THE WILD LIFE (PROTECTION) AMENDMENT BILL, 2021
VOLUME – I
RECOMMENDATIONS OF THE COMMITTEE

(Presented to the Hon’ble Chairman, Rajya Sabha on the 21st April, 2022)
(Forwarded to the Hon’ble Speaker, Lok Sabha on the 21st April, 2022)
PARLIAMENT OF INDIA
RAJYA SABHA

DEPARTMENT-RELATED PARLIAMENTARY STANDING COMMITTEE
ON SCIENCE AND TECHNOLOGY, ENVIRONMENT, FORESTS AND
CLIMATE CHANGE

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Rajya Sabha Secretariat, New Delhi
April, 2022/ Vaisakha, 1944 (Saka)
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COMPOSITION OF THE COMMITTEE
(2021-22)
(Constituted w.e.f. 13th September, 2021)

1. Shri Jairam Ramesh - **Chairman**
   **RAJYA SABHA**
2. Shri Anil Baluni
3. Shrimati Vandana Chavan
4. Shrimati Seema Dwivedi
5. Ms. Indu Bala Goswami
6. Shri Jognipally Santosh Kumar
7. Shri Parimal Nathwani
8. Shri Bhaskar Rao Nekkanti
9. Shri Nabam Rebia
10. @Shrimati Rajani Ashokrao Patil
    **LOK SABHA**
11. Shri Guharam Aigalley
12. Shri Pradan Baruah
13. Shri E.T. Mohammed Basheer
14. Shri Jashvantsinh Sumanbhai Bhabhor
15. Shri Sudarshan Bhagat
16. Shri Anantkumar Hegde
17. Shri S. Jagathrakshakan
18. Shri Mohammed Azam Khan
19. Shrimati Jyotsna Charandas Mahant
20. Dr. Swami Sakshiji Maharaj
21. Shri Asaduddin Owaisi
22. Shri Kotha Prabhakar Reddy
23. Dr. Jayanta Kumar Roy
24. *Shrimati Sajda Ahmed
25. Shri Francisco Sardinha
26. Shri Anurag Sharma
27. Shri Mahesh Sahoo
28. Dr. M.P. Abdussamad Samadani
29. Shri Kirti Vardhan Singh
30. Dr. Ramapati Ram Tripathi
31. Shri Ram Shiromani Verma
   **SECRETARIAT**
   Shri Pradeep Chaturvedi, Joint Secretary
   Dr. (Smt.) Subhashree Panigrahi, Director
   Shri Rakesh Anand, Additional Director
   Shri Deepak Bhoria, Under Secretary
   Shri Harish Kumar, Committee Officer
   Shri Ankit Chansoria, Assistant Committee Officer

*Nominate w.e.f. 1st December, 2021 in lieu of Shrimati Satabdi Roy (Banerjee), M.P., Lok Sabha
@Nominate w.e.f. 8th December, 2021 against vacancy created upon resignation of Prof. Manoj Kumar Jha from the Committee w.e.f. 11th October, 2021
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28. Dr. Ramapati Ram Tripathi
29. Shri Ram Shiromani Verma
30. #Vacant
31. $Vacant

SECRETARIAT
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Dr. (Smt.) Subhashree Panigrahi, Director
Smt. Monica Baa, Additional Director
Shri Sammer Kapoor, Deputy Secretary
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#Shri E.T. Mohammed Basheer ceased to be the member of the Committee w.e.f. 7th February, 2022
$ Shri Mohammad Azam Khan ceased to be the Member of the Committee w.e.f. 22nd March, 2022

(ii)
INTRODUCTION

I, the Chairman of the Department-related Parliamentary Standing Committee on Science and Technology, Environment, Forests and Climate Change, having been authorised by the Committee to present the Report on its behalf, present this ‘Three Hundred Sixty Fifth Report’ on ‘The Wild Life (Protection) Amendment, Bill, 2021’.

2. The Report of the Committee is in two Volumes, wherein Volume – I contains the recommendations of the Committee on the Bill and Volume – II contains the written memoranda on the subject matter, submitted before the Committee, by individuals/experts/institutions.

3. The Committee wishes to express its thanks to the Secretary and other officers of the Ministry of Environment, Forest and Climate Change and the representatives of Ministry of Law and Justice for placing before the Committee the material and information desired in connection with the examination of the Bill. The Committee also acknowledges the contribution of all those who deposed before the Committee and also those who gave their valuable suggestions on the provisions of the Bill to the Committee through their written submissions.

4. The Committee considered and adopted the Report in its meeting held on the 18th April, 2022.

NEW DELHI;  
21st April, 2022  
Vaisakha 01, 1944 (Saka)

JAIRAM RAMESH  
Chairman,  
Department-related Parliamentary Standing Committee on Science and Technology, Environment, Forests and Climate Change, Rajya Sabha.
INTRODUCTION

1.1 The Wild Life (Protection) Amendment Bill, 2021 was introduced in the Lok Sabha on December 17th, 2021. The Bill (annexed at the end of the Report at Annexure V) was referred to the Department-related Parliamentary Standing Committee on Science and Technology, Environment, Forests and Climate Change on December 25, 2021 for consideration and report within three months, i.e. by March 24, 2021. On the request made by the Chairman of the Committee, Hon'ble Chairman, Rajya Sabha granted one month’s extension of time upto 24th April, 2022 for presentation of Report.

1.2 In pursuance of the task at hand, the Committee held one meeting with officials of the Ministry of Environment, Forests and Climate Change on January 31, 2022. It met with noted experts on wild life conservation on February 1, 2022 and with officials of eight State Governments on March 8, 2022. The Chairman of the Committee held an informal virtual consultation with a number of experts and institutions on February 13, 2022, details of which are in Annexure I. The Chairperson has also held quite a few informal consultations with officials of the Ministry of Environment, Forests and Climate Change.

1.3 An Advertisement was published in major national Hindi and English daily newspapers on 27th January, 2022, calling for written representations by individuals/experts/NGOs on the Bill. In response, the Committee received around sixty representations from various individuals and institutions on the Bill. The list is at Annexure II. A number of these representations are very substantive and detailed.

1.4 The Committee urges the Ministry of Environment, Forests and Climate Change to study these representations carefully for they contain many valuable suggestions for making the Wild Life Protection Act, 1972 (hereinafter referred to as the principal Act) more effective especially in terms of its implementation. The entire set of these representations is contained in Volume II of this Report.
CHAPTER 2

BACKGROUND TO ‘THE WILD LIFE (PROTECTION) AMENDMENT BILL, 2021’

2.1 The Ministry of Environment, Forests and Climate Change, in its background note, submitted before the Committee that the Wild Life (Protection) Act, 1972 (53 of 1972), provides legal framework for the protection of various species of wild animals and plants, management of their habitat and the regulation and control of trade in wild animals, plants and their parts and products. The Act has been amended several times as per requirements, and the last amendment to the Act was made in the year 2006.

2.2 It was submitted before the Committee that India is a Party to the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) which requires that Parties take appropriate measures to enforce its provisions and prohibit trade in violation thereof. CITES regulates trade in over 38,700 species of wild animals and plants. Currently 183 countries are Party to CITES. Non-compliance by a country to adopt appropriate legislation to implement CITES may result in a recommendation to suspend trade in CITES-listed species with such country. Such a recommendation was made in respect of India in December 2004 but was withdrawn in March 2005 following assurances by India.

2.3 Further, the Ministry informed that India has been implementing CITES through the Customs Act 1962, Foreign Trade (Development and Regulation) Act, 1992 the Exim Policy, and the Wild Life (Protection) Act 1972. However, the CITES Secretariat has noted certain gaps in India’s implementation of the CITES. India has been identified by the CITES Standing Committee as one of the Parties requiring attention as a matter of priority regarding its national legislation. A recommendation to suspend trade with India for CITES-listed species would affect India’s exports and imports of such species which include Agarwood, Sheesham, Red Sanders, medicinal and aromatic plants, wood and wood products, etc.

2.4 Elaborating on the contents and the purpose of ‘the Wild Life (Protection) Amendment Bill, 2021’, the Ministry in its background note stated that a process for incorporating the CITES provisions in Wild Life (Protection) Act, 1972 was started earlier and the Wild Life (Protection) Amendment Bill was introduced in Parliament in 2013 along with some other amendments. However, the 2013 Bill was withdrawn in 2015 for undertaking comprehensive review. The Wild Life (Protection) Amendment Bill, 2021 proposes to amend the Wild Life (Protection) Act, 1972 so as to incorporate the necessary changes to appropriately implement CITES in India.
CHAPTER 3

AN OVERVIEW OF AMENDMENTS PROPOSED IN BILL

3.1 The total number of amendments proposed in the Bill are fifty including eleven amendments to definitions. The number of significant amendments are twenty-eight and the number of consequential amendments are sixteen. Six amendments are procedural in nature. In addition, one altogether new chapter (with fifteen Sections plus six amendments to existing Sections) is included in the Bill.

3.2 The six major objectives of the Bill as presented by the Ministry of Environment, Forests and Climate Change, before the Committee, are as follows:

- Ensuring international trade in wildlife is legal, sustainable and traceable by implementing the Convention of International Trade in Endangered Species of Wild Fauna and Flora (CITES).
- Protection of native Indian gene pool\(^1\).
- Improved management of protected areas.
- Improved care for seized and surrendered wild animals
- Ensuring deterrence by enhancing fines.
- Rationalization of Schedules to the existing Act.

\(^1\) There are many Indian domesticated species as well that are not included. Therefore, the addition of the word ‘wild’ would, in the view of the Standing Committee distinguish between the two.
CHAPTER 4

OBSERVATIONS AND RECOMMENDATIONS OF THE COMMITTEE ON MAJOR OBJECTIVES OF THE BILL

CITES

4.1 The most important reason given by the Ministry of Environment, Forests and Climate Change for introducing the Bill is the urgent need to provide legislative backing to commitments made by India over the past many years to the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES). The Committee is in full agreement that such domestic legislation has now become essential to demonstrate India’s long-standing commitment to implement in letter and spirit, the provisions of CITES. The most appropriate way to do so would have been to bring amendments in the Biological Diversity Act, 2002 and not in the Wild Life (Protection) Act, 1972 since the mandate of CITES is the sustainable use of bio-diversity. But that has not been the route adopted by the Ministry of Environment, Forests and Climate Change, eventhough other amendments to the Biological Diversity Act, 2002 contained in the Biological Diversity (Amendment) Bill, 2021 are presently being examined by a Joint Committee of Parliament on the Biological Diversity (Amendment) Bill, 2021.

4.2 Even assuming that the amendments to the Wild Life (Protection) Act, 1972 are needed, the Committee is of the opinion that the approach adopted by the Ministry of Environment, Forests and Climate Change to provide legislative sanctity to India’s commitments to CITES in the Bill, is not very convenient. The approach proposed in the Bill will make the principal Act too unwieldy and complicated and could introduce contradictions since the basic construct of the 1972 Act has always been prohibitive whereas the underlying theme of CITES is facilitative or enabling.

4.3 There are two other options available for giving legislative sanctity to our CITES commitments. First is to have a separate law for CITES itself. Second, is to introduce amendments in the relevant Sections of the principal Act without necessarily having an elaborate Chapter VB in the principal Act as proposed in the Bill. This particular option has very strong support in the larger professional wild life conservation community in the country many of whom have an international name and recognition as well. This would involve simple amendments to the principal Act in Sections 2(5), 2 (18A), 2 (19), 2 (27), 2 (36), 3(1), 3(2), 3A, 9, 40, 40A(1), 41(1b), 48 (bii), 49A, 51(1A), 51A and 57 and shall ensure India’s commitment to the Convention without disturbing the basic structure of the principal Act.

4.4 The Committee has discussed both these options in detail with the Ministry of Environment, Forests and Climate Change. The Ministry has given a detailed response on the second option which is provided in Annexure III. At the request of the Committee’s chairperson, this response has been critiqued by two eminent experts, which is provided in Annexure IV. The Committee urges the Ministry of Environment, Forests and Climate Change to give the most careful consideration to this critique and engage in a direct conversation with the experts.

4.5 While it believes that the second option is the most desirable to take, with the objective of building a consensus on this contentious issue without getting into a prolonged debate the Committee suggests a third alternative.
4.6 In this alternative the unwieldy and complicated Schedule IV which clutters up the principal Act is eliminated and all references to Schedule IV in the Bill are replaced by the words “the CITES Appendices”. A new definition for “CITES Appendices” will then have to be inserted that reads thus:

“CITES Appendices shall mean Appendices I, II and III of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) as they apply to India as notified by the Government of India from time to time”.

4.7 In addition, there is need for absolute clarity that nothing contained in the proposed Chapter VB could facilitate breeding and trade of native Indian species listed in the revised Schedule I and II of the principal Act. Hence, the proposed Section 49R needs to be modified to read as follows:

“49R.- (1) Nothing in Sections 49M, 49N, or 49O of this Chapter shall apply to a species listed in Schedule I or Schedule II if the same species is also listed in the CITES Appendices.

(2) The provisions of this Chapter shall be subject to the provisions of Chapters III, IIIA, IVA, V, and VA of this Act and without prejudice to anything contained therein.”

4.8 The Committee would also like to suggest that the Ministry of Environment, Forests and Climate Change revisit Clause 30 in the Bill in its entirety and see which of its provisions must necessarily form part of the principal Act and which can be made part of the Rules. For instance, while the establishment of a Management Authority and a Scientific Authority mandated by CITES should be in the principal Act, there are other provisions in Clause 30 which are of a procedural nature that could be part of the Rules so that the principal Act is not seen to be just CITES-centric.

PROTECTION OF NATIVE INDIAN GENE POOL

4.9 The Committee is in broad agreement with the amendments proposed for the protection of native Indian gene pool. However, it would also like to point out that species could be alien and invasive as far as a particular ecosystem within the country is concerned. Invasive alien species may not be just restricted to those from outside India. There must be a well-considered scientific and transparent process for proposing, evaluating, listing (and delisting as well) invasive alien species, along with enabling provisions directing the formulation of specific management measures.

IMPROVED MANAGEMENT OF PROTECTED AREAS

4.10 While reiterating the imperative to keep protected areas truly protected, the Committee is broadly in agreement with the amendments proposed for improved management of protected areas, especially the provision for fulfilling the bona fide use of drinking and household water by local communities. However, the Committee believes that clarifications will be needed in the Rules on what constitutes ‘drinking and household water by local communities’ since any activity can get justified for this use if no details are stipulated. The Rules should clarify which water-related activities are allowed on Government lands and on private lands in protected areas.
4.11 One specific amendment that has caused considerable anguish in the wild life conservation community is the one relating to the creation of a Standing Committee of the State Board for Wild Life (SBWL). The reason given by the Ministry of Environment, Forests and Climate Change for this provision is to make the functioning of the SBWL more purposive. The legitimate worry is that such a Standing Committee with no more than twelve members will be packed with official members, exercise all powers of the SBWL and take decisions independent of the SBWL itself and end up being a rubber stamp for faster clearances of projects.

4.12 At present the SBWL is chaired by the Chief Minister and it was the view of all state governments that appeared before the Committee that the Chief Minister should continue to do so. This Committee is of the view that if a Standing Committee of the SBWL is to be formed, then it must mandatorily have as its members:

   a) at least one-third of the non-official members of the SBWL;
   b) at least three institutional members (like ICFRE, NTCA, etc); and
   c) the Director of the Wildlife Institute of India or his/her nominee.

The same composition should be applicable to the National Board for Wild Life (NBWL) as well.

IMPROVED CARE FOR SEIZED AND SURRENDERED WILD ANIMALS

4.13 The Committee is in broad agreement with the amendments being proposed for improved care for seized and surrendered wild animals. However, one specific amendment in this regard that provides for transfer or transport of live elephants, although with conditions prescribed by the Central Government, has raised serious concern in the wild life conservation community including amongst some State Governments.

4.14 The Committee is deeply conscious of the fact that a number of religious and cultural institutions in some States own elephants which play a crucial role in daily worship and rituals. That is why it has attempted to strike a careful balance to ensure that age-old traditions are not interfered with while at the same time addressing widespread concerns that nothing should be done to even give an impression that private ownership of elephants and trade in them is going to be encouraged.

4.15 Hence, the Committee strongly recommends the deletion of Clause 27 as proposed in the Bill. However, in order to ensure a future pathway of acquisition of elephants by religious institutions, the Committee recommends the insertion of the following proviso after sub-Section (2) of Section 43 of the principal Act:

   “Provided that the Central Government, may if it considers appropriate, prescribe such additional terms and conditions as may be necessary, subject to which any transfer or transport of an existing captive elephant for a religious institution may be conducted by a person having a valid certificate of ownership.

4.16 The Committee expresses the hope that such additional terms and conditions will be finalized after consultations with individuals and institutions that are active in the field of elephant conservation, protection and welfare. These rules should also have clear provisions for remedial action if the additional terms and conditions are not fulfilled.
ENSURING DETERRENCE BY ENHANCING FINES

4.17 The Committee is in broad agreement with the amendments proposed for ensuing deterrence by enhancing fines. In this connection it would also like to point out the need for far stricter enforcement of the law. Reports appear periodically on how the law is being circumvented. For instance, star turtles are one of the most valued and sought after species from India. There is rampant smuggling from India and the Wild life Crime Control Bureau has made seizures at airports. But surveillance needs to be intensified not only for this species but for many others also. The Bureau has also to become more alert, as part of an international coalition, to the growing use of digital and social media platforms for trafficking and illegal trade in wild life.

4.18 The Committee also would like to point out that there should be a distinction between a criminal act and possible erroneous breach of the law, especially regarding permissions granted for education, science and research. The latter should attract fines undoubtedly but not imprisonment.

RATIONALIZATION OF SCHEDULES IN PRINCIPAL ACT

4.19 ‘The Wild Life (Protection) Amendment Bill, 2021’, proposes to replace the existing six Schedules in the principal Act, with three Schedules- Schedule I for species that will enjoy the highest level of protection, Schedule II for species that will be subject to a lesser degree of protection and Schedule III that covers plants.

4.20 The Committee is in agreement with this proposal. However, it finds a number of species missing in all the three Schedules. It also finds species that should be in Schedule I but have been placed in Schedule II. There are species missing altogether both in Schedules I and II as well as in Schedule III. Schedules I and II as proposed in the Bill will also not be able to be referenced easily by those entrusted with the responsibility of implementing the amended Act since they are arranged according to their scientific names in Latin.

4.21 Hence, the Committee recommends major changes in all the three Schedules and also restructured Schedules I and II in a manner that makes them easy to read and look up. For instance, the species are arranged under broad groups (in scientific language called taxa) and listed by common names of species in alphabetical order which is not the case in the Bill.

4.22 The Committee would also like to point out that due to the reduction in the number of Schedules in the Bill, many species fail to appear in either Schedule I or Schedule II. In the principal Act this was addressed by including the broad family (taxa) in the schedules other than Schedule I and Schedule II where there were no/minor penalties associated with hunting these species but the species were defined as wild life, thereby offering them protection. This anomaly needs to be addressed by the Ministry of Environment, Forests and Climate Change by having a separate schedule for all species that do not feature in Schedules I and II. Currently, the Schedules I, II and III are having most of the bird species, but the same cannot be said for mammals, reptiles, amphibians, fish, invertebrates, and plants.

4.23 Schedules I, II and III revised by the Committee based on extensive feedback received from various institutions and experts are appended to this Report. The Committee urges the Ministry of Environment, Forests and Climate Change to consult the Botanical Survey of India (BSI) to make Schedule III more comprehensive.
CHAPTER 5

RECOMMENDATIONS OF THE COMMITTEE ON TWO ISSUES NOT CONTAINED IN THE BILL

Human-Animal Conflict

5.1 Although an advisory was issued on January 6th, 2021 by the Ministry of Environment, Forests and Climate Change to State Governments, the Bill does not contain any specific provisions to deal with the concerns raised by members of the Committee on the issue of human-animal conflict which, in many ways, reflects on the success of conservation and protection programmes for which India has been a pioneer and has emerged as a world-leader. Given these concerns the Committee has made some suggestions in this regard which it hopes will be considered seriously by the Ministry of Environment, Forests and Climate Change before the Bill is brought back to Parliament.

5.2 Subject experts who appeared before the Committee and others who submitted detailed memoranda have also sought for specific provisions in the law. The Committee has also considered the question as to why another Statutory Committee is required when the law already empowers constitution of the State Board for Wild Life and the justification is as follows:

a) That Human-Animal Conflict (HAC) is a complex issue as serious as hunting and therefore needs legislative backing in order to effectively manage the situation;

b) That HAC requires to be disaggregated into those conflicts that endanger human life and property (as in the case of elephants and large carnivores) and those that damage human property – for example, crop damage.

c) That the HAC Advisory Committee will be headed by the Chief Wild Life Warden who is the sole authority under Section 11 (1) (a) of the principal Act to take decisions in respect of Schedule I animals and can now consult the said committee under the proposed Section 33C of the principal Act, so that all aspects pertaining to the issue can be discussed which will enable the Chief Wild Life Warden in proper decision making, particularly in contentious situations involving huge media & public outcry;

d) That a specialized committee, having limited members with in-depth technical knowledge for evolving effective site-specific plans/ mitigation strategies including recommendations on changing cropping patterns and for taking critical decisions at short notice, empowered under the law is necessary;

e) That the recommended Committee with over 10 members chaired by the Minister in charge of Ministry of Environment, Forests and Climate Change may not have the specialized knowledge in terms of technical issues like chemical immobilization and specialized capture techniques, translocation, identification of corridors for long-term resolution etc.;

f) That in order to deal with law & order situations which erupt in most HAC situations, a senior police officer empowered under the law has been recommended so
that appropriate orders, to Superintendents of Police to effectively control law & order and ensure protection to forest staff and property, can be issued;

**Wild life Science**

5.3 Over the past half a century since the Wild Life (Protection) Act, 1972 came into being; India has built up impressive capabilities in wild life science. Indian institutions and individuals have acquired global standing. The Committee believes that this infrastructure needs to be mobilized more meaningfully in the cause of wild life conservation, protection and management. The Committee has made some initial suggestions in this regard. A detailed memorandum on this specific subject has been received from a group of wild life scientists and forms part of volume II of the Committee’s Report. The Committee recommends that the Ministry of Environment, Forests and Climate Change think more on this issue before coming back to Parliament with a new Bill. The Wildlife Institute of India in Dehradun also needs significant strengthening and expansion which must be supported fully from the budget of the Ministry of Environment, Forests and Climate Change.
CHAPTER 6

RECOMMENDATIONS OF THE COMMITTEE FOR INSERTION OF ADDITIONAL CLAUSES (NOT CONTAINED IN THE BILL) IN THE PRINCIPAL ACT

6.1 Before giving its Clause-by-Clause recommendations, the Committee recommends the following additional insertions in the principal Act, which are not contained in the Wild Life (Protection) Amendment Bill, 2021.

Insertion in Section 5B (2) of principal Act

6.2 The Committee recommends the following insertion in Section 5B (2) of the principal act:

For the words “and not more than ten members to be nominated by the Vice-Chairperson from amongst the members of the National Board”, the words “and at least one-third of the non-official members of the National Board to be nominated by the Vice-Chairperson, at least three institutional members of the National Board to be nominated by the Vice-Chairperson and the Director of the Wildlife Institute of India or his/her nominee” shall be substituted.

Insertion in Section 12 of principal Act

6.3 The Committee recommends the following insertion in Section 12 of the principal act:

For the words “to hunt”, the words “to capture, snare, trap, bait, tranquilize, radio tag, dart and collect” shall be substituted.

Insertion as Section 12(e) of principal Act

6.4 The Committee recommends the following insertion as Section 12(e) of the principal act:

(1) The Director, Wild Life Preservation, may grant permits for special purpose under this Section, in writing, on species listed under Schedule I. The Central Government shall process and respond to permit requests within a period not exceeding ninety days. Issuance of permits will be accompanied by a set of terms and conditions under which the special permits are issued. Rejection of the permit shall be accompanied with specific reasons in writing after giving an opportunity for the applicant to be heard or to submit a revised proposal.

(2) The Chief Wild Life Warden shall grant permits for special purpose under this Section, in writing, on wild animals, except for those included under Schedule I, within a time period which shall in no case exceed sixty days. Rejection of the permit shall be accompanied with specific reasons in writing after giving an opportunity for the applicant to be heard or to submit a revised proposal.

Insertion in Section 17B of principal Act

6.5 The Committee recommends the following insertion in Section 17B of the principal act:

(e) The Chief Wild Life Warden shall grant permit for special purposes under this Section, in writing, on specified plants within a time period which shall in no case
exceed sixty days. Rejection of the permit shall be accompanied with specific
reasons in writing after giving an opportunity for the applicant to be heard or to
submit a revised proposal.

Insertion in Section 33 in principal Act

6.6 The Committee recommends the following insertion in Section 33 of the
principal act:

For the words “manage and maintain all sancturies” the words “manage and
protect all sancturies” shall be substituted

Insertion as Section 33C in principal Act

6.7 The Committee recommends the following insertion as Section 33C of the
principal act:

33C Constitution of Human-Animal Conflict Management Advisory Committee –

(1) The State Government shall constitute a Human-Animal Conflict
Management Advisory Committee for ensuring planning, monitoring and
mitigation of human-wildlife conflict within the State

(2) The Human-Animal Conflict Management Advisory Committee shall consist
of –

(a) The Chief Wildlife Warden – Chairperson;
(b) an officer of the State Police Department not below the rank of an
Inspector General in charge of Law & Order – Vice Chairperson.
(c) two eminent wildlife ecologist with specific expertise in human-wildlife
conflict solutions;
(d) a wild life veterinarian with specific expertise in chemical immobilization
and translocation of conflict prone species;
(e) a representative of a non-governmental organization with experience in
mitigation of human-wildlife conflict;
(f) a sociologist with experience in mitigation of human-animal conflict;

(3) The term of office of the members other than those who are members ex
officio and the manner of filling up of vacancies and the procedure to be
followed shall be such, as may be prescribed.

(4) The Human-Animal Conflict Management Advisory Committee shall
perform the following functions, namely:-
(a) assess the extent of human-animal conflict and finalize an adaptive
action plan covering all aspects including equipment, trained
personnel, allocation of funds and advice on quantum of
compensation to affected people;
(b) formulate site-specific plans including creation of viable wildlife
corridors to ensure long-term resolution of conflict;
(c) develop specific protocols and Standard Operating Procedures,
including prescription of scientific capture, translocation and
population management techniques based on best practices, in
compliance of Section 12 including maintenance of law & order in the affected local area or location and related subjects;

(d) convene and meet at, at short notice, to monitor and evaluate emergency situations that require timely action to be taken under Section 11.

Insertion in Section 38C (a) of principal Act

6.8 The Committee recommends the following insertion in Section 38C (a) of the principal act:

After the word “zoo;” the words “in case of conservation breeding centres minimum standards will be species-specific and decided in consultation with experts or institutions breeding the species” shall be added.

Insertion in Section 38C (b) of the principal Act

6.9 The Committee recommends the following insertion in Section 38C (b) of the principal act:

After the words “the norms” the words “including disease surveillance” shall be added.

Insertion in Section 38C (d) of principal Act

6.10 The Committee recommends the following insertion in Section 38C (d) of the principal act:

After the word “zoo” the words “or a specialized agency” shall be added.

Insertion in Section 38 I(2) in principal Act

6.11 The Committee recommends the following insertion in Section 38 I(2) of the principal act:

After the words “recognized zoo” the words “This shall not apply to registered conservation breeding centers.” shall be added.

Insertion as proviso after sub-Section (2) of Section 43 of the principal Act

6.12 The Committee recommends the following insertion as proviso after sub-Section (2) of Section 43 of the principal act:

Provided that the Central Government, may if it considers appropriate, prescribe such additional terms and conditions as may be necessary, subject to which any transfer or transport of an existing captive elephant for a religious institution may be conducted by a person having a valid certificate of ownership.

Insertion in Section 50(4) of principal Act

6.13 The Committee recommends the following insertion in Section 50(4) of the principal act:

After the words “before a Magistrate” the words “after registering a Wildlife Offence Report duly entered in such book and form along with the Case Diary as prescribed” be inserted.

Insertion in Section 50(3A) of principal Act

6.14 The Committee recommends the following insertion in Section 50(3A) of the principal act:
After the words “Assistant Conservator of Forests” the words “or an Officer in charge of a Police Station” be inserted

Insertion in Section 51 (1) of principal Act

6.15 The Committee recommends the following insertion in Section 51(1) of the principal act:

After the words and figures “except Chapter VA,” the words and figures “Section 12, Section 17B” shall be inserted.

Insertion in Section 51 (1A) of principal Act

6.16 The Committee recommends the following insertion in Section 51(1A) of the principal act:

After the words and figures “Chapter VA” the words and figures “Chapter VB” shall be inserted.

Insertion of new sub-section (1BB) in Section 51 of principal Act

6.17 The Committee recommends the following insertion as new subsection (1BB) in Section 51 of the principal act:

Notwithstanding anything contained elsewhere in this Act, any person who contravenes the provisions of Section 12, Section 17B and Clause(c) of sub-Section (1) of Section 28, shall be punishable with fine which may be extendable to fifty thousand rupees:

Provided that in case of a second or subsequent offence the fine may extend to one lakh rupees.
Provided further that for an offence committed in relation to clause (d) of Section 12, the penalty prescribed in the first proviso of sub-Section (1) of Section 51 shall apply.

Insertions in Section 55 and Section 55 (b) of principal Act

6.18 The Committee recommends the following insertions in Section 55 and Section 55 (b) of the principal act:

After the words ‘or any other officer’ the words “or any Police officer” be inserted

Insertion to Section 61 in principal Act

6.19 The Committee recommends the following insertion in Section 61 of the principal act:

(5) The Central and State Governments shall develop and implement species recovery programmes for species notified in Schedules I and III to be decided by the National Board for Wild Life and concerned State Board for Wild Life.
CHAPTER 7

CLAUSE-BY-CLAUSE RECOMMENDATIONS OF THE COMMITTEE ON THE BILL

7.1 The Committee is in agreement with a majority of the Clauses as mentioned in the proposed Wild Life (Protection) Amendment Bill, 2021. However, the Committee recommends the changes to some of the Clauses on the Bill as mentioned in the succeeding paras.

Clause 2
7.2 The Committee recommends that after the word “protection,” the word “research” shall be inserted and after the words “management of wild life” the words “enabled by science” shall be inserted.

Thus Clause 2 as recommended by the Committee would read as follows:

“In the preamble of the Wild Life (Protection) Act, 1972 (hereinafter referred to as the principal Act), for the words “protection of wild animals, birds and plants”, the words “conservation, protection, research and management of wild life enabled by science” shall be substituted”

Clause 3 (a)
7.3 The Committee recommends that for the words and figures “Schedule I, Schedule II, Schedule III or Schedule IV”, the words and figures “Schedule I or Schedule II or the CITES Appendices” shall be substituted.

Clause 3 (d)
7.4 The Committee recommends that for the words and figures “Schedules I to V”, the words and figures “Schedules I or Schedule II or the CITES Appendices” shall be substituted.

Clause 3 (e)
7.5 The Committee recommends that for the words and figures “Schedules I to V and VI” the words and figures “Schedule I, II, III or the CITES Appendices” shall be substituted.

Clause 3 (i)
7.6 The Committee recommends that for the words “wild animal” the words and figures “wild animals specified in Schedule II and” shall be substituted.

Clause 5
7.7 The recommendation for deleting the words “on such terms and conditions as may be prescribed” in the Bill is being made since functions are already specified in Section 5C of the principal Act in detail. Thus, there is no lacunae that requires to be addressed by insertion of the amendment in Section 5B (3).

The Committee therefore recommends that Clause 5 shall be deleted.

Clause 6A (2)
7.8 The Committee recommends that for the words “not more than ten members to be nominated by the Vice-Chairperson from amongst the members of the Board” the
words “at least one-third of the non-official members of the State Board to be nominated by the Vice-Chairperson, at least three institutional members of the State Board to be nominated by the Vice Chairperson and the Director of the Wildlife Institute of India or his/her nominee” shall be substituted.

The Committee therefore recommends that the amended Clause 6A (2) may be read as follows

“(2) The Standing Committee shall consist of the Vice-Chairperson, the Member-Secretary, and at least one-third of the non-official members of the State Board to be nominated by the Vice-Chairperson, at least three institutional members of the State Board to be nominated by the Vice Chairperson and the Director of the Wildlife Institute of India or his/her nominee.”

Clause 12(a)

7.9 The Committee recommends that for the words “National Board” the words “State Board and National Board” shall be substituted.

Clause 12(b)

7.10 The Committee recommends that the Explanatory Clause 12(b) may be read as follows:

"Explanation.—For the purposes of this section, grazing or movement of livestock permitted under clause (d) of section 33, or hunting of wild animals under a permit granted under section 11 or hunting without violating the conditions of a permit granted under section 12, or the exercise of any rights permitted to continue under clause (c) of sub-section (2) of section 24, including the bona fide use of drinking and household water by local communities, until they are settled, shall not be deemed to be an act prohibited under this section."

Clause 13(a)

7.11 The Committee recommends that for the word “him” the word “him/her” shall be substituted.

Clause 27

7.12 The Committee recommends that Clause 27 be deleted.

Clause 30

7.13 The Wild Life (Protection) Amendment Bill, 2021 proposes to introduce, through Clause 30, a new Chapter VB thereby inserting Clause 49D to 49R in the principal Act. The Committee recommends that the following explanatory Clause be inserted after sub-clause clause 2(a) of the proposed Clause 49J:

“Explanation. - For the purposes of clause (a), the expression “commercial purposes” means display of any living specimen in a zoo or rescue centre which charges an entry fee.”

7.14 The Committee also recommends the following be inserted after the proposed Clause 49R:

“ (1) Nothing in Sections 49M, 49N, or 49O of this Chapter shall apply to a species listed in Schedule I or Schedule II if the same species is also listed in the CITES Appendices.
(2) The provisions of this Chapter shall be subject to the provisions of Chapters III, IIIA, IVA, V, VA and VIA of this Act and without prejudice to anything contained therein.”

Clause 31(ii)
7.15 The recommendation to empower officers of the Central Armed Police Forces is being made since such Forces that may include the Border Security Force (BSF), Sashastra Seema Bal (SSB), Indo Tibetan Border Police (ITBP) are deployed along land borders through which illegal trafficking of wildlife happens.

7.16 The Committee therefore recommends that the amended Clause 31(ii) may be read as follows:
“after the words “a sub-inspector”, the words “or any customs officer not below the rank of inspector or any officer of the coast guard or the central armed police forces not below the rank of an Assistant Commandant” shall be inserted.”

Clause 31(iii)
7.17 The Committee recommends that Clause 31(iii) shall be deleted.

Clause 32
7.18 The Committee recommends the following amendment to Clause 32 (a)(ii)(B):
for the words and figures “Appendix I of Schedule IV” the words and figures “Appendix I of the CITES Appendices” shall be substituted.

Clause 36
7.19 The recommendation for redrafting Section 57 is being made in order to ensure that this important provision, which prescribes a reverse burden of proof, should also cover “wild animal” which for some reason is not included. The lacunae which has the potential of being exploited, is sought to be plugged.

7.20 The Committee recommends that Clause 36 may be redrafted as follows:
“In Section 57 of the principal Act—
(a) after the words “control of any” the words “wild animal” shall be inserted;
(b) after the words “derivative thereof” at both the places where they occur, the words “or Scheduled specimen” shall be inserted;
(c) after the words “control of such” the words “wild animal” shall be inserted.”

Clause 40
7.21 The Wild Life (Protection) Amendment Bill, 2021, through Clause 40, proposes to amend Section 63 sub-section (1) and insert sub-clause (gviii) after clause (gvi) in the principal Act. The Committee recommends that the proposed insertion in the principal Act as Section 63 sub-section (1) (gviii), be deleted.

Clause 41
7.22 The Committee recommends that Clause 41 shall refer to revised Schedule I, II and III and not to Schedules I, II, III and IV as contained in Bill. The Committee also recommends that consequential changes shall be made correspondingly, in the entire Bill, wherever Schedules have been referred to. The revised Schedules as recommended by the Committee are as follows:
# SCHEDULE I

## PART A: MAMMALS

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Common name</th>
<th>Scientific name</th>
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<tr>
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<td><strong>ANTELOPES</strong></td>
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<tr>
<td>1</td>
<td>Blackbuck</td>
<td>Antilope cervicapra</td>
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<tr>
<td>2</td>
<td>Chiru/ Tibetan Antelope</td>
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<td>3</td>
<td>Chowsingha/ Four-horned</td>
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<td>Antelope</td>
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<td>4</td>
<td>Chinkara/ Indian Gazelle</td>
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<td>5</td>
<td>Goa/ Tibetan Gazelle</td>
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<td></td>
<td><strong>BADGER</strong></td>
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<tr>
<td>6</td>
<td>Greater Hog Badger</td>
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<tr>
<td>7</td>
<td>Northern Hog Badger</td>
<td>Arctonyx albogularis</td>
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<td></td>
<td><strong>BATS</strong></td>
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<td>8</td>
<td>Andaman Horseshoe Bat</td>
<td>Rhinolophus cognatus</td>
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<td>Black-eared Flying Fox</td>
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<td>Kolar Leafnosed Bat/ Leafletted</td>
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<td>Wroughton's Giant Mastiff Bat</td>
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<td><strong>CANIDS</strong></td>
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<td><strong>CAPRINES</strong></td>
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<td>Hangul/ Kashmir Red Deer/</td>
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<td>Sangai</td>
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<td>66.</td>
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<td><em>Stenella attenuata</em></td>
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<td>Risso's Dolphin</td>
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<td>Rough-toothed Dolphin</td>
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<td>South Asian River Dolphin/ Ganges River Dolphin/ Indus River Dolphin</td>
<td><em>Platanista gangetica</em></td>
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<td>Tibetan Fox</td>
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<td>Hispid Hare</td>
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<td>Bare-bellied Hedgehog/ Madras Hedgehog</td>
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<td>Pygmy Hog</td>
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<td>81.</td>
<td>Striped Hyena</td>
<td><em>Hyaena hyaena</em></td>
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<td>82.</td>
<td>Himalayan Marmot</td>
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<td>Long-tailed Marmot</td>
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<td><em>Aonyx cinereus</em></td>
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<td>Eurasian Otter</td>
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<td>Smooth-coated Otter</td>
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<td><em>Manis pentadactyla</em></td>
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<td>Indian Pangolin</td>
<td><em>Manis crassicaudata</em></td>
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<td>89.</td>
<td>Indo-Pacific Finless Porpoise</td>
<td><em>Neophocaenaphocaenoides</em></td>
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**PRIMATES**
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<td>Arunachal Macaque</td>
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<td>Capped Langur</td>
<td><em>Trachypithecus pileatus</em></td>
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<td>93.</td>
<td>Eastern Hoolock Gibbon</td>
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<td>Gee’s Golden Langur</td>
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<td>Gray Slender Loris</td>
<td><em>Loris lydekkerianus</em></td>
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<td><em>Semnopithecus ajax</em></td>
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<td><em>Macaca Silenus</em></td>
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<td>98.</td>
<td>Nicobar Crab-eating Macaque/ Nicobar Long-tailed Macaque</td>
<td><em>Macaca fascicularis umbrosa</em></td>
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<td>Nilgiri Langur</td>
<td><em>Semnopithecus johnii</em></td>
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<td>Bhutan Giant Flying Squirrel</td>
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<td>Black Giant Squirrel/ Malayan Giant Squirrel</td>
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<td>Andaman White-toothed Shrew</td>
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<td>123.</td>
<td>Day’s Shrew</td>
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<td>124.</td>
<td>Nicobar Treeshrew</td>
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<td>125.</td>
<td>Bonhote's Mouse</td>
<td><em>Mus famulus</em></td>
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<tr>
<td>126.</td>
<td>Hume’s Rat/ Manipur Bush Rat</td>
<td><em>Hadromyshumei</em></td>
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<td>Kondan Rat</td>
<td><em>Millardiakondana</em></td>
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<td>Large Rockrat</td>
<td><em>Cremnomyselvira</em></td>
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<td>Miller’s Nicobar Rat</td>
<td><em>Rattus burrus</em></td>
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<td>Nilgiri Long-tailed Tree Mouse</td>
<td><em>Vandeleurianilagirica</em></td>
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<td>Ranjini’s Field Rat</td>
<td><em>Rattus ranjiniae</em></td>
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<td>Himalayan Tahr</td>
<td><em>Hemitragusjemlahicus</em></td>
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<td><em>Mesoplodon densirostris</em></td>
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<td>Blue Whale</td>
<td><em>Balaenoptera musculus</em></td>
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<td>Bryde's Whale/ Rice’s Whale</td>
<td><em>Balaenoptera edeni</em></td>
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<td><em>Orcinus orca</em></td>
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<td><em>Peponocephalaelectra</em></td>
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<td><em>Feresaattenuata</em></td>
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<td>147.</td>
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<td><em>Kogiabreviceps</em></td>
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<td><em>Balaenoptera borealis</em></td>
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<td>150.</td>
<td>Sperm Whale</td>
<td><em>Physeter macrocephalus</em></td>
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<td>151.</td>
<td>Gaur/ Indian Bison</td>
<td><em>Bos gaurus gaurus</em></td>
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<td>152.</td>
<td>Wild Water Buffalo</td>
<td><em>Bubalus arnee</em></td>
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<td>Wild Yak</td>
<td><em>Bos mutus</em></td>
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<td>Kiang</td>
<td><em>Equus kiang</em></td>
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**PART B: BIRDS**

