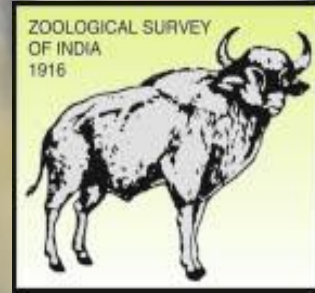




# A Checklist of Mammals of India with their distribution and conservation status

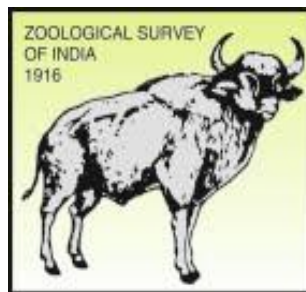


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**May, 2013**



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## Introduction

A checklist of species is an invaluable tool for both researchers and the interested public (Wilson and Reeder, 2005). The first complete systematic review of all mammals of the world was produced by Trouessart, 1897-1905 followed this number of taxonomical research has been made on mammal species of the world by Simpson and Gaylord, 1945, Walker, 1964, Nowak, 1991, Sokolov, 1973-79, Corbett and Hill, 1980, McKenna and Bell, 1997. In India the classification of mammals was dealt by many authors such as the fauna of British India- Mammalia (Pocock, 1939, 1941), checklist of Indian and Palaearctic mammals (Ellerman and Morrison-Scott, 1951), the book of Indian animals (Prater, 1971), Indo-malayan region mammals (Corbet and Hill, 1992), checklist of mammals of India (Alfred *et. al.*, 2002), field guide to Indian mammals (Menon, 2003), checklist of Scandentia and Pholidata (Srinivasalu and Srinivasalu, 2004), Chiroptera (Talmale and Pradhan, 2009) and Rodentia (Pradhan and Talmale, 2011).

As per Wilson and Reeder (2005), a total of 5416 species of mammal belonging to 154 families and 29 orders have been reported from the globe. Out of these, a total of 423 species of India, which is about 7.81% of the global mammalian species, representing 48 families and 14 orders have been listed in the present checklist (**Table 1**).

In India, chiropterans represents maximum number of species (115) followed by rodents (101) and these two taxa jointly constituting 51.06% of the total Indian mammal species. Indian carnivores are also diverse having 59 species followed by artiodactyls (37), cetaceans (33), soricomorphs (29), primates (23), lagomorphs (11), perissodactyls (5), scandents (3), erinaceomorphs (3), pholidots (2), proboscidean (1) and sirenian (1).

The nomenclature and taxonomic arrangement of the species and sub species of the Indian mammals was compiled primarily based on Pocock, 1939, 1941; Prater, 1971; Alfred *et al.*, 2002, 2006 and Wilson and Reeder, 2005 etc. However, the nomenclature of the wild species namely *Bos gaurus*, *Bos mutus* and *Bubalus arnee* was followed as per International Commission on Zoological Nomenclature, 2003 and Gentry *et al.*, 1996, 2004. The distribution of species and subspecies of the Indian mammals in India and other countries has been presented in this checklist. The current conservation status of the Indian mammals as per IUCN Red list of Threatened Species, 2012, Indian Wildlife (Protection) Act, 1972 and CITES, 2012 are given in this list up to the sub species level. Of the 423 mammal species, 44 species are endemic and 4 species are extinct from India (*i.e.* *Acinonyx jubatus*, Cheetah; *Bos javanicus*, Banteng; *Dicerorhinus sumatrensis*, Sumatran Rhinoceros and *Rhinoceros sondaicus*, Javan Rhinoceros), which are also incorporated in this list. The present list does not include any domesticated mammals of India.



