of spines 180 - 200 mm; a crest of long, flexible bristles present on the head; body covered with stout, cylindrical, dark brown and white banded quills; tail short, less than 1/5 of head and body.

*Distribution* : Transcaucasus, Asia Minor, Israel, Arabia to southern Kazakhstan, India, Sri Lanka and Tibet.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 283	-	-	-	-	-	ME Baby

13.5.3. *Hystrix brachyura* Linnaeus, 1758. *Syst. Nat.*, 10th ed., 1 ; 57.

*Common Name* (E) : Crestless Himalayan Porcupine

Essentially like *Hystrix indica* but differs from it in the crest on the forehead being rudimentary or wanting, and the quills on the back having only one dark ring in the middle and white at both ends.

*Distribution* : Nepal, Sikkim and northeastern India, Central and southern China, Myanmar, Thailand, Vietnam, Laos, Kampuchea, Malay, Sumatra and Borneo.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 334	21315	Gibbon Land, Tirap Dist., Arunachal Pradesh	1 Jan. 1984	S. Biswas	♀	ME

## 13.6. Family MURIDAE

1873. *Bandicota* Gray, *Ann. Mag. Nat. Hist.*, ser. 4. 12 : 418.

13.6.1. *Bandicota bengalensis* (Gray and Hardwicke, 1833). *Illustr. Indian. Zool.*, pl. 21.

*Common Name* (E) : Lesser Bandicoot Rat.

HB 150 - 260 mm; tail shorter than head and body; body dark brown above and paler below; anterior palatal foramina of skull long, more than 7 mm in length, narrower at the posterior end than the anterior.

*Distribution* : India, Sri Lanka, Pakistan, Nepal, Bhutan, Bangladesh extending southeast to Myanmar, Java and Penang Island.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 236	-	-	-	-	-	ME

13.6.2. *Bandicota indica* (Bechstein, 1800), *Ueber Vierfuss. Thiere.* 2 : 713.

*Common Name* (E) : Large Bandicoot Rat

Largest among murine rodents, HB 200 - 360 mm; fur coarse, long and black-tipped; body blackish brown, grizzled with pale yellow or grey above, brownish grey below, anterior palatal foramina of skull more than 7 mm in length, but equally broad at both ends.

*Distribution* : India, Nepal, Bangladesh, Sri Lanka, Myanmar, east to Vietnam, southeast to Indonesia and southern China.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 237	-	-	-	-	-	ME

14. Order LAGOMORPHA

14.1. Family I EPORIDAE

1758. *Lepus* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 57.

*Lepus nigricollis* F. Cuvier, 1823. *Dict. Sci. Nat.*, 26 : 307.

*Common Name* (E) Black-naped hare.

HB 400 - 500 mm or little more; coat rufous brown, mixed with black on back and face; breast and limbs rufous; chin, throat and lower parts white; upper surface of tail black or fufous brown; a black or rufous patch present on its nape.

*Distribution* : Pakistan, India, Sri Lanka; introduced into Java and Mauritius.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 325	21229	Khuntimari, Jalpaiguri, W.B.	1983	S.Chakra- borty	♀	ME

2.	GRM 238	-	-	-	-	-	ME
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## 15. Order SIRENIA

## 15.1. Family DUGONGIDAE

1799. *Dugong* Lacepede, *Tabl. Mamm.*, p. 17.

15.1.1. *Dugong dugon* (Muller, 1776). *Linne's Vollstand. Natursyst. Suppl.* p. 21.

*Common Name* (E) : Sea Cow

Massive fusiform animal; HB 2500 - 3200 mm; forelimb paddle like; tail in form of a horizontally flattened fin broadly notched medially into two lateral lobes, devoid of hind limb; skin thick, tough, wrinkled and almost hairless; stiff vibrissae present around the lips; neck short and pinna lacking; colour brownish or greyish; scattered stiff vibrissae present around the muzzle.

*Distribution* : Red Sea and eastern Africa to southern Japanese Archipelago, Carolina Isls., Australia, Solomon Islands, new Hebrides and New Caledonia.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 205	-	-	-	-	-	Medel
2.	GRM 206	-	-	-	-	-	Mt. Skeleton

## 16. Order CETACEA

## 16.1. Family PLATANISTIDAE

1830. *Platanista* Wagler, *Naturliches Syst. Amphibien.* p. 35.

16.1.1. *Platanista gangetica* (Roxburgh, 1801). *Asiat. Res. Trans. Soc.*, 7 : 171.

*Common Name* (E) : Gangetic Dolphin

HB 2000 - 3000 mm; body fusiform; neck short; snout prolonged to form a long, compressed beak; 27 - 32 conical teeth on each side of both jaws; colour brownish black.