**BARN OWLS**
1. Andaman Barn Owl/Andaman Masked-owl  
2. Common Barnowl

**BITTERNS, HERONS AND EGRETS**
3. White-bellied Heron  

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<td>4.</td>
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<td>Yellow-breasted Bunting Emberiza aureola</td>
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<td>Bengal Florican Houbaropsis bengalensis</td>
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<td>7.</td>
<td>Great Indian Bustard Ardeotis nigriceps</td>
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<td>8.</td>
<td>Lesser Florican Syphoebites indicus</td>
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<td>Little Bustard Tetrax tetrax</td>
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<td>Asian Houbara/Macqueen's Houbara Chlamydotismacqueenii</td>
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<td>Grey-crowned Prinia Priniciacineocapilla</td>
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<td>Indian Courser Cursorius coromandelicus</td>
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<td>Jerdon's Courser Rhinoptilus bitorquatus</td>
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<td>Black-necked Crane Grus nigricollis</td>
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<td>Common Crane Grus grus</td>
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<td>Demoiselle Crane Anthopoides virgo</td>
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<td>Sarus Crane Grus antigone</td>
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<td>Siberian Crane Leucogeranus leucogeranus</td>
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<td>Common Pochard Aythya ferina</td>
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<td>Fulvous Whistling Duck Dendrocygna bicolor</td>
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<td>Marbled Teal Marmaronetta angustrossostris</td>
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<td>Pink-headed Duck Rhodonessa caryophyllacea</td>
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<td>White-headed Duck Oxyura leucocephala</td>
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<td>Laggar Falcon Falco jugger</td>
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<td>Peregrine Falcon Falco peregrinus</td>
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<td>29.</td>
<td>Red-necked Falcon/Red-headed Falcon Falco chicquera</td>
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<td>Saker Falcon/Saker Falco cherrug</td>
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<td>31.</td>
<td>Masked Finfoot Heliopais personatus</td>
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<td>32.</td>
<td>Hodgson's Bushchat/White-throated Bushchat Saxicola insignis</td>
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<td>33.</td>
<td>Nilgiri Sholakili Sholicola major</td>
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</table>
34. White-bellied Sholakili  
**FRIGATEBIRDS**  
35. Christmas Island Frigatebird  
36. Hodgson's Frogmouth  
37. Sri Lanka Frogmouth  
**GULLS AND TERNS**  
38. Black-bellied Tern  
39. Indian Skimmer  
40. River Tern  
**HONEYGUIDES**  
41. Yellow-rumped Honeyguide  
**HORNBISSS**  
42. Austen's Brown Hornbill/Brown Hornbill  
43. Great Hornbill  
44. Malabar Grey Hornbill  
45. Malabar Pied Hornbill  
46. Narcondam Hornbill  
47. Oriental Pied Hornbill  
48. Rufous-necked Hornbill  
49. Wreathed Hornbill  
**IBISBILL**  
50. Ibisbill  
**KINGFISHERS**  
51. Blyth's Kingfisher  
**KITES, HAWKS, EAGLES** AND VULTURES  
52. Andaman Serpent-eagle  
53. Bearded Vulture/Lammergeyer  
54. Besra  
55. Black Baza  
56. Changeable Hawk-eagle  
57. Chinese Sparrowhawk  
58. Cinereous Vulture/Black Vulture  
59. Crested Goshawk  
60. Eastern Imperial Eagle/Imperial Eagle  
61. Eastern Marsh-harrier  
62. Egyptian Vulture  
63. Eurasian Sparrowhawk  
64. Golden Eagle  
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66. Greater Spotted Eagle  
67. Grey-headed Fish-eagle  
68. Eurasian Griffon/Griffon Vulture

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109. Northern Long-eared Owl  
    Asiootus
110. Rock Eagle-owl  
    Bubo bengalensis
111. Short-eared Owl  
    Asioflammeus
112. Spot-bellied Eagle-owl  
    Bubo nipalensis
113. Tawny Fish-owl  
    Ketupaflavipes

PARROTBILLS AND ALLIES
114. Black-breasted Parrotbill  
    Paradoxornisflavirostris

PARROTS
115. Lord Derby's Parakeet  
    Psittaculaderbiana
116. Red-breasted Parakeet  
    Psittaculaalexandri

PARTRIDGES, QUAILS, AND PHEASANTS
117. Blood Pheasant  
    Ithaginiscruentus
118. Blyth's Tragopan  
    Tragopan blythii
119. Cheer Pheasant  
    Catreuswallichii
120. Green Peafowl  
    Pavomuticus
121. Grey Junglefowl  
    Gallus sonneratii
122. Grey Peacock Pheasant  
    Polyleptronbicalcaratum
123. Himalayan Monal  
    Lophophorusimpejanus
124. Himalayan Quail  
    Ophrysiasperciliosa
125. Indian Peafowl  
    Pavocristatus
126. Kalij Pheasant  
    Lophuraleucomelanos
127. Manipur Bush-quail  
    Perdiculamanipurensis
128. Mountain Bamboo-partridge  
    Bambusicolafytchii
129. Mrs Hume's Pheasant  
    Syrmaticushumiae
130. Satyr Tragopan  
    Tragopan satyra
131. Sclater's Monal  
    Lophophorussclateri
132. Swamp Francolin  
    Francolinusugularis
133. Temminck's Tragopan  
    Tragopan temminckii
134. Tibetan Snowcock  
    Tetraogallustibetanus
135. Western Tragopan  
    Tragopan melanocephalus

PIGEONS AND DOVES
136. Nicobar Pigeon  
    Caloenasnicobarica
137. Nilgiri Wood-pigeon  
    Columba elphinstonii
138. Pale-capped Pigeon  
    Columba punicea
139. Yellow-eyed Pigeon  
    Columba eversmanni

PIPITS AND WAGTAILS
140. Nilgiri Pipit  
    Anthusnilghiriensis

PLOVERS AND LAPWINGS
141. Sociable Lapwing  
    Vanellusgregarius

SANDPIPERS
142. Great Knot  
    Calidris tenuirostris
143. Spoon-billed Sandpiper  
    Calidris pygmaea
144. Wood Snipe  
    Gallinagonemoricola

SCIMITAR BABBLERS
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**PART D: AMPHIBIANS**

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<td>Longhead Eagle Ray</td>
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<td>54.</td>
<td>Gymnurapoecilura</td>
<td>Longtail Butterfly Ray</td>
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<tr>
<td>55.</td>
<td>Torpedo sinuspersici</td>
<td>Marbled Electric Ray/ Gulf Torpedo</td>
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<tr>
<td>56.</td>
<td>Aetomylaeus maculatus</td>
<td>Mottled Eagle Ray</td>
</tr>
<tr>
<td>57.</td>
<td>Rhinaancylostoma</td>
<td>Mud Skate/ Bowmouth Guitarfish</td>
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<tr>
<td>58.</td>
<td>Pastinachusgracilicaudus</td>
<td>Narrow Cowtail Ray</td>
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<td>59.</td>
<td>Himantura undulata</td>
<td>Ocellate Whipray/ Honeycomb Whipray</td>
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<td>60.</td>
<td>Aetobatus ocellatus</td>
<td>Ocellated Eagle Ray/ Spotted Eagle Ray</td>
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<td>61.</td>
<td>Narcineatzi</td>
<td>Oman Numbfish</td>
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<td>62.</td>
<td>Maculabatis arabica</td>
<td>Pakistan Whipray</td>
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<td>63.</td>
<td>Pteroplatytrygonviolacea</td>
<td>Pelagic Stingray</td>
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<td>64.</td>
<td>Pateobatisfai</td>
<td>Pink Whipray</td>
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<td>65.</td>
<td>Urogymnusasperrimus</td>
<td>Porcupine Ray</td>
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<td>66.</td>
<td>Fenestrajamamillidens</td>
<td>Prickly Skate</td>
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<td>67.</td>
<td>Mobulaeregoodoo</td>
<td>Pygmy Devilray/ Longhorned Pygmy Devil Ray</td>
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<td>68.</td>
<td>Aetomylaeusvespertilio</td>
<td>Reticulate Eagle Ray/ Ornate Eagle Ray</td>
</tr>
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</table>
69. Reticulate Whipray/ Coach Whipray  
Himantura uarnak
70. Reverse Skate  
Amblyrajareversa
71. Roughbelly Skate  
Dipturus springeri
72. Sharpnose Guitarfish  
Glaucostegus granulatus
73. Shorttail Cownose Ray/ Oman Cownose Ray  
Rhinoptera jayakari
74. Shorttail Whipray  
Maculabatis bineneeshi
75. Sixgill Stingray  
Hexatrygon bickelli
76. Smalleye Stingray  
Megatrygon microps
77. Smoothback Guitarfish  
Rhinobatos lionotus
78. Smoothnose Wedgefish  
Rhinchobatus laevis
79. Spottail Sleeper Ray  
Narkedipterygia
80. Stripednose Guitarfish  
Acroteriobatus variegatus
81. Tentacled Butterfly Ray  
Gymnuratentaculata
82. Tonkin Numbfish  
Narcine prodorsalis
83. Travancore Skate  
Dipturus johnnisdavisi
84. Whitespotted Whipray  
Maculabatis gerrardi
85. Whitetail Whipray/ Mangrove Whipray  
Urogymnus granulatus
86. Widenose Guitarfish  
Glaucostegus obtusus
87. Zonetail Butterfly Ray  
Gymnura sonora

SAWFISHES
88. Green Sawfish  
Pristis zijsron
89. Knifetooth Sawfish/ Pointed Sawfish/ Narrow Sawfish  
Anoxypristis cucculata
90. Largetooth Sawfish  
Pristis pristis
91. Queensland Sawfish/ Dwarf Sawfish  
Pristis clavata

SEAHORSES
92. Great Seahorse  
Hippocampus kelloggii
93. Hedgehog Seahorse  
Hippocampus spinosissimus
94. Spotted Seahorse  
Hippocampus kuda
95. Thorny Seahorse  
Hippocampus histrix
96. Three-spot Seahorse  
Hippocampus trimaculatus

SHARKS
97. Arabian Carpetshark  
Chiloscyllium arabicum
98. Arabian Smoothhound  
Mustelus mosi
99. Atlantic Thresher/ Green Thresher  
Alopias vulpinus
100. Bigeye Houndshark  
Iago omanensis
101. Bigeye Sand Tiger  
Odontaspis noronhai
102. Bigeye Thresher Shark/ False Thresher  
Alopias superciliosus
103. Blackspot Shark  
Carcharhinus sealei
104. Blacktip Reef Shark  
Carcharhinus melanopterus
105. Blacktip Shark  
Carcharhinus limbatus
106. Blue Shark  
Prionace glauca
107. Bluntnose Sixgill Shark  *Hexanchus griseus*
108. Bramble Shark  *Echinorhinus brucus*
109. Bristly Catshark  *Bythaelurushispidus*
110. Broadfin Shark  *Lamiopsistemminckii*
111. Broadnose Catshark  *Apristurus investigatoris*
112. Brownbanded Bamboo shark/ Grey Carpetshark  *Chiloseyllium punctatum*
113. Burmese Bamboo shark  *Chiloseyllium burmensis*
114. Coral Catshark  *Atelomycterus marmoratus*
115. Crocodile Shark  *Pseudocarchariaskamoharai*
116. Dwarf Gulper Shark  *Centrophorusatromarginatus*
117. Eastern Dwarf False Catshark  *Planonasus indicus*
118. Elfin Shark/ Goblin Shark  *Mitsukurina owstoni*
119. Endeavour Dogfish  *Centrophorus moluccensis*
120. Fossil Shark/ Snaggletooth Shark  *Alopiaspelagicus*
121. Fox Shark/ Smalltooth Thresher Shark  *Glyphis gangeticus*
122. Golden Dogfish/ Longnose Velvet Dogfish  *Centroselachus crepidater*
123. Graceful Shark  *Carcharhins amblyrhyynchoides*
124. Gray Reef Shark/ Grey Reef Shark  *Carcharhinus amblyrhynchos*
125. Great Hammerhead  *Sphyrna mokarran*
126. Great White Shark/ Smallfin Gulper Shark  *Carcharodon carcharias*
127. Grey Bamboo Shark  *Chiloseyllium griseum*
128. Grey Sharpnose Shark  *Rhizoprionodon oligolincx*
129. Gulper Shark  *Centrophorus granulosus*
130. Hooktooth Shark  *Chaenogaleus macrostoma*
131. Indian Swellshark  *Cephaloscyllium silasi*
132. Indonesian Bambooshark  *Chiloseyllium hasselti*
133. Indonesian Houndshark  *Hemitriakis indroyonoi*
134. Indonesian Shortnose Spurdog  *Squalus hemipinnis*
135. Japanese Velvet Dogfish  *Scymnodon ichiharai*
136. Java Shark/ Pigeye Shark  *Carcharhinus amboinensis*
137. Knopp's Shark/ Bignose Shark  *Carcharhinus altimus*
138. Longfin Mako  *Isurus paucus*
139. Longnose Grey Shark/ Spinner Shark  *Carcharhinus brevipinna*
140. Maclot's Shark/ Hardnose Shark  *Carcharhinus macloti*
141. Magnificent Catshark  *Proscyllium magnificum*
142. Ornate Dogfish  *Centroscyllium ornatum*
143. Pondicherry Shark/ Long-nosed Shark  *Carcharhinus hemipinnis*
144. Pygmy Ribbontail Catshark  *Eridacnis radcliffei*
145. Quagga Catshark  *Halaelurus quagga*
147. Ridge-backed Bambooshark/Slender Bambooshark
Chiloscyllium indicum

148. River Shark/Bull Shark
Carcharhinus leucas

149. Roughskin Spurdog
Cirrhigaleus asper

150. Sandbar Shark
Carcharhinus plumbeus

151. Scalloped Hammerhead
Sphyrna lewini

152. Sharpnose Sevengill Shark
Hexanchus fuscus

153. Sharptooth Lemon Shark
Negaprion acutidens

154. Shortfin Mako
Isurus oxyrinchus

155. Sickeltail Shark
Hemigaleus randallii

156. Silky Shark
Carcharhinus falciformis

157. Slender Dogshark/Sliteye Shark
Loxodon macrorhinus

158. Slender Hammerhead/Winghead Shark
Eusphyra blochii

159. Slender Weasel Shark
Paragaleus randalli

160. Smooth Hammerhead
Sphyrna zygaena

161. Smooth Lanternshark
Etmopterus pusillus

162. Southern Dogfish/Little Gulper Shark
Centrophorus uyato

163. Spadenose Shark
Scoliodon laticaudus

164. Spottail Shark
Carcharhinus sorrah

165. Spotted Raggedtooth Shark/Sand Tiger Shark
Carcharias taurus

166. Tawny Nurse Shark
Nebrius ferrugineus

167. Tiger Shark
Galeocerdo cuvier

168. Velvet Dogfish
Zameus squamulosus

169. Whale Shark
Rhincodon typus

170. White-eyed Shark/Milk Shark
Rhizoprionodon acutus

171. Whitspotted Bambooshark
Chiloscyllium plagiosum

172. Whitetip Oceanic Shark/White-tipped Shark
Carcharhinus longimanus

173. Whitetip Reef Shark
Triaenodon obesus

174. Widemouth Blackspot Shark/Whitecheek Shark
Carcharhinus dussumieri

175. Zebra Shark
Stegostomatigrinum

CARPS

176. Golden Mahseer
Tor putitora

177. Haragi
Hypselobarbus pulchellus

178. The Bowany Barb
Barbodes bovanicus

179. The Hump-backed Mahseer
Tor remadevia

LOACHES

180. Loach
Mesonoemacheilus herrei

181. Loach
Schistura papulifera

CATFISHES

182. Catfish
Glyptothorax kudremukhensis

183. Catfish
Glyptothorax kashmiriensis

184. Nilgirimystus
Hemibagrus punctatus
## Part F: INSECTS

### BUTTERFLIES

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Banded Apollo Butterfly</td>
<td>Parnassius delphius</td>
</tr>
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<td>2.</td>
<td>Banded Duffer Butterfly</td>
<td>Discophora deo deo</td>
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<td>3.</td>
<td>Bhutan Glory Butterfly</td>
<td>Bhutanitis lidderdalii</td>
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<tr>
<td>4.</td>
<td>Bhutan Treebrown Butterfly</td>
<td>Lethe margaritae</td>
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<td>5.</td>
<td>Black Windmill Butterfly</td>
<td>Byasa crassipes</td>
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<td>6.</td>
<td>Blue Baron Butterfly</td>
<td>Euthaliatelchneria</td>
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<td>7.</td>
<td>Blue Begum Butterfly</td>
<td>Prothoerick regalis</td>
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<td>8.</td>
<td>Blue Duke Butterfly</td>
<td>Euthaliadurga splendens</td>
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<td>9.</td>
<td>Blue Nawab Butterfly</td>
<td>Polyuruschreiber</td>
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<td>10.</td>
<td>Blue Posy Butterfly</td>
<td>Drupadia scevacyara</td>
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<td>11.</td>
<td>Branded Yeoman Butterfly</td>
<td>Algias fasciata</td>
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<td>12.</td>
<td>Chestnut Rajah Butterfly</td>
<td>Charaxes durnfordinicholii</td>
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<td>13.</td>
<td>Chinese Hairstreak Butterfly</td>
<td>Amblopealainidiensis</td>
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<td>14.</td>
<td>Common Clubtail Butterfly</td>
<td>Atrophaneura coon</td>
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<td>15.</td>
<td>Dark Wall Butterfly</td>
<td>Lasiommatamena</td>
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<td>16.</td>
<td>de Niceville's Windmill Butterfly</td>
<td>Atrophaneuraopolla</td>
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<td>17.</td>
<td>Eastern Courtier Butterfly</td>
<td>Sephisachandra</td>
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<td>18.</td>
<td>Empress Butterfly</td>
<td>Sasakia funebris</td>
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<td>19.</td>
<td>Freak Butterfly</td>
<td>Calinaga buddha</td>
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<td>20.</td>
<td>Golden Emperor Butterfly</td>
<td>Dilipamorgiana</td>
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<td>22.</td>
<td>Green Banded White Butterfly</td>
<td>Pieris kruepeidevta</td>
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<td>23.</td>
<td>Hannyington Apollo Butterfly</td>
<td>Parnassiu shannyngfounti</td>
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<td>24.</td>
<td>Hockeystick Sailer Butterfly</td>
<td>Neptisnycteus</td>
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<td>25.</td>
<td>Imperial Apollo Butterfly</td>
<td>Parnassius imperator</td>
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<td>26.</td>
<td>Kaiser-i-Hind</td>
<td>Teinopalpus imperialis</td>
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<td>27.</td>
<td>Krishna Peacock Butterfly</td>
<td>Papiliokrishna</td>
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<td>28.</td>
<td>Ladakh Banded Apollo Butterfly</td>
<td>Parnassius stoliczkanus</td>
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<td>29.</td>
<td>Ludlow Bhutan Glory Butterfly</td>
<td>Bhutanitis ludlowi</td>
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<td>Malabar Banded Swallowtail Butterfly</td>
<td>Papiliiolomedon</td>
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<td>31.</td>
<td>Malayan Nawab Butterfly</td>
<td>Polyura moori sandakana</td>
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<td>32.</td>
<td>Naga Duke Butterfly</td>
<td>Euthaliacurviscica</td>
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<td>33.</td>
<td>Nevill's Windmill Butterfly</td>
<td>Byasanevilli</td>
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<td>Northern Junglequeen Butterfly</td>
<td>Stichophthalmacamadeva</td>
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<td>Pale Jezebel Butterfly</td>
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<td>36.</td>
<td>Peal's Palmfly Butterfly</td>
<td>Elymniaspeali</td>
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<td>37.</td>
<td>Pemberton's Chinese Windmill Butterfly</td>
<td>Byasaplutioniuspembertoni</td>
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<td>38.</td>
<td>Pointed Palmfly Butterfly</td>
<td>Elymniaspenaga</td>
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<td>39.</td>
<td>Scarce Blue Tiger Butterfly</td>
<td>Tirumala gautamagautamoides</td>
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. Scarce Catseye Butterfly  
. Scarce Jester Butterfly  
. Scarce Red Forester Butterfly  
. Scarce Siren Butterfly  
. Scarce White Comodore Butterfly  
. Single Silverstripe Butterfly  
. Spotted Black Crow Butterfly  
. Tytler's Emperor Butterfly  
. Tytler's Treebrown Butterfly  
. Varnished Apollo Butterfly  
. White Emperor Butterfly  
. Yellow-crested Spangle Butterfly

<table>
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<tr>
<th>Sl. No.</th>
<th>Common Name</th>
<th>Scientific Name</th>
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<tbody>
<tr>
<td>53</td>
<td>Coconut Crab, Robber Crab</td>
<td>Birgus latro</td>
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<td></td>
<td>Indo-Pacific Horseshoe Crab</td>
<td>Tachypleus gigas</td>
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<td>Mangrove Horseshoe Crab</td>
<td>Carcinoscorpius rotundicauda</td>
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**Part H: CORALS**

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<td><strong>Order Helioporacea: Families</strong></td>
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<td>Aulopsamiidae, Helioporidae, Lithotelestidae</td>
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<td><strong>Order Pennatulacea: Families</strong></td>
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<td>Anthoptilidae, Chunellidae, Echinoptilidae, Funiculinidae, Kophobelemnidae, Protoptilidae, Pseudumbellulidae, Renillidae, Scleroptilidae, Stachyptilidae, Umbellulidae, Veretillidae, Balticinidae, Pennatulidae, Virgulariidae</td>
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<td><strong>Order Alcyonacea: Families</strong></td>
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<td>Acanthoaxiidae, Chelidonisididae, Parasphaerascleridae, Nephtheidae, Alcyoniidae, Clavulariidae, Xenidae, Cornulariidae, Subergorgiidae, Pleaxauridae, Ellisellidae, Melithaeidae, Briareidae</td>
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<td><strong>Order Antipatharia: Families</strong></td>
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<tr>
<td></td>
<td>Antipathidae, Aphanipathidae, Cladopathidae, Leiopathidae, Myriopathidae, Schizopathidae, Stylopathidae</td>
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<td><strong>Order Corallimorpharia</strong></td>
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Sea Anemones

Order Actiniaria: Families Actinernidae, Halcuriidae, Edwardsiidae

Stony Corals

Order Scleractinia

Zoanthids

Order Zooantharia

All species of Ceriantharians of the Order and Family

Tube-dwelling Anemones

Order Penicillaria: Families Pennatulidae, Anthoptilidae, Scleroptilidae, Halipteridae, Protoptilidae

Tube-dwelling Anemones

Order Spirularia

Part I: MOLLUSCA

<table>
<thead>
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<th>Sl. No.</th>
<th>Common Name</th>
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<td>CLAMS</td>
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<tr>
<td>1</td>
<td>Fluted Giant Clam, Scaly Clam</td>
<td><em>Tridacna squamosa</em></td>
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<td>2</td>
<td>Horse Hoof Clam, Strawberry Clam</td>
<td><em>Hippopus Hippopus</em></td>
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<tr>
<td>3</td>
<td>Small Giant Clam</td>
<td><em>Tridacna maxima</em></td>
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<td></td>
<td>CONE</td>
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<tr>
<td>4</td>
<td>Glory of India</td>
<td><em>Conus milneedwardsi</em></td>
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<td></td>
<td>HELMET SHELL</td>
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<td>5</td>
<td>Horned Helmet</td>
<td><em>Cassis cornuta</em></td>
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<td>NAUTILUS</td>
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<td>6</td>
<td>Pearly Nautilus</td>
<td><em>Nautilus pompilius</em></td>
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<td></td>
<td>SHELL</td>
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<td>7</td>
<td>Bullmouth Shell/ Red Helmet Shell</td>
<td><em>Cypraecassis rufa</em></td>
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<td>SPIRAL</td>
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<td>Spiral Tudicla</td>
<td><em>Tudiclaspirillus</em></td>
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<td>TRUMPET</td>
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<td>9</td>
<td>Triton's Trumpet/ Giant Triton</td>
<td><em>Charoniatriitonis</em></td>
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<td>TURBAN</td>
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<td>10</td>
<td>Green Turban/ Marbled Turban/ Great</td>
<td><em>Turbo marmoratus</em></td>
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<td>Green Rurban</td>
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Part J: HOLOTHURIANS

All species of Sea Cucumbers of the Phylum Echinodermata and Class Holothuroidea
## SCHEDULE II

### Part A: MAMMALS

<table>
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<tr>
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<th>Common Name</th>
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<tbody>
<tr>
<td>1.</td>
<td>Nilgai</td>
<td><em>Boselaphustragocamelus</em></td>
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<tr>
<td>2.</td>
<td>Honey Badger/ Ratel</td>
<td><em>Mellivora capensis</em></td>
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<td>3.</td>
<td>Large-toothed Ferret Badger/ Burmese Ferret Badger</td>
<td><em>Melogalepersonata</em></td>
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<tr>
<td>4.</td>
<td>Small-toothed Ferret Badger/ Chinese Ferret Badger</td>
<td><em>Melogalemoschata</em></td>
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<tr>
<td>5.</td>
<td>Durga Das’s Leaf-nosed Bat</td>
<td><em>Hipposiderosdurgadasi</em></td>
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<td>6.</td>
<td>Indian Flying Fox</td>
<td><em>Pteropus giganteus</em></td>
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<td>7.</td>
<td>Golden Jackal</td>
<td><em>Canis aureus</em></td>
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<tr>
<td>8.</td>
<td>Red Fox/ Desert Fox</td>
<td><em>Vulpes vulpes</em></td>
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<tr>
<td>9.</td>
<td>Bharal/ Blue Sheep</td>
<td><em>Pseudoisnayaur</em></td>
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<td>10.</td>
<td>Brown Palm Civet</td>
<td><em>Paradoxurus jerdoni</em></td>
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<td>11.</td>
<td>Masked Palm Civet/ Himalayan Palm Civet</td>
<td><em>Pagumalarvata</em></td>
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<td>12.</td>
<td>Small-toothed Palm Civet</td>
<td><em>Arctogalidiatrivingata</em></td>
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<td>13.</td>
<td>Chital/ Spotted Deer</td>
<td><em>Axis axis</em></td>
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<td>14.</td>
<td>Northern Red Muntjac/ Barking Deer</td>
<td><em>Muntiacus vaginalis</em></td>
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<tr>
<td>15.</td>
<td>Sambar</td>
<td><em>Rusa unicolor</em></td>
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<td>16.</td>
<td>Desert Hare</td>
<td><em>Lepus tibetanus</em></td>
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<td>17.</td>
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<td><em>Lepus nigricollis</em></td>
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<td>Woolly Hare</td>
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<td>Assamese Macaque</td>
<td><em>Macaca assamensis</em></td>
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<td>21.</td>
<td>Bengal Hanuman Langur/ Northern Plains Gray Langur</td>
<td><em>Semnopithecus entellus</em></td>
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<td>22.</td>
<td>Bonnet Macaque</td>
<td><em>Macaca radiata</em></td>
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<td>Black-footed Gray Langur</td>
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<td><em>Semnopithecus hector</em></td>
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<td>26.</td>
<td>Tufted Gray Langur</td>
<td><em>Semnopithecus priam</em></td>
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**MARTENS**
27. Nilgiri Marten \*Martes gwatkinsii*
28. Stone Marten/Beech Marten \*Martes foina*
29. Yellow-throated Marten \*Martes flavigula*

**MONGOOSES**
30. Crab-eating Mongoose \*Herpestes urva*
31. Indian Brown Mongoose \*Herpestes fuscus*
32. Indian Grey Mongoose \*Herpestes edwardsii*
33. Javan Mongoose \*Herpestes javanicus*
34. Ruddy Mongoose \*Herpestes smithii*
35. Small Indian Mongoose \*Herpestes auropunctatus*
36. Stripe-necked Mongoose \*Herpestes vitticollis*

**PIG**
37. Wild Pig/Wild bore \*Sus scrofa*

**PIKA**
38. Royle's Pika \*Ochotona roylei*

**SHREWS**
39. Andaman Spiny Shrew \*Crocidura hispida*

**SQUIRREL**
40. Northern Palm Squirrel/Five-striped Palm Squirrel \*Funambulus pennantii*
41. Orange-bellied Himalayan Squirrel \*Dremomys lokriah*

**TREE MICE**
42. Spiny Tree Mouse \*Platacanthomys lasiurus*

**OTHER RODENTS**
43. Andaman Rat \*Rattus stoicus*
44. Sahyadris Forest Rat \*Rattus satarae*
45. Zelebor's Nicobar Rat \*Rattus palmarum*

**WEASELS**
46. Altai Weasel/Mountain Weasel \*Mustela altaica*
47. Siberian Weasel \*Mustela sibirica*
48. Stoat/Ermine/Short-tailed Weasel \*Mustela erminea*
49. Yellow-bellied Weasel \*Mustela kathiah*

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### Part B: BIRDS

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Common Name</th>
<th>Scientific Name</th>
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<tr>
<td>ACCENTORS</td>
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<tr>
<td>1.</td>
<td>Alpine Accentor</td>
<td>*Prunella collaris*</td>
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<td>Black-throated Accentor</td>
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<td>Brown Accentor</td>
<td>*Prunella fulvescens*</td>
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5. Maroon-backed Accentor Prunella immaculata
6. Robin Accentor Prunella rubeculoides
7. Rufous-breasted Accentor Prunella strophiata

**SOUTHERN STORM-PETRELS**
8. Black-bellied Storm-petrel Fregettatropica
9. White-faced Storm-petrel Pelagodroma marina
10. Wilson's Storm-petrel Oceanites oceanicus

**BARBETS**
11. Blue-eared Barbet Psilopogon duvaucelii
12. Blue-throated Barbet Psilopogon asiaticus
14. Coppersmith Barbet Psilopogon maculatus
15. Golden-throated Barbet Psilopogon franklinii
16. Great Barbet Psilopogon virens
17. Lineated Barbet Psilopogon lineatus
18. Malabar Barbet Psilopogon malabaricus
19. White-cheeked Barbet Psilopogon viridis

**BARN OWLS**
20. Eastern Grass Owl Tyto longimembris
21. Oriental Bay Owl Phodilus badius
22. Sri Lanka Bay Owl Phodilus assimilis

**BEE-EATERS**
23. Blue-bearded Bee-eater Nyctyornis athertoni
24. Blue-cheeked Bee-eater Merops persicus
25. Blue-tailed Bee-eater Merops philippinus
26. Blue-throated Bee-eater Merops viridis
27. Chestnut-headed Bee-eater Merops leschenaulti
28. European Bee-eater Merops apiaster
29. Green Bee-eater Merops orientalis

**BITTERNS, HERONS AND EGrets**
30. Black Bittern Ixobrychus flavicollis
31. Black-crowned Night Heron Nycticorax nycticorax
32. Cattle Egret Bubulcus ibis
33. Chinese Egret Egretta eulophotes
34. Chinese Pond Heron Ardeola bacchus
35. Cinnamon Bittern Ixobrychus cinnamomeus
36. Goliath Heron Ardea goliath
37. Great Bittern/Eurasian Bittern Botaurus stellaris
38. Great Egret Ardea alba
39. Grey Heron Ardea cinerea
40. Indian Pond Heron Ardeola grayii
41. Intermediate Egret Ardea intermedia
42. Javan Pond Heron Ardeola speciosa
43. Little Bittern Ixobrychus minutus
44. Little Egret Egretta garzetta
45. Malayan Night-heron Gorsachius melanolophus
46. Pacific Reef-egret  
47. Purple Heron  
48. Striated Heron  
49. Western Reef-egret  
50. Yellow Bittern  
**NORTHERN STORM-PETRELS**  
51. Swinhoe's Storm-petrel  
**BROADBILLS**  
52. Long-tailed Broadbill  
53. Silver-breasted Broadbill  
**BULBULS**  
54. Andaman Bulbul  
55. Ashy Bulbul  
56. Black Bulbul  
57. Black-crested Bulbul  
58. Black-headed Bulbul  
59. Cachar Bulbul  
60. Crested Finchbill  
61. Flame-throated Bulbul  
62. Flavescent Bulbul  
63. Grey-headed Bulbul  
64. Himalayan Bulbul  
65. Mountain Bulbul  
66. Nicobar Bulbul  
67. Red-vented Bulbul  
68. Red-whiskered Bulbul  
69. Square-tailed Bulbul  
70. Striated Bulbul  
71. White-browed Bulbul  
72. White-eared Bulbul  
73. White-throated Bulbul  
74. Yellow-browed Bulbul  
75. Yellow-throated Bulbul  
**BUNTINGS**  
76. Black-faced Bunting  
77. Black-headed Bunting  
78. Chestnut Bunting  
79. Chestnut-eared Bunting/Chestnut Bunting  
80. Crested Bunting  
81. Common Reed Bunting  
82. Godlewski's Bunting  
83. Grey-necked Bunting  
84. Little Bunting  
85. Ortolan Bunting  
86. Pine Bunting  
87. Red-headed Bunting  

Pacific Reef-egret: *Egretta sacra*  
Purple Heron: *Ardea purpurea*  
Striated Heron: *Butorides striata*  
Western Reef-egret: *Egrettagularis*  
Yellow Bittern: *Ixobrychus sinensis*  
Swinhoe's Storm-petrel: *Hydrobates monorhis*  
Long-tailed Broadbill: *Psarismosus dalhousiae*  
Silver-breasted Broadbill: *Serilophus lunatus*  
Andaman Bulbul: *Brachypodius fuscoflavescens*  
Ashy Bulbul: *Hemixos flavala*  
Black Bulbul: *Hypsipetes leucocephalus*  
Black-crested Bulbul: *Rubigula flaviventris*  
Black-headed Bulbul: *Brachypodius melanocephalos*  
Cachar Bulbul: *Iole cacharensis*  
Crested Finchbill: *Spizixos canifrons*  
Flame-throated Bulbul: *Rubigula gularis*  
Flavescent Bulbul: *Pycnonotus flavescens*  
Grey-headed Bulbul: *Brachypodius picrocephalus*  
Himalayan Bulbul: *Pycnonotus leucogenys*  
Mountain Bulbul: *Ixos maclellandii*  
Nicobar Bulbul: *Ixos nicobariensis*  
Red-vented Bulbul: *Pycnonotus cafer*  
Red-whiskered Bulbul: *Pycnonotus jocosus*  
Square-tailed Bulbul: *Hypsipetes ganeesa*  
Striated Bulbul: *Alcurus striatus*  
White-browed Bulbul: *Pycnonotus luteolus*  
White-eared Bulbul: *Pycnonotus leucocephalos*  
White-throated Bulbul: *Alophoixus flaveolus*  
Yellow-browed Bulbul: *Acritillas indica*  
Yellow-throated Bulbul: *Pycnonotus xantholaemus*  
Black-faced Bunting: *Emberizaspodocephala*  
Black-headed Bunting: *Emberizamelanoccephala*  
Chestnut Bunting: *Emberizarutila*  
Chestnut-eared Bunting/Chestnut Bunting: *Emberiza fucata*  
Crested Bunting: *Emberizalathami*  
Common Reed Bunting: *Emberizaschoeniclus*  
Godlewski's Bunting: *Emberizagodlewskii*  
Grey-necked Bunting: *Emberizabuchanani*  
Little Bunting: *Emberizapusilla*  
Ortolan Bunting: *Emberizahortulana*  
Pine Bunting: *Emberizalezucocephalos*  
Red-headed Bunting: *Emberizabruniceps*
88. Rock Bunting  
89. Rustic Bunting  
90. Striolated Bunting  
91. Tristram's Bunting  
92. White-capped Bunting  
93. Yellow-browed Bunting  
94. Yellowhammer  
95. Barred Buttonquail  
96. Common or Small Buttonquail  
97. Yellow-legged Buttonquail  
98. Grey-headed Canary-flycatcher  
99. Yellow-bellied Fairy-fantail  

**BUTTONQUAILS**

95. Barred Buttonquail  
96. Common or Small Buttonquail  
97. Yellow-legged Buttonquail  

**CANARY-FLYCATCHERS AND ALLIES**

98. Grey-headed Canary-flycatcher  
99. Yellow-bellied Fairy-fantail  

**CETTIA WARBLERS AND ALLIES**

100. Aberrant Bush-warbler  
101. Asian Stubtail  
102. Black-faced Warbler  
103. Broad-billed Warbler  
104. Brownish-flanked Bush-warbler  
105. Cetti's Warbler  
106. Chestnut-crowned Bush-warbler  
107. Chestnut-headed Tesia  
108. Grey-bellied Tesia  
109. Grey-sided Bush Warbler  
110. Hume's Bush Warbler  
111. Manchurian or Korean Bush-warbler  
112. Mountain Tailorbird  
113. Pale-footed Bush-warbler  
114. Rufous-faced Warbler  
115. Slaty-bellied Tesia  
116. Yellow-bellied Warbler  

**CISTICOLAS, PRINIAS, AND ALLIES**

117. Ashy Prinia  
118. Black-throated Prinia  
119. Common Tailorbird  
120. Dark-necked Tailorbird  
121. Golden-headed Cisticola  
122. Graceful Prinia  
123. Grey-breasted Prinia  
124. Hill Prinia  
125. Jungle Prinia  
126. Plain Prinia  
127. Rufescent Prinia  
128. Rufous-fronted Prinia  
129. Striated Prinia
130. Yellow-bellied Prinia  
131. Zitting Cisticola  
**CORMORANTS**  
132. Great Cormorant  
133. Indian Cormorant  
134. Little Cormorant  
**COURSIERS AND PRATINCOLES**  
135. Collared Pratincole  
136. Cream-coloured Courser  
137. Oriental Pratincole  
138. Small Pratincole/Little Pratincole  
**CRAB-PLOVER**  
139. Crab-plover  
**CROWS AND ALLIES**  
140. Andaman Treepie  
141. Black-headed Jay  
142. Carrion Crow  
143. Collared Treepie  
144. Common Green Magpie  
145. Common Raven  
146. Eurasian Jackdaw  
147. Eurasian Jay  
148. Eurasian Magpie  
149. Grey Treepie  
150. Hooded Crow  
151. Large-billed Crow  
152. Large-spotted Nutcracker  
153. Pied Crow  
154. Red-billed Blue Magpie  
155. Red-billed Chough  
156. Rook  
157. Rufous Treepie  
158. Spotted Nutcracker  
159. White-bellied Treepie  
160. Yellow-billed Blue Magpie  
161. Yellow-billed Chough  
**CUCKOOS**  
162. Andaman Coucal  
163. Asian Emerald Cuckoo  
164. Asian Koel/Western Koel  
165. Banded Bay Cuckoo  
166. Blue-faced Malkoha  
167. Chestnut-winged Cuckoo  
168. Common Cuckoo  
169. Common Hawk-cuckoo  
170. Fork-tailed Drongo-cuckoo
171. Greater Coucal
172. Green-billed Malkoha
173. Grey-bellied Cuckoo
174. Hodgson's or Whistling Hawk Cuckoo
175. Horsfield's Bronze Cuckoo
176. Indian Cuckoo
177. Jacobin Cuckoo/Pied Cuckoo
178. Large Hawk-cuckoo
179. Lesser Coucal
180. Lesser Cuckoo
181. Oriental Cuckoo/Himalayan Cuckoo
182. Plaintive Cuckoo
183. Sirkeer Malkoha
184. Square-tailed Drongo-cuckoo
185. Violet Cuckoo

**DARTERS**

186. Oriental Darter

**DIPPERS**

187. Brown Dipper
188. White-throated Dipper

**DIVERS**

189. Arctic Loon/Black-throated Diver
190. Red-throated Diver/Red-throated Loon

**DRONGOS**

191. Andaman Drongo
192. Ashy Drongo
193. Bronzed Drongo
194. Crow-billed Drongo
195. Greater Racquet-tailed Drongo
196. Hair-crested Drongo
197. Lesser Raaquet-tailed Drongo
198. White-bellied Drongo

**DUCKS, GEESE, AND SWANS**

199. Baikal Teal
200. Bar-headed Goose
201. Bean Goose
202. Common Goldeneye
203. Common Merganser
204. Common Shelduck
205. Common Teal
206. Cotton Pygmy Goose
207. Eastern Spot-billed Duck
208. Eurasian Wigeon
209. Falcated Duck
210. Ferruginous Duck
211. Gadwall

**Anhinga melanoaster**

**Cincluspallasii**

**Cincluscinclus**

**Gaviaarctica**

**Gaviastellata**

**Dicrurusandamanensis**

**Dicrurusleucophaeus**

**Dicrurus aeneus**

**Dicrurusannectens**

**Dicrurusparadiseus**

**Dicrurushottentottus**

**Dicrurusremifer**

**Dicruruscaerulescens**

**Sibirionettaformosa**

**Anser indicus**

**Anserfabalis**

**Bucephalalclangula**

**Mergus merganser**

**Tadornatadorna**

**Anas crecca**

**Nettapuscoromandelianus**

**Anas zonorhyncha**

**Marecapenelope**

**Mareca falcata**

**Aythya nyroca**

**Mareca strepera**
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<td>212.</td>
<td>Garganey</td>
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<td>Red-breasted Merganser</td>
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<td>Ruddy Shelduck</td>
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**FAIRY-BLUEBIRDS**

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<td>Asian Fairy-bluebird</td>
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**FALCONS**

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<td>Collared Falconet</td>
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<td>Common Kestrel</td>
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<td>Eurasian Hobby</td>
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<td>Pied Falconet</td>
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**FANTAILS**

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<td>Spot-breasted Fantail</td>
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<td>White-browed Fantail</td>
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<td>White-throated Fantail</td>
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**FINCHES**

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<td>Black-and-yellow Grosbeak</td>
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<td>Black-headed Greenfinch</td>
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<td>250.</td>
<td>Blanford's Rosefinch</td>
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<td>251.</td>
<td>Blyth's Rosefinch</td>
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252. Brambling
253. Brandt's Mountain Finch
254. Brown Bullfinch
255. Chinese White-browed Rosefinch
256. Collared Grosbeak
257. Common Chaffinch
258. Common Linnet
259. Common Rosefinch
260. Crimson-browed Finch
261. Crimson-winged Finch
262. Dark-breasted Rosefinch
263. Dark-rumped Rosefinch
264. Desert Finch
265. Eurasian Siskin
266. European Goldfinch
267. Fire-fronted Serin
268. Gold-naped Finch
269. Great Rosefinch
270. Grey-headed Bullfinch
271. Hawfinch
272. Himalayan Beautiful Rosefinch
273. Himalayan White-browed Rosefinch
274. Mongolian Finch
275. Orange Bullfinch
276. Pale Rosefinch
277. Pink-browed Rosefinch
278. Pink-rumped Rosefinch
279. Plain Mountain Finch
280. Red Crossbill
281. Red-fronted Rosefinch
282. Red-headed Bullfinch
283. Scarlet Finch
284. Sillem's Rosefinch
285. Spectacled Finch
286. Spot-winged Grosbeak
287. Spot-winged Rosefinch
288. Streaked Rosefinch
289. Three-banded Rosefinch
290. Tibetan Siskin
291. Trumpeter Finch
292. Twite
293. Vinaceous Rosefinch
294. White-winged Grosbeak
295. Yellow-breasted Greenfinch

**FLAMINGOS**

296. Greater Flamingo
Lesser Flamingo

**FLOWERPECKERS**

298. Andaman Flowerpecker

299. Fire-breasted Flowerpecker

300. Nilgiri Flowerpecker

301. Pale-billed Flowerpecker

302. Plain Flowerpecker

303. Scarlet-backed Flowerpecker

304. Thick-billed Flowerpecker

305. Yellow-bellied Flowerpecker

306. Yellow-vented Flowerpecker

**FLYCATCHERS, CHATS AND ALLIES**

307. Andaman Shama

308. Asian Brown Flycatcher

309. Black Redstart

310. Black-and-orange Flycatcher

311. Black-backed Forktail

312. Blue Rock Thrush

313. Blue Whistling Thrush

314. Blue-and-white Flycatcher

315. Blue-capped Redstart

316. Blue-capped Rock Thrush

317. Blue-fronted Redstart

318. Blue-fronted Robin

319. Bluethroat

320. Blue-throated Flycatcher

321. Brown Rock Chat

322. Brown-breasted Flycatcher

323. Chestnut-bellied Rock Thrush

324. Chinese Rubythroat

325. Common Redstart

326. Dark-sided Flycatcher

327. Daurian Redstart

328. Desert Wheatear

329. Eversmann's Redstart

330. Ferruginous Flycatcher

331. Finsch's Wheatear

332. Firethroat

333. Golden Bush Robin

334. Gould's Shortwing

335. Grey Bushchat

336. Hill Blue Flycatcher

337. Himalayan Bush Robin

338. Himalayan Rubythroat

339. Himalayan Shortwing

340. Hodgson's Redstart

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Lesser Flamingo: *Phoeniconaias minor*