**Table 1. Mammals of India with their Distribution and Conservation Status.**

I. Order: Proboscidea							
1. Family: ELEPHANTIDAE (Elephants)							
Sl. No.	Species and Subspecies (Scientific and Common Names)	Distribution		Conservation Status			References
		India	Elsewhere	IUCN (Red list Category)	IW(P)A (Schedule)	CITES (Appendix)	
1.	<b><i>Elephas maximus</i> Linnaeus, 1758</b> <b>Asiatic Elephant</b>	North East and South India, Bihar, Jharkhand, Odisha, Uttarakhand, Uttar Pradesh and West Bengal	Bangladesh, China, Combdia, Indonesia, Laos, Malaysia, Myanmar, Sri Lanka, Thailand and Viet Nam	EN	I	I	Alfred <i>et al.</i> , 2002, 2006; Prater, 1971; Wilson and Reeder, 2005
1a.	<i>Elephas maximus indicus</i> (Cuvier), 1798 Indian Elephant	North East and South India, Bihar, Jharkhand, Odisha, Uttarakhand, Uttar Pradesh, West Bengal and some feral in Andaman & Nicobar Is.	Sri Lanka and mainland of Southeast Asia	-	-	-	Alfred <i>et al.</i> , 2002; Pocock, 1939; Prater, 1971; Wilson and Reeder, 2005
II. Order: Sirenia							
2. Family: DUGONGIDAE (Dugong)							
2.	<b><i>Dugong dugon</i> (Muller, 1776)</b> <b>Sea cow/Dugong</b>	Andaman & Nicobar Is., Gulf of Mannar, Palk Bay and Gulf of Kachchh	Tropical coastal waters of north and west Pacific Oceans & Coastal and Island waters between East Africa and Vanuatu	VU	I	I	Alfred <i>et al.</i> , 2002, 2006; Vivekanandan and Jeyabaskaran, 2012; Wilson and Reeder, 2005
III. Order: Scandentia							
3. Family: TUPAIIDAE (Tree shrews)							
3.	* <b><i>Anathana ellioti</i></b>	South of Ganges	-	LC	-	II	Alfred <i>et al.</i> , 2002,

	Nepalese Red Panda	Sikkim and West Bengal					Pocock, 1941; Wilson and Reeder, 2005
XII. Order: Perissodactyla							
36. Family: <b>EQUIDAE</b> (Asses)							
<b>349.</b>	<b><i>Equus hemionus</i> Pallas, 1775</b> <b>Asiatic Wild Ass</b>	Runn of Kachchh (Gujarat)	Afghanistan, Iraq, Iran, Pakistan, Russia, Turmenia and Uzbekistan	EN	-	I	Alfred <i>et al.</i> , 2002, 2006; Prater, 1971; Wilson and Reeder, 2005
349a.	<i>Equus hemionus khur</i> Lesson, 1827 Indian Wild Ass	Runn of Kachchh (Gujarat)	Pakistan	-	I	-	Alfred <i>et al.</i> , 2002; Wilson and Reeder, 2005
<b>350.</b>	<b><i>Equus kiang</i> Moorcroft, 1841</b> <b>Kiang</b>	Jammu & Kashmir and Sikkim	China, Nepal and Pakistan	LC	I	II	Alfred <i>et al.</i> , 2002, 2006; Wilson and Reeder, 2005
350a.	<i>Equus kiang kiang</i> Matschie, 1911 Western Kiang	Jammu & Kashmir	China and Nepal	-	I	-	Alfred <i>et al.</i> , 2002; Wilson and Reeder, 2005
350b.	<i>Equus kiang polyodon</i> Hodgson, 1847 Southern Kiang	Sikkim	China	-	-	-	Alfred <i>et al.</i> , 2002; Wilson and Reeder, 2005
37. Family: <b>RHINOCEROTIDAE</b> (Rhinoceroses)							
<b>351</b>	<b>** <i>Dicerorhinus sumatrensis</i> (G. Fischer, 1814)</b> <b>Sumatran Rhinoceros</b>	In past it used to occur in North East India	Indonesia, Malaysia, Bangladesh, Bhutan, Brunei Darussalam, Cambodia, Laos, Thailand and Viet Nam	CR	-	I	Prater, 1971; Wilson and Reeder, 2005
351a.	** <i>Dicerorhinus sumatrensis lasiotis</i> (Buckland, 1872) Northern Sumatran Rhinoceros	In past it used to occur in North East India	Bhutan, Bangladesh and Myanmar	EX (India)	-	-	Wilson and Reeder, 2005
<b>352.</b>	<b>** <i>Rhinoceros sondaicus</i> Desmarest, 1822</b> <b>Javan Rhinoceros</b>	In past it used to occur in North East India	Indonesia, Viet Nam, Bangladesh, Cambodia, China, Laos, Malaysia, Myanmar and Thailand	CR	-	I	Prater, 1971; Wilson and Reeder, 2005
352a.	** <i>Rhinoceros sondaicus inermis</i> Lesson,	In past it used to	Bangladesh and	EX	-	-	Wilson and Reeder,

