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## Conservation status of Indian mammals as per the IUCN Red List, Indian Wildlife (Protection) Act, 1972 and CITES

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### Abstract

In the present study, the numbers of mammals under different conservation status headings were mentioned as per the IUCN Red List, Indian Wildlife (Protection) Act, 1972 and CITES. A total of 417 species of Indian mammals have been classified from the Regionally Extinct (India) to Data Deficient by the IUCN. As per the IWPA, there are 171 species and subspecies of Indian mammals are listed under the Schedule I to IV and as per the CITES, there are 146 species and subspecies of Indian mammals are listed under the Appendix I to III. These statistical data would help for the introductory conservation action against Indian mammals.

**Keywords:** Conservation status, Indian mammals, IUCN, IWPA, CITES

### 1. Introduction

The mammals of India accounts for more than 400 species, which is about 8% of the global mammalian species, representing 48 families and 13 orders<sup>[4]</sup>. Indian mammals represent from the world smallest mammal Etruscan Shrew *Suncus etruscus* to the world largest mammal Blue Whale *Balaenoptera musculus*. In an overall proportion, the conservation status of Indian mammals is unknown. Generally, the conservation status of Indian fauna is determined by the IUCN Red List of Threatened Species<sup>[2]</sup>, Indian Wildlife (Protection) Act, 1972 (Schedule I - IV)<sup>[3]</sup> and Convention on International Trade in Endangered Species of Wild Fauna and Flora (Appendix I - III)<sup>[1]</sup>.

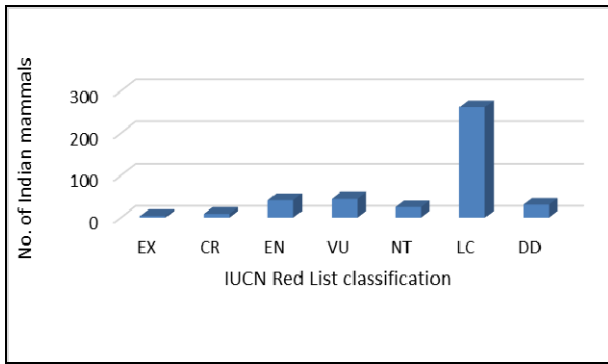
### 2. Materials and Methods

All the statistical data of the conservation status of Indian mammals were collected during 2017. In the present study, the current conservation status of Indian mammals has been gathered from the official website of the IUCN Red List of Threatened Species 2016-3 (IUCN Red List)<sup>[2]</sup> and from the gazette publication of Indian Wildlife (Protection) Act, 1972 (IWPA)<sup>[3]</sup> and official website of Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)<sup>[1]</sup>.

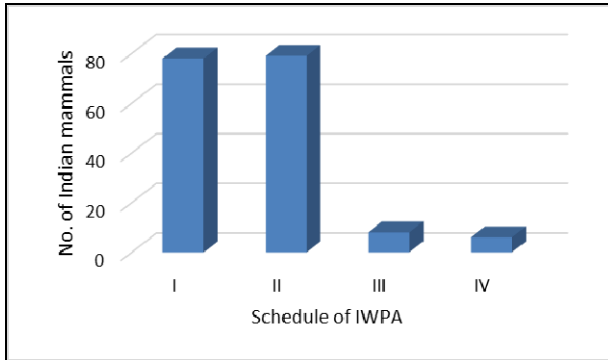
### 3. Results and Discussion

As per the IUCN Red List, a total of 417 species of Indian mammals have been classified from the Regionally Extinct (India) to Data Deficient (Fig. 1) such as 4 species are Extinct, 9 (Critically Endangered), 42 (Endangered), 45 (Vulnerable), 25 (Near Threatened) 261 (Least Concern) and 31 species are Data Deficient; Cheetah *Acinonyx jubatus*, Banteng *Bos javanicus*, Sumatran Rhinoceros *Dicerorhinus sumatrensis* and Javan Rhinoceros *Rhinoceros sondaicus* are the Regionally Extinct mammals from India<sup>[2]</sup>. As per the IWPA, there are 171 species and subspecies of Indian mammals are listed under the Schedule I to IV (Fig. 2) such as 78 species are in Schedule I, 79 (Schedule II), 8 (Schedule III) and 6 (Schedule IV)<sup>[3]</sup>. As per the CITES, there are 146 species and subspecies of Indian mammals are listed under the Appendix I to III (Fig. 3) such as 68 mammals are Appendix- I, 51 (Appendix- II), and 27 (Appendix- III)<sup>[1]</sup>.

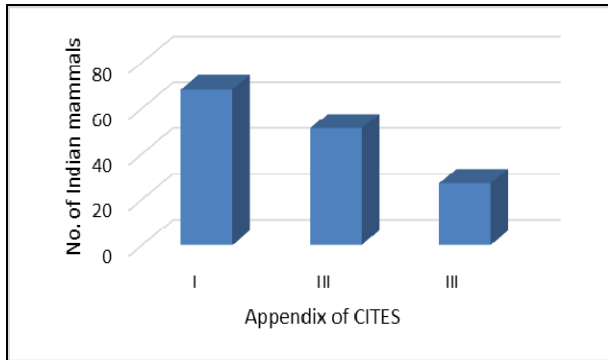
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**Fig 1:** Conservation status of Indian mammals as per the IUCN Red List classification (n= 417).



**Fig 2:** Conservation status of Indian mammals as per the IWPA (n=171).



**Fig 3:** Conservation status of Indian mammals as per the CITES (n=146).

#### 4. Conclusion

The above mentioned numbers of mammals under different conservation status headings would help for the introductory conservation action against Indian mammals.

#### 5. Acknowledgements

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#### 6. References

1. CITES (Convention on International Trade in Endangered Species of Wild Fauna and Flora) Appendices I, II & III (valid from 2 January 2017), 2017, 1-21.
2. IUCN. The IUCN Red List of Threatened Species. Version 2016-3, 2017; <<http://www.iucnredlist.org>>.
3. Sharma G, Kamalakannan M, Venkataraman K. An Identification Manual for Schedule Mammals of India

[Indian Wildlife (Protection) Act, 1972]. Published by the Director, Zoological Survey of India, Kolkata, India, 2015, 1-64.

4. Wilson DE, Reeder DM. Mammal Species of the World: A Taxonomic and Geographic Reference- Third Edition Johns Hopkins University Press, Baltimore, 2nd edn, 2005, 1-2141.