Andaman Flowerpecker: *Dicaeum virescens*

Fire-breasted Flowerpecker: *Dicaeum ignipectus*

Nilgiri Flowerpecker: *Dicaeum concolor*

Pale-billed Flowerpecker: *Dicaeum erythrorhynchos*

Plain Flowerpecker: *Dicaeum inornatum*

Scarlet-backed Flowerpecker: *Dicaeum cruentatum*

Thick-billed Flowerpecker: *Dicaeum agile*

Yellow-bellied Flowerpecker: *Dicaeum melanopterus*

Yellow-vented Flowerpecker: *Dicaeum chrysorrhoa*

Andaman Shama: *Copsychus albibrans*

Asian Brown Flycatcher: *Muscicapa auripennis*

Black Redstart: *Phoenicurus ochruros*

Black-and-orange Flycatcher: *Ficedula umbrina*

Black-backed Forktail: *Enicurus immaculatus*

Blue Rock Thrush: *Monticola solitarius*

Blue Whistling Thrush: *Myophonus caeruleus*

Blue-and-white Flycatcher: *Cyanoptila cyanomelana*

Blue-capped Redstart: *Phoenicurus coeruleocephalus*

Blue-capped Rock Thrush: *Monticola cinclorhyncha*

Blue-fronted Redstart: *Phoenicurus frontalis*

Blue-fronted Robin: *Luscinia svecica*

Bluethroat: *Cyornis rubeculoides*

Brown Rock Chat: *Oenanthe fusca*

Brown-breasted Flycatcher: *Muscicapa plumbea*

Chestnut-bellied Rock Thrush: *Monticola rufiventris*

Chinese Rubythroat: *Calliope tschebaiewi*

Common Redstart: *Phoenicurus phoenicurus*

Dark-sided Flycatcher: *Muscicapidae*

Daurian Redstart: *Phoenicurus sauroreus*

Desert Wheatear: *Oenanthe deserti*

Eversmann's Redstart: *Phoenicurus erythrothronotus*

Ferruginous Flycatcher: *Muscicapidae*

Finsch's Wheatear: *Oenanthe finschi*

Firethroat: *Calliope pectardens*

Golden Bush Robin: *Tarsiger chrysaeus*

Gould's Shortwing: *Heteroxena sphenicurus*

Grey Bushchat: *Saxicola ferreus*

Hill Blue Flycatcher: *Cyornis bangymas*

Himalayan Bush Robin: *Tarsiger rufilatus*

Himalayan Rubythroat: *Calliope pectoralis*

Himalayan Shortwing: *Brachypteryx cangularis*

Hodgson's Redstart: *Phoenicurus hodgsoni*
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420. Black-headed Gull  
421. Black-legged Kittiwake  
422. Black-naped Tern  
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424. Brown Noddy
| 425. | Brown-headed Gull | Chroicocephalus brunnicephalus |
| 426. | Caspian Gull | Larus cachinnans |
| 427. | Caspian Tern | Hydroprogne caspia |
| 428. | Common Tern | Sterna hirundo |
| 429. | Franklin's Gull | Leucophaeus pipixcan |
| 430. | Greater Crested Tern | Thalasseus bengalensis |
| 431. | Gull-billed Tern | Gelochelidon nilotica |
| 432. | Lesser Black-backed Gull | Larus fuscus |
| 433. | Lesser Crested Tern | Thalasseus sandwich |
| 434. | Lesser Noddy | Anous sturnirostris |
| 435. | Little Gull | Hydrornis minotus |
| 436. | Little Tern | Sterna alba |
| 437. | Mew Gull | Larus canus |
| 438. | Mongolian Gull | Ichthyaeetus chrysochlepsis |
| 439. | Pallas's Gull | Sterna dougallii |
| 440. | Roseate Tern | Xema sabini |
| 441. | Sabine's Gull | Thalasseus sandvicensis |
| 442. | Sandwich Tern | Sternula sandvicensis |
| 443. | Saunders's Tern | Ichthyaeetus hemprichii |
| 444. | Slender-billed Gull | Onychoprion fuscatus |
| 445. | Sooty Gull | Chlidonias hybrida |
| 446. | Sooty Tern | Gygis alba |
| 447. | Whiskered Tern | Sterna repressa |
| 448. | White Tern | Ichthyaeetus leucophthalmus |
| 449. | White-cheeked Tern | Chlidonias leucopterus |
| 450. | White-eyed Gull | Hypocolius ampelinus |
| 451. | White-winged Tern | Upupa epops |
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| 454. | Grey Hypocolius | IBISES AND SPOONBILLS |
| 455. | Black-headed Ibis | Threskiornis melanocephalus |
| 456. | Eurasian Spoonbill | Platalea leucorodia |
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| 458. | Red-naped Ibis | Pseudibis papillosa |
| 459. | Common Iora | Aegithina tiphia |
| 460. | Marshall's Iora | Aegithina nigrolutea |
| 461. | Bronze-winged Jacana | JACANAS |
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| 467. | Common Kingfisher | Alcedo atthis |
| 468. | Crested Kingfisher | Megacerylele Lugubris |
| 469. | Oriental Dwarf Kingfisher | Ceyxerithaca |
| 470. | Pied Kingfisher | Ceryle rudis |
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| 472. | Stork-billed Kingfisher | Pelargopsis capensis |
| 473. | White-throated Kingfisher | Halcyon Smyrnensis |

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| 474. | Black Eagle | Ictinaetus malaiensis |
| 475. | Black-winged Kite | Elanus caeruleus |
| 476. | Bonelli's Eagle | Aquila fasciata |
| 477. | Booted Eagle | Hieraaetus pennatus |
| 478. | Brahminy Kite | Haliastur indus |
| 479. | Common Buzzard | Buteo buteo |
| 480. | Crested Serpent Eagle | Spilornis cheela |
| 481. | European Honey Buzzard | Pernis apivorus |
| 482. | Grey-faced Buzzard | Butastur indicus |
| 483. | Himalayan Buzzard | Buteo rufinus |
| 484. | Legge's Hawk Eagle | Nisaetus kelaartii |
| 485. | Long-legged Buzzard | Buteo rufinus |
| 486. | Oriental Honey Buzzard | Pernis ptilorhynchus |
| 487. | Red Kite | Milvus milvus |
| 488. | Rough-legged Buzzard | Buteo lagopus |
| 489. | Shikra | Accipiter badius |
| 490. | Western Marsh Harrier | Circus aeruginosus |

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| 491. | Ashy-crowned Sparrow Lark | Eremopterix griseus |
| 492. | Bengal Bushlark | Mira fraassamica |
| 493. | Bimaculated Lark | Melanocoryphus submaculatus |
| 494. | Black-crowned Sparrow Lark | Eremopterix nigricaps |
| 495. | Crested Lark | Galerida cristata |
| 496. | Desert Lark | Ammomanes deserti |
| 497. | Eurasian Skylark | Alauda arvensis |
| 498. | Greater Hoopoe Lark | Alaemon alaudipes |
| 499. | Greater Short-toed Lark | Calandrella brachydyactyla |
| 500. | Horned Lark | Eremophilaelaptes |
| 501. | Hume's Short-toed Lark | Calandrella acutirostris |
| 502. | Indian Bushlark | Mirafra erythrocephala |
| 503. | Jerdon's Bushlark | Mirafra affinis |
| 504. | Lesser Short-toed Lark | Alaudatarfuscens |
| 505. | Malabar Lark | Galerida malabarica |
| 506. | Oriental Skylark | Alauda gulgula |
| 507. | Rufous-tailed Lark | Ammomanes phoenicuira |
508. Sand Lark  
509. Singing Bushlark  
510. Sykes's Lark  
511. Sykes's Short-toed Lark  
512. Tibetan Lark

**LAUGHINGTHRUSHES AND LARGE BABBLERS**

513. Assam Laughingthrush  
514. Beautiful Sibia  
515. Bhutan Laughingthrush  
516. Black-faced Laughingthrush  
517. Blue-winged Laughingthrush  
518. Blue-winged Minla  
519. Brown-capped Laughingthrush  
520. Brown-cheeked Fulvetta  
521. Chestnut-backed Laughingthrush  
522. Chestnut-crowned Laughingthrush  
523. Chestnut-tailed Minla  
524. Common Babbler  
525. Elliot's Laughingthrush  
526. Greater Necklaced Laughingthrush  
527. Grey Sibia  
528. Grey-sided Laughingthrush  
529. Himalayan Cutia  
530. Hoary-throated Barwing  
531. Jungle Babbler  
532. Large Grey Babbler  
533. Lesser Necklaced Laughingthrush  
534. Long-tailed Sibia  
535. Mount Victoria Babax  
536. Moustached Laughingthrush  
537. Nepal Fulvetta  
538. Palani Laughingthrush  
539. Red-billed Leiothrix  
540. Red-faced Liocichla  
541. Red-tailed Minla  
542. Rufous Babbler  
543. Rufous Sibia  
544. Rufous-backed Sibia  
545. Rufous-chinned Laughingthrush  
546. Rufous-necked Laughingthrush  
547. Rufous-vented Laughingthrush  
548. Rusty-fronted Barwing  
549. Scaly Laughingthrush  
550. Silver-eared Mesia  
551. Spot-breasted Laughingthrush  
552. Spotted Laughingthrush

Alaudalaraytal  
Mirafracantillans  
Galerida deva  
Calandrelladukhunensis  
Melanocorypha maxima  
Trochalopteronchrysopterum  
Heterophasiapulchella  
Trochalopteronimbricatum  
Trochalopteron affine  
Trochalopteronquamatum  
Actinoduracyanouroptera  
Trochalopteronaulsteni  
Alcippepoioicephala  
Pterorhinusmchnalis  
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Actinodurastrigula  
Argyacaudata  
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Pterorhinuspectoralis  
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555. Striated Babbler  
556. Striated Laughingthrush  
557. Striped Laughingthrush  
558. Variegated Laughingthrush  
559. Wayanad Laughingthrush  
560. White-browed Laughingthrush  
561. White-crested Laughingthrush  
562. White-throated Laughingthrush  
563. Yellow-billed Babbler  
564. Yellow-throated Laughingthrush  

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566. Ashy-throated Warbler  
567. Blyth's Leaf Warbler  
568. Brooks's Leaf Warbler  
569. Buff-barred Warbler  
570. Buff-throated Warbler  
571. Chestnut-crowned Warbler  
572. Chinese Leaf Warbler  
573. Claudia's Leaf Warbler  
574. Common Chiffchaff  
575. Dusky Warbler  
576. Green Warbler  
577. Green-crowned Warbler  
578. Greenish Warbler  
579. Grey-cheeked Warbler  
580. Grey-crowned Warbler  
581. Grey-hooded Warbler  
582. Hume's Warbler  
583. Large-billed Leaf Warbler  
584. Lemon-rumped Warbler  
585. Mountain Chiffchaff  
586. Plain Leaf Warbler  
587. Sakhalin Leaf Warbler  
588. Sichuan Leaf Warbler  
589. Smoky Warbler  
590. Sulphur-bellied Warbler  
591. Tickell's Leaf Warbler  
592. Two-barred Warbler  
593. Tytler's Leaf Warbler  
594. Western Crowned Warbler  
595. Whistler's Warbler  
596. White-spectacled Warbler  
597. Willow Warbler

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Argyaearlei  
Grammatoptila striata  
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Trochalopteron variegatum  
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Pterorhinussannio  
Garrulaxleucolophus  
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Pterorhinusgalbanus  
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Phylloscopusmaculipennis  
Phylloscopusreguloides  
Phylloscopussubviridis  
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Phylloscopuscastaniceps  
Phylloscopusyunnanensis  
Phylloscopusclaudiae  
Phylloscopuscollybita  
Phylloscopusfuscatus  
Phylloscopusnitidus  
Phylloscopusburkii  
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Phylloscopusgriseolus  
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Phylloscopusplumbeitarsus  
Phylloscopustytleri  
Phylloscopusoccipitalis  
Phylloscopuswhistleri  
Phylloscopus intermedius  
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598. Wood Warbler  
599. Yellow-browed Warbler  
600. Yellow-vented Warbler

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601. Blue-winged Leafbird
602. Golden-fronted Leafbird
603. Jerdon's Leafbird
604. Orange-bellied Leafbird

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605. Baikal Bush Warbler
606. Bristled Grassbird
607. Broad-tailed Grassbird
608. Brown Bush Warbler
609. Chinese Bush Warbler
610. Grasshopper Warbler
611. Lanceolated Warbler
612. Long-billed Bush Warbler
613. Russet Bush Warbler
614. Rusty-rumped Warbler
615. Spotted Bush Warbler
616. Striated Grassbird
617. West Himalayan Bush Warbler

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618. Black-browed Tit
619. Black-throated Tit
620. Crested Tit Warbler
621. White-browed Tit Warbler
622. White-cheeked Tit
623. White-throated Tit

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624. Andaman Cuckooshrike
625. Ashy Minivet
626. Black-headed Cuckooshrike
627. Black-winged Cuckooshrike
628. Grey-chinned Minivet
629. Large Cuckooshrike
630. Long-tailed Minivet
631. Orange Minivet
632. Pied Triller
633. Rosy Minivet
634. Scarlet Minivet
635. Short-billed Minivet
636. Small Minivet
637. Swinhoe's Minivet
638. White-bellied Minivet

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639. Amur Paradise-flycatcher Terpsiphoneincei
640. Black-naped Monarch Hypothymisazurea
641. Blyth's Paradise-flycatcher Terpsiphoneaffinis
642. Indian Paradise-flycatcher Terpsiphone paradisi

MUNIAS
643. Black-throated Munia Lonchurakelaarti
644. Chestnut Munia Lonchura atricapilla
645. Indian Silverbill Euodicemalabarica
646. Red Munia Amandavaamandava
647. Scaly-breasted Munia Lonchurapunctulata
648. Tricoloured Munia Lonchuramalacca
649. White-rumped Munia Lonchura striata

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650. Andaman Nightjar Caprimulgus andamanicus
651. European Nightjar Caprimulgus europaeus
652. Great Eared Nightjar Lyncornismacrotis
653. Grey Nightjar Caprimulgus jotaka
654. Indian Nightjar Caprimulgus asiaticus
655. Jerdon's Nightjar Caprimulgus atripennis
656. Jungle Nightjar Caprimulgus indicus
657. Large-tailed Nightjar Caprimulgus macrurus
658. Savanna Nightjar Caprimulgus affinis
659. Sykes's Nightjar Caprimulgus mahrattensis

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660. Chestnut-bellied Nuthatch Sittacinnamoventris
661. Chestnut-vented Nuthatch Sittanagaensis
662. Indian Nuthatch Sittacastanea
663. Kashmir Nuthatch Sittacashmirensis
664. Velvet-fronted Nuthatch Sitta frontalis
665. White-cheeked Nuthatch Sitta leucopsis
666. White-tailed Nuthatch Sittahimalayensis
667. Yunnan Nuthatch Sittayunnanensis

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668. Black-hooded Oriole Oriolusxanthornus
669. Black-naped Oriole Oriolus chinensis
670. Eurasian Golden Oriole Oriolusoriolus
671. Indian Golden Oriole Orioluskundoo
672. Maroon Oriole Oriolustraillii
673. Slender-billed Oriole Oriolustenuirostris

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674. Andaman Hawk Owl Ninoxaffinis
675. Andaman Scops Owl Otusballi
676. Asian Barred Owlet Glaucidiumcuculoides
677. Boreal Owl Aegoliusfunereus
678. Brown Hawk Owl Ninoxscutulata
679. Collared Owlet Taeniopynxbrodiei
680. Collared Scops Owl  
681. Dusky Eagle Owl  
682. Eurasian Scops Owl  
683. Himalayan Owl  
684. Hume's Hawk Owl  
685. Indian Scops Owl  
686. Jungle Owlet  
687. Little Owl  
688. Mountain Scops Owl  
689. Nicobar Scops Owl  
690. Oriental Scops Owl  
691. Pallid Scops Owl  
692. Spotted Owlet  
693. Tawny Owl  

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694. Eurasian Oystercatcher  

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695. Greater Painted-snipe  

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696. Black-throated Parrotbill  
697. Brown Parrotbill  
698. Brown-throated Fulvetta  
699. Fire-tailed Myzornis  
700. Fulvous Parrotbill  
701. Golden-breasted Fulvetta  
702. Great Parrotbill  
703. Grey-headed Parrotbill  
704. Jerdon's Babbler  
705. Lesser Rufous-headed Parrotbill  
706. Manipur Fulvetta  
707. Rufous-headed Parrotbill  
708. Spot-breasted Parrotbill  
709. White-breasted Parrotbill  
710. White-browed Fulvetta  
711. Yellow-eyed Babbler  

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712. Alexandrine Parakeet  
713. Blossom-headed Parakeet  
714. Grey-headed Parakeet  
715. Long-tailed Parakeet  
716. Malabar Parakeet  
717. Nicobar Parakeet  
718. Plum-headed Parakeet  
719. Rose-ringed Parakeet  
720. Slaty-headed Parakeet  
721. Vernal Hanging Parrot
### PARTRIDGES, QUAILS, AND PHEASANTS

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<th>No.</th>
<th>Name</th>
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<tr>
<td>722</td>
<td>Black Francolin</td>
<td>Francolinus francolinus</td>
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<td>Blue-breasted Quail</td>
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<td>Chestnut-breasted Partridge</td>
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<td>725</td>
<td>Chinese Francolin</td>
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<td>Chukar Partridge</td>
<td>Alectoris chukar</td>
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<td>Common Quail</td>
<td>Coturnix coturnix</td>
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<td>728</td>
<td>Grey Francolin</td>
<td>Francolinus pondicerianus</td>
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<td>729</td>
<td>Hill Partridge</td>
<td>Arborophila torquola</td>
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<td>730</td>
<td>Himalayan Snowcock</td>
<td>Tetraogallus himalayensis</td>
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<td>731</td>
<td>Japanese Quail</td>
<td>Coturnix japonica</td>
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<td>732</td>
<td>Jungle Bush Quail</td>
<td>Perdicula asiatica</td>
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<td>Koklass Pheasant</td>
<td>Pucrasia macrolopha</td>
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<td>734</td>
<td>Painted Bush Quail</td>
<td>Perdicula erythrorhyncha</td>
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<td>735</td>
<td>Painted Francolin</td>
<td>Francolinus pictus</td>
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<td>Painted Spurfowl</td>
<td>Galloperdix lunulata</td>
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<td>737</td>
<td>Rain Quail</td>
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<td>738</td>
<td>Red Junglefowl</td>
<td>Gallus gallus</td>
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<td>739</td>
<td>Red Spurfowl</td>
<td>Galloperdix spadicea</td>
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<td>740</td>
<td>Rock Bush Quail</td>
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<td>Rufous-throated Partridge</td>
<td>Arborophila rufogularis</td>
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<td>742</td>
<td>Snow Partridge</td>
<td>Lerwa lerwa</td>
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<td>743</td>
<td>Tibetan Partridge</td>
<td>Perdix hodgsoniae</td>
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<td>744</td>
<td>White-cheeked Partridge</td>
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### PELICANS

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<td>Dalmatian Pelican</td>
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<td>746</td>
<td>Great White Pelican</td>
<td>Pelecanus onocrotalus</td>
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<td>747</td>
<td>Spot-billed Pelican</td>
<td>Pelecanus philippensis</td>
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### PENDULINE TITS

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<tr>
<td>748</td>
<td>White-crowned Penduline Tit</td>
<td>Remiz coronatus</td>
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### PETRELS AND SHEARWATERS

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<td>749</td>
<td>Barau's Petrel</td>
<td>Pterodroma baraui</td>
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<td>750</td>
<td>Cory's Shearwater</td>
<td>Calonectris borealis</td>
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<td>751</td>
<td>Flesh-footed Shearwater</td>
<td>Ardenia carneipes</td>
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<td>752</td>
<td>Jouanin's Petrel</td>
<td>Bulweria fallax</td>
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<td>753</td>
<td>Persian Shearwater</td>
<td>Puffinus persicus</td>
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<td>754</td>
<td>Short-tailed Shearwater</td>
<td>Ardenia tenuirostris</td>
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<td>755</td>
<td>Streaked Shearwater</td>
<td>Calonectris leucomelas</td>
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<td>756</td>
<td>Tropical Shearwater</td>
<td>Puffinus bailloni</td>
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<td>757</td>
<td>Wedge-tailed Shearwater</td>
<td>Ardenia pacifica</td>
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### PIGEONS AND DOVES

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<tr>
<td>758</td>
<td>Andaman Cuckoo Dove</td>
<td>Macropygiarufipennis</td>
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<td>759</td>
<td>Andaman Green Pigeon</td>
<td>Treron chloropterus</td>
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<td>760</td>
<td>Andaman Wood Pigeon</td>
<td>Columba palumboides</td>
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<td>761</td>
<td>Ashy Wood Pigeon</td>
<td>Columba pulchricollis</td>
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<td>762</td>
<td>Ashy-headed Green Pigeon</td>
<td>Treron phayrei</td>
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</table>
763. Asian Emerald Dove | Chalcophaps indica
764. Barred Cuckoo Dove | Macropygiaunchall
765. Common Wood Pigeon | Columba palumbus
766. Eurasian Collared Dove | Streptopeliadecaocto
767. European Turtle Dove | Streptopeliaturtur
768. Green Imperial Pigeon | Duculaaenea
769. Grey-fronted Green Pigeon | Treronaffinis
770. Hill Pigeon | Columba rupestris
771. Laughing Dove | Streptopelia senegalensis
772. Mountain Imperial Pigeon | Duculabadia
773. Namaqua Dove | Oena capensis
774. Nicobar Imperial Pigeon | Duculanicobarica
775. Orange-breasted Green Pigeon | Treronbicinctus
776. Oriental Turtle Dove | Streptopeliaorientalis
777. Pied Imperial Pigeon | Duculabicolor
778. Pin-tailed Green Pigeon | Treronapicauda
779. Red Collared Dove | Streptopeliatranquebarica
780. Snow Pigeon | Columba leuconota
781. Speckled Wood Pigeon | Columba hodgsonii
782. Spotted Dove | Streptopelia chinensis
783. Thick-billed Green Pigeon | Treronsphenurus
784. Wedge-tailed Green Pigeon | Treronphoenicopterus
785. Yellow-footed Green Pigeon | Trail Pigeon

PIPPITS AND WAGTAILS

786. Blyth's Pipit | Anthusgodlewskii
787. Buff-bellied Pipit | Anthusrubescens
788. Citrine Wagtail | Motacillacitreola
789. Eastern Yellow Wagtail | Motacillatschutschensis
790. Forest Wagtail | Dendronanthus indicus
791. Grey Wagtail | Motacilla cinerea
792. Long-billed Pipit | Anthussimiilis
793. Meadow Pipit | Anthus pratensis
794. Olive-backed Pipit | Anthushodgsoni
795. Paddyfield Pipit | Anthus Rufulus
796. Red-throated Pipit | Anthus cervinus
797. Richard's Pipit | Anthus richardi
798. Rosy Pipit | Anthusroseatus
799. Tawny Pipit | Anthus campestris
800. Tree Pipit | Anthustrivialis
801. Upland Pipit | Anthus sylvanus
802. Water Pipit | Anthusspinoletta
803. Western Yellow Wagtail | Motacillaflava
804. White Wagtail | Motacilla alba
805. White-browed Wagtail | Motacillamaderaspatensis

PITTAS

806. Blue Pitta | Hydrornis cyaneus
<table>
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<th>Page</th>
<th>Bird Name</th>
<th>Scientific Name</th>
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<tr>
<td>807</td>
<td>Blue-naped Pitta</td>
<td><em>Hydrornis nipalensis</em></td>
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<td>808</td>
<td>Blue-winged Pitta</td>
<td><em>Pitta moluccensis</em></td>
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<td>Hooded Pitta</td>
<td><em>Pitta sordida</em></td>
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<td>810</td>
<td>Indian Pitta</td>
<td><em>Pitta brachyura</em></td>
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<td>811</td>
<td>Mangrove Pitta</td>
<td><em>Pitta megarhyncha</em></td>
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**PLOVERS AND LAPWINGS**

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<tr>
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<td>American Golden Plover</td>
<td><em>Pluvialis dominica</em></td>
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<td>Caspian Plover</td>
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<td>Common Ringed Plover</td>
<td><em>Charadrius hiatricula</em></td>
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<td>815</td>
<td>Eurasian Golden Plover</td>
<td><em>Pluvialisapricaria</em></td>
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<td>816</td>
<td>Greater Sand Plover</td>
<td><em>Charadrius leschenaultii</em></td>
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<td>Grey Plover</td>
<td><em>Pluvialissquatarola</em></td>
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<td>Grey-headed Lapwing</td>
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<td>Kentish Plover</td>
<td><em>Charadrius alexandrinus</em></td>
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<td>Lesser Sand Plover</td>
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<td>Little Ringed Plover</td>
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<td>Long-billed Plover</td>
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<td>Northern Lapwing</td>
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<td>Red-wattled Lapwing</td>
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<td>River Lapwing</td>
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<td>White-tailed Lapwing</td>
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<td>829</td>
<td>Yellow-wattled Lapwing</td>
<td><em>Vanellusmalabaricus</em></td>
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**RAILS AND COOTS**

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<tr>
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<td><em>Zaporniabicolor</em></td>
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<td>Brown-cheeked Rail</td>
<td><em>Rallus indicus</em></td>
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<td>Common Moorhen</td>
<td><em>Gallinula chloropus</em></td>
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<td>Corncrake</td>
<td><em>Crex crex</em></td>
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<td>Eurasian Coot</td>
<td><em>Fulicaatra</em></td>
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<td>Grey-headed Swamphen</td>
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<td>Little Crane</td>
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<td>Ruddy-breasted Crane</td>
<td><em>Zapornia fusca</em></td>
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<td>Slaty-breasted Rail</td>
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<td>Water Rail</td>
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<td>Watercock</td>
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<td>846</td>
<td>White-breasted Waterhen</td>
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847. White-browed Crake  
**REED WARBLERS AND ALLIES**
848. Black-browed Reed Warbler  
849. Blunt-winged Warbler  
850. Blyth's Reed Warbler  
851. Booted Warbler  
852. Clamorous Reed Warbler  
853. Great Reed Warbler  
854. Large-billed Reed Warbler  
855. Moustached Warbler  
856. Oriental Reed Warbler  
857. Paddyfield Warbler  
858. Sedge Warbler  
859. Sykes's Warbler  
860. Thick-billed Warbler  

**ROLLERS**
861. Dollarbird  
862. European Roller  
863. Indian Roller  
864. Indochinese Roller  

**SANDGROUSES**
865. Black-bellied Sandgrouse  
866. Chestnut-bellied Sandgrouse  
867. Painted Sandgrouse  
868. Pallas's Sandgrouse  
869. Pin-tailed Sandgrouse  
870. Spotted Sandgrouse  
871. Tibetan Sandgrouse  

**SANDPIPERS**
872. Asian Dowitcher  
873. Bar-tailed Godwit  
874. Black-tailed Godwit  
875. Broad-billed Sandpiper  
876. Buff-breasted Sandpiper  
877. Common Greenshank  
878. Common Redshank  
879. Common Sandpiper  
880. Common Snipe  
881. Curlew Sandpiper  
882. Dunlin  
883. Eurasian Curlew  
884. Eurasian Woodcock  
885. Great Snipe  
886. Green Sandpiper  
887. Grey-tailed Tattler  
888. Jack Snipe

- **Poliolimnas cinereus**
- **Acrocephalusbistriegerps**
- **Acrocephalusconcinens**
- **Acrocephalusdumetorum**
- **Iduna caligata**
- **Acrocephalusstentoreus**
- **Acrocephalusarundinaceus**
- **Acrocephalusorinus**
- **Acrocephalusorientalis**
- **Acrocephalusagricola**
- **Acrocephaluschoenobaenus**
- **Arundinaxaedon**
- **Eurystomusorientalis**
- **Coracias garrulus**
- **Coracias benghalensis**
- **Coracias affinis**
- **Pteroclesorientalis**
- **Pteroclessexustus**
- **Pterocles indicus**
- **Syrrhaptes paradoxus**
- **Pteroclesalchata**
- **Pteroclessenegallus**
- **Syrrhapsteinibetalanus**
- **Limnodromussemipalmatus**
- **Limosalapponica**
- **Limosalimosa**
- **Calidrisfalcinellus**
- **Calidris subruficollis**
- **Tringanebularia**
- **Tringatotanus**
- **Actitishypoleucus**
- **Gallinagogallinago**
- **Calidris ferruginea**
- **Gallinago alpina**
- **Numenius arquata**
- **Scolopaxrusticola**
- **Gallinago media**
- **Tringaochropus**
- **Tringabrevipes**
- **Lymnocryptesminimus**
889. Little Stint  
890. Long-billed Dowitcher  
891. Long-toed Stint  
892. Marsh Sandpiper  
893. Pectoral Sandpiper  
894. Pintail Snipe  
895. Red Knot  
896. Red Phalarope  
897. Red-necked Phalarope  
898. Red-necked Stint  
899. Ruddy Turnstone  
900. Ruff  
901. Sanderling  
902. Sharp-tailed Sandpiper  
903. Solitary Snipe  
904. Spotted Redshank  
905. Swinhoe's Snipe  
906. Temminck's Stint  
907. Terek Sandpiper  
908. Whimbrel  
909. Wood Sandpiper  

**SCIMITAR BABBLERS AND ALLIES**

910. Bar-winged Wren Babbler  
911. Black-chinned Babbler  
912. Buff-chested Babbler  
913. Cachar Wedge-billed Babbler  
914. Chestnut-capped Babbler  
915. Chin Hills Wren Babbler  
916. Coral-billed Scimitar Babbler  
917. Dark-fronted Babbler  
918. Golden Babbler  
919. Grey-bellied Wren Babbler  
920. Grey-throated Babbler  
921. Indian Scimitar Babbler  
922. Large Scimitar Babbler  
923. Pin-striped Tit Babbler  
924. Red-billed Scimitar Babbler  
925. Rufous-capped Babbler  
926. Rufous-throated Wren Babbler  
927. Rusty-cheeked Scimitar Babbler  
928. Sikkim Wedge-billed Babbler  
929. Slender-billed Scimitar Babbler  
930. Snowy-throated Babbler  
931. Spot-breasted Scimitar Babbler  
932. Streak-breasted Scimitar Babbler  
933. Tawny-bellied Babbler

Calidris minuta  
Limnodromus scolopaceus  
Calidris subminuta  
Tringa stagnatilis  
Calidris melanotos  
Gallinago stenura  
Calidris canutus  
Phalaropus fulicarius  
Phalaropus lobatus  
Calidris ruficollis  
Arenaria interpres  
Calidris alba  
Calidris acuminata  
Gallinago solitaria  
Tringa erythropus  
Gallinago megala  
Calidris temminckii  
Xenus cinereus  
Numenius phaeopus  
Tringa glareola

Spelaeornis troglodytoides  
Cyanodermapyrhops  
Cyanodera mambiguum  
Stachyris roberti  
Timaliapiileata  
Spelaeornis oatesi  
Pomatorhinus ferruginosus  
Dumetia atriceps  
Cyanoderma chrysaeum  
Spelaeornis reptatus  
Stachyris nigriceps  
Pomatorhinushorsfieldii  
Erythrogenyshypoleucus  
Mixornis gularis  
Pomatorhinus ochraceiceps  
Cyanodermaruficeps  
Spelaeornis caudatus  
Erythrogenys erythrogenys  
Stachyris humei  
Pomatorhinus superciliaris  
Stachyris oglei  
Pomatorhinus ruficollis  
Dumetia hyperythra
934. Tawny-breasted Wren Babbler  
935. White-browed Scimitar Babbler

**SHRIKE-BABBLERS AND ALLIES**

936. Black-eared Shrike-babbler  
937. Black-headed Shrike-babbler/White browed Shrike-babbler

938. Blyth's Shrike-babbler  
939. Clicking Shrike-babbler

940. Green Shrike-babbler

941. Himalayan Shrike-babbler  
942. Yuhina

**SHRIKES**

943. Bay-backed Shrike  
944. Brown Shrike

945. Burmese Shrike

946. Great Grey Shrike

947. Grey-backed Shrike

948. Isabelline Shrike

949. Lesser Grey Shrike

950. Long-tailed Shrike

951. Masked Shrike

952. Red-backed Shrike

953. Red-tailed Shrike

954. Woodchat Shrike

**SKUAS**

955. Arctic Skua/Arctic Jaeger

956. Brown Skua

957. Long-tailed Skua/Long-tailed Jaeger

958. Pomarine Skua/Pomarine Jaeger

959. South Polar Skua

**SMALL BABBLERS, FULVETTAS AND ALLIES**

960. Abbott's Babbler

961. Buff-breasted Babbler

962. Eyebrowed Wren Babbler

963. Indian Grassbird/Indian Grass-babbler

964. Long-billed Wren Babbler

965. Puff-throated Babbler

966. Rufous-throated Fulvetta

967. Rufous-winged Fulvetta

968. Rusty-capped Fulvetta

969. Spot-throated Babbler

970. Streaked Wren Babbler

971. White-hooded Babbler
972. Yellow-throated Fulvetta  

**SPARROWS AND SNOWFINCHES**

973. Black-winged Snowfinch  
974. Blanford’s or Plain-backed Snowfinch  
975. Eurasian Tree Sparrow  
976. House Sparrow  
977. Pale Rockfinch/Pale Sparrow  
978. Rock Sparrow  
979. Rufous-necked Snowfinch  
980. Russet Sparrow  
981. Sind Sparrow  
982. Spanish Sparrow  
983. White-rumped Snowfinch  
984. Yellow-throated Sparrow  

**STARLINGS AND MYNAS**

985. Asian Glossy Starling  
986. Asian Pied Starling  
987. Bank Myna  
988. Brahminy Starling  
989. Chestnut-checked Starling  
990. Chestnut-tailed Starling  
991. Collared Myna  
992. Common Starling  
993. Daurian or Purple-backed Starling  
994. Golden-crested Myna  
995. Great Myna  
996. Jungle Myna  
997. Malabar Starling  
998. Red-billed Starling  
999. Rosy Starling  
1000. Southern Hill Myna  
1001. Spot-winged Starling  
1002. White-cheeked Starling  
1003. White-headed Starling  

**STILTS AND AVOCETS**

1004. Black-winged Stilt  
1005. Pied Avocet  

**STORKS**

1006. Asian Openbill  
1007. Asian Woolly-necked Stork  
1008. Black Stork  
1009. Black-necked Stork  
1010. Painted Stork  
1011. White Stork  

Schoeniparus cinereus  
Montifringilla adamsi  
Pyrgilaudablanfordi  
Passer montanus  
Passer domesticus  
Carpospizabrachydactyla  
Petroniapetronia  
Pyrgilauda ruficollis  
Passer cinnamomeus  
Passer pyrrhonotus  
Passer hispaniolensis  
Onychostruthustaczanowskii  
Gymnorisxanthocollis  
Aplonispanayensis  
Gracupica contra  
Acridotheresginginianus  
Sturniapagodarum  
Agropsarphilippensis  
Sturniamalabarica  
Acridothersalbocinctus  
Sturnus vulgaris  
Agropsarsturninus  
Ampelicepscoronatus  
Acridothersgrandis  
Acridothersfuscus  
Sturniablythii  
Spodiopsarsericeus  
Pastor roseus  
Gracula indica  
Saroglossaspilopterus  
Spodiopsarcineraeus  
Sturniaerythropygia  
Himantopus himantopus  
Recurvirostraavosetta  
Anastomusoscitans  
Ciconia episcopus  
Ciconia nigra  
Ephippiorhynchus asiaticus  
Mycteria leucocephala  
Ciconia ciconia
SUNBIRDS

1012. Black-throated Sunbird  
1013. Crimson Sunbird  
1014. Crimson-backed Sunbird  
1015. Fire-tailed Sunbird  
1016. Green-tailed Sunbird  
1017. Little Spiderhunter  
1018. Loten’s Sunbird  
1019. Mrs Gould's Sunbird  
1020. Olive-backed Sunbird  
1021. Purple Sunbird  
1022. Purple-rumped Sunbird  
1023. Ruby-cheeked Sunbird  
1024. Streaked Spiderhunter  
1025. Van Hasselt's Sunbird  
1026. Vigors's Sunbird

Aethopygasaturata  
Aethopygasiparaja  
Leptocoma minima  
Aethopygaignicauda  
Aethopyganipalensis  
Arachnotheralongirostra  
Cinnyrislotenius  
Aethopygagouldiae  
Cinnyris jugularis  
Cinnyris asiaticus  
Leptocomazeylonica  
Chalcopariasingalensis  
Arachnothera magna  
Leptocombraziliana  
Aethopygavigorsii

SWALLOWS AND MARTINS

1027. Asian House Martin  
1028. Barn Swallow  
1029. Dusky Crag Martin  
1030. Eurasian Crag Martin  
1031. Grey-throated Martin  
1032. Hill Swallow/House Swallow  
1033. Nepal House Martin  
1034. Northern House Martin  
1035. Pacific Swallow  
1036. Pale Martin  
1037. Red-rumped Swallow  
1038. Sand Martin  
1039. Streak-throated Swallow  
1040. Striated Swallow  
1041. Wire-tailed Swallow

Delichondasypus  
Hirundorustica  
Ptyonoprogne concolor  
Ptyonoprognerupestris  
Riparia chinensis  
Hirundodomicola  
Delichonnipalense  
Delichonurubicum  
Hirundotahitica  
Riparia diluta  
Ceropisaurica  
Riparia riparia  
Petrochelidonfluvicola  
Ceropisstriolata  
Hirundosmithii

SWIFTS

1042. Alpine Swift  
1043. Asian Palm Swift  
1044. Blyth’s Swift  
1045. Brown-backed Needletail  
1046. Common Swift  
1047. Himalayan Swiftlet  
1048. Indian House Swift  
1049. Indian Swiftlet  
1050. Nepal House Swift  
1051. Pacific Swift  
1052. Plume-toed Swiftlet  
1053. Silver-backed Needletail  
1054. White-rumpedSpinetail

Tachymarptis melba  
Cypsiurusbalasiensis  
Apus leuconyx  
Hirundapus giganteus  
Apus apus  
Aerodramusbrevirostris  
Apus affinis  
Aerodramus unicolor  
Apus nipalensis  
Apus pacificus  
Collocalia affinis  
Hirundapuscochinchinensis  
Zoonavena sylvatica
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<th>Scientific Name</th>
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<td>1055.</td>
<td>White-throated Needletail</td>
<td><em>Hirundapus caudacutus</em></td>
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<td>Asian Desert Warbler</td>
<td><em>Cisticola nana</em></td>
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<td>Barred Warbler</td>
<td><em>Cisticola canisoria</em></td>
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<td>Common Whitethroat</td>
<td><em>Cisticola communis</em></td>
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<td>Eastern Orphean Warbler</td>
<td><em>Cisticola crassirostris</em></td>
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<td>Garden Warbler</td>
<td><em>Sylvia borin</em></td>
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<td>Lesser Whitethroat</td>
<td><em>Cisticola curruca</em></td>
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<td>Beach Thick-knee</td>
<td><em>Esacus magnirostris</em></td>
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<td><em>Esacus recurvirostris</em></td>
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<td><em>Burhinus indicus</em></td>
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<td>Black-breasted Thrush</td>
<td><em>Turdus dissimilis</em></td>
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<td>Black-throated Thrush</td>
<td><em>Turdus atrogularis</em></td>
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<td>Chestnut Thrush</td>
<td><em>Turdus rubrocanus</em></td>
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<td>Dusky Thrush</td>
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<td><em>Turdus pilaris</em></td>
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<td><em>Turdus feae</em></td>
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<td>Grey-winged Blackbird</td>
<td><em>Turdus boulboul</em></td>
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<td>Himalayan Forest Thrush</td>
<td><em>Zootheras salimalii</em></td>
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<td>Indian Blackbird</td>
<td><em>Turdus similimus</em></td>
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<td>Japanese Thrush</td>
<td><em>Turdus cardis</em></td>
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<td>Kessler's Thrush</td>
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<td>Mistle Thrush</td>
<td><em>Turdus viscivorus</em></td>
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<td>Naumann's Thrush</td>
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<td><em>Zoothera neilegheriensis</em></td>
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<td><em>Cochoa purpurea</em></td>
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<td>Song Thrush</td>
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<td><em>Turdus albocinctus</em></td>
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**SYLVIA WARBLERS AND ALLIES**

**THICK-KNEES**

**THRUSHES AND ALLIES**

**TITS**
1097. Azure Tit  
1098. Cinereous Tit  
1099. Coal Tit  
1100. Fire-capped Tit  
1101. Green-backed Tit  
1102. Grey-crested Tit  
1103. Ground Tit  
1104. Himalayan Black-lobed Tit  
1105. Indian Black-lobed Tit  
1106. Rufous-naped Tit  
1107. Rufous-vented Tit  
1108. Sultan Tit  
1109. White-naped Tit  
1110. Yellow-browed Tit  
1111. Yellow-cheeked Tit  

**TREE-CREEPERS AND ALLIES**  
1112. Bar-tailed Treecreeper  
1113. Hodgson's Treecreeper  
1114. Hume's Treecreeper  
1115. Indian Spotted Creeper  
1116. Rusty-flanked Treecreeper  
1117. Sikkim Treecreeper  

**TREESWIFTS**  
1118. Crested Treeswift  

**TROGONS**  
1119.  
1120. Malabar Trogon  
1121. Red-headed Trogon  
1122. Ward's Trogon  

**TROPICBIRDS**  
1123. Red-billed Tropicbird  
1124. Red-tailed Tropicbird  
1125. White-tailed Tropicbird  

**WALLCREEPER**  
1126. Wallcreeper  

**WAXWINGS**  
1127. Bohemian Waxwing  

**WEAVERS**  
1128. Baya Weaver  
1129. Black-breasted Weaver  
1130. Streaked Weaver  

**WHISTLERS**  
1131. Mangrove Whistler  

**WHITE-EYES, YUHNAS AND ALLIES**  
1132. Black-chinned Yuhina  
1133. Chestnut-flanked White-eye
1134. Indian White-eye  
1135. Rufous-vented Yuhina  
1136. Striated Yuhina  
1137. Stripe-throated Yuhina  
1138. Whiskered Yuhina  
1139. White-naped Yuhina  