*Distribution* : Ganges, Brahmaputra, Meghna, Karnaphuli and Hooghly river systems (India, Nepal and Bangladesh).

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 204	-	-	-	-	-	Mt. Skeleton
2.	GRM 212	-	-	-	-	-	Medel
3.	GRM 347	-	Ganges, Uttarpara, Hooghly	-	Arun Gupta	-	ME

## 16.2. Family DELPHINIDAE

1758. *Delphinus* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 77.16.2.1. *Delphinus delphis* Linnaeus, 1758. *Syst. Nat.*, 10th ed., 1 : 77.*Common Name* (E) : Common Dolphin

HB 1500 - 2500 mm; stream lined body; beak narrow and sharply set off from the forehead by a deep V-shaped groove; Jaws with sharp, conical 40 - 50 teeth on both sides of each jaw; colour brownish-black on the back, white on the belly, with bands and stripes of grey and white on the sides.

*Distribution* : Temperate and tropical waters of the world; Black sea.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 211	-	-	-	-	-	Model
2.	GRM 214	-	-	-	-	-	Mt. Skeleton

1866. *Sousa* Gray, *Proc. Zool. Soc. Lond.*, 1866 : 213.16.2.2. *Sousa chinensis* (Osbeck, 1765). *Reise nach Ostind. China* Rostock, 1 : 7.

N.B. Pilleri and Gahr, 1973-1974, invest. Cetacea, 5 : 95-149, considered *plumbea* to be distinct species, JGM, WFP and RLB followed Rice (IWC, 1975 *J. Fish. Res. Bd. Can.*, 32) in including this taxa in *chinensis*.

*Common Name* (E) : Plumbeous Dolphin

HB 1500 - 2500 mm; snout very long (one-sixth of the body); triangular dorsal fin; teeth between 23 to 37 on each side of both jaws; colour brownish grey to black above and lighter below.

*Distribution* : Coastal waters and rivers from Plettenberg Bay (South Africa) east to S. China and Queensland (Australia).

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 207	-	Travancore Coast	13 March 1910	Travancore Museum	-	Model

1866. *Orcaella* Gray, *Cat. Seals and Whales Br. Mus.*, p. 285.

16.2.3. *Orcaella brevirostris* (Gray, 1866). *Cat. Seals and Whales Br. Mus.*, p. 285.

*Common Name* (E) : Irrawady River Dolphin

Slaty blue body, bulging forehead, a short shelf-like beak and a small, sickle-shaped, dorsal fin located on posterior half of the animal.

*Distribution* : Coastal waters and large rivers of south-eastern Asia, northern Australia and Papua New Guinea.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 208	-	-	-	-	-	Model

1855. *Tursiops* Gervais, *Hist. Nat. Mamm.*, 2 : 323.

16.2.4. *Tursiops truncatus* (Montagu, 1821). *Mem. Wernerian Nat. Hist. Soc.*, 3 : 75.

*Common name* (E) : Bottle nosed Dolphin

HB 1700 - 3600 mm; a short well- defined beak, having 20 - 26 teeth on each side of both-jaws; body slaty blue to black above and lighter below.

*Distribution* : Tropical and temperate waters of the world, including the Black Sea.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1	GRM 209	--	-	-	-	-	Model

1828. *Globicephala* Lesson, *Compl. Oeuvres Buffon Hist. Nat.*, 1 : 441.

16.2.5. *Globicephala macrorhynchus* Gray, 1846. *Zool. Voy. H. M. S. "Erebus" and "Terror"* 1 : 33.

*Common Name* (E) : Pilot Whale

Total length about 6 m on average; weight upto 3 tonnes; bulbous pothead and long sickle shaped flippers.

*Distribution* : Tropical and subtropical waters of the world and warm temperate North Pacific; possibly north to Alaska.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 217	-	Salt Water Lakes, Kolkata	1850	E.Blyth	♀	Mt. Skeleton ASB

N.B. 'Type' of *Globicephala indicus* Blyth

### 16.3. Family PHOCAENIDAE

1817. *Phocaena* G. Cuiver, *Regn. Anim.*, 1 : 279.

16.3.1. *Phocaena phocaena* (Linnaeus, 1758). *Syst. Nat.*, 10th ed., 1 77.

*Common Name* (E) : Common Porpoise

HB 1300 - 1800 mm; head not beaked; dorsal fin triangular in shape and located just behind the middle of back; teeth between 16 and 27 on each side of both jaws; body black above, shading to white below.