	1840	occur in North East India	Myanmar	(India)			2005
353.	<b><i>Rhinoceros unicornis</i> Linnaeus, 1758 Indian Rhinoceros</b>	Assam, Uttar Pradesh and West Bengal	Bangladesh, Bhutan and Nepal	VU	I	I	Alfred <i>et al.</i> , 2002, 2006; Prater, 1971; Wilson and Reeder, 2005
XIII. Order: Artiodactyla 38. Family: <b>SUIDAE</b> (Pigs)							
354.	<b><i>Porcula salvania</i> Hodgson, 1847 Pygmy Hog</b>	South of the Himalayan foothills from north-western Uttar Pradesh and Assam	Bangladesh and Nepal	CR	I	I	Alfred <i>et al.</i> , 2002, 2006; Wilson and Reeder, 2005
355.	<b><i>Sus scrofa</i> Linnaeus, 1758 Wild Pig</b>	Throughout the country	All continents except Antarctica, and on many oceanic islands	LC	III	-	Alfred <i>et al.</i> , 2002, 2006; Wilson and Reeder, 2005
355a.	<i>Sus scrofa cristatus</i> Wagner, 1839 Indian Wild Pig	Central, North, North West, North East and South India	Nepal, Myanmar and western Thailand to Isthmus of Kra	-	-	-	Alfred <i>et al.</i> , 2002; Wilson and Reeder, 2005
355b.	<i>Sus scrofa davidi</i> Groves, 1981	North West India	Iran, Myanmar and Pakistan	-	-	-	Alfred <i>et al.</i> , 2002; Wilson and Reeder, 2005
39. Family: <b>TRAGULIDAE</b> (Mouse deer)							
356.	<b><i>Moschiola indica</i> Gray, 1852 Indian Chevrotain</b>	From Tamil Nadu to Madhya Pradesh	Nepal	LC	I	-	Alfred <i>et al.</i> , 2002, 2006; Prater, 1971; Wilson and Reeder, 2005
40. Family: <b>MOSCHIDAE</b> (Musk deer)							
357.	<b><i>Moschus chrysogaster</i> (Hodgson, 1839) Alpine Musk Deer</b>	Jammu & Kashmir, Himachal Pradesh, Uttar Pradesh and Sikkim	Bhutan, China and Nepal	EN	I	I	Alfred <i>et al.</i> , 2002, 2006; Prater, 1971; Wilson and Reeder, 2005

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### **Abbreviations:**

**IUCN:** International Union for Conservation of Nature and Natural Resources; **EX:** Extinct; **CR:** Critically Endangered; **EN:** Endangered; **VU:** Vulnerable; **NT:** Near Threatened; **LC:** Least Concern; **DD:** Data Deficient.

**IW(P)A:** Indian Wildlife (Protection) Act, 1972.

**CITES:** Convention on International Trade in Endangered Species of Wild Fauna and Flora.

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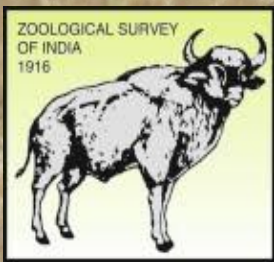
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**Cover Page Photo: *Antelope cervicapra* (Linnaeus, 1758), Blackbuck.  
Back Page Photo: *Axis axis* (Erxleben, 1777), Chital or Spotted Deer.**