**WOODPECKERS AND ALLIES**  
1140. Andaman Woodpecker  
1141. Bay Woodpecker  
1142. Black-rumped Flameback  
1143. Brown-capped Pygmy Woodpecker  
1144. Brown-fronted Woodpecker  
1145. Common Flameback  
1146. Crimson-breasted Woodpecker  
1147. Darjeeling Woodpecker  
1148. Eurasian Wryneck  
1149. Freckle-breasted Woodpecker  
1150. Fulvous-breasted Woodpecker  
1151. Great Spotted Woodpecker  
1152. Greater Flameback  
1153. Greater Yellownape  
1154. Grey-capped Pygmy Woodpecker  
1155. Grey-headed Woodpecker  
1156. Heart-spotted Woodpecker  
1157. Himalayan Flameback  
1158. Himalayan Woodpecker  
1159. Lesser Yellownape  
1160. Pale-headed Woodpecker  
1161. Rufous Woodpecker  
1162. Rufous-bellied Woodpecker  
1163. Scaly-bellied Woodpecker  
1164. Sind Woodpecker  
1165. Speckled Piculet  
1166. Streak-throated Woodpecker  
1167. Stripe-breasted Woodpecker  
1168. White-bellied Woodpecker  
1169. White-browed Piculet  
1170. White-naped Woodpecker  
1171. Yellow-crowned Woodpecker  

**WOODSHRIKES AND ALLIES**  
1172. Bar-winged Flycatcher-shrike  
1173. Common Woodshrike  
1174. Large Woodshrike  
1175. Malabar Woodshrike  

**WOODSWALLOWS**  
1134. Indian White-eye  
1135. Rufous-vented Yuhina  
1136. Striated Yuhina  
1137. Stripe-throated Yuhina  
1138. Whiskered Yuhina  
1139. White-naped Yuhina  

**WOODPECKERS AND ALLIES**  
1140. Andaman Woodpecker  
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1151. Great Spotted Woodpecker  
1152. Greater Flameback  
1153. Greater Yellownape  
1154. Grey-capped Pygmy Woodpecker  
1155. Grey-headed Woodpecker  
1156. Heart-spotted Woodpecker  
1157. Himalayan Flameback  
1158. Himalayan Woodpecker  
1159. Lesser Yellownape  
1160. Pale-headed Woodpecker  
1161. Rufous Woodpecker  
1162. Rufous-bellied Woodpecker  
1163. Scaly-bellied Woodpecker  
1164. Sind Woodpecker  
1165. Speckled Piculet  
1166. Streak-throated Woodpecker  
1167. Stripe-breasted Woodpecker  
1168. White-bellied Woodpecker  
1169. White-browed Piculet  
1170. White-naped Woodpecker  
1171. Yellow-crowned Woodpecker  

**WOODSHRIKES AND ALLIES**  
1172. Bar-winged Flycatcher-shrike  
1173. Common Woodshrike  
1174. Large Woodshrike  
1175. Malabar Woodshrike  

**WOODSWALLOWS**
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<tr>
<td>1176.</td>
<td>Ashy Woodswallow</td>
<td>Artamusfuscus</td>
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<td>White-breasted Woodswallow</td>
<td>Artamusleucorynchus</td>
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<td><strong>WREN BABBLERS</strong></td>
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<td>Nepal Wren Babbler</td>
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<td>Pygmy Wren Babbler</td>
<td>Pnoepygapusilla</td>
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<td>1180.</td>
<td>Scaly-breasted Wren Babbler</td>
<td>Pnoepygaalbiventer</td>
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<td><strong>WRENS</strong></td>
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<td>Northern Wren/Eurasian Wren</td>
<td>Troglodytes troglodytes</td>
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### Part C: REPTILES

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<td>West Indian Leopard Gecko</td>
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<td>Common Cobra/ Spectacled Cobra</td>
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<td>Monocled Cobra/ Monocellate Cobra</td>
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<td>Asiatic Water Snake/ Checkered Keelback</td>
<td>Fowlea piscator</td>
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<td>10.</td>
<td>Banded Krait</td>
<td>Bungarus fasciatus</td>
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<td>Camel Snake</td>
<td>Spalerosophisdiadema</td>
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<td>Dhaman/ Oriental Ratsnake</td>
<td>Ptyas mucosa</td>
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<td>Glossy-bellied Racer</td>
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### Part D: AMPHIBIANS

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<td><em>Fejervaryaacancrivora</em></td>
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<td>Chin Woodfrog</td>
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<td>Crab-eating Frog/ Mangrove Frog</td>
<td><em>Fejervaryamoodiei</em></td>
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<td>Ghosh's Frog/ Manipur Frog</td>
<td><em>Euphlyctisghoshi</em></td>
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<td>Giant Gliding Frog</td>
<td><em>Zhangixalussmaragdinus</em></td>
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<td>Golden Frog/ Bull Frog/ Indian Bull Frog/ Tiger Frog/ Indian Bullfrog</td>
<td><em>Hoplobatrachustigerinus</em></td>
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<td><em>Phrynoderma hexadactylum</em></td>
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<td><em>Polypedatesteraiensis</em></td>
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<td><em>Nasikabatrachussahyadrensis</em></td>
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<td>24</td>
<td>Terai Wart Frog</td>
<td><em>Minervaryateraiensis</em></td>
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<td>25</td>
<td>The Kalasgram Skittering Frog</td>
<td><em>Euphlyctiskalasgramensis</em></td>
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<td>26</td>
<td>Twin-spotted Tree Frog</td>
<td><em>Rhacophorus bipunctatus</em></td>
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<td>27</td>
<td>Yellow-spotted White-lipped Horned Frog</td>
<td><em>Megophrysflavipunctata</em></td>
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<td>28</td>
<td>Sikkim Paa Frog</td>
<td><em>Nanoranaleibigii</em></td>
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### Part E: FISHES

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<tr>
<td>SNAKEHEAD</td>
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<tr>
<td>1.</td>
<td>Orange-spotted Snakehead</td>
<td><em>Channa aurantimaculata</em></td>
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<td>2.</td>
<td>Rainbow Snakehead</td>
<td><em>Channa bleheri</em></td>
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<td>3.</td>
<td>Barca Snakehead</td>
<td><em>Channa barca</em></td>
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<td>CICHLID</td>
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<td>4.</td>
<td>Canara Pearlspot</td>
<td><em>Etroplus canarensis</em></td>
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<td>CARPS</td>
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<td>5.</td>
<td>Maharaja Barb</td>
<td><em>Waikhomiasahyadriensis</em></td>
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<td>LOACH</td>
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<td>6.</td>
<td>Zebra Loach</td>
<td><em>Botia striata</em></td>
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<td>CATFISH</td>
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<td>7.</td>
<td>Ocellated Pufferfish</td>
<td><em>Leiodon cutcutia</em></td>
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### Part F: INSECTS

#### BUTTERFLIES

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<td>1.</td>
<td>Andaman Mormon Butterfly</td>
<td><em>Papilio mayo</em></td>
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<td>2.</td>
<td>Archduke Butterfly</td>
<td><em>Lexias pardalis</em></td>
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<td>3.</td>
<td>Blue Duchess Butterfly</td>
<td><em>Euthalia duda</em></td>
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<td>4.</td>
<td>Blue Oakleaf Butterfly</td>
<td><em>Kallima horsefieldii</em></td>
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<td>5.</td>
<td>Chain Swordtail Butterfly</td>
<td><em>Graphium aristeus</em></td>
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<td>6.</td>
<td>Chinese Yellow Sailer Butterfly</td>
<td><em>Neptis cydippe kirbarniensis</em></td>
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<td>7.</td>
<td>Clipper Butterfly</td>
<td><em>Parthenos sylvia</em></td>
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<td>8.</td>
<td>Common Banded Peacock Butterfly</td>
<td><em>Papiliocrino</em></td>
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<td>9.</td>
<td>Common Bluebottle Butterfly</td>
<td><em>Graphium Sarpedon</em></td>
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<td>10.</td>
<td>Dark Blue Royal Butterfly</td>
<td><em>Pratapa icetasmishmia</em></td>
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<td>11.</td>
<td>Elwes' Silverline Butterfly</td>
<td><em>Spindasiselwesi</em></td>
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<td>12.</td>
<td>Fourbar Swordtail Butterfly</td>
<td><em>Graphiumagetus</em></td>
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<td>13.</td>
<td>Glassy Bluebottle Butterfly</td>
<td><em>Graphium cloanthus</em></td>
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<td>14.</td>
<td>Golden Birdwing Butterfly</td>
<td><em>Troides aeacus</em></td>
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<td>15.</td>
<td>Great Hockeystick Sailer Butterfly</td>
<td><em>Phaedyma Aspasia</em></td>
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<td>16.</td>
<td>Green Dragontail Butterfly</td>
<td><em>Lampropteramages</em></td>
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<td>17.</td>
<td>Khaki Silverline Butterfly</td>
<td><em>Spindasis Rukmini</em></td>
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<td>18.</td>
<td>Lister's Hairstreak Butterfly</td>
<td><em>Pamela dudgeon</em></td>
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<td>19.</td>
<td>Mackwood's Hairstreak Butterfly</td>
<td><em>Strymon mackwoodi</em></td>
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<td>20.</td>
<td>Malabar Banded Peacock Butterfly</td>
<td><em>Papilio buddha</em></td>
</tr>
</tbody>
</table>
21. Malabar Tree Nymph Butterfly  
   *Idea malabarica*
22. Naga Sapphire Butterfly  
   *Heliophorus kohimensis*
23. Painted Courtesan Butterfly  
   *Euripus consimilis*
24. Pale Hockeystick Sailer Butterfly  
   *Neptis manasanamana*
25. Panther Butterfly  
   *Neurosigmasiva*
26. Paona Hairstreak Butterfly  
   *Shirozuozephyrus paona*
27. Peacock Hairstreak Butterfly  
   *Euaspapavo*
28. Queen of Spain Fritillary Butterfly  
   *Issoria lathonia*
29. Red Lacewing Butterfly  
   *Cethosiabiblis*
30. Scarce Blue Oakleaf  
   *Kallimaknyvetti*
31. Southern Birdwing Butterfly  
   *Troides minos*
32. Tamil Lacewing Butterfly  
   *Cethosianietneri*
33. Tytler’s Lascar Butterfly  
   *Pantoporiabeitipaona*
34. Variegated Sailer Butterfly  
   *Neptis armandia*
35. Watson's Hairstreak Butterfly  
   *Chrysozephyrus disparatus pseudoletha*
36. White Commodore Butterfly  
   *Parasarpadudu*
37. Wonderfull Hairstreak Butterfly  
   *Thermozephyrus taxuszulla*
38. Yellowjack Sailer Butterfly  
   *Lasippavirajanar*

**Part G: CRABS**

All species of Hermit Crabs of Subphylum Crustacea, Class Decapoda, and Superfamily Paguroidea

**PART H: MOLLUSCA**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Common Name</th>
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<tr>
<td><strong>CONCHES</strong></td>
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<tr>
<td>1.</td>
<td>Arthritic Spider Conch</td>
<td><em>Harpagoarthriticus</em></td>
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<td>2.</td>
<td>Chiraga Spider Conch</td>
<td><em>Harpago chiragra</em></td>
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<tr>
<td>3.</td>
<td>Giant Spider Conch</td>
<td><em>Lambistruncatatruncata</em></td>
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<td>4.</td>
<td>Millipede Spider Conch</td>
<td><em>Lambis millepeda</em></td>
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<td>5.</td>
<td>Orange Spider Conch</td>
<td><em>Lambiscrocata</em></td>
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<td>6.</td>
<td>Scorpion Spider Conch</td>
<td><em>Lambis scorphius</em></td>
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<td>7.</td>
<td>Sibbald’s Conch</td>
<td><em>Amabiliplicatussibbaldi</em></td>
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<td>8.</td>
<td>Trapezium Horse Conch/Stripped Ox Conch</td>
<td><em>Pleuroloca trapezium</em></td>
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<tr>
<td><strong>COWRIES</strong></td>
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<td>9.</td>
<td>Map Cowry</td>
<td><em>Leporicypraeamappa</em></td>
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<td>Sl. No.</td>
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<td>1.</td>
<td>All species of Demospongiae of Subclass Keratosa of the Orders and Families</td>
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<tr>
<td>2.</td>
<td>Order Dendroceratida: Family Dictyodendrillidae</td>
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<td>3.</td>
<td>Order Dictyoceratida: Families Dysideidae, Irciniidae, Spongiidae, Thorectidae</td>
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<td>4.</td>
<td>All species of Demospongiae of Subclass Heteroscleromorpha of the Orders and Families</td>
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<td>5.</td>
<td>Order Axinellida: Families Axinellidae, Raspailiidae</td>
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<td>Order Biemnida: Family Biemnidae</td>
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<td>Order Bubarida: Family Dictyonellidae</td>
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<td>Order Clionaidae: Family Clionaidae</td>
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<td>Order Scopalinida: Family Scopalinidae</td>
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<td>12.</td>
<td>Order Suberitida: Family Halichondriidae</td>
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<td>All species of Demospongiae of Subclass Verongimorpha of the Order and Family</td>
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<td>Order Verongiida: Family Pseudoceratinidae</td>
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<td>15.</td>
<td>All species of Calcarea of Subclass Calcinea of the Order and Family</td>
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<td>16.</td>
<td>Order Clathrinida: Family Leucettidae</td>
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<td>17.</td>
<td>All species of Calcarea of Subclass Calcaronea</td>
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## Part J: ARACHNIDA

### TARANTULAS

<table>
<thead>
<tr>
<th>Common Name</th>
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<tbody>
<tr>
<td>1. Anantagiri Parachute Spider</td>
<td>Poecilotheriatigrinawesseli</td>
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<td>2. Bengal Ornamental/ Chota Nagpur Parachute Spider</td>
<td>Poecilotheriamiranda</td>
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<td>3. Indian Ornamental Spider/ Regal Parachute Spider</td>
<td>Poecilotheria regalis</td>
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<tr>
<td>4. Mysore Ornamental Spider/ Striated Parachute Spider</td>
<td>Poecilotheria striata</td>
</tr>
<tr>
<td>5. Peacock Tarantula/ Metallic Parachute Spider</td>
<td>Poecilotheriametallica</td>
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<tr>
<td>6. Pederson's Ornamental Spider/ Ghost Ornamental Spider/ Magam Tiger Spider</td>
<td>Poecilotheriavittate</td>
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<tr>
<td>7. Rameshwaram Ornamental/ Rameshwaram Parachute Spider</td>
<td>Poecilotheriahanumavilasumica</td>
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<td>8. Redslate Ornamental Spider/ Rufus Parachute Spider</td>
<td>Poecilotheriaryfilata</td>
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<td>9. Salem Ornamental Spider/ Salem Parachute Spider</td>
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<td>Sl. No.</td>
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<td>Aenhenrya rotundifolia</td>
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<td>Amentotaxus assamica</td>
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<td>Aponogeton bruggeniai</td>
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<td>Aquilaria khasiana</td>
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<td>10</td>
<td>Ceropegia spp.</td>
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<td>Dactylorhiza spp.</td>
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<td>Indopiptadenia oudhensis Syn. Piptadenia oudhensis</td>
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<td>Lilium polyphllum</td>
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<td>34</td>
<td>Meizotropispellita Syn. Butea pellita</td>
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<td>Nardostachys jatamansi</td>
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<td><em>Trachycarpustakil</em></td>
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<td><em>Tribulus terrestris var. rajasthanensis</em></td>
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<td><em>Trillium govanianum</em> Syn. <em>Trillidium govanianum</em> (Hindi)</td>
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<td><em>Urariapicta</em></td>
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<td><em>Valerianaleschenaultii</em></td>
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<td><em>Vanda coerulea</em></td>
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<td><em>Zeuxine</em> spp.</td>
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</table>
ANNEXURE-I

INDIVIDUALS/EXPERTS WHO DEPOSED BEFORE THE COMMITTEE

1. The following Non-official Expert Witnesses appeared before the Committee on 01st February, 2022

   i. Shri Ravi Singh, Trustee, WWF-India
   ii. Shri MK Ranjitsinh, Retired Senior Bureaucrat
   iii. Shri Bivash Pandav, Director, Bombay Natural History Society
   iv. Shri M.D. Madhusudan, National Institute of Biological Science

2. The following Non-official Expert Witnesses attended an informal virtual consultation with the Chairperson of the Committee on 13th February, 2022:

   i. Shri Ravi Singh, Trustee, WWF-India
   ii. Shri MK Ranjitsinh, Retired Senior Bureaucrat
   iii. Shri Bivash Pandav, Director, Bombay Natural History Society
   iv. Shri M.D. Madhusudan, National Institute of Biological Science
   v. Shri H.S. Pabla, Retired Senior Bureaucrat
   vi. Shri Yadavendrajev Jhala, Dean and Scientist-G, Wildlife Institute of India
   vii. Shri Praveen Bhargava, Trustee & Former Member-National Board for Wildlife
   viii. Shri TR Shankar Raman, Nature Conservation Foundation, Mysore
   ix. Shri Sanjay Molur, Executive Director, Zoo Outreach Organisation (ZOO)
   x. Shri Romulus Whitaker, Noted Herpetologist & Conservationist
   xi. Smt Vidya Athreya, Director, Wildlife Conservation Society – India
   xii. Shri Varun R. Goswami, Director & Senior Scientist, Conservation Initiatives
   xiii. Smt Divya Vasudev, Senior Scientist, Conservation Initiatives
   xiv. Shri Suparna Ganguly, President, Wildlife Rescue & Rehabilitation Centre (WRRC)
   xv. Shri Alok Hisarwala Gupta, Animal Rights lawyer
LIST OF INSTITUTIONS AND INDIVIDUALS WHO HAVE SUBMITTED WRITTEN COMMENTS ON THE WILD LIFE (PROTECTION) AMENDMENT BILL, 2021

Individuals on behalf of institutions

1. Shri Praveen Bhargav, Wildlife First, Bengaluru
2. Shri Ritwick Dutta, Legal Initiative for Forest & Environment, New Delhi
4. Shri Sanjay Molur, Zoo Outreach Organisation, Coimbatore
5. Shri Varun Goswami, Conservation Initiatives, Guwahati
7. Shri M.D. Madhusudan, NCBS, Bengaluru
8. Shri Bivash Pandav, BNHS, Mumbai
9. Shri Ravi Singh, WWF India, New Delhi
10. Smt. Suparna Ganguly, WRRC, Bengaluru
11. Shri Shibaji Charan Nayak, Wild Orissa, Bhubaneswar
12. Shri Abi Tamim Vanak, ATREE, Bengaluru
13. Shri Debaditya Sinha, Vidhi Centre for Legal Policy, New Delhi
14. Shri Samir Kumar Sinha, Wildlife Trust of India, New Delhi
16. Shri Alok Hisarwala Gupta, Justice for Animal India,
17. Smt. Debi Goenka, Conservation Action Trust, Mumbai
18. Humane Society International India, Hyderabad
19. Shri Shailendra Singh, Turtle Survival Alliance-India, Lucknow
20. True Conservation Alliance Foundation,
21. Elsie Gabriel, Young Environmentalists Programmes Trust, Mumbai
22. Smt. Nikita Dhawan, Youth for Animals
23. G. Rajesh, Paramakkavu Devaswon, Thissur
24. C. Vijayan, Thriuvambady Devaswom, Thrissur

Eminent Conservationists/retd IFS officers/retd officials/Academics

1. Shri M.K. Ranjitsinh, New Delhi
2. Shri Rom Whitaker, Chennai
3. Shri H.S. Pabra, Bhopal
4. Shri Akula Kishan, Guntur
5. Shri S.K. Khanduri, Dehradun
6. Shri Sanjay Kumar Srivastava, Chennai
7. Shri R.S. Bhadauria, Lucknow
8. Shri B.M.T. Rajeev, Bengaluru
9. Smt. Prerna Singh Bindra, New Delhi
10. Shri Dr. E.K. Easwaran, Aruvikkara, Kerala
11. Shri V.G. Bhandari, Sirsi
12. Shri L.A.K. Singh, Bhubaneswar
13. Shri K. Sivakumar, Puducherry
Hon’ble Members of Parliament

1. Shrimati Hema Malini, Lok Sabha
2. Shrimati Navneet Ravi Rana, Lok Sabha
3. Shri K. Muraleedharan, Lok Sabha
4. Shri Rajmohan Unnithan, Lok Sabha
5. Dr. Lorho S. Pfoze, Lok Sabha
6. Shri Dhairyasheel S. Mane, Lok Sabha

Concerned Citizens

1. Shri Manish Vaidya, Ahmedabad
2. Shri Subir Mario Chowlin, Pauri
3. Shri Dhiraj Umesh Mirajkar, Maharashtra
4. Shri Arvind Jain, New Delhi
5. Shri Bhaskar Asthana, Lucknow
7. Shri Milind Vaman Karkhanis, Panaji
8. Shri Manan Mehta, Mumbai
9. Shri Navneet Chahal, New Delhi
10. Smt. Pankti Desai
11. Shri Sanjay Kumar Singh, Rohini, Delhi
12. Shri Yogesh Kumar
13. Shri Mathen Mathew, Telangana
14. Shri Sandeep Chakrabarti, Bengaluru

Concerned Citizens with identical representations

1. Shri Adnan Khan, Bengaluru
2. Shri Dinesh Kallahalli
3. Shri P. Vijayan, Salem
4. Smt. S. Jayachandran, Ooty, Tamil Nadu
5. Shri K.R. Purandara, Bengaluru
6. Shri Rajendra Prasad, Mandya, Karnataka
7. Shri Ratheesh Pisharody, Bangalore
8. Shri Sharada Ganesh, Bengaluru
9. Shri Shreekumar, Udupi, Karnataka
10. Shri K.J. Siddharth, Bengaluru
11. Shri Srinathmba
12. Shri S. Subbaiah, Bengaluru
13. Shri Sumanas Koulagi, Mandya, Karnataka
14. Shri Sundarmuthanna, Bengaluru
15. Shri T. Vijayendra, Hyderabad, Telangana
RATIONALE OF MINISTRY OF ENVIRONMENT, FORESTS AND CLIMATE CHANGE FOR NOT ACCEPTING THE RECOMMENDATIONS OF THE COMMITTEE FOR INCORPORATING CITES COMMITMENTS IN THE WILD LIFE PROTECTION ACT, 1972 THROUGH SIMPLE AMENDMENTS IN RELEVANT SECTIONS

REGARDING THE DELETION OF CHAPTER VB

The amendments suggested by the Committee will in no significant way improve India’s implementation of CITES. On the other hand, they will result in application of very strict domestic regulations to CITES listed species which are not required by the Convention.

According to the CITES Secretariat’s analysis, the following shortfalls exist in India’s implementation of CITES: a) that the roles and functions of the Management Authority and Scientific Authorities are not clearly defined; b) that there is no legal instrument designating the Scientific Authorities and providing for their independence from the Management Authority; c) that implementation of Articles II, III, IV, V, VI and VII of the Convention through the Foreign Trade Policy rather than through legislation is not sufficient; d) that the legislation does not cover “introduction from the sea” which is one of the elements of international trade regulated by CITES; and e) that it does not cover disposal of confiscated specimens as per the requirements of Article VIII of the Convention. All of these shortfalls have been addressed in the new Chapter VB proposed in the Wild Life (Protection) Amendment Bill, 2021.

The amendments suggested by the Committee do not address most of the shortfalls mentioned above. In particular:

a. they do not address the most important aspect of the Convention, which is the implementation of Articles III, IV, and V (i.e., the rules/conditions of trade for Appendix I, II, and III species respectively) in legislation;

b. they do not address “introduction from the sea” which is one of the categories of trade regulated by CITES and which does not form any part of the current Act or the Foreign Trade Policy; and

c. they do not address disposal of confiscated specimens as per the requirements of Article VIII of the Convention.

These provisions are substantive in nature and should find place in the principal Act rather than Rules made thereunder.

CITES is a technical Convention and it cannot be implemented adequately by simply making minor changes to the existing Wild Life (Protection) Act, 1972. The new Chapter VB and the amendments suggested in the Amendment Bill will result in proper implementation of CITES.
REGARDING APPARENT CONFLICT BETWEEN THE PROPOSED CITES PROVISIONS AND THE CURRENT ACT

The provisions of Chapter VB lay down the regulations based on which international trade may be conducted in CITES listed species. They also provide regulations for the possession, transfer, etc. of CITES-listed live animals, and the breeding / artificial propagation of Appendix-I listed animals and plants. These regulations do not exist in legislation currently and are being introduced for the first time. Therefore, the argument that the provisions are “enabling” rather than “regulatory” is simply not true. It is also worth mentioning that the Act already contains provisions which allow for licensed dealerships for animal articles, captive animals, etc. for species listed on Schedule III and Schedule IV. Therefore, there is no inherent conflict between the Act and the object sought to be achieved by the CITES provisions.

Comments have been received indicating a fear that the provisions of the new Chapter VB may allow for breeding and trade of native Indian species listed in Schedules I and II. The proposed new Sections 49M, 49N, and 49O, which provide for registration of possession, licensing of breeding, etc., of CITES-listed species will not apply to native species listed in Schedules I and II. This is already addressed in the proposed Section 49R of the Amendment Bill which states that where “the same species is listed in Schedule I or II and Schedule IV, then, the provisions of this Act applicable to such species listed in Schedule I or II and the rules made thereunder shall apply.”

However, if there is a need, this Section may be made clearer so as to avoid any doubt.

A suggestion would be that the proposed Section 49R be modified to read as follows:

“49R.-(1) Nothing in Sections 49M, 49N, or 49O of this Chapter shall apply to a species listed in Schedule I or Schedule II if the same species is also listed in Schedule IV.

(2) The provisions of this Chapter shall be subject to the provisions of Chapters III, IIIA, IVA, V, and VA of this Act and without prejudice to anything contained therein.”

REGARDING INCLUSION OF ALL CITES SPECIES AS SPECIFIED PLANTS

The suggestion by the Committee to include CITES species within specified plants will have far-reaching and undesirable consequences. The provisions of Chapter III-A, which apply to specified plants, are very strict regulations which should not apply to all CITES-listed plants. Moreover, the inclusion of all CITES listed plants as specified plants will not in any meaningful way improve India’s implementation of CITES.

Chapter III-A includes the following provisions:

a. Section 17A(a) prohibits the picking or uprooting of specified plants without a license.

b. Section 17A(b) prohibits the possession, sale, transfer, etc. of specified plants or derivatives thereof without a licence.

c. Section 17C prohibits the cultivation of specified plants without a license.
d. Section 17D prohibits dealing in specified plants or parts or derivatives thereof without a license.

CITES lists thousands of species of plants with an aim to regulate international trade in these species. It does not prohibit or regulate the domestic cultivation, trade, usage and consumption of these species. The application of the provisions in Chapter IIIA to these species will result the Act becoming un-implementable.

Some examples of the undesirable results of inclusion of all CITES species as specified plants are as follows:

a. Wood and wood products from CITES-listed tree species will be hit by the prohibitions on possession, sale, purchase, transfer etc. in Chapter III-A. CITES lists valuable timber species both native to India and imported from abroad which are used for making furniture and other wood products. Some examples of these include sheesham (*Dalbergia sissoo*) and Indian rosewood (*Dalbergia latifolia*), and foreign species such as African cherry (*Prunus Africana*), and bubinga (*Guibourtia spp.*).

b. Traditional and Ayurvedic medicines which contain CITES-listed flora will become subject to the prohibitions on possession, sale, purchase, transfer etc. in Chapter III-A. CITES lists several medicinal plants including native species such as kutki (*Picrorhiza kurroa*) and Indian snakeroot (*Rauvolfia serpentina*).

c. Food products and cosmetics made from CITES-listed orchids will become subject to the prohibitions on possession, sale, purchase, transfer etc. in Chapter III-A.

d. Products made from aromatic plants such as agarwood (*Aquilaria malaccensis*) will become subject to the prohibitions on possession, sale, purchase, transfer etc. in Chapter III-A.

REGARDING INCLUSION OF ALL CITES SPECIES AS “WILD ANIMALS”, “CAPTIVE ANIMALS”, ETC.

Inclusion of CITES species as “wild animals” will not in any way result in implementation of the CITES conditions for international trade of such species (Articles III, IV and V of the Convention). CITES regulates import, export, re-export, and introduction from the sea, of CITES listed species. As per CITES, permits are required to be issued for such activities only on the fulfillment of certain conditions (non-detriment findings, legal acquisition findings, etc.). None of these matters are currently provided for in the Act or the Foreign Trade Policy. The proposed Sections 49H, 49-I, 49J, 49K and 49L in the Amendment Bill clearly incorporate the CITES requirements for trade of such species and are an absolutely essential requirement of CITES implementation.

The provisions of the Act applicable to Schedule I and II species are a stricter domestic measure than CITES which are intended primarily for protection of Indian wild animals. They create prohibitions and regulations on the following activities: hunting (Section 9), possession (for Schedule I animals in Sections 40 and 42 of the Act), domestic trade (regulation or prohibition based on the respective Schedule in Sections 40, 43, 44, and Chapter VA of the Act), transport (Section 48A), and purchase (Section 49). These activities are not specifically regulated by CITES, and inclusion of CITES species in such regulations will not result in better implementation of the Convention. Instead, Section 49M has been
proposed in the Amendment Bill so as to ensure legality and traceability of domestic trade of live CITES-listed animal species.

CITES does not regulate the hunting of species and the suggested amendment to include CITES in Section 9 doesn’t contribute towards CITES implementation. Native Indian species which require protection from hunting will be listed in Schedules I and II. There is no advantage in prohibiting hunting of species which do not occur in the wild in India.

Inclusion of all Appendix I and Appendix II CITES listed animal species in Section 40 may have many undesirable consequences.

Two examples of this are:

a. fishing, consumption and domestic trade of CITES-listed marine species, which are currently legal, and in which many fishing communities are involved, will become illegal. Examples of CITES-listed marine species which are landed and consumed in India are oceanic white tip (Carcharhinus longimanus), hammerhead sharks (Sphyrna lewini, Sphyrna mokarran and Sphyrna zygaena) and silky shark (Carcharhinus falciformis).

b. Articles made from exotic CITES-listed species (such as leather goods made from exotic reptile skins, vicugna wool, etc.) which are currently legally possessed and traded in the country will become subject to very strict regulation. All these items will have to be declared and ownership certificates will have to be obtained for them. Possession of such items without ownership certificates will be illegal. Transfer will be possible only through inheritance.

Similarly, Chapter VA prohibits all commercial trade in the species to which it applies. Such a strict level of regulation is undesirable for many CITES listed species, especially marine species and exotic species.
LETTER TO THE CHAIRMAN OF THE COMMITTEE FROM EXPERTS IN
RESPONSE TO THE NOTE OF THE MINISTRY (in ANNEXURE III)

09.04.2022

Shri Jairam Ramesh- M.P
Hon’ble Chairman
Standing Committee on S&T, Environment, Forests & Climate Change

Dear Sir:

Sub: Comments on the Rationale Note with Recommendations
Ref: Your E-mail dated 08.04.2022

We thank you for seeking our comments on the Note titled “Rationale for not accepting CITES changes proposed by the Standing Committee” In response to your request, we are pleased to share our comments along with specific recommendations for your kind consideration.

A bare reading of the said Note reveals that the reasons as to why the CITES Chapter VB ought to be included in the Act have been elaborated. Based on our understanding of the CITES issue and the related intricacies pertaining to implementation of the Wildlife (Protection) Act, 1972 that we are acutely aware due to our long-term work on this subject, we wish to responsibly submit as under -

1. At the outset, it has been stated in the Rationale Note that the amendments suggested by the Standing Committee will in no significant way improve India’s implementation of CITES. We are of the considered view that this appears to be an incorrect reading of the amendments suggested which is substantiated by the following –

1.1 On the official website of CITES and on the webpage “What is CITES” https://cites.org/eng/disc/what.php it is stated that “Although CITES is legally binding on the Parties – in other words they have to implement the Convention – it does not take the place of national laws... each Party, which has to adopt its own domestic legislation to ensure that CITES is implemented at the national level”. This makes it amply clear that if India opts to ensure stricter protection and curb the illegal trade in CITES species where potential for laundering is high, it is free to do so. Thus, it would be incorrect to infer that the Convention is insisting on enacting an enabling law or amendments to the Wildlife Act which will enable extensive trade in CITES species.

1.2 It is also clear that the objective and scope of CITES and the implementation of the regulations is to primarily prevent illegal and unsustainable trade and extinction of species and not to actively promote trade in such species. However, an analysis of the provisions of Chapter VB in the Bill, makes it clear that it is enabling in nature in order to promote trade and facilitate the import of CITES species for large private zoos, aviaries, dolphinariums etc.
1.3 In the current geo-political situation, co-operation between many range states in respect of species whose range spans several countries, is challenging and therefore tighter restrictions are certainly necessary.

1.4 The Management Authority, based at Delhi has no independent mechanism to track issues pertaining to laundering of CITES species, piggy backing on legal trade which will increase exponentially if Chapter VB becomes law. Data pertaining to seizures etc. by different law enforcement agencies are invariably in different silos which makes it difficult to track the illegal cartels who would be applying for CITES permits. In other words, an individual who has cases registered by the Local Police will still get further permits from the Management Authority and continue to operate, as is the case today.

We are of the clear opinion that all these serious issues can only be addressed by the stricter provisions.

2. The note also lists five specific shortfalls that exist in India’s implementation of CITES. In response, we would like to state that we had in our submissions to the Standing Committee presented a template for amendment of certain sections in the Principal Act in order to ensure the Nation’s commitments to the Convention. The specific arguments on how each of these stated shortfalls have been carefully addressed has been drawn from our submissions and presented as follows-

“a) that the roles and functions of the Management Authority and Scientific Authorities are not clearly defined in the recommendations of the Standing Committee;”

Response: That this issue has been clearly addressed by our suggested additional insertion in Section 3A of Principal Act, carefully drawing from Clause 30 in Bill.

“b) that there is no legal instrument designating the Scientific Authorities and providing for their independence from the Management Authority;”

Response: That this has been adequately dealt with by our suggested insertion of subsections (5), (6) & (7) in Section 3A.

c) that implementation of Articles II, III, IV, V, VI and VII of the Convention through the Foreign Trade Policy rather than through legislation is not sufficient;

Response: That nowhere is it insisted by the Convention that CITES should only be dealt with in a separate chapter in the Wildlife Act. On the contrary, it is the stated position of CITES that “…each Party, which has to adopt its own domestic legislation to ensure that CITES is implemented.” Thus, the insistence that Chapter VB alone will satisfy the Convention, has no grounding, particularly when the recommendations on amendment of various sections of the Principal Act, if adopted, not only take care of the stated shortfalls but also provide for a stronger legislative backing as desired by the Convention.

“d) that the legislation does not cover “introduction from the sea” which is one of the elements of international trade regulated by CITES; and”

Response: Introduction from Sea (IFS) is defined in Article 1 of the Convention as “transportation into a State of specimens of any species which were taken in the marine
environment not under the jurisdiction of any State”. Resolution Conf. 14.6 (Rev. CoP16) mandates that after new marine species get added to the Appendices at each meeting of the CoP, correct and effective implementation of the provisions on introduction from the sea becomes increasingly important for the conservation of these species.

To illustrate this – if a new marine species has been caught by a trawler in the high seas outside the territorial waters of India and then brought in and further landed at a port/base, the amendments to Section 2(36) “wild animal”, Section 9 and the amendment to Section 50 in the Bill [clause 31 sub-clause (ii)] and related amendments will actually ensure enforcement to regulate illegal trade which will ensure better protection and conservation which CITES is insisting.

“e) that it does not cover disposal of confiscated specimens as per the requirements of Article VIII of the Convention. All of these shortfalls have been addressed in the new Chapter VB proposed in the Wild Life (Protection) Amendment Bill, 2021”.

Response: Sub-section (1) of Section 49Q in Chapter VB states that when an offence is committed against any CITES species / scheduled specimen it becomes Government Property as specified in Section 39 of the Principal Act. However, sub-section (2) states that when a living specimen of a CITES species is seized for contravention of the WLPA, the Management Authority, can either return the specimen to the country of export (somewhat similar to deportation of an illegal immigrant) or “ensure that it is cared for” by a recognized zoo or rescue centre, in case it cannot be returned.

**In our considered view, this creates a major loophole by which seized specimens can be handed over to a private zoo or rescue centre on the grounds that it will be “cared for”.**

What is surprising to us is that there is no mention of mandatorily handing it over to a Government owned Zoo even though it is Government property.

On the contrary, the inclusion of CITES species in the Section 2(5) & (36) “captive animal” & “wild animal ensures that Section 39 of the Principal Act will apply to such Government Property. This will greatly reduce the scope of private zoos acquiring such seized animals which surely should be the intent of the legislation.

However, the issue of returning the specimen to the country of export can be dealt with by the introduction of sub-section (4) in Section 39 and we can, if sought, submit our suggestion on this separately.

3. It is stated in the note that “Inclusion of CITES species as “wild animals” will not in any way result in implementation of the CITES conditions for international trade of such species... It is further argued that CITES does not regulate the hunting of species and the suggested amendment to include CITES in Section 9 doesn’t contribute towards CITES implementation. Native Indian species which require protection from hunting will be listed in Schedules I and II. There is no advantage in prohibiting hunting of species which do not occur in the wild in India.

In our view, this appears to be a completely erroneous reading of the law which is substantiated by the following –

i. That there is a thriving illegal trade in wildlife including exotic birds which includes species listed in the CITES appendices that are kept trapped in cages in pet animal
markets across the country. Enforcement currently is floundering due to the fact that CITES species are not defined in Section 2(36) as “wild animal”;

ii. Several migratory birds which are listed in CITES appendices but not specified currently in Schedule I – IV in the Principal Act, are winter visitors to India and are found in many wetlands, water bodies, grasslands etc which are not notified Protected Areas. It is widely known that such species, some of which are in the RET category, are often hunted by local gangs. The suggested inclusion of CITES species in Section 9 is, therefore, a well thought out recommendation to deal with such incidents.

iii. Marine species listed in the CITES appendices hunted within or outside the territorial waters will come within the ambit of the Wildlife Act and offenders can be prosecuted effectively based on the suggested amendments to Sections 2 (36), 9, 51(1A), 57 etc.

4. The Rationale note states that “fishing, consumption and domestic trade of CITES-listed marine species, which are currently legal, and in which many fishing communities are involved, will become illegal. Examples of CITES-listed marine species which are landed and consumed in India are oceanic white tip (Carcharhinus longimanus), hammerhead sharks (Sphyrna lewini, Sphyrna mokarran and Sphyrna zygaena) and silky shark (Carcharhinus falciformis)”.

We have spoken to our colleagues in the conservation community who have extensive experience on this subject and they have clearly opined that the facts and the ground reality pertaining to this issue are different. The following are the important facts-

i. Sharks are considered ‘Tigers of the Sea’. There are scientific studies that have documented the overhunting of Sharks leading to serious population declines;

ii. Hunting of Sharks is primarily for the lucrative shark fin trade and not for consumption of meat;

iii. There are several species of sharks that are specified in the Schedules of the Principal Act;

iv. The practice of de-finning sharks at the landing base is very poorly monitored;

iv. Once the fins are removed, it becomes extremely difficult to identify whether the fins are from a protected species or not. This is currently being exploited majorly to launder fins of protected species along with fins from other shark species and exported to China and the Far east for them to feast on shark fin soup. The CITES Management Authority sitting in Delhi just does not have the capacity or resources to monitor and maintain strict vigil. They are currently providing certificates for export of shark fins which is used in shark fin soup.

It is on the basis of these well-grounded facts that stricter provisions are necessary in order to curb the large-scale hunting of sharks.

5. Lastly it is stated that – “Chapter VA prohibits all commercial trade in the species to which it applies. Such a strict level of regulation is undesirable for many CITES listed species, especially marine species and exotic species”
We have carefully analysed this aspect and after due application of mind, suggested inclusion of only Appendix I & II species in Chapter VA of the Principal Act. Surely species in Appendix I & II do require better protection which can be ensured by the suggested amendments to the Principal Act.

**Conclusion:**

In 2020, the Central Government issued an advisory for dealing with import of exotic live species in India and declaration of stock. This is currently on the Parivesh single window clearance portal.

**Vide** this Advisory, a Voluntary Disclosure Scheme has been announced. Under this VDS, the declarer would not be required to produce any documentation in relation to the exotic live species if the same has been declared within six months of the date of issue of the advisory. Thus, this has opened up a major opportunity to “regularize” all illegally held exotic species which may be in the CITES appendices. **The advisory is also silent on whether the prior consent of CITES has been obtained for this as the VDS can be easily exploited to launder illegal stocks.**

With the infiltration of many exotic species, the danger of zoonotic diseases spreading is high, notwithstanding the claim of ensuring disease surveillance. Surely, it would be in supreme National Interest, and after the horrendous impact of Covid-19 to ensure that we take all necessary precautions in this regard.

**Recommendations:**

Therefore, after careful analysis and in order to ensure that the objective of providing legislative backing to CITES, without disturbing the prohibitive structure of Wildlife (Protection) Act, 1972 is achieved, we would like to make the following specific recommendations –

i. That Chapter VB in the Wildlife (Protection) Amendment Bill 2021 be deleted completely and instead, a separate law pertaining to CITES be enacted, which would include provisions from the deleted Chapter VB, with appropriate amendments thereto to ensure safeguards and make the Act self-sustaining with appendices as required by CITES, along with an overriding provision to the effect that the Wildlife (Protection) Act, 1972 would prevail, in case of anything inconsistent contained in the CITES Act; and

ii. That the suggested amendments to sub-sections (5), (19), (27) and (36) of Section 2, Sections 9, 40, 40A(1), 41(1b), 48 (bii), 49A, 51(1A) and 57 be carried out in the Principal Act as well, to ensure that law enforcement agencies will have jurisdiction to prosecute offences against CITES species.

*Sd/-
Dr. M.K. Ranjithsinh
Former Secretary
Government of India

*Sd/-
Praveen Bhargav
Former Member
National Board for Wildlife
THE WILD LIFE (PROTECTION) AMENDMENT BILL, 2021

A BILL

further to amend the Wild Life (Protection) Act, 1972.

Be it enacted by Parliament in the Seventy-second Year of the Republic of India as follows:

1. (1) This Act may be called the Wild Life (Protection) Amendment Act, 2021.

(2) It shall come into force on such date as the Central Government may, by notification in the Official Gazette, appoint.