*Distribution* : Temperate to arctic northern Pacific and northern Atlantic; isolated population in Black Sea.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1.	GRM 210	-	-	-	-	-	Model
2.	GRM 213	-	-	-	-	-	Mt. Skeleton

## 16.4. Family BALAENOPTERIDAE

1804. *Balaenoptera* Lacepede, *Hist. Nat. Cetacea*, p. 36, 114.16.4.1. *Balaenoptera edeni* Anderson, 1878. *Anat. Zool. Res.*, p. 551.*Common Name* (E) : Bryde's Whale

Total length upto 14.6 m; weight upto 20 tonnes; dark in colour with white on the throat; three ridges on the head and paler baleen plates with very stiff bristle.

*Distribution* : Worldwide, temperate to tropical waters.

N.B. Type locality : Myanmar, Tenasserim, between mouths of Sittang and Bilin Rivers, Thayboo Chung.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 223	-	Thayboo Chung, Gulf of Martaban, Myanmar	-	A.Eden & Major Duff	-	Mt. Skeleton ribs and arch restored in plaster (TYPE)
2.	GRM 222	-	Arakan Coast	1879	By Exchange	-	Mt. Skull

16.4.2. *Balaenoptera musculus* (Linnaeus, 1758). *Syst. Nat.*, 10th ed., 1 : 76.*Common Name* (E) : Blue Whale

HB length upto 33 m; body weight upto 170 tonnes; largest of all living animals; females, slightly larger than males; about 7 m long at birth; large baleen plate grows in the mouth replacing embryonic teeth; baleen plates white, yellowish or black in colour. Each row of baleen on either side of the mouth may consist of more than 300 plates; longitudinal furrows present on the throat and chest which numbered 80 - 100. Flippers long and tapering and dorsal fin triangular in shape and located near the tail.

*Distribution* : Worldwide, subtropical to subarctic waters.

N.B. Mentioned by Honacki *et al.* (1982) that, the type locality as Scotland, Firth of Forth, U.K.

Sl. No.	M & T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./ Donor	Sex	Remarks
1.	GRM 40	-	Amherst Is, Arakan Coast	1852	Maj. T.P. Sparks	-	Lower Jaws
2.	GRM 218	-	- do -	1852	- do -	-	Radius (Left)
3.	GRM 219	-	- do -	1852	- do -	-	Rib - 1 no
4.	GRM 220	-	- do -	1852	- do -	-	Vetebrae 4 nos. 1st 2nd, 9th, 11th Lumber
5.	GRM 221	-	- do -	1852	- do -	-	3rd (Caudal Vertebrae)
6.	GRM 216	-	Sandip Is. near Chittagong	Nov. 1874	Presented Babu Uday Chand Dutta, CMO, Noakhali Through ASB.	-	i) Skull ii) Hyoid arch. iii) right shoulder girdle iv) 2 ribs one double headed v) 5 Vertebrae Young (ASB)

## 16.5. Family MONODONTIDAE

1758. *Monodon* Linnaeus, *Syst. Nat.*, 10th ed., 1 : 75.16.5.1. *Monodon monoceros* Linnaeus, 1758. *Syst. Nat.*, 10th ed., 1 : 75.*Common Name* (E) : Narwhal

Total length may reach upto 6 m, excluding tusk; weight upto 1.8 tonnes; male much larger than female, and carries a spiralled tusk, upto about 3 m long and weighing upto 10 kg; occasionally the female has the tusk, and males may lack one; no dorsal fin; skin colour changes with age. beginning a blotchy slaty grey, becoming completely greyish\*as juveniles, to almost pure white in old age.

*Distribution* : Arctic Seas, circumpolar, occasionally as far south as the Netherlands.

Sl. No.	M&T Reg. No.	ZSI Reg. No.	Locality	Yr. of Coll./donation	Coll./Donor	Sex	Remarks
1	GRM 215	-	-	July, 1879	By Exchange Albert Institute, Free Library, Dunbee	-	Mt. Skeleton