2. In the preamble of the Wild Life (Protection) Act, 1972 (hereinafter referred to as the principal Act), for the words “protection of wild animals, birds and plants”, the words “conservation, protection and management of wild life” shall be substituted.
3. In section 2 of the principal Act,—

(a) in clause (5), for the words and figures "Schedule I, Schedule II, Schedule III or Schedule IV" , the words and figures "Schedule I or Schedule II" shall be substituted;

(b) in clause (15), after the words "wild animal", the words "or specified plant" shall be inserted;

(c) after clause (16), the following clause shall be inserted, namely:—

'(16A) "invasive alien species" means a species of animal or plant which is not native to India and whose introduction or spread may threaten or adversely impact wild life or its habitat;'

(d) in clause (18A), for the words and figures "Schedules I to V", the words and figures "Schedules I, II and IV" shall be substituted;

(e) in clause (19), for the words and figures "Schedules I to V and VI", the words and figures "Schedules I, II and III" shall be substituted;

(f) for clause (24), the following clause shall be substituted, namely:—

'(24) "person" shall include any firm or company or any authority or association or body of individuals whether incorporated or not;';

(g) after clause (26), the following clause shall be inserted, namely:—

'(26A) "Schedule" means a Schedule appended to this Act;'

(h) in clause (27), for the word and figures "Schedule VI", the word and figures "Schedule III" shall be substituted;

(i) for clause (34), the following clause shall be substituted, namely:—

'(34) "vermin" means any wild animal notified under section 62;'

(j) in clause (36), for the words and figures "Schedules I to IV", the words and figures "Schedule I or Schedule II" shall be substituted;

(k) for clause (39), the following clause shall be substituted, namely:—

'(39) "zoo" means an establishment whether stationary or mobile, where captive animals are kept for exhibiting to the public or ex-situ conservation and includes a circus and off-exhibit facilities such as rescue centres and conservation breeding centres, but does not include an establishment of a licensed dealer in captive animals.'.

4. In section 5A of the principal Act, in sub-section (1), for clause (d), the following clause shall be substituted, namely:—

"(d) Member, NITI Aayog in-charge of Environment, Forest and Climate Change;".

5. In section 5B of the principal Act, in sub-section (3), for the words "in proper discharge of functions assigned to it", the words "on such terms and conditions as may be prescribed for proper discharge of functions assigned to it under the Act" shall be substituted.

6. After section 6 of the principal Act, the following section shall be inserted, namely:—

"6A. (1) The Board may constitute a Standing Committee for the purpose of exercising such powers and performing such duties as may be delegated to it by the Board.

(2) The Standing Committee shall consist of the Vice-Chairperson, the Member-Secretary, and not more than ten members, to be nominated by the Vice-Chairperson, from amongst the members of the Board."
(3) The Board or its Standing Committee referred to in sub-section (1) may, constitute committees, sub-committees or study groups, as may be necessary, from time-to-time, for proper discharge of the functions assigned to it.”.

7. In section 9 of the principal Act, for the words and figures "Schedules I, II, III and IV", the words and figures "Schedules I and II" shall be substituted.

8. In section 11 of the principal Act, in sub-section (1), in clause (b), the words and figures ", Schedule III, or Schedule IV," shall be omitted.

9. In section 24 of the principal Act, in sub-section (2), in clause (b), for the words and figures "Land Acquisition Act, 1894", the words and figures "Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013" shall be substituted.

10. In section 25 of the principal Act, in sub-section (1),—

(a) in clause (a), for the words and figures "Land Acquisition Act, 1894", the words and figures "Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013" shall be substituted;

(b) in clauses (b) and (c), for the word and figure "section 9", the word and figures "section 21" shall be substituted;

(c) in clause (d), for the words and figures "section 18" and "Part III", the words and figures "section 64" and "Chapter VIII" shall respectively be substituted;

(d) in clause (e), for the words "the Court", the words "the Authority" shall be substituted;

(e) after clause (f), the following Explanation shall be inserted, namely:—

'Explanation.—The expression "Authority" referred to in clause (e), shall mean the Land Acquisition, Rehabilitation and Resettlement Authority established under section 51 of the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013.'.

11. In section 28 of the principal Act, in sub-section (1), in clause (b), after the word "photography", the words "and film-making without making any change in the habitat or causing any adverse impact to the habitat or wild life" shall be inserted.

12. In section 29 of the principal Act,—

(a) for the word "Board", the words "National Board" shall be substituted;

(b) for the Explanation, the following Explanation shall be substituted, namely:—

"Explanation.—For the purposes of this section, grazing or movement of livestock permitted under clause (d) of section 33, or hunting of wild animals under a permit granted under section 11 or hunting without violating the conditions of a permit granted under section 12, or the exercise of any rights permitted to continue under clause (c) of sub-section (2) of section 24, or the bona fide use of drinking and household water by local communities, shall not be deemed to be an act prohibited under this section.”.

13. In section 33 of the principal Act,—

(a) after the words "manage and maintain all sanctuaries", the words, brackets and figures "in accordance with such management plans for the sanctuary approved by him as per the guidelines issued by the Central Government and in case the sanctuary also falls under the Scheduled Areas or areas where the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 is applicable, in accordance with the management plan for such sanctuary prepared after due consultation with the Gram Sabha concerned" shall be inserted;
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(b) in clause (a), in the proviso, for the words "commercial tourist lodges", the words "tourist lodges, including Government lodges, for commercial purposes" shall be substituted.

14. In section 34 of the principal Act, after sub-section (3), the following sub-section shall be inserted, namely:

"(4) No renewal of any licence under the Arms Act, 1959, shall be granted to any person residing within ten kilometres of a sanctuary except under the intimation to the Chief Wild Life Warden or the authorised officer.".

15. In section 35 of the principal Act, in sub-section (8), for the words and figures "sections 27 and 28", the words, figures and letter "sections 18A, 27 and 28" shall be substituted.

16. In section 36D of the principal Act, in sub-section (2),—

(a) for the words "five representatives", the words "not less than five representatives" shall be substituted;

(b) after sub-section (2), the following sub-section shall be inserted, namely:

"(2A) Where a community reserve is declared on private land under sub-section (1) of section 36C, the community reserve management committee shall consist of the owner of the land, a representative of the State Forests or Wild Life Department under whose jurisdiction the community reserve is located and also the representative of the Panchayat concerned or the tribal community, as the case may be.".

17. In section 38 of the principal Act,—

(a) in the marginal heading, after the words "National Parks", the words "or conservation reserves" shall be inserted;

(b) after sub-section (2), the following sub-section shall be inserted, namely:

"(2A) The Central Government may, if it is satisfied that the conditions specified in sub-section (1) of section 36A are fulfilled in relation to any area referred to in sub-section (1), declare such area, by notification, to be a conservation reserve and the provisions of sections 36A and 36B shall apply in relation to such conservation reserve as they apply in relation to a conservation reserve declared by the State Government.";

(c) in sub-section (3),—

(i) after the words "or National Park", the words "or conservation reserve" shall be inserted;

(ii) for the words, brackets and figures "sub-sections (1) and (2)", the words, brackets, figures and letter "sub-sections (1), (2) and (2A)" shall be substituted.

18. In section 38L of the principal Act, in sub-section (2), in clause (o), for the words "Inspector General of Forests or an officer of the equivalent rank", the words "an officer not below the rank of Inspector General of Forests" shall be substituted.

19. After section 38X of the principal Act, the following section shall be inserted, namely:

“38XA. The provisions contained in this Chapter shall be in addition to, and not in derogation of, the provisions relating to sanctuaries and National Parks (whether included and declared, or are in the process of being so declared) included in a tiger reserve under this Act.”.
20. In Chapter IVC of the principal Act, in the heading, for the words "TIGER AND OTHER ENDANGERED SPECIES", the words "WILD LIFE" shall be substituted.

21. In section 38Y of the principal Act,—
   (a) in the marginal heading, for the words "Tiger and other Endangered Species", the words "Wild Life" shall be substituted;
   (b) in the opening portion, the words "Tiger and other Endangered Species Crime Control Bureau to be known as the" shall be omitted;
   (c) in clause (e), for the words "Central Excise", the words "Central Goods and Services Tax" shall be substituted.

22. In section 39 of the principal Act, after sub-section (3), the following sub-sections shall be inserted, namely:

   "(4) Where any such Government property is a live animal, the State Government shall ensure that it is housed and cared for by a recognised zoo or rescue centre where it can not be released to its natural habitat.
   
   (5) Any such animal article, trophy or uncured trophy or meat derived from any wild animal, as referred to in sub-sections (1) and (2) may be disposed of by the State Government or the Central Government, as the case may be, in such manner as may be prescribed by the Central Government:

   Provided that such disposal shall not include any commercial sale or auction and no certificate of ownership shall be issued for such disposal."

23. In section 40 of the principal Act, the words and figures "or Part II of Schedule II" wherever they occur shall be omitted.

24. In section 40A of the principal Act, in sub-section (1), the words and figures "or Part II of Schedule II" shall be omitted.

25. In section 41 of the principal Act, in sub-section (1), in clause (b), the words and figures "and Part II of Schedule II" shall be omitted.

26. After section 42 of the principal Act, the following section shall be inserted, namely:

   "42A. (1) Any person having a certificate of ownership in respect of any captive animal, animal article, trophy or uncured trophy, meat or ivory imported into India or an article made from such ivory, and who is not desirous of keeping it in his control, custody or possession may, after giving notice of seven working days to the Chief Wild Life Warden, surrender the same to him and any such certificate of ownership shall stand cancelled from the date of such surrender.
   
   (2) No compensation shall be payable to any person for surrender of any such animal, article, trophy, meat or ivory to the Chief Wild Life Warden under sub-section (1).
   
   (3) Any such animal, article, trophy, meat or ivory surrendered under this section shall become the property of the State Government and the provisions of section 39 shall apply."

27. In section 43 of the principal Act, after sub-section (3), the following sub-section shall be inserted, namely:

   "(4) This section shall not apply to the transfer or transport of any live elephant by a person having a certificate of ownership, where such person has obtained prior permission from the State Government on fulfilment of such conditions as may be prescribed by the Central Government."
Amendment of section 48. 28. In section 48 of the principal Act, in clause (b), in sub-clause (ii), the words and figures "or Part II of Schedule II" shall be omitted.

Amendment of section 49A. 29. In section 49A of the principal Act, the words and figures "or Part II of Schedule II" at both the places where they occur, shall be omitted.

Insertion of new Chapter VB. 30. After Chapter VA of the principal Act, the following Chapter shall be inserted, namely:

'CHAPTER VB

REGULATION OF INTERNATIONAL TRADE IN ENDANGERED SPECIES OF WILD FAUNA AND FLORA AS PER CONVENTION ON INTERNATIONAL TRADE IN ENDANGERED SPECIES OF WILD FAUNA AND FLORA

49D. In this Chapter, unless the context otherwise requires,—

(a) "artificially propagated" means plants which have been grown under controlled conditions from plant materials grown under similar conditions;

(b) "bred in captivity" means produced from parents in captivity;


(d) "export" means export from India to any other country of a specimen;

(e) "import" means import into India from any other country of a specimen;

(f) "introduction from the sea" means transportation into India of specimens of any species which were taken from the marine environment not under the jurisdiction of India or any other country;

(g) "Management Authority" means the Management Authority designated under section 49E;

(h) "plant" means any member, alive or dead, of the plants listed in Schedule IV including seeds, roots and other parts thereof;

(i) "readily recognisable part or derivative" includes any specimen which appears from an accompanying document, the packaging or a mark or label, or from any other circumstances, to be a part or derivative of an animal or plant of a species listed in Schedule IV;

(j) "re-export" means export of any specimen that has previously been imported;

(k) "Scientific Authority" means a Scientific Authority designated under section 49F;

(l) "scheduled specimen" means any specimen of a species listed in Appendices I, II or III of the Convention and incorporated as such in Schedule IV;

(m) "species" means any species, sub-species, or geographically separate population thereof;
(n) "specimen" means—

(i) any animal or plant, whether alive or dead;

(ii) in the case of an animal,—

(A) for species included in Appendices I and II of Schedule IV, any readily recognisable part or derivative thereof;

(B) for species included in Appendix III of Schedule IV, any readily recognisable part or derivative thereof specified in Appendix III of Schedule IV in relation to the species; and

(iii) in the case of a plant,—

(A) for species included in Appendix I of Schedule IV, any readily recognisable part or derivative thereof;

(B) for species included in Appendices II and III of Schedule IV, any readily recognisable part or derivative thereof specified in Appendices II and III of Schedule IV in relation to the species;

(o) "trade" means export, re-export, import and introduction from the sea.

49E. (1) The Central Government shall, by notification, designate an officer not below the rank of an Additional Director General of Forests as the Management Authority for discharging the functions and exercising the powers under this Act.

(2) The Management Authority shall be responsible for issuance of permits and certificates for trade of scheduled specimens in accordance with the Convention, submission of reports, and shall perform such other functions as may be necessary to implement the provisions of the Convention.

(3) The Management Authority shall prepare and submit annual and biennial reports to the Central Government.

(4) The Central Government may appoint such officers and employees as may be necessary to assist the Management Authority in discharging its functions or exercising its powers under this Chapter, on such terms and conditions of service including salaries and allowances as may be prescribed.

(5) The Management Authority may, with the prior approval of the Central Government, delegate its functions or powers, to such officers not below the rank of the Assistant Inspector General of Forests, as it may consider necessary for the purposes of this Chapter.

49F. (1) The Central Government shall, by notification, designate one or more institutes engaged in research on species as Scientific Authority for the purposes of this Chapter, for fulfilling the functions under the Convention.

(2) The designated Scientific Authority shall advise the Management Authority in such matters as may be referred to it by the Management Authority.

(3) The Scientific Authority shall monitor the export permits granted for specimens of species listed in Appendix II of Schedule IV and the actual export of such specimens.

(4) Whenever a Scientific Authority is of the opinion that the export of specimens of such species requires to be limited in order to maintain that species throughout its range at a level consistent with its role in the ecosystems in which it occurs and well above the level at which that species might become
eligible for inclusion in Appendix I of the Convention, it shall advise the Management Authority to take such appropriate measures to limit the grant of export permits for specimens of that species as the Scientific Authority may deem necessary for said purpose.

49G. The Management Authority and the Scientific Authorities, shall, while performing their duties and exercising powers under this Chapter, be subject to such general or special directions, as the Central Government may, from time to time, give.

49H. (1) No person shall engage in trade of scheduled specimens except as provided for under this Chapter.

(2) The Central Government shall prescribe the conditions and procedures by which the exemptions contained in Article VII of the Convention may be availed.

(3) Every person engaging in trade of a scheduled specimen shall report the details of the scheduled specimen and the transaction to the Management Authority or the officer authorised by it in such manner as may be prescribed.

(4) Every person engaging in trade of a scheduled specimen, shall present it for clearance to the Management Authority or the officer authorised by it or a customs officer only at the ports of exit and entry as may be specified by the Central Government.

49-I. (1) The export of any specimen of species included in Appendices I or II of Schedule IV shall require the prior grant and presentation of an export permit.

(2) The export of any specimen of species included in Appendix III of Schedule IV shall require the prior grant and presentation of an export permit if the species has been listed in Appendix III of the Convention by India or a certificate of origin in other cases.

(3) An export permit shall not be granted unless—

(a) the Management Authority is satisfied that the specimen concerned has not been obtained in contravention of any law for the time being in force relating to protection of fauna and flora;

(b) the Management Authority is satisfied that any living specimen will be so prepared and shipped as to minimise the risk of injury, damage to health or cruel treatment;

(c) in the case of a specimen of a species listed in Appendices I or II of Schedule IV, the Scientific Authority has advised that the export will not be detrimental to the survival of that species; and

(d) in the case of specimens of species listed in Appendix I of Schedule IV, an import permit has been granted by the competent authority of the country of destination.

49J. (1) The import of any specimen of a species included in Appendix I of Schedule IV shall require the prior grant and presentation of an import permit and either an export permit or a re-export certificate from the country of export.
(2) An import permit for a specimen of a species listed in Appendix I of Schedule IV shall not be granted unless—

(a) the Management Authority is satisfied that the specimen concerned will not be used for primarily commercial purposes;

(b) the Scientific Authority has advised that the import will be for purposes which are not detrimental to the survival of the species; and

(c) the Scientific Authority is satisfied that the proposed recipient of a living specimen is suitably equipped to house and care for it.

(3) The import of any specimen of a species included in Appendix II of Schedule IV shall require the prior presentation of either an export permit or a re-export certificate issued by the country of export.

(4) The import of any specimen of a species included in Appendix III of Schedule IV shall require the prior presentation of—

(a) a certificate of origin; or

(b) in the case where the import is from a country which has included the species in Appendix III of the Convention, an export permit; or

(c) a re-export certificate granted by the country of re-export.

49K. (1) The re-export of any specimen of species included in Appendices I or II of Schedule IV shall require the prior grant and presentation of a re-export certificate.

(2) A re-export certificate shall not be granted unless—

(a) the Management Authority is satisfied that any specimen to be re-exported was imported in accordance with the provisions of this Chapter and of the Convention;

(b) the Management Authority is satisfied that any living specimen will be so prepared and shipped as to minimise the risk of injury, damage to health or cruel treatment; and

(c) in the case of any living specimen of species listed in Appendix I of Schedule IV, the Management Authority is satisfied that an import permit has been granted.

49L. (1) The introduction from the sea of a specimen of a species included in Appendices I or II of Schedule IV shall require the prior grant and presentation of a certificate of introduction from the sea.

(2) A certificate of introduction from the sea shall not be granted unless—

(a) the Scientific Authority has advised that the introduction of any specimen will not be detrimental to the survival of the species;

(b) in the case of a specimen of a species listed in Appendix I of Schedule IV, the Management Authority is satisfied that it is not to be used for primarily commercial purposes and that the proposed recipient of any living specimen is suitably equipped to house and care for it; and

(c) in the case of a living specimen of a species listed in Appendix II
of Schedule IV, the Management Authority is satisfied that it will be so handled as to minimise the risk of injury, damage to health or cruel treatment.

49M. (1) Every person possessing a living specimen of an animal species listed in Schedule IV shall report the details of such specimen or specimens in his possession to the Management Authority or the authorised officer:

Provided that the Central Government may exempt one or more specimens of any animal species included in Schedule IV from such declaration for such quantity and for such period as it may deem fit.

(2) The Management Authority or the authorised officer may, on being satisfied that a person was in possession of a living specimen of an animal species listed in Schedule IV which had not been obtained in contravention of any law relating to protection of fauna and flora, issue a registration certificate allowing the owner to retain such specimen.

(3) Any person who transfers possession, by any means whatsoever, of any living specimen of an animal species listed in Schedule IV shall report the details to the Management Authority or the authorised officer.

(4) The Management Authority or the authorised officer shall register all transfers of living specimens of animal species listed in Schedule IV and issue the transferee with a registration certificate.

(5) Any person in possession of any living specimen of an animal species listed in Schedule IV which bears any offspring shall report the birth of such offspring to the Management Authority or the authorised officer.

(6) The Management Authority or the authorised officer shall on receipt of the report under sub-section (5) register any offspring born to any living specimen of an animal species listed in Schedule IV and issue the owner with a registration certificate.

(7) Any person in possession of any living specimen of an animal species listed in Schedule IV which dies shall report such death to the Management Authority or the authorised officer.

(8) No person shall possess, transfer or breed any living specimen of any animal species listed in Schedule IV except in conformity with this section and the rules made by the Central Government in this behalf.

(9) The form, manner and period for reporting possession, transfers, and births, deaths, and registration of the same under this section shall be as prescribed by the Central Government.

49N. (1) Every person who is engaged in breeding in captivity or artificially propagating any scheduled specimen listed in Appendix I of Schedule IV shall make, within a period of ninety days of the commencement of the Wild Life (Protection) Amendment Act, 2021, an application for registration to the Chief Wild Life Warden.

(2) The form and manner of the application to be made to the Chief Wild Life Warden under sub-section (1), the fee payable, the form of certificate of registration, the procedure to be followed in granting or cancelling the certificate of registration shall be such as may be prescribed by the Central Government.
49-O. (1) On receipt of application under sub-section (1) of section 49N, the Chief Wild Life Warden shall, if—

(a) the application is in the prescribed form;

(b) the resolutions of the Convention relating to breeding in captivity or artificial propagation of species listed in Appendix I of Schedule IV are satisfied; and

(c) the provisions of the Act and rules made thereunder have been duly complied with,

record an entry of the statement in a register and grant the applicant a certificate of registration.

(2) The Chief Wild Life Warden shall, if the provisions or resolutions of the Convention or this Act and any rules made hereunder have not been complied with, or if a false particular is furnished, refuse or cancel the registration as the case may be after providing the applicant with an opportunity of being heard.

(3) The certificate of registration under sub-section (1) shall be issued for a period of two years and may be renewed after two years on payment of such fee as may be prescribed.

(4) Any person aggrieved by the refusal of the Chief Wild Life Warden or cancellation of registration under sub-section (2) may prefer an appeal to the State Government within a period of sixty days in such manner as may be prescribed.

49P. No person shall alter, deface, erase or remove a mark of identification affixed upon the scheduled specimen or its package.

49Q. (1) Every species or scheduled specimen, in respect of which any offence against this Act or rules made thereunder has been committed, shall become the property of the Central Government and the provisions of section 39 shall, without prejudice to the Customs Act, 1962, apply, mutatis mutandis, in relation to species and scheduled specimens as they apply in relation to wild animals, captive animals and animal articles.

(2) Where a living specimen of a species listed in Schedule IV has been seized under this Act or the Customs Act, 1962 or any other law for the time being in force as a result of import into India in contravention of this Act, the Management Authority shall, after consultation with the country of export, return the specimen to that country at the expense of that country, or ensure that it is housed and cared for by a recognised zoo or rescue centre in case it cannot be returned to the country of export.

(3) The Management Authority may for such purposes consult the Scientific Authority as it deems appropriate.

49R. Where the same species is listed in Schedule I or II and Schedule IV, then, the provisions of this Act applicable to such species listed in Schedule I or II and the rules made thereunder shall apply.
31. In section 50 of the principal Act, in sub-section (1),—

(i) after the words "the Director or any other officer authorised by him in this behalf”, the words "or the Management Authority or any officer authorised by the Management Authority” shall be inserted;

(ii) after the words "a sub-inspector", the words "or any customs officer not below the rank of an inspector or any officer of the coast guard not below the rank of an Assistant Commandant” shall be inserted;

(iii) in clauses (a) and (c), after the words "derivative thereof “, the words "or scheduled specimen” shall be inserted.

32. In section 51 of the principal Act,—

(a) in sub-section (1),—

(i) for the words "twenty-five thousand rupees", the words "one lakh rupees” shall be substituted;

(ii) in the first proviso,—

(A) the words and figures "or Part II of Schedule II” shall be omitted;

(B) after the words "boundaries of a sanctuary or National Park”, the words and figures "or where the offence relates to a specimen of a species listed on Appendix I of Schedule IV” shall be inserted;

(C) for the words "ten thousand rupees”, the words "twenty-five thousand rupees” shall be substituted;

(iii) in the second proviso, for the words "twenty-five thousand rupees", the words "one lakh rupees” shall be substituted;

(b) in sub-section (1A), for the words "ten thousand rupees”, the words "twenty-five thousand rupees” shall be substituted.

33. In section 51A of the principal Act, the words and figures "or Part II of Schedule II” shall be omitted.

34. In the section 54 of the principal Act, in sub-section (4), for the words "twenty-five thousand rupees”, the words "five lakh rupees” shall be substituted.

35. In section 55 of the principal Act, after clause (ac), the following clause shall be inserted, namely:—

"(ad) the Management Authority or any officer, including an officer of the Wild Life Crime Control Bureau, authorised in this behalf by the Central Government; or”.

36. In section 57 of the principal Act, after the words "derivate thereof” at both the places where they occur, the words "or Scheduled specimen” shall be inserted.

37. In section 61 of the principal Act, for the word "add”, the words "amend any Schedule or add” shall be substituted.

38. In section 62 of the principal Act,—

(a) the words and figures "and Part II of Schedule II” shall be omitted;

(b) the words and figure “and so long as such notification is in force, such wild animals shall be deemed to have been included in Schedule V” shall be omitted.
39. After section 62 of the principal Act, the following sections shall be inserted, namely:—

"62A. (1) The Central Government may, by notification, regulate or prohibit the import, trade, possession or proliferation of invasive alien species which pose a threat to the wild life or habitat in India.

(2) The Central Government may authorise the Director or any other officer to seize and dispose of, including through destruction, the species referred to in the notification issued under sub-section (1).

62B. Notwithstanding any other provision of this Act, the Central Government may call for any information or report from a State Government or any such other agency or body or issue any direction to a State Government or any such other agency or body for effective implementation of the provisions of the Act for the protection, conservation and management of wild life in the country.”.

40. In section 63 of the principal Act, in sub-section (1),—

(a) after clause (ai), the following clause shall be inserted, namely:—

"(aii) terms and conditions of the committee, sub-committees or study groups under sub-section (3) of section 5B;”;

(b) after clause (gvi), the following clauses shall be inserted, namely:—

"(gvi) the manner of disposal of Government property under sub-section (5) of section 39;

(gviii) the conditions for transfer or transport of live alaphant under sub-section (4) of section 43;”;

(c) after clause (j), the following clauses shall be inserted, namely:—

"(ji) the terms and conditions of service including salaries and allowances for appointment of the officers and employees of the Management Authority under sub-section (4) of section 49E;

(jii) the conditions and procedures subject to which any exemption provided for in Article VII of the Convention may be availed under sub-section (2) of section 49H;

(jiii) the reporting of details of scheduled specimens and the transaction as per sub-section (3) of section 49H;

(jiv) the matters provided for in sub-sections (8) and (9) of section 49M;

(jv) the form and manner of the application, the fee payable, the form of certificate of registration, and the procedure to be followed in granting or cancelling a certificate of registration as per sub-section (2) of section 49N;

(jvi) the fee payable for renewal of certificates of registration as per sub-section (3), and manner of making appeal under sub-section (4), of section 49-O;

(jvii) any other matter for proper implementation of the Convention as may be required under Chapter VB;”.

41. For Schedules I, II, III, IV, V and VI to the principal Act, the following Schedules shall be substituted, namely:—

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<tr>
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<tbody>
<tr>
<td>Amendment of Schedules.</td>
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</table>
‘SCHEDULE I
(See sections 9, 11, 12, 38-I, 39, 40, 40A, 41, 42, 42A, 43, 48, 48A, 50, 51, 51A, 57 and Chapter V-A)

**PART A: MAMMALS**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Asiatic Elephant</td>
<td>Elephas maximus</td>
</tr>
<tr>
<td>2.</td>
<td>Tiger</td>
<td>Panthera tigris</td>
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<tr>
<td>3.</td>
<td>Asiatic Lion</td>
<td>Panthera leo persica</td>
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<tr>
<td>4.</td>
<td>Snow Leopard</td>
<td>Uncia uncia</td>
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<td>5.</td>
<td>Clouded Leopard</td>
<td>Neofelis nebulaosa</td>
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<td>6.</td>
<td>Leopard</td>
<td>Panthera pards</td>
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<tr>
<td>7.</td>
<td>Cheetah</td>
<td>Acinonyx jubatus</td>
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<tr>
<td>8.</td>
<td>Desert Cat</td>
<td>Felis silvestris</td>
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<tr>
<td>9.</td>
<td>Leopard Cat</td>
<td>Prionailurus bengalensis</td>
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<tr>
<td>10.</td>
<td>Fishing Cat</td>
<td>Prionailurus viverrinus</td>
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<tr>
<td>11.</td>
<td>Asiatic Golden Cat</td>
<td>Catopumatemminckii</td>
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<td>12.</td>
<td>Marbled Cat</td>
<td>Pardofelis marmorata</td>
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<td>13.</td>
<td>Pallas's Cat</td>
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<td>14.</td>
<td>Rusty Spotted Cat</td>
<td>Prionailurus rubiginosus</td>
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<td>15.</td>
<td>Caracal</td>
<td>Caracal caracal</td>
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<td>16.</td>
<td>Eurasian Lynx</td>
<td>Lynx lynx</td>
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<td>17.</td>
<td>Indian/Greater One-horned Rhinoceros</td>
<td>Rhinoceros unicornis</td>
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<td>18.</td>
<td>Red Panda</td>
<td>Ailurus fulgens</td>
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<td>19.</td>
<td>Binturong</td>
<td>Arctictis binturong</td>
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<td>20.</td>
<td>Indian Muntjac/Barking deer</td>
<td>Muntiacus muntjac</td>
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<td>21.</td>
<td>Alpine Musk Deer</td>
<td>Moschus chrysogaster</td>
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<td>22.</td>
<td>Hog Deer</td>
<td>Axis porcinus</td>
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<td>23.</td>
<td>Indian Chevrotain/Mouse Deer</td>
<td>Moschiola indica</td>
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<td>24.</td>
<td>Manipur Brow-antlered Deer/Thamin</td>
<td>Rucervus seloidelii</td>
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<td>25.</td>
<td>Northern Swamp Deer</td>
<td>Rucervus duvauceliiduvaucelii</td>
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<td>26.</td>
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<td>Rucervus duvauceliibranderi</td>
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<td>Rucervus duvauceliiranjitsinhi</td>
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<td>28.</td>
<td>Kashmir Stag</td>
<td>Cervus elaphus hanglu</td>
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<td>29.</td>
<td>Blackbuck</td>
<td>Antilope cervicapra</td>
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<td>30.</td>
<td>Chinkara/Indian Gazelle</td>
<td>Gazella bennettii</td>
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<td>Tibetan Gazelle</td>
<td>Procaprapicticaudata</td>
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<td>Four-horned Antelope</td>
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<td>Tibetan Antelope</td>
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<td>Asiatic Black Bear</td>
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<td>Brown Bear</td>
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<td>Sloth Bear</td>
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<td>38.</td>
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<td>Hoolock hoolock</td>
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<td>39.</td>
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<td>Hoolock leuconedys</td>
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<td>40.</td>
<td>Gray Slender Loris</td>
<td>Loris lydekkerianus</td>
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<td>No.</td>
<td>Species Name</td>
<td>Common Name</td>
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<tr>
<td>41</td>
<td>Bengal Slow Loris</td>
<td>Nycticebus bengalensis</td>
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<tr>
<td>42</td>
<td>Capped Langur</td>
<td>Trachypithecus pileatus</td>
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<td>43</td>
<td>Gee's Golden Langur</td>
<td>Trachypithecus geei</td>
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<td>44</td>
<td>Nilgiri Langur</td>
<td>Trachypithecus johnii</td>
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<td>45</td>
<td>Lion-Tailed Macaque</td>
<td>Macaca silenus</td>
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<td>46</td>
<td>Crab-eating Macaque</td>
<td>Macaca fascicularis umbrosus</td>
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<td>47</td>
<td>Northern Pig-tailed Macaque</td>
<td>Macaca leonina</td>
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<td>48</td>
<td>Stump-tailed macaque</td>
<td>Macaca arctoides</td>
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<td>49</td>
<td>Phayre's Leaf Monkey</td>
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<td>50</td>
<td>Indian Pangolin</td>
<td>Manis crassicaudata</td>
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<td>Chinese Pangolin</td>
<td>Manis pentadactyla</td>
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<td>52</td>
<td>Desert Fox</td>
<td>Vulpes vulpespusilla</td>
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<td>53</td>
<td>Himalayan Red Fox</td>
<td>Vulpes vulpesmontana</td>
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<tr>
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92. Indian Giant Flying Squirrel  
93. Malabar/Indian Giant Squirrel  
94. Malayan Giant Squirrel  
95. Grizzled Giant Squirrel  
96. Travancore Flying Squirrel  
97. Wroughton’s Free tailed Bat  
98. Salim Ali’s Fruit Bat  
99. Dugong/Sea Cow  
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101. Long-beaked Common Dolphin  
102. Short-beaked Saddleback Dolphin  
103. Irrawaddy Dolphin  
104. Risso’s Dolphin  
105. Fraser’s Dolphin  
106. Indo-Pacific hump-back Dolphin  
107. Pantropical Spotted Dolphin  
108. Striped Dolphin  
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111. Indo-Pacific Bottlenose Dolphin  
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113. Sei Whale  
114. Bryde’s Whale  
115. Blue Whale  
116. Fin Whale  
117. Humpback Whale  
118. Pygmy Killer Whale  
119. Short-finned Pilot Whale  
120. Killer Whale  
121. Melon-headed Whale  
122. False Killer Whale  
123. Sperm Whale/Cachalot  
124. Pygmy Sperm Whale  
125. Dwarf Sperm Whale  
126. Blainville’s Beaked Whale  
127. Ginkgo-toothed Beaked Whale  
128. Cuvier’s Beaked Whale  
129. Finless Porpoise  
130. Red Fox  
131. Malabar Large-spotted Civet

PART B: BIRDS

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**PART C: REPTILES**

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<td>Tokay Gecko</td>
<td>Gekko gecko</td>
</tr>
<tr>
<td>9.</td>
<td>Indian Chamaeleon</td>
<td>Chamaeleozeylanicus</td>
</tr>
<tr>
<td>10.</td>
<td>Saltwater Crocodile</td>
<td>Crocodylusporosus</td>
</tr>
<tr>
<td>11.</td>
<td>Mugger/Marsh</td>
<td>Crocodyle Crocodylus palustris</td>
</tr>
<tr>
<td>12.</td>
<td>Gharial</td>
<td>Gavialis gangeticus</td>
</tr>
<tr>
<td>13.</td>
<td>Asiatic softshell Turtle</td>
<td>Amydacetilaginea</td>
</tr>
<tr>
<td>14.</td>
<td>Northern River Terrapin</td>
<td>Batagurbaska</td>
</tr>
<tr>
<td>15.</td>
<td>Three-striped roofed Turtle</td>
<td>Batagur dhongoka</td>
</tr>
<tr>
<td>16.</td>
<td>Red crowned roofed Turtle</td>
<td>Batagur kachuga</td>
</tr>
<tr>
<td>17.</td>
<td>Spotted pond Turtle</td>
<td>Geoclemys hamiltonii</td>
</tr>
<tr>
<td>18.</td>
<td>Crowned river Turtle</td>
<td>Hardellathurjii</td>
</tr>
<tr>
<td>19.</td>
<td>Tricarinate hill Turtle</td>
<td>Melanochelestricarinata</td>
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<tr>
<td>20.</td>
<td>Indian Softshell Turtle</td>
<td>Nilssonia gangetica</td>
</tr>
<tr>
<td>21.</td>
<td>Leith's softshell Turtle</td>
<td>Nilssonia leithi</td>
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<tr>
<td>22.</td>
<td>Black softshell Turtle</td>
<td>Nilssonia nigricans</td>
</tr>
<tr>
<td>23.</td>
<td>Asian Giant Soft-shell Turtle</td>
<td>Pelochelys cantorii</td>
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<tr>
<td>24.</td>
<td>Green Sea Turtle</td>
<td>Chelonia mydas</td>
</tr>
<tr>
<td>25.</td>
<td>Hawksbill Turtle</td>
<td>Eretmochelys imbricata</td>
</tr>
<tr>
<td>26.</td>
<td>Cochin Forest Cane Turtle</td>
<td>Vijayachelyssilvatica</td>
</tr>
<tr>
<td>27.</td>
<td>Leather Back Turtle</td>
<td>Dermochelys coriacea</td>
</tr>
<tr>
<td>28.</td>
<td>Olive Ridley Sea Turtle</td>
<td>Lepidochelys olivacea</td>
</tr>
<tr>
<td>29.</td>
<td>Peacock Soft-shell Turtle</td>
<td>Nilssonia hurum</td>
</tr>
<tr>
<td>30.</td>
<td>Keeled box Turtle</td>
<td>Cuoramouhottii</td>
</tr>
<tr>
<td>31.</td>
<td>Asian giant Tortoise</td>
<td>Manouria emys</td>
</tr>
<tr>
<td>32.</td>
<td>Indian Star Tortoise</td>
<td>Geochelone elegans</td>
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</tbody>
</table>
### PART D: AMPHIBIANS

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Himalayan Salamander</td>
<td>Tylototriton verrucosus</td>
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</table>

### PART E: FISHES

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Whale shark</td>
<td>Rhincodon typus</td>
</tr>
<tr>
<td>2.</td>
<td>Knifetooth sawfish</td>
<td>Anoxypristis spp.</td>
</tr>
<tr>
<td>3.</td>
<td>Long nosed shark/Pondicherry shark</td>
<td>Carcharhinus hemiodon</td>
</tr>
<tr>
<td>4.</td>
<td>Gangetic shark</td>
<td>Glyphis gangeticus</td>
</tr>
<tr>
<td>5.</td>
<td>Freshwater sawfish</td>
<td>Pristis pristis</td>
</tr>
<tr>
<td>6.</td>
<td>Green sawfish</td>
<td>Pristis ridens</td>
</tr>
<tr>
<td>7.</td>
<td>Giant guitarfish</td>
<td>Rhynchobatus djiddensis</td>
</tr>
<tr>
<td>8.</td>
<td>Porcupine ray</td>
<td>Urogymnus asperrimus</td>
</tr>
<tr>
<td>9.</td>
<td>Ganges Stingray</td>
<td>Himantura flaviatilis</td>
</tr>
<tr>
<td>10.</td>
<td>Denison barb</td>
<td>Puntius denisonii</td>
</tr>
<tr>
<td>11.</td>
<td>Assamese Kingfish</td>
<td>Semiplotus semiplotus</td>
</tr>
<tr>
<td>12.</td>
<td>Giant grouper</td>
<td>Epinephelus lanceolatus</td>
</tr>
<tr>
<td>13.</td>
<td>Manipur osteobrama</td>
<td>Osteobrama belangeris</td>
</tr>
<tr>
<td>14.</td>
<td>Pipe fish</td>
<td>Chorioichthys sculptus</td>
</tr>
<tr>
<td>15.</td>
<td>Pipe fish</td>
<td>Corythoichthys amplexus</td>
</tr>
<tr>
<td>16.</td>
<td>Pipe fish</td>
<td>Corythoichthys haematopterus</td>
</tr>
<tr>
<td>17.</td>
<td>Pipe fish</td>
<td>Corythoichthys intestinalis</td>
</tr>
<tr>
<td>18.</td>
<td>Pipe fish</td>
<td>Corythoichthys ocellatus</td>
</tr>
<tr>
<td>19.</td>
<td>Pipe fish</td>
<td>Corythoichthys shultzzi</td>
</tr>
<tr>
<td>20.</td>
<td>Pipe fish</td>
<td>Doryphus dactyliophorus</td>
</tr>
<tr>
<td>21.</td>
<td>Pipe fish</td>
<td>Halicampus macrorhynchos</td>
</tr>
<tr>
<td>22.</td>
<td>Pipe fish</td>
<td>Halicampus mactaefe</td>
</tr>
<tr>
<td>23.</td>
<td>Pipe fish</td>
<td>Syngnathoides biaculeatus</td>
</tr>
<tr>
<td>24.</td>
<td>Sea horse</td>
<td>Hippocampus histrix</td>
</tr>
<tr>
<td>25.</td>
<td>Sea horse</td>
<td>Hippocampus kuda</td>
</tr>
<tr>
<td>26.</td>
<td>Sea horse</td>
<td>Hippocampus trimaculatus</td>
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</tbody>
</table>

### PART F: INSECTS

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Kaiser-i-Hind</td>
<td>Teinopalpus imperialis</td>
</tr>
<tr>
<td>2.</td>
<td>Varnished Apollo Butterfly</td>
<td>Parnassius acco</td>
</tr>
<tr>
<td>3.</td>
<td>Banded Apollo Butterfly</td>
<td>Parnassius delphius</td>
</tr>
<tr>
<td>4.</td>
<td>Hannyngton Apollo Butterfly</td>
<td>Parnassius shannyngtoni</td>
</tr>
</tbody>
</table>
5. Imperial Apollo Butterfly
Parnassius imperator
6. Ladakh Banded Apollo Butterfly
Parnassius stoliczkanus
7. Bhutan Glory Butterfly
Bhutanitis fidderdalei
8. Common Clubtail Butterfly
Atrophaneura coon
9. Black Windmill Butterfly
Atrophaneura crassipes
10. Nevill’s Windmill Butterfly
Atrophaneura nevilli
11. Pemberton’s Chinese Windmill Butterfly
Atrophaneura pimplutioniuspembertoni
12. De Niceville’s Windmill Butterfly
Atrophaneura pallicola
13. Common Mime Butterfly
Chilasa clytia
14. Yellow-crested Spangle Butterfly
Papilio elephenor
15. Malabar Banded Swallowtail Butterfly
Papilio liomedon
16. Shaw’s Dwarf Butterfly
Baltia shawii sikima
17. Pale Jezebel Butterfly
Delias sanaca
18. Green Banded White Butterfly
Pieris krupeperdevta
19. Lemon Clouded Yellow Butterfly
Colias coccodacanthrasibilus
20. Dwarf Clouded Yellow Butterfly
Colias stoliczkanadubia
21. Spotted Black Crow Butterfly
Euploea acrimerinicevilei
22. Andaman Treebrown Butterfly
Euploea aperyoca
23. Scarce Blue Tiger Butterfly
Tellervo autamagautamoides
24. Scarce Catseye Butterfly
Coelites nothis
25. Peal’s Palmfly Butterfly
Elymnias pealii
26. Pointed Palmfly Butterfly
Elymnias penangana
27. Scarce Red Forester Butterfly
Lethe distans
28. Scarce Lilacfork Butterfly
Lethe dura
29. Bamboo Treebrown Butterfly
Lethe europa
30. Tytler’s Treebrown Butterfly
Lethe gemina
31. Bhutan Treebrown Butterfly
Lethe margaritae
32. Dismal Mystic Butterfly
Lethe ocellata
33. Single Silverstripe Butterfly
Lethe ramadeva
34. Pallid Forester Butterfly
Lethe satyavati
35. Dark Wall Butterfly
Parargemaera
36. Great Fivering Butterfly
Ypthima dorthi
37. Banded Duffer Butterfly
Discophora deo deo
38. Freak Butterfly
Calinaga buddha
39. Whitespot Fritilliary Butterfly
Clossiana erubescens haberhaueri
40. Bhutan Sergeant Butterfly
Pantoporia jinajina
41. Grey Commodore Butterfly
Limenitis austen parpurascens
42. Grand Duke Butterfly
Euthalia aiva
43. Naga Duke Butterfly
Euthaliakhamacurvispina
44. Tawny Emperor Butterfly
Chitoria alupiulupi
45. Branded Yeoman Butterfly
Cirrochroa fasciata
46. Scarce Siren Butterfly
Hestinanicevilei
47. Golden Emperor Butterfly
Dilipamorgiana
48. Autumn Leaf Butterfly
Doleschallia bisaltide andamanensis
49. Tytler’s Emperor Butterfly
Eulaceuramanipurensis
50. Blue Duke Butterfly
Euthaliadurgia splendid
51. Blue Baron Butterfly
Euthaliatelchinia
52. White Emperor Butterfly
Helcyrhemina
53. Empress Butterfly  Sasakia funebris
54. Eastern Courtier Butterfly  Sephisachandra
55. Scarce White Comodore Butterfly  Limenitis zulema
56. Scarce Jester Butterfly  Symbrenthiasilana
57. Chestnut Rajah Butterfly  Charaxes durnofordinicholii
58. Malayan Nawab Butterfly  Polyura moori sandakanus
59. Blue Nawab Butterfly  Polyuraschreiberi
60. Blue Begum Butterfly  Prothoefranck regalis
61. Chinese Hairstreak Butterfly  Amblopalaavidiena
62. Cachar Mandarin Blue Butterfly  Charanacepheis
63. Blue Posy Butterfly  Myrinacyara

PART G : CRABS

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Common Name</th>
<th>Scientific Name</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Indo-Pacific Horseshoe Crab</td>
<td>Tachypleus gigas</td>
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<td>2.</td>
<td>Mangrove Horseshoe Crab</td>
<td>Carcinoscorpius rotundicauda</td>
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<tr>
<td>3.</td>
<td>Coconut or Robber Crab</td>
<td>Birgus latro</td>
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</table>

PART H : CORALS

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Scientific Name</th>
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<tbody>
<tr>
<td>1.</td>
<td>Acropora abrotanoides</td>
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<td>Acropora anthocersis</td>
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<td>3.</td>
<td>Acropora aspera</td>
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<tr>
<td>4.</td>
<td>Acropora austera</td>
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<tr>
<td>5.</td>
<td>Acropora awi</td>
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<td>6.</td>
<td>Acropora brueggemannii</td>
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<td>Acropora carduus</td>
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<td>8.</td>
<td>Acropora caroloniana</td>
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<td>Acropora cerealis</td>
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<td>Acropora chesterfieldensis</td>
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<td>11.</td>
<td>Acropora clathrata</td>
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<td>12.</td>
<td>Acropora cophodactyla</td>
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<td>Acropora copiosa</td>
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<tr>
<td>14.</td>
<td>Acropora cytherea</td>
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<td>15.</td>
<td>Acropora desatwii</td>
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<td>16.</td>
<td>Acropora digitifera</td>
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<td>17.</td>
<td>Acropora divaricata</td>
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<td>18.</td>
<td>Acropora efforescens</td>
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<td>19.</td>
<td>Acropora fastigata</td>
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<td>Acropora florida</td>
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<td>21.</td>
<td>Acropora formosa</td>
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<td>22.</td>
<td>Acropora forskali</td>
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<td>23.</td>
<td>Acropora gemmifera</td>
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<td>24.</td>
<td>Acropora glauca</td>
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<td>25.</td>
<td>Acropora globiceps</td>
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<td>Acropora grandis</td>
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<td>28.</td>
<td>Acropora granulosa</td>
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<td>29.</td>
<td>Acropora haimei</td>
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30. Acropora hemprichii
31. Acropora horrida
32. Acropora humilis
33. Acropora hyacinthus
34. Acropora inermis
35. Acropora insignis
36. Acropora kimbeensis
37. Acropora latistella
38. Acropora longicyathus
39. Acropora loripes
40. Acropora lutkeni
41. Acropora massawensis
42. Acropora microclados
43. Acropora microphthalmalma
44. Acropora millepora
45. Acropora mirabilis
46. Acropora monticulosa
47. Acropora multiacuta
48. Acropora nana
49. Acropora nasuta
50. Acropora natalensis
51. Acropora nobilis
52. Acropora ocellata
53. Acropora palifera
54. Acropora palmerae
55. Acropora papillare
56. Acropora pharaonis
57. Acropora plantaginnea
58. Acropora polystoma
59. Acropora pulchra
60. Acropora robusta
61. Acropora roseni
62. Acropora rudis
63. Acropora samoensis
64. Acropora schmitti
65. Acropora secale
66. Acropora selago
67. Acropora solitaryensis
68. Acropora spicifera
69. Acropora squarrosa
70. Acropora striata
71. Acropora subglabrum
72. Acropora subulata
73. Acropora tanegashimensis
74. Acropora tenuis
75. Acropora teres
76. Acropora torresiana
77. Acropora tutuilensis
78. Acropora valenciennesi
79. Acropora valida
80. Acropora variolosa
81. Acropora vaughani
82. Acropora verweyi
83. Acropora wallaceae
84. Acropora yongei
85. Astreopora cucullata
86. Astreopora gracilis
87. Astreopora listeri
88. Astreopora myriophthalma
89. Astreopora suggesta
90. Montipora aquisuberculata
91. Montipora caliculata
92. Montipora capitata
93. Montipora cebuensis
94. Montipora adananae
95. Montipora delicaulata
96. Montipora digitata
97. Montipora foliosa
98. Montipora grisea
99. Montipora hemispherae
100. Montipora hispida
101. Montipora informis
102. Montipora meandrina
103. Montipora mollis
104. Montipora monasteriata
105. Montipora peltiformis
106. Montipora tuberculosa
107. Montipora turgescens
108. Montipora venosa
109. Montipora verrillii
110. Montipora verrucosa
111. Montipora verruculosus
112. Montipora vietnamensis
113. Gardineroseris planulata
114. Leptoseris cucullata
115. Leptoseris explanata
116. Leptoseris hawaiensis
117. Leptoseris incrustans
118. Leptoseris mycetoseoides
119. Leptoseris papyracea
120. Leptoseris scabra
121. Pachyseris gemmae
122. Pachyseris foliosa
123. Pachyseris rugosa
124. Pachyseris speciosa
125. Pavona bipartite
126. Pavona cactus
127. Pavona clavus
128. Pavona decussata
129. Pavona dauerdeni
130. Pavona explanulata
131. Pavona gigantea
132. Pavona minuta
133. Pavona varians
134. Pavona venosa
135. Madracis kirbyi
136. Styloceniella armata
137. Styloceniella guentheri
138. Dendrophyllia robusta
139. Tubastrea coccinea
140. Tubastrea diaphana
141. Tubastrea micranthus
142. Turbinaria mesenterina
143. Turbinaria peltata
144. Turbinaria reniformis
145. Turbinaria stellulata
146. Euphyllia ancora
147. Euphyllia divisa
148. Euphyllia glabrescens
149. Physogyra lichtensteini
150. Pleurogyra sinulosa
151. Barabattoia amicorum
152. Barabattoia laddi
153. Cyphastrea japonica
154. Cyphastrea microphthalma
155. Cyphastrea ocellina
156. Cyphastrea serailia
157. Diploastrea heliopora
158. Diploria strigosa
159. Echinopora fruticulosa
160. Echinopora gemmacea
161. Echinopora horrida
162. Echinopora lamellosa
163. Favia albidus
164. Favia favus
165. Favia helianthoides
166. Favia lacuna
167. Favia матхайи
168. Favia danae
169. Favia maxima
170. Favia lizardensis
26

171. *Favia pallida*
172. *Favia speciosa*
173. *Favia stelligera*
174. *Favia truncatus*
175. *Favites abdita*
176. *Favites acuticollis*
177. *Favites chinensis*
178. *Favites complanata*
179. *Favites flexuosa*
180. *Favites halicora*
181. *Favites micropentagona*
182. *Favites spinosa*
183. *Favites pentagona*
184. *Favites vasta*
185. *Goniastrea aspera*
186. *Goniastrea australensis*
187. *Goniastrea edwardsi*
188. *Goniastrea minuta*
189. *Goniastrea peresi*
190. *Goniastrea pectinata*
191. *Goniastrea retiformis*
192. *Leptoria irregularis*
193. *Leptoria phrygia*
194. *Leptastrea purpurea*
195. *Leptastrea transversa*
196. *Montastrea annuligera*
197. *Montastrea colemani*
198. *Montastrea curta*
199. *Montastrea valenciennesi*
200. *Oulophyllia bennetiae*
201. *Oulophyllia crispa*
202. *Oulophyllia levis*
203. *Oulastrea crispata*
204. *Platgyra acuta*
205. *Platgyra daedalea*
206. *Platgyra lamellina*
207. *Platgyra verweyi*
208. *Platgyra pini*
209. *Platgyra sinensis*
210. *Cycloseris costulata*
211. *Cycloseris cyclolites*
212. *Cycloseris hexagonalis*
213. *Cycloseris patelliformis*
214. *Cycloseris sinensis*
215. *Cycloseris somervillei*
216. *Ctenactis crassa*
217. *Ctenactis albitentaculata*
218. Ctenactis echinata
219. Diaseris distorta
220. Fungia concinna
221. Fungia corona
222. Fungia danai
223. Fungia fralinae
224. Fungia fungites
225. Fungia granulosa
226. Fungia horrida
227. Fungia klunzingeri
228. Fungia moluccensis
229. Fungia paumotensis
230. Fungia repanda
231. Fungia scutaria
232. Fungia scruposa
233. Fungia scabra
234. Fungia seychellensis
235. Fungia taiwanensis
236. Halomitra pileus
237. Herpolitha limax
238. Herpolitha weberi
239. Lithophyllon lobata
240. Lithophyllon undulatum
241. Podabacia crustacea
242. Podabacia lanakensis
243. Polyphyllia talpina
244. Sandalolitha robusta
245. Hydnophora exesa
246. Hydnophora grandis
247. Hydnophora microconos
248. Hydnophora pilosa
249. Hydnophora rigida
250. Merulina ampliata
251. Merulina scabricula
252. Scapophyllia cylindrica
253. Acanthastrea echinata
254. Acanthastrea hemprichii
255. Acanthastrea hillae
256. Acanthastrea ishigakiensis
257. Cynarina lacrymalis
258. Lobophyllia corymbosa
259. Lobophyllia hemprichii
260. Lobophyllia robusta
261. Symphyllia agaricia
262. Symphyllia radians
263. Symphyllia recta
264. Symphyllia valenciennesii
265. Scolymia vitiensis
266. Mycetophyllia danaana
267. Australomussa rowleyensis
268. Galaxea acrnelia
269. Galaxea astreata
270. Galaxea fascicularis
271. Echinophyllia aspera
272. Echinophyllia echinata
273. Echinophyllia echinoporoides
274. Mycedium elephantotus
275. Mycedium robokaki
276. Oxypora lacera
277. Oxypora crassispinosa
278. Pectinia alcicornis
279. Pectinia lactuca
280. Pectinia paenia
281. Pectinia teres
282. Trachyphyllia geoffroyi
283. Alvopora catalai
284. Goniopora columna
285. Goniopora lobata
286. Goniopora minor
287. Goniopora norfolkensis
288. Goniopora pandoraenis
289. Goniopora planulata
290. Goniopora stokesi
291. Goniopora tenuidens
292. Porites annae
293. Porites arnaudi
294. Porites compressa
295. Porites cylindrica
296. Porites eridani
297. Porites evermanni
298. Porites harrisoni
299. Porites latistella
300. Porites lobata
301. Porites lutea
302. Porites monticulosa
303. Porites murrayensis
304. Porites myrmidoensis
305. Porites nigrescens
306. Porites rus
307. Porites solida
Porites vaughani
Pocillopora ankelii
Pocillopora damicornis
Pocillopora danae
Pocillopora eydouxi
Pocillopora kelleheri
Pocillopora ligulata
Pocillopora meandrina
Pocillopora verrucosa
Seriatopora aculeata
Seriatopora hystrix
Seriatopora stellata
Seriatopora pistillata
Coscinaraea columna
Coscinaraea monile
Psammocora contigua
Psammocora digitata
Psammocora explanulata
Psammocora haimeana
Psammocora profundacella
Siderastrea savignyana
Tubipora musica
Cirrhipathes anguina
Cirrhipathes contorta
Antipathes elegans
Sticopathes solorensis
Cupressopathes gracilis
Myriopathus antrocrada
Antipathella subpinnata
Plumapathes pennacea
Dichotella gemmacea
Ellisella azilia
Ellisella cercidia
Ellisella eustala
Ellisella marisrubri
Ellisella nuctenea
Juncella delicata
Juncella eunicelloides
Juncella juncea
Viminella crassa
Viminella junceelloides
Nicella flabellata
Nicella laxa
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**PART I: MOLLUSCA**
3. Conus milneedwardsi  
4. Cypraecassisrufa  
5. Hippopushippopopopus  
6. Nautilus pompilius  
7. Tridacna maxima  
8. Tridacna squamosa  
9. Tridiclaspirillus  
10. Turbo marmoratus  

**PART J : HOLOTHURIANS**

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PART A: MAMMALS

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148. Black-faced Bunting  
149. Chestnut Bunting  
150. Yellow-browed Bunting  
151. Tristram's Bunting  
152. Little Bunting  
153. Little Bustard  
154. Macqueen's Bustard  
155. Small Buttonquail  
156. Yellow-legged Buttonquail  
157. Barred Buttonquail  
158. Golden-fronted Leafbird  
159. Jerdon's Leafbird  
160. Orange-bellied Leafbird  
161. Blue-winged Leafbird  
162. Andaman Crake  
163. Slaty-legged Crake  
164. Western Water Rail  
165. Eastern Water Rail  
166. Slaty-breasted Rail  
167. Corncrake  
168. Spotted Crake  
169. Ruddy-breasted Crake  
170. Brown Crake  
171. Little Crake  
172. Baillon's Crake  
173. Black-tailed Crake  
174. White-breasted Waterhen  
175. White-browed Crake  
176. Watercock  
177. Purple Swamphen  
178. Common Moorhen  
179. Common Coot  
180. Little Cormorant  
181. Great Cormorant  
182. Indian Cormorant  
183. Greater Coucal  
184. Andaman Coucal  
185. Lesser Coucal  
186. Sirkeer Malkoha  
187. Blue-faced Malkoha  
188. Green-billed Malkoha  
189. Pied Cuckoo  
190. Chestnut-winged Cuckoo  
191. Asian Koel

Emberizaleucocephalos  
Emberizastriolata  
Emberizaschoeniclus  
Emberizaauropicta  
Emberizaspodocephala  
Emberizarutilla  
Emberizachrysophrys  
Emberizatristrami  
Emberizasquiscu  
Emberizatetrax  
Chlamydotismacqueenii  
Turnixsylvaticus  
Turnixsuscitator  
Chloropisaurifrons  
Chloropisjerdoni  
Chloropishardwickii  
Chloropiscocochinensis  
Rallinacanningi  
Rallinaeurizonoides  
Rallus aquaticus  
Rallus indicus  
Lewinia striata  
Crex crex  
Porzana porzana  
Zaporniafusca  
Zaporniaakool  
Zapornia parva  
Zaporniaaus  
Zaporniabicolor  
Amaurornisphoenicurus  
Amaurorniscineria  
Gallicrex cinerea  
Porphyrioporphyrion  
Gallinula chloropus  
Fulica atra  
Microcarboniger  
Phalacrocorax carbo  
Phalacrocorax fuscicollis  
Centropus sinensis  
Centropusandamanensis  
Centropus bengalensis  
Taccocuaschenaultii  
Phaenicophaeusviridirostris  
Phaenicophaeustristis  
Clamatorjacobi  
Clamatorcoromandus  
Eudynamyscolopaceus
<p>| 192. | Asian Emerald Cuckoo | Chrysococcyx maculatus |
| 193. | Violet Cuckoo | Chrysococcyxanthorhynchus |
| 194. | Banded Bay Cuckoo | Cacomantis sonneratii |
| 195. | Plaintive Cuckoo | Cacomantismerulinus |
| 196. | Grey-bellied Cuckoo | Cacomantispasserinus |
| 197. | Fork-tailed Drongo Cuckoo | Surniculusdicruroides |
| 198. | Square-tailed Drongo Cuckoo | Surniculuslugubris |
| 199. | Large Hawk Cuckoo | Hierococcyxparverioides |
| 200. | Common Hawk Cuckoo | Hierococcyxvarius |
| 201. | Whistling Hawk Cuckoo | Hierococcyxnisicolor |
| 202. | Indian Cuckoo | Cuculusmicropterus |
| 203. | Common Cuckoo | Cuculuscanorus |
| 204. | Himalayan Cuckoo | Cuculussaturatus |
| 205. | Lesser Cuckoo | Cuculuspoliocephalus |
| 206. | Whimbrel | Numenius phaeopus |
| 207. | Eurasian Curlew | Numenius arquata |
| 208. | Bar-tailed Godwit | Limosaalquenna |
| 209. | Black-tailed Godwit | Limosalimosa |
| 210. | Ruddy Turnstone | Arenaria interpres |
| 211. | Great Knot | Calidris tenuirostris |
| 212. | Red Knot | Calidris canutus |
| 213. | Ruff | Calidris pugnax |
| 214. | Broad-billed Sandpiper | Calidris falcinellus |
| 215. | Sharp-tailed Sandpiper | Calidris acuminata |
| 216. | Curlew Sandpiper | Calidris ferruginea |
| 217. | Temminck's Stint | Calidris temminckii |
| 218. | Long-toed Stint | Calidris subminuta |
| 219. | Spoon-billed Sandpiper | Calidris pygmaea |
| 220. | Red-necked Stint | Calidris ruficollis |
| 221. | Sanderling | Calidris alba |
| 222. | Dunlin | Calidris alpina |
| 223. | Little Stint | Calidris minuta |
| 224. | Buff-breasted Sandpiper | Calidris subruficollis |
| 225. | Pectoral Sandpiper | Calidris melanotos |
| 226. | Asian Dowitcher | Limnodromussemipalmatus |
| 227. | Long-billed Dowitcher | Limnodromusscolopaceus |
| 228. | Eurasian Woodcock | Scolopaxrusticola |
| 229. | Solitary Snipe | Gallinago solitaria |
| 230. | Wood Snipe | Gallinagomoricola |
| 231. | Pintail Snipe | Gallinagostenura |
| 232. | Swinhoe's Snipe | Gallinagomegala |
| 233. | Great Snipe | Gallinago media |
| 234. | Common Snipe | Gallinagogallinago |
| 235. | Jack Snipe | Lymnocryptes minimus |
| 236. | Terek Sandpiper | Xenus cinereus |
| 237. | Common Sandpiper | Actitishypoleucos |
| 238. | Green Sandpiper | Tringaochropus |</p>
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<th>Species Name</th>
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<td>239.</td>
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510. Black-headed Jay
511. Eurasian Magpie
512. Spotted Nutcracker
513. Large-spotted Nutcracker
514. Eurasian Jackdaw
515. Rook
516. Common Raven
517. Carrion Crow
518. Pheasant-tailed Jacana
519. Bronze-winged Jacana
520. Common Hill Partridge
521. Rufous-throated Hill Partridge
522. White-checked Hill Partridge
523. Chestnut-breasted Hill Partridge
524. Common Quail
525. Rain Quail
526. Blue-breasted Quail
527. Himalayan Snowcock
528. Chukar Partridge
529. Snow Partridge
530. Jungle Bush Quail
531. Rock Bush Quail
532. Painted Bush Quail
533. Manipur Bush Quail
534. Black Francolin
535. Painted Francolin
536. Chinese Francolin
537. Grey Francolin
538. Swamp Francolin
539. Tibetan Partridge
540. Red Spurfowl
541. Painted Spurfowl
542. Koklass Pheasant
543. Greater Hoopoe Lark
544. Rufous-tailed Lark
545. Desert Lark
546. Black-crowned Sparrow Lark
547. Ashy-crowned Sparrow Lark
548. Singing Bushlark
549. Bengal Bushlark
550. Indian Bushlark
551. Jerdon's Bushlark
552. Lesser Short-toed Lark
553. Sand Lark
554. Bimaculated Lark
555. Tibetan Lark
556. Hume's Short-toed Lark
557. Greater Short-toed Lark
558. Sykes's Short-toed Lark
559. Horned Lark
560. Eurasian Skylark
561. Oriental Skylark
562. Crested Lark
563. Malabar Lark
564. Sykes's Lark

Garrulus lanceolatus
Pica pica
Nucifragacaryocatactes
Nucifragamultipunctata
Corvus monedula
Corvus frugilegus
Corvus corax
Corvus corone
Hydrophasianus chirurgus
Metopidius indicus
Arborophila torqueola
Arborophilaurfugularis
Arborophilaatrogularis
Arborophila mandellii
Coturnix coturnix
Coturnix coromandela
Tetraogallushimalayensis
Alectoris chukar
Lerwa lerwa
Perdicula asiatica
Perdicula argoondah
Perdicula erythrorhyncha
Perdicula manipurensis
Francolinus francolinus
Francolinus pictus
Francolinus pintadeanus
Francolinus pondicerianus
Francolinus gularis
Perdix hodgsoniae
Galloperdix spadicea
Galloperdix lunulata
Pucrasiamacrolopha
Alaemonalaudipes
Anmomanesphoenica
Anmomanes deserti
Eremopterix griseus
Mirafractusillans
Mirafrassassamica
Mirafracerythroptera
Mirafracaffinis
Alaudalarufescens
Alauda rayal
Melanocoryphabimaculata
Melanocorypha maxima
Calandrella acutirostris
Calandrella brachyptera
Calandrelladukhunensis
Eremophila alpestris
Alauda arvensis
Alauda gulgula
Galerida cristata
Galerida malabarica
Galerida deva
565. Grey-headed Parakeet          Psittacula finschii
566. Slaty-headed Parakeet        Psittacula himalayana
567. Blossom-headed Parakeet      Psittacula rosea
568. Plum-headed Parakeet         Psittacula cyanocephala
569. Lord Derby's Parakeet        Psittacula derbiana
570. Long-tailed Parakeet         Psittacula longicauda
571. Malabar Parakeet             Psittacula columboides
572. Alexandrine Parakeet         Psittacula eupatria
573. Rose-ringed Parakeet         Psittacula krameri
574. Nicobar Parakeet             Psittacula caniceps
575. Vernal Hanging Parrot        Loriculus vernalis
576. Nicobar Megapode             Megapodius nicobariensis
577. White-bellied Minivet        Pericrocotus erythropygius
578. Small Minivet                Pericrocotus cinnamomeus
579. Grey-chinned Minivet         Pericrocotus soloris
580. Short-billed Minivet         Pericrocotus brevirostris
581. Long-tailed Minivet          Pericrocotus ethologus
582. Scarlet Minivet              Pericrocotus flammeus
583. Ashy Minivet                 Pericrocotus dibrivaticus
584. Swinhoe's Minivet            Pericrocotus cantonensis
585. Rosy Minivet                 Pericrocotus roseus
586. Large Cuckoo-shrike          Coracina javensis
587. Andaman Cuckoo-shrike        Coracina dibrivaticus
588. Pied Triller                 Lalage nigra
589. Black-winged Cuckoo-shrike   Lalage melaschistos
590. Black-headed Cuckoo-shrike   Lalage melanoptera
591. Common Starling               Sturnus vulgaris
592. Rosy Starling                 Pastor roseus
593. Purple-backed Starling       Agropsarsturninns
594. Chestnut-cheeked Starling    Agropsarphilippensis
595. Asian Pied Starling          Gracupica contra
596. Brahminy Starling            Sturniapagodarum
597. Chestnut-tailed Starling     Sturniamalabarica
598. White-headed Starling        Sturnia erythropygia
599. White-cheeked Starling       Spodiops arcineraceus
600. Common Myna                   Acridotheres tristis
601. Bank Myna                    Acridotheres geginianus
602. Jungle Myna                  Acridotheres fuscus
603. Collared Myna                Acridotheres albocinctus
604. Great Myna                   Acridotheres grandis
605. Spot-winged Starling         Saroglossas pilopterus
606. Southern Hill Myna           Gracula indica
607. Golden-crested Myna          Ampeliceps coronatus
608. Asian Glossy Starling        Aplonis panayensis
609. Great Eared Nightjar         Lyncornis macrotis
610. Grey Nightjar                Caprimulgus jotaka
611. Jungle Nightjar              Caprimulgus indicus
612. European Nightjar            Caprimulgus europaeus
613. Sykes's Nightjar             Caprimulgus mahrattensis
614. Jerdon's Nightjar            Caprimulgus atripennis
615. Large-tailed Nightjar        Caprimulgus macrurus
616. Andaman Nightjar             Caprimulgus andamanicus
617. Indian Nightjar              Caprimulgus asiaticus
618. Savanna Nightjar             Caprimulgus affinis
619. Maroon Oriole                Oriolustraili
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675. Barred Cuckoo Dove  Macropygia unchall
676. Andaman Cuckoo Dove  Macropygia rufifrons
677. Orange-breasted Green Pigeon  Treron bicinctus
678. Ashy-headed Green Pigeon  Treron phayrei
679. Grey-fronted Green Pigeon  Treron affinis
680. Andaman Green Pigeon  Treron chloropterus
681. Thick-billed Green Pigeon  Treron curvirostra
682. Yellow-legged Green Pigeon  Treron phoenicopterus
683. Pin-tailed Green Pigeon  Treron curvirostra
684. Wedge-tailed Green Pigeon  Treron sphenurus
685. Nicobar Pigeon  Caloenas nicobarica
686. Asian Emerald Dove  Chalcophaps indica
687. Namaqua Dove  Oena capensis
688. Green Imperial Pigeon  Ducula aenea
689. Mountain Imperial Pigeon  Ducula badia
690. Pied Imperial Pigeon  Ducula bicolor
691. Forest Wagtail  Dendronanthus indicus
692. Tree Pipit  Anthus trivialis
693. Olive-backed Pipit  Anthus hodgsoni
694. Red-throated Pipit  Anthus cervinus
695. Rosy Pipit  Anthus roseatus
696. Buff-bellied Pipit  Anthus rubescens
697. Water Pipit  Anthus spinola
698. Upland Pipit  Anthus sylvanus
699. Nilgiri Pipit  Anthus nilghiricus
700. Richard's Pipit  Anthus richardi
701. Paddyfield Pipit  Anthus rufulus
702. Blyth's Pipit  Anthus godlewskii
703. Tawny Pipit  Anthus campestris
704. Long-billed Pipit  Anthus similis
705. Western Yellow Wagtail  Motacilla flava
706. Grey Wagtail  Motacilla cinerea
707. Citrine Wagtail  Motacilla citreola
708. Eastern Yellow Wagtail  Motacilla koreensis
709. White-browed Wagtail  Motacilla alba
710. White Wagtail  Motacilla alba
711. Blue-naped Pitta  Hydrornis nipalensis
712. Blue Pitta  Hydrornis cyanus
713. Indian Pitta  Pithis brachyura
714. Blue-winged Pitta  Pithis malaccensis
715. Mangrove Pitta  Pithis megarrhynchus
716. Hooded Pitta  Pithis sordida
717. Grey Plover  Pluvialis squatarola
718. Eurasian Golden Plover  Pluvialis apricaria
719. Pacific Golden Plover  Pluvialis fulva
720. Common Ringed Plover  Charadrius hiaticula
721. Long-billed Plover  Charadrius placidus
722. Little Ringed Plover  Charadrius dubius
723. Kentish Plover  Charadrius alexandrinus
724. Lesser Sand Plover  Charadrius mongolus
725. Greater Sand Plover  Charadrius leschenaultii
726. Caspian Plover  Charadrius asiaticus
727. Oriental Plover  Charadrius veredus
728. Northern Lapwing  Vanellus vanellus
729. River Lapwing  Vanellus duvaucelii
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### PART C: REPTILES

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<td>Dhaman or Rat Snake</td>
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<td>Dog faced Water Snake</td>
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### PART D: AMPHIBIANS

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<td>Jerdon's/South Indian bullfrog</td>
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<td>Indian Green/Indian Five-fingered Frog</td>
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4. Kemp's tree toad  
   Pedostibeskempi
5. Malabar tree toad  
   Pedostipes tuberculosis

**PART 4 : INSECTS**

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44. Paona Hairstreak Butterfly  
*Chrysozephyrus paona*
45. Cornelian Butterfly  
*Deudorix epijarbus amatius*
46. Peacock Hairstreak Butterfly  
*Euaspa pavo*
47. Hybrid Sapphire Butterfly  
*Heliophorus brahma*
48. Violet Onyx Butterfly  
*Horaga albimacula*
49. Ferrar's Cerulean Butterfly  
*Jamides ferrari ferrari*
50. Tytler's Dull Oakblue Butterfly  
*Arhopala arata*
51. Rosy Oakblue Butterfly  
*Arhopala constanceae*
52. Opal Oakblue Butterfly  
*Nilasera opalina*
53. Lister's Hairstreak Butterfly  
*Pamela dudgeoni*
54. Dark Blue Royal Butterfly  
*Pratapa icetas mishmia*
55. Elwes' Silverline Butterfly  
*Spindasis elwesi*
56. Khaki Silverline Butterfly  
*Aphnaeus rumini*
57. Mackwood's Hairstreak Butterfly  
*Thecla mackwoodi*
58. Anisozygopteran Dragonfly  
*Epiophlebia laidlawi*

**PART F: MOLLUSCA**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td><em>Cypraealimacina</em></td>
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<tr>
<td>2.</td>
<td><em>Cypraeamappa</em></td>
</tr>
<tr>
<td>3.</td>
<td><em>Cypraeatalpa</em></td>
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<tr>
<td>4.</td>
<td><em>Pleuroloca trapezium</em></td>
</tr>
<tr>
<td>5.</td>
<td><em>Harpulinaarasiaca</em></td>
</tr>
<tr>
<td>6.</td>
<td><em>Lambis chiragra arthritica</em></td>
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<tr>
<td>7.</td>
<td><em>Lambis chiragra chiragra</em></td>
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<td>8.</td>
<td><em>Lambiscrocatacrocata</em></td>
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<td>9.</td>
<td><em>Lambismillepeda</em></td>
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<tr>
<td>10.</td>
<td><em>Lambisscorpius</em></td>
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<tr>
<td>11.</td>
<td><em>Lambistruncatatruncata</em></td>
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<tr>
<td>12.</td>
<td><em>Placuna placenta</em></td>
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<tr>
<td>13.</td>
<td><em>Strombusplicatussibaldi</em></td>
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<td>14.</td>
<td><em>Trochus niloticus</em></td>
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**PART G: SPONGES**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Scientific Name</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td><em>Clathrina coriacea</em></td>
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<tr>
<td>2.</td>
<td><em>Pericharax heteroraphis</em></td>
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<tr>
<td>3.</td>
<td><em>Leucandradonani var tenuiradiata</em></td>
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<tr>
<td>4.</td>
<td><em>Leucandradwarkensis</em></td>
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<tr>
<td>5.</td>
<td><em>Leucandrawasinensis</em></td>
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<tr>
<td>6.</td>
<td><em>Leuconia johnstoni</em></td>
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<tr>
<td>7.</td>
<td><em>Ute syconoides</em></td>
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<tr>
<td>8.</td>
<td><em>Grantessahastifera</em></td>
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<tr>
<td>9.</td>
<td><em>Heteropiaglomerosa</em></td>
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<tr>
<td>10.</td>
<td><em>Sycon grantioides</em></td>
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SCHEDULE III
(See Chapter IIIA and sections 50, 51, 54 and 57)

SPECIFIED PLANTS

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Scientific Name</th>
<th>Local name</th>
<th>Family</th>
<th>Distribution</th>
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<tbody>
<tr>
<td>1</td>
<td>Strobilanthes kunthianus</td>
<td>Neel kurinji</td>
<td>Acanthaceae</td>
<td>S.W. Ghats</td>
</tr>
<tr>
<td>2</td>
<td>Coptis teeta</td>
<td>Gold threat,</td>
<td>Ranunculaceae</td>
<td>Arunachal Pradesh</td>
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<tr>
<td></td>
<td></td>
<td>Mishmi teeta</td>
<td></td>
<td></td>
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<tr>
<td>3</td>
<td>Coscinium fenestratum</td>
<td>Tree turmeric</td>
<td>Menispermaceae</td>
<td>S.W.Ghats</td>
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<tr>
<td>4</td>
<td>Taxus wallichiana</td>
<td>Common yew</td>
<td>Taxaceae</td>
<td>Himalayas</td>
</tr>
<tr>
<td>5</td>
<td>Vanda coerulea</td>
<td>Blue vanda</td>
<td>Orchidaceae</td>
<td>N.E. India</td>
</tr>
<tr>
<td>6</td>
<td>Nepenthes khasiana</td>
<td>Pitcher plant</td>
<td>Nepenthaceae</td>
<td>Meghalaya</td>
</tr>
<tr>
<td>7</td>
<td>Renanthera inschootiana</td>
<td>Red vanda</td>
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<td>Eastern Himalaya</td>
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<tr>
<td>8</td>
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<td>Cycadaceae</td>
<td>Peninsular India, A &amp; N Islands, N.E. India</td>
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<td>9</td>
<td>Ceropegias</td>
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<td>Apocynaceae</td>
<td>Peninsular India, N.E. India</td>
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<tr>
<td>10</td>
<td>Aenhenrya rotundifolia</td>
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<td>Southern Western Ghats</td>
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<td>11</td>
<td>Odontochilus grandiflorus</td>
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<td>Orchidaceae</td>
<td>N.E. India, West Bengal, Sikkim</td>
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<td>12</td>
<td>Odontochilus tetrapetens</td>
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<td>Manipur</td>
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<td>13</td>
<td>Rhomboda pulchra</td>
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<td>N.E. India Eastern Himalayas</td>
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<td>14</td>
<td>Vrydagzyne viridiflora</td>
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<td>Orchidaceae</td>
<td>Assam</td>
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<td>15</td>
<td>Zeuxine andamanica</td>
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<td>Orchidaceae</td>
<td>A &amp; N. Islands</td>
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<tr>
<td>16</td>
<td>Ipseamalabarica</td>
<td>Daffodil orchid</td>
<td>Orchidaceae</td>
<td>Silent Valley (Kerala)</td>
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<tr>
<td>17</td>
<td>Habenariabarnesi</td>
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<td>Orchidaceae</td>
<td>Nilgiris- Shola, Tamil Nadu</td>
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<tr>
<td>18</td>
<td>Podophyllum hexandrum</td>
<td>Indian podoyllum</td>
<td>Podophyllaceae</td>
<td>Himalayas</td>
</tr>
</tbody>
</table>

SCHEDULE IV

Interpretation
(See Chapter VIB and sections 39, 50, 51, 54 and 57)

1. Species included in these Appendices are referred to:
   (a) by the name of the species; or
   (b) as being all of the species included in a higher taxon or designated part thereof.

2. The abbreviation "spp." is used to denote all species of a higher taxon.

3. Other references to taxa higher than species are for the purposes of information or classification only. The common names included after the scientific names of families are for reference only. They are intended to indicate the species within the family concerned that are included in the Appendices. In most cases this is not all of the species within the family.

4. The following abbreviations are used for plant taxa below the level of species:
   (a) "ssp." is used to denote sub-species; and
   (b) "var(s)." is used to denote variety (varieties).

5. As none of the species or higher taxa of FLORA included in Appendix I is annotated to the effect that its hybrids shall be treated in accordance with the provisions of Article III of the Convention, this means that artificially propagated hybrids produced from one or more of these species or taxa may be traded with a certificate of artificial propagation, and that seeds and pollen (including pollinia), cut flowers, seedling or tissue cultures obtained in vitro, in solid or liquid media, transported in sterile containers of these hybrids are not subject to the provisions of the Convention.
6. The names of the countries in parentheses placed against the names of species in Appendix III are those of the Parties submitting these species for inclusion in this Appendix.

7. When a species is included in one of the Appendices, the whole, live or dead, animal or plant is included. In addition, for animal species listed in Appendix III and plant species listed in Appendix II or III, all parts and derivatives of the species are also included in the same Appendix unless the species is annotated to indicate that only specific parts and derivatives are included. The symbol # followed by a number placed against the name of a species or higher taxon included in Appendix II or III refers to a foot note that indicates the parts or derivatives of animals or plants that are designated as 'specimens' subject to the provisions of the Convention in accordance with Article I, paragraph (b), sub-paragraph (ii) or (iii).

8. The terms and expressions below, used in annotations in these Appendices, are defined as follows:

**Extract**

Any substance obtained directly from plant material by physical or chemical means regardless of the manufacturing process. An extract may be solid (e.g. crystals, resin, fine or coarse particles), semi-solid (e.g. gums, waxes) or liquid (e.g. solutions, tinctures, oil and essential oils).

**Finished musical instruments**

A musical instrument (as referenced by the Harmonized System of the World Customs Organization, Chapter 92; musical instruments, parts and accessories of such articles) that is ready to play or needs only the installation of parts to make it playable. This term includes antique instruments (as defined by the Harmonized System codes 97.05 and 97.06; Works of art, collectors' pieces and antiques).

**Finished musical instrument accessories**

A musical instrument accessory (as referenced by the Harmonized System of the World Customs Organisation, Chapter 92; musical instruments, parts and accessories of such articles) that is separate from the musical instrument, and is specifically designed or shaped to be used explicitly in association with an instrument, and that requires no further modification to be used.

**Finished musical instrument parts**

A part (as referenced by the Harmonized System of the World Customs Organisation, Chapter 92; musical instruments, parts and accessories of such articles) of a musical instrument that is ready to install and is specifically designed and shaped to be used explicitly in association with the instrument to make it playable.

**Finished products packaged and ready for retail trade**

Products, shipped singly or in bulk, requiring no further processing, packaged, labelled for final use or the retail trade in a state fit for being sold to or used by the general public.

**Powder**

A dry, solid substance in the form of fine or coarse particles.

**Shipment**

Cargo transported under the terms of a single bill of lading or air waybill, irrespective of the quantity or number of containers, packages, or pieces worn, carried or included in personal baggage.
Ten (10) kg per shipment

For the term “10 kg per shipment”, the 10 kg limit should be interpreted as referring to the weight of the individual portions of each item in the shipment made of wood of the species concerned. In other words, the 10 kg limit is to be assessed against the weight of the individual portions of wood of Dalbergia/Guibourtia species contained in each item of the shipment, rather than against the total weight of the shipment.

Transformed wood

Defined by Harmonized System code 44.09: Wood (including strips, friezes for parquet flooring, not assembled), continuously shaped (tongued, grooved, v-jointed, beaded or the like) along any edges, ends or faces, whether or not planed, sanded or end-jointed.

Woodchips

Wood that has been reduced to small pieces.

APPENDIX I

FAUNA (ANIMALS)

PHYLUM CHORDATA
CLASS MAMMALIA (MAMMALS)
ARTIODACTYLA

Antilocapridae Pronghorns

1  Antilocapra americana (Only the population of Mexico is included in Appendix I. No other population is included in the Appendices.)

Bovidae

Antelopes, cattle, duikers, gazelles, goats, sheep, etc.

2  Addax nasomaculatus
3  Bos gaurus (Excludes the domesticated form, which is referenced as Bos frontalis, and is not subject to the provisions of the Convention.)
4  Bos mutus (Excludes the domesticated form, which is referenced as Bos grunniens, and is not subject to the provisions of the Convention.)
5  Bos sauveli
6  Bubalus depressicornis
7  Bubalus mindorensis
8  Bubalus quarlesi
9  Capra falconeri
10 Capricornis milneedwardsii
11 Capricornis rubidus
12 Capricornis sumatraensis
13 Capricornis thar
14 Cephalophus jentinki
15 Gazella cavieri
16 Gazella leptoceros
17 Hippotragus nigervari
18 Naemorhedus bailey
Naemorhedus caudatus
Naemorhedus goral
Naemorhedus griseus
Nangerdama
Oryx dammah
Oryx leucoryx
Ovis gmelini (Only the population of Cyprus; no other population is included in the Appendices)
Ovis hodgsoni
Ovis nigrimontana
Ovis vignei
Pantholopshodgsonii
Pseudoryxnghetinhensis
Camelidæ
Camels, guanacos, vicunas
Vicugna vicugna [Except the populations of: Argentina (the populations of the Provinces of Jujuy, Catamarca and Salta, and the semi-captive populations of the Provinces of Jujuy, Salta, Catamarca, La Rioja and San Juan), Chile (populations of the region of Tarapacá and of the region of Arica and Parinacota), Ecuador (the whole population), Peru (the whole population) and the Plurinational State of Bolivia (the whole population), which are included in Appendix II]

Cervidæ
Deer, huemuls, muntjacs, pudus
Axis calamianensis
Axis kuhlii
Axis porcinusannamiticus
Blastocerusdichotomus
Cervus elaphus hanglu
Damadamamesopotamica
Hippocamelus spp.
Muntiacuscrinifrons
Muntiacusvuquanghensis
Ozotocerosbezoarticus
Pudupuda
Rucervusduvaucelii
Rucervuseldii
Giraffidæ
Giraffes
Hippopotamidæ
Hippopotamuses
Moschidæ
Musk deer
Moschus spp. [(Only the populations of Afghanistan, Bhutan, India, Myanmar, Nepal and Pakistan; all other populations are included in Appendix II)]
Suidae
Babirusa, hogs, pigs

46 Babyrousa babyrussa
47 Babyrousa bolabatuensis
48 Babyrousa celebensis
49 Babyrousa togeanensis
50 Sus salvanius

Tayassuidae
Peccaries

51 Catagonus wagneri

CARNIVORA

Ailuridae
Red pandas

52 Ailurus fulgens

Canidae
Dogs, foxes, wolves

53 Canis lupus (Only the populations of Bhutan, India, Nepal and Pakistan; all other populations are included in Appendix II. Excludes the domesticated form and the dingo which are referenced as Canis lupus familiaris and Canis lupus dingo, respectively, which are not subject to the provisions of the Convention)

54 Speothos venaticus

Felidae
Cats

55 Acinonyx jubatus (Annual export quotas for live specimens and hunting trophies are granted as follows: Botswana: 5; Namibia: 150; Zimbabwe: 50. The trade in such specimens is subject to the provisions of Article III of the Convention.)

56 Caracal caracal (Only the population of Asia; all other populations are included in Appendix II.)

57 Catopuma temminckii

58 Felis nigripes

59 Herpailurus yagouaroundi (Only the populations of Central and North America; all other populations are included in Appendix II)

60 Leopardus geoffroyi

61 Leopardus guttulus

62 Leopardus jacobita

63 Leopardus pardalis

64 Leopardus tigrinus

65 Leopardus wiedii

66 Lynx pardinus

67 Neofelis diardi

68 Neofelis nebulosa

69 Panthera leo (Only the populations of India; all other populations are included in Appendix II.)
Panthera onca
Panthera pardus
Panthera tigris
Panthera uncia
Pardofelis marmorata
Prionailurus bengalensis bengalensis (Only the populations of Bangladesh, India and Thailand; all other populations are included in Appendix II.)
Prionailurusplaniceps
Prionailurusrubiginosus (Only the population of India; all other populations are included in Appendix II.)
Puma concolor (Only the populations of Costa Rica and Panama; all other populations are included in Appendix II)
Otters
Aonyx capensis microdon (Only the populations of Cameroon and Nigeria; all other populations are included in Appendix II.)
Aonyx cinerea
Enhydra lutris nereis
Lontra felina
Lontralongicaudis
Lontraprovocax
Lutralutra
Lutranippon
Lutrogaleperspicillata
Pteronurabrasiliensis
Mustelinae
Grisons, honey badgers, martens, tayra, weasels
Mustela nigripes
Otariidae
Fur seals, sealions
Arctocephalus townsendi
Phocidae
Seals
Monachus spp.
Ursidae
Bears, giant pandas
Ailuropoda melanoleuca
Helarctosmalayanus
Melursus ursinus
Tremarctosornatus
Ursus arctos (Only the populations of Bhutan, China, Mexico and Mongolia; all other populations are included in Appendix II.)
Ursus arctos isabellinus
Ursus thibetanus

Viverridae
Binturong, civets, linsangs, otter-civet, palm civets

Prionodonpardinicolor

CETACEA
DOLPHINS, PORPOISES, WHALES
Balaenidae
Bowhead whale, right whales

Balaena mysticetus
Eubalaena spp.