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## GLOSSARY

- |        |                                 |         |                                   |
|--------|---------------------------------|---------|-----------------------------------|
| 1.1.1. | <i>Tachyglossus aculeatus</i>   | 8.2.4.  | <i>V. tangalunga</i>              |
| 1.2.1. | <i>Ornithorhynchus anatinus</i> | 8.2.5.  | <i>Cynogale bennettii</i>         |
| 2.1.1. | <i>Vombatus ursinus</i>         | 8.2.6.  | <i>Hemigalus derbyanus</i>        |
| 2.2.1. | <i>Didelphis marsupialis</i>    | 8.2.7.  | <i>Paguma larvata</i>             |
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| 6.1.3. | <i>P. giganteus</i>             | 8.6.12. | <i>Caracal caracal</i>            |
| 6.1.4. | <i>P. melanotus</i>             | 8.6.13. | <i>Neofelis nebulosa</i>          |
| 7.1.1. | <i>Manis javanica</i>           | 8.7.1.  | <i>Potos flavus</i>               |
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| 8.1.2. | <i>U. arctos</i>                | 8.8.1.  | <i>Hyaena hyaena</i>              |
| 8.1.3. | <i>U. thibetanus</i>            | 8.9.1.  | <i>Phoca vitulina</i>             |
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| 8.2.2. | <i>Viverricula indica</i>       | 8.10.1. | <i>Callorhinus ursinus</i>        |
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- 9.1.1. *Rhinoceros unicornis*  
 9.1.2. *R. sondaicus*  
 9.1.3. *Dicevorhinus sumatrensis*  
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 9.1.5. *Ceratotherium simum*  
 9.2.1. *Tapirus indicus*  
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 10.1.5. *Muntiacus muntjak*  
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 11.5.7. *M. nigra*  
 11.5.8. *M. ochreata*  
 11.5.9. *M. nemestrina*  
 11.5.10. *M. silenus*  
 11.5.11. *M. mulatta*  
 11.5.12. *M. maura*  
 11.5.13. *Semnopithecus entellus*  
           Syn. *Presbytis entellus*  
 11.5.14. *Presbytis obscura*  
 11.5.15. *Tachypithecus phayrei*  
           Syn. *Presbytis phayrei*  
 11.5.16. *Presbytis senix*  
 11.5.17. *Tachypithecus johnii*  
           Syn. *Presbytis johnii*  
 11.5.18. *Presbytis melalophos*  
 11.5.19. *Presbytis pileata*

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| 11.6.1. <i>Hylobates hoolock</i>                   | 13.4.7. <i>Callosciurus erythraeus</i>    |
| 11.6.2. <i>Hylobates agilis</i>                    | 13.4.8. <i>Callosciurus pygerythrus</i>   |
| 11.6.3. <i>Hylobates lar</i>                       | 13.4.9. <i>Hylopetus fimbriatus</i>       |
| 11.7.1. <i>Pan troglodytes</i>                     | 13.4.10. <i>Petaurista petaurista</i>     |
| 11.7.2. <i>Pongo pygmaeus</i>                      | 13.4.11. <i>Petaurista petaurista</i>     |
| 11.7.3. <i>Gorilla gorilla</i>                     | 13.4.12. <i>Petaurista alborufus</i>      |
| 11.8.1. <i>Homo sapiens</i>                        | 13.4.13. <i>Petaurista magnificus</i>     |
| 11.9.1. <i>Saimiri sciureus</i>                    | 13.5.1. <i>Atherurus macrourus</i>        |
| 11.9.2. <i>Aotus trivirgatus</i>                   | 13.5.2. <i>Hystrix indica</i>             |
| 11.9.3. <i>Cebus</i>                               | 13.5.3. <i>Hystrix brachyura</i>          |
| 11.10.1. <i>Leontopithecus rosalia</i>             | 13.6.1. <i>Bandicota bengalensis</i>      |
| 11.10.2. <i>Cebuella pygmaea</i>                   | 13.6.2. <i>Bandicota indica</i>           |
| 11.10.3. <i>Callithrix jacchus</i>                 | 14.1.1. <i>Lepus nigricollis</i>          |
| 12.1.1. <i>Elephas maximus</i>                     | 15.1.1. <i>Dugong dugon</i>               |
| 12.1.2. <i>Loxodonta africana</i>                  | 16.1.1. <i>Platanista gangetica</i>       |
| 13.1.1. <i>Hydrochaeris hydrochaeris</i>           | 16.2.1. <i>Delphinus delphis</i>          |
| 13.2.1. <i>Myocastor coypus</i>                    | 16.2.2. <i>Sousa chinensis</i>            |
| 13.3.1. <i>Rhizomys sinensis</i>                   | 16.2.3. <i>Orcaella brevirostris</i>      |
| 13.4.1. <i>Marmota caudata</i>                     | 16.2.4. <i>Tursiops truncatus</i>         |
| 13.4.2. <i>Ratufa bicolor</i>                      | 16.2.5. <i>Globicephala macrorhynchus</i> |
| 13.4.3. <i>Ratufa indica</i>                       | 16.3.1. <i>Phocaena phocaena</i>          |
| 13.4.4. <i>Callosciurus nigrovittatus</i>          | 16.4.1. <i>Balaenoptera edeni</i>         |
| 13.4.5. <i>Callosciurus prevosti</i>               | 16.4.2. <i>Balaenoptera musculus</i>      |
| 13.4.6. <i>Callosciurus finlaysoni ferrugineus</i> | 16.5.1. <i>Monodon monoceros</i>          |