Balaenopteridae
Fin whales, humpback whales, rorquals

Balaenoptera acutorostrata (Except the population of West Greenland, which is included in Appendix II.)
Balaenoptera bonaerensis
Balaenoptera borealis
Balaenoptera edeni
Balaenoptera musculus
Balaenoptera omurai
Balaenoptera physalus (All stocks.)
Megaptera novaeangliae

Delphinidae
Dolphins

Orcaella brevirostris
Orcaella heinsohni
Sotalia spp.
Sousa spp.

Eschrichtiidae
Grey whale

Eschrichtius robustus

Iniidae
River dolphins

Lipotes vexillifer

Neobalaenidae
Pygmy right whale

Caperea marginata

Phocoenidae
Porpoises

Neophocaena asiatica orientalis
Neophocaena phocaenoides
Phocoena sinus

Physeteridae
Sperm whales

Physeter macrocephalus
Platanistidae
River dolphins

Platanista spp.

Ziphiidae
Beaked whales, bottlenosed whales

Berardius spp.
Hyperoodon spp.

CHIROPTERA
Phyllostomidae
Broad-nosed bats
Pteropodidae
Fruit bats, flying foxes

Acerodon jubatus
Pteropusinsularis
Pteropuslloochoensis
Pteropusmariannus
Pteropusmolossinus
Pteropuspelewensis
Pteropuspilosus
Pteropusamoensisis
Pteropustonganus
Pteropusualanus
Pteropusyapensis

CINGULATA
Dasypodidae
Armadillos

Priorodentes maximus

DASYUROMORPHA
Dasyuridae
Dunnarts

Sminthopsislongicaudata
Sminthopsispsammaphila

DIPROTODONTIA
Macropodidae
Kangaroos, wallabies

Lagorchesteshirsutus
Lagostrophusfasciatus
Onychogaleafraenata

Potoroidae
Rat-kangaroos

Bettongia spp.

Lagomorpha

Vombatidae
Wombats

Lasiorhinuskrefftii

Leporidae
Hares, rabbits

Caprolagushispidus
Romerolagus diazi

PERAMELEMORPHIA
Peramelidae
Bandicoots, echymiperas

Perameles bougainville

Thylacomyidae
Bilbies

Macrotris lagotis

PERISSODACTYLA
Equidae
Horses, wild asses, zebras

Equus africanus (Excludes the domesticated form, which is referenced as Equus asinus and is not subject to the provisions of the Convention.)

Equus grevyi

Equus hemionus hemionus

Equus hemionus khur

Equus przewalskii

Rhinocerotidae
Rhinoceroses

Rhinocerotidae spp. (Except the species included in Appendix II)

Tapiridae
Tapirs

Tapiridae spp. (Except the species included in Appendix II)

PHOLIDOTA
Manidae
Pangolins

Manis crassicaudata

Manis culionensis

Manis gigantea

Manis javanica

Manis pentadactyla

Manis temminckii

Manis tetradactyla

Manis tricuspis

PRIMATES
APES, MONKEYS
Atelidae
Howler monkeys, spider monkeys

Alouatta coibensis

Alouatta palliata

Alouatta pigra

Ateles Geoffroyi frontatus

Ateles Geoffroyi ornatus

Brachytelesarachnoides
<table>
<thead>
<tr>
<th>Number</th>
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<tr>
<td>168</td>
<td><em>Brachyteles hypoxanthus</em></td>
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<tr>
<td>169</td>
<td><em>Oreopax flavicauda</em></td>
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<td>170</td>
<td><em>Callimico goeldii</em></td>
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<td>171</td>
<td><em>Callithrix aurita</em></td>
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<td>172</td>
<td><em>Callithrix flaviceps</em></td>
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<td>173</td>
<td><em>Leontopithecus</em> spp.</td>
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<td><em>Saguinus bicolor</em></td>
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<td>175</td>
<td><em>Saguinus geoffroyi</em></td>
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<td>176</td>
<td><em>Saguinus leucopus</em></td>
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<td>177</td>
<td><em>Saguinus martinsi</em></td>
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<td>178</td>
<td><em>Saguinus oedipus</em></td>
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<td>179</td>
<td><em>Saimiri oerstedii</em></td>
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<td>180</td>
<td><em>Cercocebus galeritus</em></td>
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<td><em>Cercopithecus roloway</em></td>
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<td>184</td>
<td><em>Macaca sylvanus</em></td>
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<td>185</td>
<td><em>Mandrillus leucophaeus</em></td>
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<td>186</td>
<td><em>Mandrillus sphinx</em></td>
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<td>187</td>
<td><em>Nasalis larvatus</em></td>
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<td>188</td>
<td><em>Piliocolobus kirkii</em></td>
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<td>189</td>
<td><em>Piliocolobus rufomitratus</em></td>
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<td><em>Presbytis potenziani</em></td>
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<td><em>Pygathrix</em> spp.</td>
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<td><em>Rhinopithecus</em> spp.</td>
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<td>195</td>
<td><em>Semnopithecus entellus</em></td>
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<td>196</td>
<td><em>Semnopithecus hector</em></td>
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<td><em>Semnopithecus hypoleucos</em></td>
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<td>198</td>
<td><em>Semnopithecus priam</em></td>
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<td><em>Semnopithecus schistaceus</em></td>
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<td><em>Simias concolor</em></td>
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<td>201</td>
<td><em>Trachypithecus geei</em></td>
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<td>202</td>
<td><em>Trachypithecus spileatus</em></td>
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<td>203</td>
<td><em>Trachypithecus shortridgei</em></td>
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<tr>
<td>204</td>
<td><em>Cheirogaleidae</em> spp.</td>
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<td>205</td>
<td><em>Daubentoniidae</em></td>
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<td>206</td>
<td><em>Aye-aye</em></td>
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<td><em>Daubentonia madagascariensis</em></td>
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Hominidae
Apes, chimpanzees, gorillas, orang-utans

206  *Gorilla beringei*
207  *Gorilla gorilla*
208  *Pan spp.*
209  *Pongo abelii*
210  *Pongo pygmaeus*

Hylobatidae
Gibbons

211  *Hylobatidae spp.*

Indriidae
Indris, sifakas, woolly lemurs

212  *Indriidae spp.*

Lemuridae
Large lemurs

213  *Lemuridae spp.*

Lepilemuridae
Sportive lemurs

214  *Lepilemuridae spp.*

Lorisidae
Lorises

215  *Nycticebus spp.*

Pitheciidae
Sakis, uakaris

216  *Cacajao spp.*

PROBOSCIDEA
Elephantidae
Elephants

218  *Elephas maximus*

219  *Loxodonta africana* (Except the populations of Botswana, Namibia, South Africa and Zimbabwe, which are included in Appendix II subject to annotation 2)

RODENTIA
Chinchillidae
Chinchillas

220  *Chinchilla spp.* (Specimens of the domesticated form are not subject to the provisions of the Convention)

Sciuridae
Ground squirrels, tree squirrels

221  *Cynomys mexicanus*

SIRENIA
Dugongidae
Dugong

222  *Dugong dugon*

Trichechidae
Manatees

223  *Trichechus inunguis*
Trichechus manatus  
Trichechus senegalensis

CLASS AVES (BIRDS)  
ANSERIFORMES  
Anatidae  
Ducks, geese, swans, etc.

Anas aucklandica  
Anas chlorotis  
Anas laysanensis  
Anas nesiots  
Asarcornisscutulata  
Branta canadensis leucopareia  
Branta sandvicensis  
Rhodonessacaryophyllacea

APODIFORMES  
Trochilidae  
Humming birds  
Glaucisdohnii

CHARADRIIFORMES  
Laridae  
Gulls  
Larus relictus  
Numenius borealis  
Numenius tenuirostris  
Tringaguttifer

CICONIIFORMES  
Ciconiidae  
Storks  
Ciconia boyciana  
Jabiru mycteria  
Mycteria cinerea

Threskiornithidae  
Ibises, spoonbills  
Geronticuseremita  
Nipponianippon

COLUMBIFORMES  
Columbidae  
Doves, pigeons  
Caloenasnicobarica  
Duculamindorensis

CORACIIFORMES  
Bucerotidae  
Hornbills  
Acerosnipalensis  
Bucerosbicornis  
Rhinoplax vigil  
Rhyticerossubruficollis
FALCONIFORMES
Accipitridae
Hawks, eagles

250  
251  
252  
253  
254  
255  
Cathartidae
New-world vultures

256  
257  
Falconidae
Falcons

258  
259  
260  
Falco newtoni (Only the population of Seychelles.)

261  
262  
263  
264  

GALLIFORMES
Cracidae
Chachalacas, currassows, guans

265  
266  
267  
268  
269  
270  
Megapodiidae
Megapodes, scrubfowl

271  
Phasianidae
Grouse, guineafowl, partridges, peafowl, pheasants, tragopans

272  
273  
274  
275  
276  
277  
278  
279  
280  
281  
Polyplectronnapoleonis
Rheinardia ocellata
Syrmaticusellioti
Syrmaticushumiae
Syrmaticusmikado
Tetraogallusscaspius
Tetraogallustibetanus
Tragopan blythii
Tragopan caboti
Tragopan melanocephalus

GRUIFORMES
Gruidae
Cranes

Balearica pavonina
Grus americana
Grus canadensis nesiotes
Grus canadensis pulla
Grus japonensis
Grus leucogeranus
Grus monacha
Grus nigrigollis
Grus vipio

Otididae
Bustards

Ardeotisnigriceps
Chlamydotismacqueenii
Chlamydotisundulata
Houbaropsis bengalensis

Rallidae
Rails

Gallirallus sylvestris

Rhynochetidae
Kagu

Rhynchos jubatus

PASSERIFORMES
Atrichornithidae
Scrub-birds

Atrichornisclamosus

Cotingidae
Cotingas

Cotinga maculata

Fringillidae
Finches

Xipholenaatropurpurea

Hirundinidae
Martins

Carduelis cucullata
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Psittacidae
Amazons, macaws, parakeets, parrots

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<td>Psittacula echo</td>
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<td>Psittacus erithacus</td>
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69

373  *Pyrrhura cruentata*
374  *Rhynchopsitta* spp.
375  *Strigops habroptila*

**RHEIFORMES**
Rheidae
Rheas

376  *Pterocnemia pennata* (Except *Pterocnemia pennata* pennata which is included in Appendix II)
**SPHENISCIFORMES**
Spheniscidae
Penguins

377  *Spheniscus humboldti*

**STRIGIFORMES**
Strigidae
Owls

378  *Heteroglaux blewitti*
379  *Mimizukugurneyi*
380  *Ninox natalis*

Tytonidae
Barn owls

381  *Tyto soumagnei*

**STRUTHIONIFORMES**
Struthionidae
Ostriches

382  *Struthio camelus* (Only the populations of Algeria, Burkina Faso, Cameroon, the Central African Republic, Chad, Mali, Mauritania, Morocco, the Niger, Nigeria, Senegal and the Sudan; all other populations are not included in the Appendices)

**TINAMIFORMES**
Tinamidae
Tinamous

383  *Tinamus solitarius*

**TROGONIFORMES**
Trogonidae
Quetzals

384  *Pharomachrus mocinno*

**CLASS REPTILIA**
**CROCODYLIA**
Alligatoridae
Alligators, caimans

385  *Alligator sinensis*
386  *Caiman crocodilus sapaporiensis*
387  *Caiman latirostris* (Except the population of Argentina, which is included in Appendix II.)
388  *Melanosuchus niger* (Except for the population of Brazil, which is included in Appendix II, and the population of Ecuador, which is included in Appendix II and is subject to a zero annual export quota until an annual export
quota has been approved by the CITES Secretariat and the IUCN/SSC Crocodile Specialist Group.)

Crocodylidae
Crocodiles

389

*Crocodylus acutus* (Except the population of the Integrated Management District of Mangroves of the Bay of Cispata, Tinajones, La Balsa and Surrounding Areas, Department of Córdoba, Colombia, and the population of Cuba, which are included in Appendix II; and the population of Mexico, which is included in Appendix II and is subject to a zero export quota for wild specimens for commercial purposes)

390

*Crocodylus cataphractus*

391

*Crocodylus intermedius*

392

*Crocodylus mindorensis*

393

*Crocodylus moreletii* (Except the population of Belize, which is included in Appendix II with a zero quota for wild specimens traded for commercial purposes, and the population of Mexico, which is included in Appendix II.)

394

*Crocodylus niloticus* [Except the populations of Botswana, Egypt (subject to a zero quota for wild specimens traded for commercial purposes), Ethiopia, Kenya, Madagascar, Malawi, Mozambique, Namibia, South Africa, Uganda, the United Republic of Tanzania (subject to an annual export quota of no more than 1,600 wild specimens including hunting trophies, in addition to ranched specimens), Zambia and Zimbabwe, which are included in Appendix II]

395

*Crocodylus palustris*

396

*Crocodylus porosus* [Except the populations of Australia, Indonesia, Malaysia [wild harvest restricted to the State of Sarawak and a zero quota for wild specimens for the other States of Malaysia (Sabah and Peninsular Malaysia), with no change in the zero quota unless approved by the Parties] and Papua New Guinea, which are included in Appendix II.]

397

*Crocodylus rhombifer*

398

*Crocodylus siamensis*

399

*Osteolaemus tetraspis*

400

*Tomistoma schlegelii*

Gavialidae
Gavials

401

*RHYNCHOCEPHALIA*
*Sphenodontidae*
*Tuataras*

402

*SAURIA*
*Agamidae*

*Gavialis gangeticus*

*Sphenodon* spp.
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Spiny-tailed lizards, agamas

Anguidae
Alligator lizards

Chamaeleonidae
Chameleons

Gekkonidae
Geckos

Helodermatidae
Beaded lizards, Gila monsters

Iguanidae
Iguanas

Iguanidae
Iguanas

Lacertidae
Lizards

Varanidae
Monitor lizards

Xenosauridae
Chinese crocodile lizard

Serpentes
Boidae
Boas
Epicrates monensis
Epicrates subflavus
Sanzinia madagascariensis
Bolyeriana multocarinata
Casarea dussumieri
Python molurus molurus
Viperaursinii (Only the population of Europe, except the area which formerly constituted the Union of Soviet Socialist Republics; these latter populations are not included in the Appendices.)

TESTUDINES
Chelidae
Austro-American sideneck turtles
Pseudemydura umbrina
Cheloniidae
Sea turtles
Cheloniidae spp.
Dermochelyidae
Leatherback turtles
Dermochelys coriacea
Emydidae
Box turtles, freshwater turtles
Glyptemys muhlenbergii
Terrapene coahuila
Geoemydidae
Box turtles, freshwater turtles
Bataguria affinis
Bataguria baska
Cuora bourreti
Cuora picturata
Geoclemys hamiltonii
Mauremys annamensis
Melanochelys stricarinata
Morenia ocellata
Pangshura tecta
Platysternidae
Big-headed turtles
Platysternidae spp.
Testudinidae
Tortoises

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Softshell turtles

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CLASS AMPHIBIA
ANURA
Bufonidae
Toads

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<tr>
<td>474</td>
<td>Inciliusperiglenes</td>
</tr>
<tr>
<td>475</td>
<td>Nectophrynoides spp.</td>
</tr>
<tr>
<td>476</td>
<td>Nimbaphrynoides spp.</td>
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</tbody>
</table>

Telmatobiidae
Andean water frogs

<table>
<thead>
<tr>
<th></th>
<th>Scientific Name</th>
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<tbody>
<tr>
<td>477</td>
<td>Telmatobiusculeus</td>
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</table>

CAUDATA
Cryptobranchidae
Giant salamanders

<table>
<thead>
<tr>
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<th>Scientific Name</th>
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<tbody>
<tr>
<td>478</td>
<td>Andrias spp.</td>
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</tbody>
</table>

Salamandridae
Newts and salamanders

<table>
<thead>
<tr>
<th></th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>479</td>
<td>Neurerguskaiser</td>
</tr>
</tbody>
</table>

CLASS ELASMOBRANCHII
(SHARKS)
PRISTIFORMES
Pristidae
Sawfishes

480 Pristidae spp.

CLASS ACTINOPTERI (FISHES)
ACIPENSIIFORMES
Acipenseridae
Sturgeons

481 Acipenser brevirostrum
482 Acipenser sturio

CYPRINIFORMES
Catostomidae
Cui-ui

483 Chasmistes cujus

Cyprinidae
Carps

484 Probarbus jullieni

OSTEGLOSSIFORMES
Osteoglossidae
Bonytongue

485 Scleropages formosus
486 Scleropages inscriptus

PERCIFORMES
Sciaenidae
Totoaba

487 Totoaba macdonaldi

SILURIFORMES
Pangasiidae
Pangasid catfish

488 Pangasianodon gigas

CLASS COELACANTHI
(COELACANTHS)
COELACANTHIFORMES
Latimeriidae
Coelacanths

489 Latimeria spp.

PHYLUM ARTHROPODA
CLASS INSECTA (INSECTS)
LEPIDOPTERA
Papilionidae
Birdwing butterflies, swallowtail butterflies

490 Achillides chika echikae
491 Achillides chika ehermeli
492 Ornithoptera alexandrae
493 Papilio homerus
494 Parides burchelliana
PHYLUM MOLLUSCA
CLASS BIVALVIA (CLAMS AND MUSSELS)
UNIONOIDA
Unionidae Freshwater mussels, pearly mussels

<table>
<thead>
<tr>
<th></th>
<th>Species</th>
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<tbody>
<tr>
<td>495</td>
<td>Conradillacaelata</td>
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<tr>
<td>496</td>
<td>Dromus dromas</td>
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<td>497</td>
<td>Epioblasmacurtisii</td>
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<tr>
<td>498</td>
<td>Epioblasma florentina</td>
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<td>499</td>
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<td>500</td>
<td>Epioblasmasulcata perobliqua</td>
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<td>501</td>
<td>Epioblasmatorulosa gubernaculum</td>
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<td>502</td>
<td>Epioblasmatorulosatorulosa</td>
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<td>503</td>
<td>Epioblasmaturgidula</td>
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<td>Epioblasmawalkeri</td>
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<td>Fusconaia acuneolus</td>
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<td>Fusconaia edgaria</td>
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<td>507</td>
<td>Lampsilis higginsi</td>
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<td>Lampsilis orbiculata orbiculata</td>
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<td>Lampsilissatur</td>
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<td>Lampsilis virescens</td>
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<td>511</td>
<td>Plethobasus cicatricosus</td>
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<td>Plethobasus cooperianus</td>
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<td>Pleurobema plenum</td>
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<td>Quadrula intermedia</td>
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<td>Quadrula parvula</td>
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<td>517</td>
<td>Toxolasma cylindrella</td>
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<td>518</td>
<td>Unio nickliniana</td>
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<tr>
<td>519</td>
<td>Unio tampicoensis tecomatensis</td>
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<td>520</td>
<td>Villosatrabalis</td>
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CLASS GASTROPODA (SNAILS AND CONCHES)
STYLOMMATOPHORA
Achatinellidae
Agate snails, oahu tree snails

<table>
<thead>
<tr>
<th></th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>521</td>
<td>Achatinella spp.</td>
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<tr>
<td></td>
<td>Cepolidae</td>
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<tr>
<td></td>
<td>Helicoid terrestrial snails</td>
</tr>
<tr>
<td>522</td>
<td>Polymita spp.</td>
</tr>
</tbody>
</table>

FLORA (PLANTS)
AGAVACEAE
AGAVES
76

523 Agave parviflora

APOCYNACEAE
ELEPHANT’TRUNKS, HOODIAS

524 Pachypodiumambongense
525 Pachypodiumbaronii
526 Pachypodiumdecaryi

ARAUCARIACEAE
MONKEY-PUZZLE TREES

527 Araucaria araucana

CACTACEAE
CACTI

528 Ariocarpus spp.
529 Astrophytum asterias
530 Aztekiumritteri
531 Coryphanthawerdermannii
532 Discocactus spp.
533 Echinocereusferreiranus ssp. lindsayorum
534 Echinocereusschmollii
535 Escobaria minima
536 Escobariasneedii
537 Mammillaria pectinifera (Includes ssp. Solisioides)
538 Melocactusconoideus
539 Melocactusdeinacanthus
540 Melocactusglaucescens
541 Melocactuspaucispinus
542 Obregoniadenegrii
543 Pachycereusmilitaris
544 Pediocactusbradyi
545 Pediocactusknowltonii
546 Pediocactusparadinei
547 Pediocactusspeeblesianus
548 Pediocactussileri
549 Pelecyphora spp.
550 Sclerocactusblainei
551 Sclerocactusbrevihamatus ssp. tobuschii
552 Sclerocactusbrevispinus
553 Sclerocactuscloverae
554 Sclerocactuserectocentrus
555 Sclerocactusglaucus
556 Sclerocactusmariposensis
557 Sclerocactusmesae-verdae
558 Sclerocactussyensis
559 Sclerocactuspapyracanthus
560 Sclerocactuspubispinus
561 Sclerocactusverteri
Sclerocactuswetlandicus
Sclerocactuswrightiae
Strombocactus spp.
Turbinicarpus spp.
Uebelmannia spp.

COMPOSITAE
(ASTERACEAE) KUTH

Sauussureacostus

CUPRESSACEAE
ALERCE, CYPRESSES

Fitzroyacupressoides
Pilgerodendronuviferum

CYCADACEAE
CYCADS

Cycas beddomei

EUPHORBIACEAE
SPURGES

Euphorbia ambovombensis
Euphorbia capsaintemariensis
Euphorbia cremersii (Includes the forma viridifolia and the variety rakotozafyi.)
Euphorbia cylindrifolia (Includes the subspecies tuberifera.)
Euphorbia decaryi (Includes the varieties ampanihyensis, robinsonii and spirosticha.)
Euphorbia francoisii
Euphorbia moratii (Includes the varieties antsingiensis, bemarahensis and multiflora.)
Euphorbia parvicyathophora
Euphorbia quartziticola
Euphorbia tulearensis

FOUQUIERIACEAE
OCOTILLOS

Fouquieria fasciculata
Fouquieria purpusii

LEGUMINOSAE
(FABACEAE) AFRORMOSIA,
CRISTOBAL, PALISANDER,
ROSEWOOD, SANDALWOOD

Dalbergia nigra

LILIACEAE
ALOES

Aloe albida
Aloe albiflora
Aloe alfredii
Aloe bakeri
Aloe bellatula
Aloe calciairophila
Aloe compressa (Includes the varieties
paucituberculata, rugosquamosa and schistophila.)

Aloe delphinensis
Aloe descoingsii
Aloe fragilis
Aloe haworthioides (Includes the variety aurantiaca.)
Aloe helenae
Aloe laeta (Includes the variety maniaensis.)
Aloe parallelifolia
Aloe parvula
Aloe pillansii
Aloe polyphylla
Aloe rauhii
Aloe suzannae
Aloe versicolor
Aloe vossii

NEPENTHACEAE
PITCHER-PLANTS (OLD WORLD)

Nepenthes khasiana
Nepenthes rajah

ORCHIDACEAE
ORCHIDS

For all of the following Appendix I species, seedling or tissue cultures obtained in vitro, in solid or liquid media, and transported in sterile containers are not subject to the provisions of the Convention only if the specimens meet the definition of ‘artificially propagated’ agreed by the Conference of the Parties

Aerangisellisii
Cattleya jongheana
Cattleya lobata
Dendrobium cruentum
Mexipediumxerophyticum
Paphiopedilum spp.
Peristeriaelata
Phragmipedium spp.
Renanthera imschootiana

PALMAE (ARECACEAE) PALMS

Dypsis decipiens

PINACEAE
FIRS AND PINES

Abies guatemalensis

PODOCARPACEAE
PODOCARPS

Podocarpus parlatorei
Rubiaceae
Ayugue
620 Balmeastormiae

Sarraceniaceae
Pitcher-Plants
(New World)
621 Sarracenia oreophila
622 Sarracenia rubra ssp. alabamensis
623 Sarracenia rubra ssp. jonesii

Stangeriaceae
Stangerias
624 Stangeriaeriopus

Zamiaceae
Cycads
625 Ceratozamia spp.
626 Encephalartos spp.
627 Microcycas calocoma
628 Zamia restrepoi

APPENDIX II

Fauna (Animals)
Phylum Chordata
Class
Mammalia (Mammals)
Bovidae
Antelopes, cattle,
duikers, gazelles,
goats, sheep, etc.

1 Ammotragus lervia
2 Budorcastaxiscolor
3 Capra caucasica
4 Cephalophus brookei
5 Cephalophus dorsalis
6 Cephalophus ogilbyi
7 Cephalophus silvestriculos
8 Cephalophus zebra
9 Damaliscus pygargus pygargus
10 Kobus leche
11 Ovis ammon
12 Ovis arabica
13 Ovis bochariensis
14 Ovis canadensis (Only the population of Mexico; no
other population is included in the Appendices.)
15 Ovis collium
16 Ovis cycloceros
17 Ovis darwini
Ovis jubata
Ovis karelini
Ovis polii
Ovis punjabiensis
Ovis severtzovi
Philantombamonticola
Rupicapra pyrenaicaornata
Saiga borealis (A zero export quota for wild specimens traded for commercial purposes)
Saiga tatarica (A zero export quota for wild specimens traded for commercial purposes)

Camelidae
Camels, guanacos, vicunas

Lama guanicoe
Vicugna vicugna [Only the populations of Argentina (the populations of the Provinces of Jujuy, Catamarca and Salta, and the semi-captive populations in the Provinces of Jujuy, Salta, Catamarca, La Rioja and San Juan), Chile (populations of the region of Tarapacá and of the region of Arica and Parinacota), Ecuador (the whole population), Peru (the whole population) and the Plurinational State of Bolivia (the whole population); all other populations are included in Appendix I]

Cervidae
Deer, huemuls, muntjacs, pudus

Cervus elaphus bactrianus
Pudumephistophiles

Giraffidae
Giraffes

Giraffa camelopardalis

Hippopotamidae
Hippopotamuses

Hexaprotodoniberiensis
Hippopotamus amphibius

Moschidae
Musk deer

Moschus spp. (Except the populations of Afghanistan, Bhutan, India, Myanmar, Nepal and Pakistan, which are included in Appendix I.)

Tayassuidae
Peccaries

Tayassuidae spp. (Except the species included in Appendix I and the populations of Pecari tajacu of Mexico and the United States of America, which are not included in the Appendices)

CARNIVORA
Canidae
Dogs, foxes, wolves
Canis lupus (Except the populations of Bhutan, India, Nepal and Pakistan, which are included in Appendix I. Excludes the domesticated form and the dingo which are referenced as Canis lupus familiaris and Canis lupus dingo, respectively, which are not subject to the provisions of the Convention)

Cerdocyon thous

Chrysocyon brachyurus

Cuonalpinus

Lycalopex culpaeus

Lycalopex fulvipes

Lycalopex griseus

Lycalopex gymnocercus

Vulpes cana

Vulpes zerda

Eupleridae

Fossa, falanouc, Malagasy civets

Cryptoprocta ferox

Eupleres goudoti

Fossa fossana

Felidae

Cats

Felidae spp. [Except the species included in Appendix I. Excludes specimens of the domesticated form, which are not subject to the provisions of the Convention. For Panthera leo (African populations): a zero annual export quota is established for specimens of bones, bone pieces, bone products, claws, skeletons, skulls and teeth removed from the wild and traded for commercial purposes. Annual export quotas for trade in bones, bone pieces, bone products, claws, skeletons, skulls and teeth for commercial purposes, derived from captive breeding operations in South Africa, will be established and communicated annually to the CITES Secretariat.]

Mephitidae

Skunks

Conepatus humboldtii

Lutrinae

Otters
Lutrinae spp. (Except the species included in Appendix I)

Otariidae
Fur seals, sealions

Arctocephalus spp. (Except the species included in Appendix I)

Phocidae
Seals

Mirounga leonina

Ursidae
Bears, giant pandas

Ursidae spp. (Except the species included in Appendix I)

Viverridae
Binturong, civets, linsangs, otter-civet, palm civets

Cynogalebennettii

Hemigalusderbyanus

Prionodon linsang

CETACEA
Dolphins, porpoises, whales

CETACEA SPP. (EXCEPT FOR THE SPECIES INCLUDED IN APPENDIX I. A ZERO ANNUAL EXPORT QUOTA HAS BEEN ESTABLISHED FOR LIVE SPECIMENS FROM THE BLACK SEA POPULATION OF TURSIOPS TRUNCATUS REMOVED FROM THE WILD AND TRADED FOR PRIMARILY COMMERCIAL PURPOSES.)

CHIROPTERA
Pteropodidae
Fruit bats, flying foxes

Acerodon spp. (Except the species included in Appendix I)

Pteropus spp. (Except the species included in Appendix I)

CINGULATA
Dasypodidae
Armadillos

Chaetophractusnationi (A zero annual export quota has been established. All specimens shall be deemed to be specimens of species included in Appendix I and the trade in them shall be regulated accordingly.)

DIPROTODONTIA
Macropodidae
Kangaroos, wallabies

Dendrolagus inustus

Dendrolagus ursinus

Phalangeridae
Cuscuses

Phalanger intercastellanus

Phalanger mimicus
Phalanger orientalis
Spilocuscus kraemerii
Spilocuscus maculatus
Spilocuscus papuensis

MONOTREMATA
Tachyglossidae
Echidnas, spiny anteaters

Zaglossus spp.

PERISSODACTYLA
Equidae
Horses, wild asses, zebras

Equus hemionus (Except the species included in Appendix I)
Equus kiang
Equus zebra hartmannae
Equus zebra zebra

Rhinocerotidae
Rhinoceroses

Ceratotherium simum (Only the populations of Eswatini and South Africa; all other populations are included in Appendix I. For the exclusive purpose of allowing international trade in live animals to appropriate and acceptable destinations and hunting trophies. All other specimens shall be deemed to be specimens of species included in Appendix I and the trade in them shall be regulated accordingly.)

Tapiridae
Tapirs

Tapirus terrestris

PHOLIDOTA
Manidae
Pangolins

Manis spp. (Except the species included in Appendix I)

PILOSA
Bradyopodidae
Three-toed sloths

Bradypus pygmaeus
Bradypus variegatus

Myrmecophagidae
American anteaters

Myrmecophaga tridactyla

PRIMATES
Apes, monkeys

PRIMATES SPP. (EXCEPT THE SPECIES INCLUDED IN APPENDIX I)

PROBOSCIDEA
Elephantidae
Elephants

Loxodonta africana (Only the populations of Botswana,
Namibia, South Africa and Zimbabwe; all other populations are included in Appendix I)

**RODENTIA**

Muridae
Mice, rats

- **Leporillus conditor**
- **Pseudomys fieldii**
- **Xeromys myoides**
- **Zyzomys pedunculatus**

**Sciuridae**
Ground squirrels, tree squirrels

- **Ratufa** spp.

**SCANDENTIA**
Tree shrews

- **SCANDENTIA SPP.**

**CLASS AVES**

**ANSERIFORMES**

Anatidae
Ducks, geese, swans, etc.

- **Anas bernieri**
- **Anas formosa**
- **Branta ruficollis**
- **Coscoroba coscoroba**
- **Cygnus melancoryphus**
- **Dendrocygna arborea**
- **Oxyura leucocephala**
- **Sarkidiornis melanotos**

**APODIFORMES**

Trochilidae
Hummingbirds

- **Trochilidae** spp. (Except the species included in Appendix I)

**CICONIIFORMES**

Balaenicipitidae
Shoebills, whale-headed storks

- **Balaeniceps rex**
- **Ciconiidae**
Storks

- **Ciconia nigra**
- **Phoenicopteridae**
Flamingos

- **Phoenicopteridae** spp.
- **Threskiornithidae**
Ibises, spoonbills

- **Eudocimus ruber**
- **Geronticus calvus**
Platalea leucorodia

Columbidae
Doves, pigeons

Gallicolumba luzonica

Goura spp.

Bucerotidae
Hornbills

Aceros spp. (Except the species included in Appendix I)

Anorrhinus spp.

Anthracoceros spp.

Berenicornis spp.

Buceros spp. (Except the species included in Appendix I)

Penelopides spp.

Rhyticeros spp. (Except the species included in Appendix I)

Musophagidae
Turacos

Tauraco spp.

Eagles, falcons, hawks, vultures

FALCONIFORMES SPP. (EXCEPT CARACARA LUTOSA AND THE SPECIES OF THE FAMILY CATHARTIDAE, WHICH ARE NOT INCLUDED IN THE APPENDICES; AND THE SPECIES INCLUDED IN APPENDICES I AND III)

Argusianus argus

Gallus sonneratii

Ithaginis cruentus

Pavomaticus

Polypelectronbicalcaratum

Polypelectrongermaini

Polypelectronmalacense

Polypelectronschleiermacheri

Syrmaticusreesvesii

Tympanuchus cupidoattwateri

Gruiformes
Gruidae
Cranes

Gruidae spp. (Except the species included in Appendix I)

Otididae
Bustards
Otidae spp. (Except the species included in Appendix I)

PASSERIFORMES
Cotingidae
Cotingas

Rupicola spp.

Emberizidae
Cardinals, tanagers

Gubernatrix cristata
Paroaria capitata
Paroariacoronata
Tangarafastuosa

Estrildidae
Mannikins, waxbills

Amandavaformosa
Lonchuraoryzivora
Poephila cinctacincta

Fringillidae
Finches

Carduelis yarrellii

Meliphagidae
Honeyeaters

Lichenostomusmelanopscassidix

Musicapidae
Old-world flycatchers

Cyornisruckii
Dasyornisbroadbentilitoralis
Dasyornislongirostris
Garrulaxcanorus
Garrulaxtaewanus
Leiothrixargentauris
Leiothrix lutea
Liocichlaomeiensis

Paradiseaeidae
Birds of paradise

Paradiseaeidae spp.

Pittaeidae
Paridae
Tits

Pittas

Pitta guajana
Pitta nympha

Pycnonotidae
Pycnonotuszeylanicus

Bulbuls

Sturnidae
Mynas, starlings

Gracula religiosa
Ramphastidae
Toucans

152  Pteroglossus aracari
153  Pteroglossus viridis
154  Ramphastosulfuratus
155  Ramphastos toco
156  Ramphastostucanus
157  Ramphastosvitellinus

PSITTACIFORMES

158  PSITTACIFORMES SPP. (EXCEPT FOR THE SPECIES INCLUDED IN APPENDIX I AND AGAPORNIS ROSEICOLLIS, MELOPSITTACUS UNDULATUS, NYMPHICUS HOLLANDICUS AND PSITTACULA KRAMERI, WHICH ARE NOT INCLUDED IN THE APPENDICES.)

RHEIFORMES
Rheidae
Rheas

159  Pterocnemia pennata pennata
160  Rhea americana

SPHENISCIFORMES
Spheniscidae
Penguins

161  Spheniscus demersus

STRIGIFORMES
Owls

162  STRIGIFORMES SPP. (EXCEPT SCELOGLAUX ALBIFACIES AND THE SPECIES INCLUDED IN APPENDIX I)

CLASS
REPTILIA
CROCODYLIA
Alligators, caimans, crocodiles

163  CROCODYLIA SPP. (EXCEPT THE SPECIES INCLUDED IN APPENDIX I)

SAURIA
Agamidae
Spiny-tailed lizards, agamas

164  Ceratophora aspera (Zero export quota for wild specimens for commercial purposes)
165  Ceratophorastoddartii (Zero export quota for wild specimens for commercial purposes)
166  Lyriocephalus scutatus (Zero export quota for wild specimens for commercial purposes)
167  Saara spp.
168  Uromastyx spp.

Anguidae
Alligator lizards
Abronia spp. (Except the species included in Appendix I. Zero export quota for wild specimens for Abronia aurita, A. gaiophantasma, A. montecristoi, A. salvadorensis and A. vasconcelosii.)

Chamaeleonidae
Chameleons

Archaius spp.
Bradypodion spp.
Brookesia spp. (Except the species included in Appendix I)
Calumma spp.
Chamaeleo spp.
Furcifer spp.
Kinyongia spp.
Nadzikambia spp.
Palleon spp.
Rhampholeon spp.
Rieppeleon spp.
Trioceros spp.

Cordylidae
Spiny-tailed lizards

Cordylus spp.
Hemicordylus spp.
Karasaurus spp.
Namazonurus spp.
Ninurta spp.
Ouroborus spp.
Pseudocordylus spp.
Smaug spp.

Eublepharidae
Eyelid geckos

Goniurosaurus spp. (Except the species native to Japan)

Gekkonidae
Geckos

Gekko gecko
Nactusserpensisinsula
Naultinus spp.
Paroeduraandroyensis
Paroeduramasobe
Phelsuma spp.
Rhoptropella spp.
Uroplatus spp.

Helodermatidae
Beaded lizards, Gila monsters

Heloderma spp. (Except the subspecies included in Appendix I)
Iguanidae
Iguanas
200  Amblyrhynchus cristatus
201  Conolophus spp.
202  Ctenosaura spp.
203  Iguana spp.
204  Phrynosoma blainvillii
205  Phrynosoma cerroense
206  Phrynosoma coronatum
207  Phrynosoma wigginsi

Lacertidae
Lizards
208  Podarcis lilfordi
209  Podarcis pityusensis

Lanthanotidae
Earless monitor lizards
210  Lanthanotidae spp. (Zero export quota for wild specimens for commercial purposes.)

Polychrotidae
Anoles
Scincidae
Skinks
211  Corucia zebrata

Teiidae
Caiman lizards, tegu lizards
212  Crocodilurus amazonicus
213  Dracaena spp.
214  Salvator spp.
215  Tupinambis spp.

Varanidae
Monitor lizards
216  Varanus spp. (Except the species included in Appendix I)

SERPENTES
Boidae
Boas
217  Boidae spp. (Except the species included in Appendix I)

Bolyeriidae
Round Island boas
218  Bolyeriidae spp. (Except the species included in Appendix I)

Colubridae
Typical snakes, water snakes, whipsnakes
219  Clelia clelia
Cyclagras gigas
Elachistodon westermanni
Ptyasmucosus

Elapidae
Cobras, coral snakes

Hoplocephalusbungaroides
Najaatra
Najakaouthia
Najamandalayensis
Najanaja
Najaoxiana
Najaphilippinensis
Najasagittifera
Najasamarensis
Najasiamensis
Najasputatrix
Najasmatrana

Ophiophagus hannah

Loxocemidae
Mexican dwarf boas

Loxocemidae spp.

Pythonidae
Pythons

Pythonidae spp. (Except the species included in Appendix I)

Tropidophiidae
Wood boas

Tropidophiidae spp.

Viperidae
Vipers

Atheris desaixi
Bitis worthingtoni
Pseudocerastes surarachnoides
Trimeresurus mangshanensis
Viperawagneri

TESTUDINES
Carettochelyidae
Pig-nosed turtles

Carettochelysisculpta

Chelidae
Austro-American sideneck turtles

Chelodina mccordi (Zero export quota for specimens from the wild.)

Dermatemysidae
Central American river turtles

Dermatemysmawii
<table>
<thead>
<tr>
<th>Emydidae</th>
<th>Box turtles, freshwater turtles</th>
</tr>
</thead>
<tbody>
<tr>
<td>247</td>
<td><em>Clemmys guttata</em></td>
</tr>
<tr>
<td>248</td>
<td><em>Emydoidea blandingii</em></td>
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<tr>
<td>249</td>
<td><em>Glyptemys insculpta</em></td>
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<tr>
<td>250</td>
<td><em>Malaclemys terrapin</em></td>
</tr>
<tr>
<td>251</td>
<td><em>Terrapene</em> spp. (Except the species included in Appendix I)</td>
</tr>
<tr>
<td>Geoemydidae</td>
<td>Box turtles, freshwater turtles</td>
</tr>
<tr>
<td>252</td>
<td><em>Batagur borneoensis</em> (Zero quota for wild specimens for commercial purposes.)</td>
</tr>
<tr>
<td>253</td>
<td><em>Batagurdhongoka</em></td>
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<tr>
<td>254</td>
<td><em>Batagur kachuga</em></td>
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<tr>
<td>255</td>
<td><em>Batagur trivittata</em> (Zero quota for wild specimens for commercial purposes.)</td>
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<tr>
<td>256</td>
<td>Cuora spp. (Except the species included in Appendix I; zero quota for wild specimens for commercial purposes for Cuora aurocapitata, C. flavomarginata, C. galbinifrons, C. mccordi, C. mouhotii, C. pani, C. trifasciata, C. yunnanensis and C. zhoui.)</td>
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<tr>
<td>257</td>
<td><em>Cylemys</em> spp.</td>
</tr>
<tr>
<td>258</td>
<td><em>Geoemyda japonica</em></td>
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<tr>
<td>259</td>
<td><em>Geoemydaspengleri</em></td>
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<tr>
<td>260</td>
<td><em>Hardellathurjii</em></td>
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<tr>
<td>261</td>
<td><em>Heosemys annandalii</em> (Zero quota for wild specimens for commercial purposes.)</td>
</tr>
<tr>
<td>262</td>
<td><em>Heosemys depressa</em> (Zero quota for wild specimens for commercial purposes.)</td>
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<tr>
<td>263</td>
<td><em>Heosemys grandis</em></td>
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<td>264</td>
<td><em>Heosemys spinosa</em></td>
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<tr>
<td>265</td>
<td><em>Leucocephalonyuwonoi</em></td>
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<tr>
<td>266</td>
<td><em>Malayemys macrocephala</em></td>
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<tr>
<td>267</td>
<td><em>Malayemys subtrijuga</em></td>
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<tr>
<td>268</td>
<td><em>Mauremys japonica</em></td>
</tr>
<tr>
<td>269</td>
<td><em>Mauremys matica</em></td>
</tr>
<tr>
<td>270</td>
<td><em>Mauremys nigricans</em></td>
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<tr>
<td>271</td>
<td><em>Melanochelys trijuga</em></td>
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<tr>
<td>272</td>
<td><em>Moreniapetersi</em></td>
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<tr>
<td>273</td>
<td><em>Notochelys platynota</em></td>
</tr>
<tr>
<td>274</td>
<td><em>Orliiabornensis</em> (Zero quota for wild specimens for commercial purposes.)</td>
</tr>
<tr>
<td>275</td>
<td><em>Pangshura</em> spp. (Except the species included in Appendix I)</td>
</tr>
<tr>
<td>276</td>
<td><em>Sacaliabealei</em></td>
</tr>
</tbody>
</table>
Sacaliaquadriocellata
Siebenrockiellacrassicollis
Siebenrockiellaleyensis
Vijayachelyssilvatica

Podocnemididae
Afro-American sideneck turtles

Erymnochelysmadagascariensis
Peltocephalusdumerilianus
Podocnemis spp.

Testudinidae
Tortoises

Testudinidae spp. (Except for the species included in Appendix I. A zero annual export quota has been established for Centrochelyssulcata for specimens removed from the wild and traded for primarily commercial purposes.)

Podocnemis spp.

Trionychidae
Softshell turtles

Amydacartilaginea
Chitra spp. (Except the species included in Appendix I.)

Cyclanorbis elegans
Cyclanorbis senegalensis
Cyclodermaaubryi
Cyclodermafrenatum
Doganiasubplana
Lissemysceylonensis
Lissemypunctata
Lissemyscutata
Nilssoniaformosa
Nilssonialeithii
Paleasteindachneri
Pelochelys spp.
Pelodiscus saxenaria
Pelodiscusmaackii
Pelodiscusparviformis
Rafetuseuphraticus
Rafetusswinhoei
Trionyxtriunguis

CLASS AMPHIBIA
ANURA
Aromobatidae
Cryptic forest frogs

Allobatesfemoralis
Allobatesshodli
Allobatesmyersi
Allobates zaparo
Anomaloglossus rufulus
Dendrobatidae
Poison frogs
Adelphobates spp.
Ameerega spp.
Andinobates spp.
Dendrobates spp.
Epipedobates spp.
Excidobates spp.
Hyloxalus azureiventris
Minyobates spp.
Oophaga spp.
Phyllobates spp.
Ranitomeya spp.
Dicroglossidae
Frogs
Euphlyctis hexadactylus
Hoplobatrachus tigerinus
Hylidae
Tree frogs
Agalychnis spp.
Mantellidae
Mantella frogs
Mantella spp.
Microhylidae
Tomato frogs
Dyscophus antongili
Dyscophus guineti
Dyscophus insularis
Scaphiophryne boribory
Scaphiophryne bottlebei
Scaphiophryne marmorata
Scaphiophryne spinosa
Myobatrachidae
Gastric-brooding frogs
Rheobatrachus spp. (Except Rheobatrachus silus and Rheobatrachus vitellinus which are not included in the Appendices)
CAUDATA
Ambystomatidae
Axolotls, mole salamanders
Ambystoma dumerili
Ambystoma mexicanum
Salamandridae
Newts and salamanders
Echinotriton chinhaiensis
Echinotriton maxiquadratus
Paramesotriton spp.
Tylototriton spp.

**CLASS**
**ELASMOBRANCHII**
(SHARKS)
**CARCHARHINIFORMES**
Carcharhinidae
Requiem sharks

Carcharhinus falciformis
Carcharhinus longimanus

Sphyrnidae
Hammerhead sharks

Sphyrna lewini
Sphyrna mokarran
Sphyrna zygaena

**LAMNIFORMES**
Alopiidae
Thresher sharks

Alopias spp.

Cetorhinidae
Basking sharks

Cetorhinus maximus

Lamnidae
Mackerel sharks

Carcharodon carcharias
Isurus oxyrinchus
Isurus paucus
Lamna nasus

**MYLIOBATIFORMES**
Myliobatidae
Eagle and mobulid rays

Manta spp.
Mobula spp.

**ORECTOLOBIFORMES**
Rhincodontidae
Whale sharks

Rhincodon typus

**RHINOPRISTIFORMES**
Glaucostegidae
Guitarfishes

Glaucostegus spp.

Rhinidae
Wedgefishes

Rhinidae spp.

**CLASS**
**ACTINOPTERI** (FISHES)
**ACIPENSERIFORMES**
ACIPENSERIFORMES SPP. (EXCEPT THE SPECIES INCLUDED IN APPENDIX I)

ANGUILLIFORMES
Anguillidae
Freshwater eels

356
Anguilla anguilla

CYPRINIFORMES
Cyprinidae
Carps

OSTEOGLOSSIFORMES
Arapaimidae
Arapaimas

358
Arapaima gigas

PERCIFORMES
Labridae
Wrasses

359
Cheilinus undulatus

SYNGNATHIFORMES
Syngnathidae
Pipefishes, seahorses

360
Hippocampus spp.

CLASS
DIPNEUSTI (LUNGFIshES)
CERATODONTIFORMES
Neoceratodontidae
Australian lungfishes

361
Neoceratodus forsteri

PHYLUM
ECHINODERMATA
CLASS HOLOTHUROIDEA
(SEA CUCUMBERS)
HOLOTHURIIDAE
Holothuridae
Teatfishes, sea cucumbers

362
Holothuria fuscogilva

363
Holothuria nobilis

365
Holothuria whitmaei

PHYLUM
ARTHROPODA
CLASS ARACHNIDA
(SCORPIONS AND SPIDERS)
ARANEAE
Theraphosidae
Red-kneed tarantulas, tarantulas
Aphonopelma albiceps  
Aphonopelma pallidum  
Brachypelma spp.  
Poecilotheria spp.  

SCORPIONES  
Scorpionidae  
Scorpions  
Pandinus camerounensis  
Pandinus dictator  
Pandinus gambiensis  
Pandinus imperator  
Pandinus roeseli  

CLASS INSECTA  
(INSECTS)  
COLEOPTERA  
Scarabaeidae  
Scarab beetles  

Dynastes satanas  

LEPIDOPTERA  
Papilionidae  
Birdwing butterflies, swallowtail butterflies  
Atrophaneura japonica  
Atrophaneura pandiyana  
Bhutanitis spp.  
Ornithoptera spp. (Except the species included in Appendix I)  
Papilio hospiton  
Parnassius apollo  
Teinopalpus spp.  
Trogonoptera spp.  

Troides spp.  

PHYLUM ANNEILIDA  
CLASS HIRUDINOIDEA  
(LEECHES)  
ARHYNCHOBDELLIDA  
Hirudinidae  
Medicinal leeches  

Hirudomedicinalis  
Hirudoverbana  

PHYLUM MOLLUSCA  
CLASS BIVALVIA  
(CLAMS AND MUSSELS)  
MYTILOIDA  
Mytilidae  
Marine mussels  

Lithophagaliophaga  

UNIONOIDEA  
Unionidae
Freshwater mussels, pearly mussels

388 Cyprogenia aberti
389 Epioblasma torulosarangiana
390 Pleurobema clava

VENEROIDA
Tridacnidae
Giant clams

391 Tridacnidae spp.

CLASS
CEPHALOPODA
(SQUIDS, OCTOPUSES, CUTTLEFISH)
NAUTILIDA
Nautilidae
Chambered nautilus

392 Nautilidae spp.

CLASS GASTROPODA
(SNAILS AND CONCHES)
MESOGASTROPODA
Strombidae
True conchs

393 Strombus gigas

STYLOMMATOPHORA
Camaenidae
Green tree snails

394 Papustyla pulcherrima

PHYLUM CNIDARIA
CLASS ANTHOZOA
(CORALS AND SEA ANEMONES)
ANTIPATHARIA
Black corals

395 ANTIPATHARIA SPP.

HELIOPORACEA
Helioporidae
Blue corals

396 Helioporidae spp. (Includes only the species Helioporacoerulea. Fossils are not subject to the provisions of the Convention)

SCLERACTINIA
Stony corals

397 SCLERACTINIA SPP. (FOSSILS ARE NOT SUBJECT TO THE PROVISIONS OF THE CONVENTION)

STOLONIFERA
Tubiporidae
Organ-pipe corals

398 Tubiporidae spp. (Fossils are not subject to the provisions of the Convention)
CLASS HYDROZOA
(SEA FERNS, FIRE CORALS AND STINGING MEDUSAE)
MILLEPORINA
Milleporidae
Fire corals

399 Milleporidae spp. (Fossils are not subject to the provisions of the Convention)

STYLASTERINA
Stylasteridae
Lace corals

400 Stylasteridae spp. (Fossils are not subject to the provisions of the Convention)

FLORA (PLANTS)
AGAVACEAE
Agaves

401 Agave victoriae-reginae #4
402 Nolina interrata
403 Yucca queretaroensis

AMARYLLIDACEAE
Snowdrops, sternbergias

404 Galanthus spp. #4
405 Sternbergia spp. #4

ANACARDIACEAE
Cashews

406 Operculicarya decaryi
407 Operculicarya hyphaenoides
408 Operculicarya pachypus

APOCYNACEAE
Elephant trunks, hoodias

409 Hoodia spp. #9
410 Pachypodium spp. #4 (Except the species included in Appendix I)
411 Rauvolfia serpentina #2

ARALIACEAE
Ginseng

412 Panax ginseng #3 (Only the population of the Russian Federation; no other population is included in the Appendices.)
413 Panax quinquefolius #3

ASPARAGACEAE
Includes ponytail palms

414 Beaucarnea spp.

BERBERIDACEAE
May-apple

415 Podophyllum hexandrum #2

BROMELIACEAE
Air plants, bromelias
<table>
<thead>
<tr>
<th>Code</th>
<th>Species</th>
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<tbody>
<tr>
<td>416</td>
<td>Tillandsia harrisii #4</td>
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<td>417</td>
<td>Tillandsia kammmii #4</td>
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<tr>
<td>418</td>
<td>Tillandsia xerographica #4</td>
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<td></td>
<td><strong>CACTACEAE</strong></td>
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<tr>
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<td>Cacti</td>
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<td>419</td>
<td><strong>CACTACEAE SPP. 9 #4 (EXCEPT THE SPECIES INCLUDED IN APPENDIX I AND EXCEPT PERESKIA SPP., PERESKIOPSIS SPP. AND QUIABENTIA SPP)</strong></td>
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<tr>
<td></td>
<td><strong>CARYOCARACEAE</strong></td>
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<td>Ajo</td>
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<td>420</td>
<td>Caryocarcostaricense #4</td>
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<td><strong>CUCURBITACEAE</strong></td>
</tr>
<tr>
<td></td>
<td>Melons, gourds, cucurbits</td>
</tr>
<tr>
<td>421</td>
<td><em>Zygosicyospubescens</em></td>
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<tr>
<td>422</td>
<td><em>Zygosicyostripartitus</em></td>
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<td><strong>CUPRESSACEAE</strong></td>
</tr>
<tr>
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<td>Alerce, cypresses</td>
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<tr>
<td>423</td>
<td><em>Widdringtoniawhytei</em></td>
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<td><strong>CYATHEACEAE</strong></td>
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<td>Tree-ferns</td>
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<tr>
<td>424</td>
<td>Cyathea spp. #4</td>
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<td><strong>CYCADACEAE</strong></td>
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<td></td>
<td>Cycads</td>
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<td>425</td>
<td><strong>CYCADACEAE SPP. #4 (EXCEPT THE SPECIES INCLUDED IN APPENDIX I)</strong></td>
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<tr>
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<td><strong>DICKSONIACEAE</strong></td>
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<td></td>
<td>Tree-ferns</td>
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<td>426</td>
<td>Cibotium barometz #4</td>
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<tr>
<td>427</td>
<td>Dicksonia spp. #4 (Only the populations of the Americas; no other population is included in the Appendices)</td>
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<td><strong>DIDIEREACEAE</strong></td>
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<tr>
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<td>Alluaudias, didiereas</td>
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<td>428</td>
<td><strong>DIDIEREACEAE SPP. #4</strong></td>
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<tr>
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<td><strong>DIOSCOREACEAE</strong></td>
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<tr>
<td></td>
<td>Elephant’s foot, kniss</td>
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<td>429</td>
<td>Dioscoreadetoidea #4</td>
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<td><strong>DROSERACEAE</strong></td>
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<tr>
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<td>Venus’ flytrap</td>
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<td>430</td>
<td>Dionaea muscipula #4</td>
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<td><strong>EBENACEAE</strong></td>
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<td>Ebonies</td>
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<td>431</td>
<td><strong>EUPHORBIACEAE</strong></td>
</tr>
<tr>
<td></td>
<td>Spurges</td>
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</tbody>
</table>
| 432  | Euphorbia spp. #4 (Succulent species only except Euphorbia misera and the species included in Appendix I. Artificially propagated specimens of cultivars of Euphorbia trigona, artificially propagated specimens of crested, fanshaped or colour mutants of Euphorbia lactea, when grafted on artificially
propagated root stock of Euphorbia neriifolia, and artificially propagated specimens of cultivars of Euphorbia ‘Milii’ when they are traded in shipments of 100 or more plants and readily recognizable as artificially propagated specimens, are not subject to the provisions of the Convention.)

FOUQUIERIACEAE
Ocotillos
433  Fouquieria columnaris #4

JUGLANDACEAE
Gavilan
434  Oreomunneapterocarpa #4

LAURACEAE
Laurels
435  Anibarosaeodora #12

LEGUMINOSAE
(Fabaceae) Afrormosia, cristobal, palisander, rosewood, sandalwood
436  Dalbergia spp. #15 (Except for the species listed in Appendix I)
437  Guibourtidemeusei #15
438  Guibourtiapellegriniana #15
439  Guibourtiatessmannii #15
440  Paubrasiliaechinata #10
441  Pericopsiselata #17
442  Platymiscium parviflorum #4
443  Pterocarpus erinaceus
444  Pterocarpus santalinus #7
445  Pterocarpus tinctorius #6
446  Senna meridionalis

LILIACEAE
Aloes
447  Aloe spp. #4 (Except the species included in Appendix I. Also excludes Aloe vera, also referenced as Aloe barbadensis which is not included in the Appendices.)

MALVACEAE
Includes baobabs
448  Adansonia grandidieri #16

MELIACEAE
Mahoganies, West Indian cedar
449  Cedrela spp. #6 (Populations of the Neotropics)
450  Swietenia humilis #4
451  Swietenia macrophylla #6 (Populations of the Neotropics)
452  Swietenia mahagoni #5

NEPENTHACEAE
Pitcher-plants (Old World)
Nepenthes spp. #4 (Except the species included in Appendix I)

ORCHIDACEAE
Orchids

ORCHIDACEAE SPP. 10 #4 (EXCEPT FOR THE SPECIES INCLUDED IN APPENDIX I)

OROBANCHACEAE
Broomrapes

Cistanchedeserticola #4

PALMAE
(Arecaceae) Palms

Beccariophoenixmadagascariensis #4

Dypsisdecaryi #4

Lemurophoenixhalleuxii #4

Marojejyadarianii

Ravenealouvelii

Ravenearivularis

Satranaladecussilvae

Voanioala gerardii

PASSIFLORACEAE
Passion-flowers

Adeniafiringalavensis

Adeniaolaboensis

Adeniasubsessilifolia

PEDALIACEAE
Sesames

Uncarinagrandidieri

Uncarinastellulifera

PORTULACACEAE
Lewisias, portulacas, purslanes

Anacampseros spp. #4

Avonia spp. #4

Lewisia serrata #4

PRIMULACEAE
Cyclamens

Cyclamen spp. 11 #4

RANUNCULACEAE
Golden seals, yellow adonis, yellow root

Adonis vernalis #2

Hydrastis canadensis #8

ROSACEAE
African cherry, stinkwood

Prunus africana #4
Osyris lanceolata #2 (Populations of Burundi, Ethiopia, Kenya, Rwanda, Uganda and the United Republic of Tanzania.)

SARRACENIACEAE
Pitcher-plants
(New World)

Sarracenia spp. #4 (Except the species included in Appendix I)

SCROPHULARIACEAE
Kutki

Picrorhizakurrooa #2 (Excludes Picrorhizascrophulariiflora)

STANGERIACEAE
Stangerias

Bowenia spp. #4

TAXACEAE
Himalayan yew

Taxus chinensis #2 (Includes infraspecific taxa of this species)

Taxus cuspidata 12 #2 (Includes infraspecific taxa of this species)

Taxus fuana #2 (Includes infraspecific taxa of this species.)

Taxus sumatrana #2 (Includes infraspecific taxa of this species.)

Taxus wallichiana #2

THYMELAEACEAE
(Aquilariaceae)
Agarwood, ramin

Aquilaria spp. #14

Gonystylus spp. #4

Gyrinops spp. #14

VALERIANACEAE
Himalayan spikenard

Nardostachys grandiflora #2

VITACEAE
Grapes

Cyphostemmaelephantopus

Cyphostemmalaza

Cyphostemmamontagnacii

WELWITSCHIACEAE
Welwitschia

Welwitschia mirabilis #4

ZAMIACEAE
Cycads

ZAMIACEAE SPP. #4 (EXCEPT THE SPECIES INCLUDED IN APPENDIX I)

ZINGIBERACEAE
Ginger lily, Natal ginger

Hedychium philippinense #4

Siphonochilusaethiopicus #4 (Populations of Mozambique, South Africa, Eswatini and Zimbabwe.)

ZYGOPHYLLACEAE
Lignum-vitae

Bulnesiasarmientoi #11

Guaiacum spp. #2
APPENDIX III

FAUNA (ANIMALS)

PHYLUM CHORDATA

CLASS MAMMALIA

(MAMMALS)

ARTIODACTYLA

Bovidae

Antelopes, cattle, duikers, gazelles, goats, sheep, etc.

1. Antilope cervicapra (Nepal, Pakistan)
2. Boselaphustragocamelus (Pakistan)
3. Bubalus arnee (Excludes the domesticated form, which is referenced as Bubalus bubalis and is not subject to the provisions of the Convention.) (Nepal)
4. Capra hircus aegagrus (Specimens of the domesticated form are not subject to the provisions of the Convention.) (Pakistan)
5. Capra sibirica (Pakistan)
6. Gazella bennettii (Pakistan)
7. Gazella dorcas (Algeria, Tunisia)
8. Pseudoisnayaur (Pakistan)
9. Tetracerus quadricornis (Nepal)

Cervidae

Deer, huemuls, muntjacs, pudus

10. Axis porcinus (Except the subspecies included in Appendix I) (Pakistan)
11. Cervus elaphus barbarus (Algeria, Tunisia)
12. Mazama temamacerasina (Guatemala)
13. Odocoileus virginianus mayensis (Guatemala)

CARNIVORA

Canidae

Dogs, foxes, wolves

14. Canis aureus (India)
15. Vulpes bengalensis (India)
16. Vulpes vulpesgriffithi (India)
17. Vulpes vulpesmontana (India)
18. Vulpes vulpespusilla (India)

Herpestidae

Mongooses

19. Herpestesedwardsi (India, Pakistan)
20. Herpestesfuscus (India)
21. Herpestesjavanicus (Pakistan)
22. Herpestesjavanicusauropunctatus (India)
23. Herpestessmithii (India)
<table>
<thead>
<tr>
<th>Page</th>
<th>Family</th>
<th>Species</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>Hyaenidae</td>
<td><em>Herpestes urva</em> (India)</td>
<td></td>
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<td>25</td>
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<td><em>Herpestesvitticollis</em> (India)</td>
<td></td>
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<tr>
<td>26</td>
<td></td>
<td><em>Hyaena hyaena</em> (Pakistan)</td>
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<td>27</td>
<td></td>
<td><em>Proteles cristata</em> (Botswana)</td>
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<td>Mustelinae</td>
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<tr>
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<td>Aardwolf, hyenas</td>
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<tr>
<td>28</td>
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50  PILOSA  Cabassous tatouay (Uruguay)
     Myrmecophagidae
     American anteaters

51  RODENTIA  Tamandua mexicana (Guatemala)
     Chinchillidae
     Chinchillas
     Cuniculidae
     Pacas

52  Dasyproctidae  Cuniculus paca (Honduras)
     Agoutis

53  Erethizontidae  Dasyprocta punctata (Honduras)
     New-world porcupines

54  Sciuridae  Sphiggurus mexicanus (Honduras)
     Ground squirrels,
     tree squirrels

55  Sphiggurus spinosus (Uruguay)

56  Marmota caudata (India)

57  Marmota himalayana (India)

CLASS AVES
ANSERIFORMES  Dendrocygna autumnalis (Honduras)
     Anatidae
     Ducks, geese,
     swans, etc.

59  Dendrocygnabicolor (Honduras)

CHARADRIIFORMES  Burhinus bistriatus (Guatemala)
     Burhinidae
     Thick-knees

60  Columbiformes  Nesoenasmayeri (Mauritius)
     Columbidae
     Doves, pigeons

61  Falconiformes  Sarcoramphus papa (Honduras)
     Eagles, falcons, hawks,
     vultures
     Cathartidae
     New-world vultures

62  GALLIFORMES  Crax alberti (Colombia)
     Cracidae
     Chachalacas,
     currassows, guans

63  Crax daubentoni (Colombia)
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162 Xenochrophisschnurrenbergeri (India)
163 Xenochrophistyleri (India)

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165 Micrurus nigrocinctus (Honduras)
166 Micrurus ruatanus (Honduras)

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Vipers

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170 Macrochelystemminckii (United States of America)

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173 Mauremysiversoni (China)
174 Mauremysmegalophegala (China)
175 Mauremyspritchardi (China)
176 Mauremysreevesii (China)
177 Mauremys sinensis (China)
178 Ocdiaglyphistoma (China)
179 Ocdiaphilippeni (China)
180 Sacaliapseudocellata (China)

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181 Apalone ferox (United States of America)
182 Apalonemutica (United States of America)
183 Apalonespinifera (Except the subspecies included in Appendix I) (United States of America)

CLASS AMPHIBIA
ANURA
Calyptocephalellidae
Chilean toads
Caudata
Cryptobranchidae
Giant salamanders

Cryptobranchus alleganiensis (United States of America)
Hynobiidae
Asiatic salamanders

Hynobius amjiensis (China)
Salamandridae
Newts and salamanders

Echinotriton andersoni #18 (Japan)
Salamandra algira (Algeria)

Class Elasmobranchii (Sharks)
Myliobatiformes
Potamotrygonidae
Freshwater stingrays

Paratrygon aiareba (Colombia)
Potamotrygon spp. (Population of Brazil) (Brazil)
Potamotrygon constellata (Colombia)
Potamotrygon magdalenae (Colombia)
Potamotrygon motoro (Colombia)
Potamotrygon orbignyi (Colombia)
Potamotrygon schroederi (Colombia)
Potamotrygon scobina (Colombia)
Potamotrygon yepezi (Colombia)

Class Actinopteri (Fishes)
Siluriformes
Loricariidae
Armoured catfishes

Hypancistrus zebra (Brazil)

Phylum Echinodermata
Class Holothuroidea (Sea Cucumbers)
Aspidochirotida
Stichopodidae
Sea cucumbers

Isostichopus fuscus (Ecuador)

Phylum Arthropoda
Class Insecta (Insects)
Coleoptera
Lucanidae
Stag beetles

Colophon spp. (South Africa)

Lepidoptera
Nymphalidae
Brush-footed butterflies
Agriasamydonboliviensis (Plurinational State of Bolivia)
Morpho godartiilachaumei (Plurinational State of Bolivia)
Preponapraenestebuckleyana (Plurinational State of Bolivia)

PHYLUM CNIDARIA
CLASS ANTHOZOA (CORALS AND SEA ANEMONES)
GORGONACEA
Corallidae
Red and pink corals

Corallium elatius (China)
Corallium japonicum (China)
Corallium konjoi (China)
Corallium secundum (China)

FLORA (PLANTS)
FAGACEAE
Beeches
Quercus mongolica #5 (Russian Federation)
Gnetaceae
Gnetums
Gnetum montanum #1 (Nepal)

LEGUMINOSAE
(Fabaceae) Afrolmosia, 
cristoval, palisander, 
rosewood, sandalwood

Dipteryx panamensis (Costa Rica, Nicaragua)

MAGNOLIACEAE
Magnolias

Magnolia liliifera var. obovata #1 (Nepal)

OLEACEAE
Ashes, etc.

Fraxinus mandshurica #5 (Russian Federation)

PALMACEAE
(Arecaceae) Palms

Lodoicea maldivica #13 (Seychelles)

PAPAVERACEAE
Poppy

Meconopsis regia #1 (Nepal)

PINACEAE
Firs and pines

Pinus koraiensis #5 (Russian Federation)

PODOCARPACEAE
Podocarps

Podocarpus neriifolius #1 (Nepal)

TROCHODENDRACEAE
(Tetracentraceae) Tetracentron

Tetracentron sinense #1 (Nepal)

(I) For the exclusive purpose of allowing international trade in fibre from vicuñas
(Vicugna vicugna) and their derivative products, only if the fibre comes from the shearing of live vicuñas. Trade in products derived from the fibre may only take place in accordance with the following provisions:

(a) Any person or entity processing vicuña fibre to manufacture cloth and garments must request authorisation from the relevant authorities of the country of origin (Countries of origin: The countries where the species occurs, that is, Argentina, Bolivia, Chile, Ecuador and Peru) to use the “vicuña country of origin” wording, mark or logo adopted by the range States of the species that are signatories to the Convention for the Conservation and Management of the Vicuña.

(b) Marketed cloth or garments must be marked or identified in accordance with the following provisions:

(i) For international trade in cloth made from live-sheared vicuña fibre, whether the cloth was produced within or outside of the range States of the species, the wording, mark or logo must be used so that the country of origin can be identified. The VICUÑA [COUNTRY OF ORIGIN] wording, mark or logo has the format as detailed

![VICUÑA [PAÍS DE ORIGEN]](image)

This wording, mark or logo must appear on the reverse side of the cloth. In addition, the selvages of the cloth must bear the words VICUÑA [COUNTRY OF ORIGIN].

(ii) For international trade in garments made from live-sheared vicuña fibre, whether the garments were produced within or outside of the range States of the species, the wording, mark or logo indicated in paragraph (b) (i) must be used. This wording, mark or logo must appear on a label on the garment itself. If the garments are produced outside of the country of origin, the name of the country where the garment was produced should also be indicated, in addition to the wording, mark or logo referred to in paragraph (b) (i).

(c) For international trade in handicraft products made from live-sheared vicuña fibre produced within the range States of the species, the VICUÑA [COUNTRY OF ORIGIN] - ARTESANÍA wording, mark or logo must be used as detailed

![VICUÑA [PAÍS DE ORIGEN] - ARTESANÍA](image)

(d) If live-sheared vicuña fibre from various countries of origin is used for the production of cloth and garments, the wording, mark or logo of each of the countries of origin of the fibre must be indicated, as detailed in paragraphs (b) (i) and (ii).

(e) All other specimens shall be deemed to be specimens of species listed in Appendix I and the trade in them shall be regulated accordingly

(2) Populations of Botswana, Namibia, South Africa and Zimbabwe (listed in Appendix II):

For the exclusive purpose of allowing:

(a) trade in hunting trophies for non-commercial purposes;
(b) trade in live animals to appropriate and acceptable destinations, as defined in Resolution Conf. 11.20 (Rev. CoP18), for Botswana and Zimbabwe and for in situ conservation programmes for Namibia and South Africa;

(c) trade in hides;

(d) trade in hair;

(e) trade in leather goods for commercial or non-commercial purposes for Botswana, Namibia and South Africa and for non-commercial purposes for Zimbabwe;

(f) trade in individually marked and certified ekipas incorporated in finished jewellery for non-commercial purposes for Namibia and ivory carvings for non-commercial purposes for Zimbabwe;

(g) trade in registered raw ivory (for Botswana, Namibia, South Africa and Zimbabwe, whole tusks and pieces) subject to the following:

(i) only registered government-owned stocks, originating in the State (excluding seized ivory and ivory of unknown origin);

(ii) only to trading partners that have been verified by the Secretariat, in consultation with the Standing Committee, to have sufficient national legislation and domestic trade controls to ensure that the imported ivory will not be re-exported and will be managed in accordance with all requirements of Resolution Conf. 10.10 (Rev. CoP18) concerning domestic manufacturing and trade;

(iii) not before the Secretariat has verified the prospective importing countries and the registered government-owned stocks;

(iv) raw ivory pursuant to the conditional sale of registered government-owned ivory stocks agreed at CoP12, which are 20,000 kg (Botswana), 10,000 kg (Namibia) and 30,000 kg (South Africa);

(v) in addition to the quantities agreed at CoP12, government-owned ivory from Botswana, Namibia, South Africa and Zimbabwe registered by 31 January 2007 and verified by the Secretariat may be traded and despatched, with the ivory in paragraph (g) (iv) above, in a single sale per destination under strict supervision of the Secretariat;

(vi) the proceeds of the trade are used exclusively for elephant conservation and community conservation and development programmes within or adjacent to the elephant range; and

(vii) the additional quantities specified in paragraph (g) (v) above shall be traded only after the Standing Committee has agreed that the above conditions have been met; and

(h) no further proposals to allow trade in elephant ivory from populations already in Appendix II shall be submitted to the Conference of the Parties for the period from CoP14 and ending nine years from the date of the single sale of ivory that is to take place in accordance with provisions in paragraphs (g) (i), (g) (ii), (g) (iii), (g) (vi) and (g) (vii). In addition such further proposals shall be dealt with in accordance with Decisions 16.55 and 14.78 (Rev. CoP16).

On a proposal from the Secretariat, the Standing Committee can decide to cause this trade to cease partially or completely in the event of non-compliance by exporting or importing countries, or in the case of proven detrimental impacts of the trade on other elephant populations.

All other specimens shall be deemed to be specimens of species included in Appendix I and the trade in them shall be regulated accordingly.
Artificially propagated specimens of the following hybrids and/or cultivars are not subject to the provisions of the Convention:

- *Hatiora x graeseri*
- *Schlumbergera x buckleyi*
- *Schlumbergerarusselliana x Schlumbergeratruncata*
- *Schlumbergeraorssichiana x Schlumbergeratruncata*
- *Schlumbergeraopuntioides x Schlumbergeratruncata*
- *Schlumbergeratruncata* (cultivars)
- *Cactaceae* spp. colour mutants grafted on the following grafting stocks: *Harrisia 'Jusbertii', Hylocereustrigonus* or *Hylocereusundatus*
- *Opuntia microdasys* (cultivars).

Artificially propagated hybrids of the following genera are not subject to the provisions of the Convention, if conditions, as indicated under a) and b), are met: *Cymbidium, Dendrobium, Phalaenopsis* and *Vanda*:

(a) Specimens are readily recognizable as artificially propagated and do not show any signs of having been collected in the wild such as mechanical damage or strong dehydration resulting from collection, irregular growth and heterogeneous size and shape within a taxon and shipment, algae or other epiphyllous organisms adhering to leaves, or damage by insects or other pests; and

(b) (i) when shipped in non-flowering state, the specimens must be traded in shipments consisting of individual containers (such as cartons, boxes, crates or individual shelves of CC-containers) each containing 20 or more plants of the same hybrid; the plants within each container must exhibit a high degree of uniformity and healthiness; and the shipment must be accompanied by documentation, such as an invoice, which clearly states the number of plants of each hybrid; or

(ii) when shipped in flowering state, with at least one fully open flower per specimen, no minimum number of specimens per shipment is required but specimens must be professionally processed for commercial retail sale, e.g. labelled with printed labels or packaged with printed packages indicating the name of the hybrid and the country of final processing. This should be clearly visible and allow easy verification.

Plants not clearly qualifying for the exemption must be accompanied by appropriate CITES documents.

Artificially propagated specimens of cultivars of *Cyclamen persicum* are not subject to the provisions of the Convention. However, the exemption does not apply to such specimens traded as dormant tubers.

Artificially propagated hybrids and cultivars of *Taxus cuspidata*, live, in pots or other small containers, each consignment being accompanied by a label or document stating the name of the taxon or taxa and the text 'artificially propagated', are not subject to the provisions of the Convention.

All parts and derivatives, except:

(a) seeds, spores and pollen (including pollinia);
(b) seedling or tissue cultures obtained \emph{in vitro}, in solid or liquid media, transported in sterile containers;

(c) cut flowers of artificially propagated plants; and

(d) fruits, and parts and derivatives thereof, of artificially propagated plants of the genus \textit{Vanilla}.

\#2-
All parts and derivatives except:

(a) seeds and pollen; and

(b) finished products packaged and ready for retail trade.

\#3 -
Whole and sliced roots and parts of roots, excluding manufactured parts or derivatives, such as powders, pills, extracts, tonics, teas and confectionery.

\#4 -
All parts and derivatives, except:

(a) seeds (including seedpods of Orchidaceae), spores and pollen (including pollinia). The exemption does not apply to seeds from Cactaceae spp. exported from Mexico, and to seeds from \textit{Beccariophoenix madagascariensis} and \textit{Dypsisdecaryi} exported from Madagascar;

(b) seedling or tissue cultures obtained \emph{in vitro}, in solid or liquid media, transported in sterile containers;

(c) cut flowers of artificially propagated plants;

(d) fruits, and parts and derivatives thereof, of naturalized or artificially propagated plants of the genus \textit{Vanilla} (Orchidaceae) and of the family Cactaceae;

(e) stems, flowers, and parts and derivatives thereof, of naturalized or artificially propagated plants of the genera \textit{Opuntia} subgenus \textit{Opuntia} and \textit{Selenicereus} (Cactaceae); and

(f) finished products of \textit{Aloe ferox} and \textit{Euphorbia antisypilitica} packaged and ready for retail trade.

\#5 -
Logs, sawn wood and veneer sheets.

\#6 -
Logs, sawn wood, veneer sheets and plywood.

\#7 -
Logs, woodchips, powder and extracts.

\#8 -
Underground parts (i.e. roots, rhizomes): whole, parts and powdered.

\#9 -
All parts and derivatives except those bearing a label:

"Produced from \textit{Hoodia} spp. material obtained through controlled harvesting and production under the terms of an agreement with the relevant CITES Management Authority of [Botswana under agreement No. BW/xxxxxx] [Namibia under agreement No. NA/xxxxxx] [South Africa under agreement No. ZA/xxxxxx]."
#10 -

Designates logs, sawn wood and veneer sheets, including unfinished wood articles used for the fabrication of bows for stringed musical instruments.

#11 -

Logs, sawn wood, veneer sheets, plywood, powder and extracts. Finished products containing such extracts as ingredients, including fragrances, are not considered to be covered by this annotation.

#12 -

Logs, sawn wood, veneer sheets, plywood and extracts. Finished products containing such extracts as ingredients, including fragrances, are not considered to be covered by this annotation.

#13 -

The kernel (also known as 'endosperm', 'pulp' or 'copra') and any derivative thereof, except finished products packaged and ready for retail trade.

#14 -

All parts and derivatives except:

(a) seeds and pollen;
(b) seedling or tissue cultures obtained *in vitro*, in solid or liquid media, transported in sterile containers;
(c) fruits;
(d) leaves;
(e) exhausted agarwood powder, including compressed powder in all shapes; and
(f) finished products packaged and ready for retail trade, this exemption does not apply to wood chips, beads, prayer beads and carvings.

#15 -

All parts and derivatives, except:

(a) leaves, flowers, pollen, fruits, and seeds;
(b) finished products to a maximum weight of wood of the listed species of up to 10 kg per shipment;
(c) finished musical instruments, finished musical instrument parts and finished musical instrument accessories;
(d) parts and derivatives of *Dalbergia cochinchinensis*, which are covered by Annotation # 4;
(e) parts and derivatives of *Dalbergia* spp. originating and exported from Mexico, which are covered by Annotation # 6.

#16 -

Seeds, fruits and oils.

#17 -

Logs, sawn wood, veneer sheets, plywood and transformed wood.

#18 -

Excluding parts and derivatives, other than eggs.'
STATEMENT OF OBJECTS AND REASONS

The Wild Life (Protection) Act, 1972 (the Act) provides for the protection of wild animals, birds and plants and for matters connected therewith or ancillary or incidental with a view to ensuring the ecological and environmental security of the country.

2. India is a party to the Convention on International trade in Endangered Species of Wild Fauna and Flora (the Convention) which requires that appropriate measures are taken to enforce the provisions of the Convention. It is proposed to amend the Act to provide for the implementation of the Convention.

3. The Act broadly has two classes of animals, that is to say, (a) species listed in Schedule I and Part II of Schedule II; and (b) species listed in Part I of Schedule II, Schedule III, and Schedule IV, based on which their protections and penalties for contravention differ. Since, the Act essentially has only these two levels of protection for animals, the segregation of protected animals or species in four Schedule may not be appropriate and may cause confusion and be difficult for the public to understand. Therefore, it is proposed to rationalise and amend the Schedules.

4. Accordingly, the Wild Life (Protection) Amendment Bill 2021 proposes to amend the Wild Life (Protection) Act, 1972. The Bill, inter alia, proposes to—

(a) amend the preamble to the Act so as to include the aspects of "conservation" and "management" of wild life which are covered by the Act;
(b) rationalise and amend the Schedules to the Act for the purposes of clarity;
(c) insert a new Chapter VB in the Act for proper implementation of the provisions of the Convention in India;
(d) insert provisions to enable control of invasive alien species;
(e) insert a provision to allow the State Boards for Wild Life to constitute Standing Committees, etc.;
(f) make amendments for better management of protected areas;
(g) insert an explanation so as to provide that certain permitted activities such as, grazing or movement of livestock, bona fide use of drinking and household water by local communities, etc., shall be considered as non-prohibitive under section 29 of the Act;
(h) insert provisions for better care of seized live animals and disposal of seized wild life parts and products;
(i) insert a provision to allow for transfer or transport of live elephants by person having ownership certificates in accordance with conditions prescribed by the Central Government;
(j) insert a provision to enable the Central Government to call for information and issue directions for proper implementation of the Act; and
(k) make other consequential amendments in the Act.

5. The notes on clauses explain in detail various provisions contained in the Bill.

6. The Bill seeks to achieve the above objectives.

BHUPENDER YADAV.

New Delhi;
The 10th December, 2021.
Notes on clauses

Clause 1.—This clause relates to the short title and commencement of the proposed legislation.

Clause 2.—This clause seeks to amend the preamble of the Wild Life (Protection) Act, 1972 (hereinafter referred to as the principal Act). It proposes to include the aspects of "conservation" and "management" of wild life in the preamble in addition to the existing term "protection" since these broader actions are the need of the time and are to be provided for in the Act. Instead of using the terms wild animals, birds and plants separately, the term "wild life" is proposed to be included since as per the principal Act, wild animals include birds and wild life includes wild animals and plants.

Clause 3.—This clause seeks to amend section 2 of the principal Act which relates to definitions.

Clause 4.—This clause seeks to amend section 5A of the principal Act which relates to the constitution of the National Board for Wild Life. It proposes to replace the "Member, Planning Commission in-charge of Forests and Wild Life" with the "Member, NITI Aayog in-charge of Environment, Forest and Climate Change" as a member of the National Board since the Planning Commission has been replaced with NITI Aayog.

Clause 5.—This clause seeks to amend sub-section (3) of section 5B of the principal Act which relates to the Standing Committee of the National Board for Wild Life. It is proposed to provide that rules may be made to prescribe the terms and conditions of committees, sub-committees or study groups to be constituted by the National Board for proper discharge of functions assigned to it under the Act.

Clause 6.—This clause seeks to insert a new section 6A allowing the State Board for Wild Life to constitute a Standing Committee to exercise such powers and perform such duties as may be delegated to it by the Board. It provides for the membership of such Standing Committee to be the Vice-Chairperson, the Member-Secretary, and not more than ten members, to be nominated by the Vice-Chairperson, from amongst the members of the Board. It further provides for such Standing Committee to constitute committees, sub-committees or study groups as may be necessary.

Clause 7.—This clause seeks to substitute the words and figures "Schedules I, II, III and IV" with the words and figures "Schedules I and II" in section 9 which relates to prohibition on hunting. This is a consequential amendment in view of rationalisation of the Schedules to the principal Act.

Clause 8.—This clause seeks to omit the words and figures ", Schedule III, or Schedule IV," in clause (b) of sub-section (1) of section 11 which relates to hunting of wild animals to be permitted in certain cases. This is a consequential amendment in view of rationalisation of the Schedules to the principal Act.

Clause 9.—This clause seeks to amend section 24 of the principal Act which relates to acquisition of rights to substitute the reference to the Land Acquisition Act, 1894 (1 of 1894) with the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013 (30 of 2013) since the Land Acquisition Act, 1894 has been repealed.

Clause 10.—This clause seeks to amend section 25 of the principal Act which relates to acquisition proceedings to substitute references to Land Acquisition Act, 1894 (1 of 1894) (hereinafter referred to as the Act, 1894) with the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013 (30 of 2013) (hereinafter referred to as the Act, 2013) since the Land Acquisition Act, 1894 has been repealed.
It proposes, in sub-section (1) of section 25 of the principal Act, to—

(i) substitute the Act, 1894 with the Act, 2013 in clause (a);

(ii) substitute the reference to section 9 of the Act, 1894 with section 21 of the Act, 2013 in clauses (b) and (c);

(iii) substitute the references to section 18 and Part III of the Act, 1894 with section 64 and Chapter VIII respectively of the Act, 2013 in clause (d);

(iv) substitute the reference to the Court under the Act, 1894 with the Authority under the Act, 2013 in clause (e); and

(v) insert an Explanation to the effect that the expression 'Authority' shall mean the Land Acquisition, Rehabilitation, and Resettlement Authority established under section 51 of the Act, 2013.

Clause 11.—This clause seeks to amend section 28 of the principal Act which relates to grant of permit. It proposes to include film-making without making any change in the habitat or causing any adverse impact to the habitat or wildlife as one of the purposes for which permits may be granted to enter or reside in a sanctuary.

Clause 12.—This clause seeks to amend section 29 of the principal Act which relates to destruction, etc., in a sanctuary prohibited without a permit.

It proposes to substitute the reference to the State Board for Wild Life in the section with the National Board.

It further proposes to substitute the Explanation to section 29 of the principal Act so as to enhance the scope of the Explanation to exclude hunting of wild animals under a permit granted under section 11 or hunting without violating the conditions of a permit granted under section 12 or the exercise of any rights permitted to continue under clause (c) of sub-section (2) of section 24, and the bona fide use of drinking and household water by local communities from the scope of the prohibition in section 29.

Clause 13.—This clause seeks to amend section 33 of the principal Act which relates to control of sanctuaries. It proposes that the Chief Wild Life Warden shall control, manage and maintain all sanctuaries in accordance with the management plan prepared as per guidelines issued by the Central Government and in the case of sanctuaries falling in Scheduled Areas or areas where the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 is applicable, in accordance with the management plan prepared after due consultation with the concerned Gram Sabha. It further proposes to include Government lodges for commercial purposes within the purview of the proviso to clause (a) of section 33.

Clause 14.—This clause seeks to amend section 34 of the principal Act which relates to registration of certain persons in possession of arms. It seeks to insert a new sub-section (4) whereby no renewal of any arms licences shall be granted to any person residing within ten kilometres of a sanctuary except under the intimation to the Chief Wild Life Warden or the authorised officer.

Clause 15.—This clause seeks to amend section 35 of the principal Act which relates to declaration of National Parks. It proposes to extend section 18A of the principal Act which relates to protection to sanctuaries, which currently applies only to sanctuaries, to National Parks as well.

Clause 16.—This clause seeks to amend section 36D of the principal Act which relates to community reserve management committee. It proposes to change the representatives to be nominated to the committee by the Village Panchayat or Gram Sabha from "five" to "not less than five".

It further proposes to insert a new sub-section (2A) which provides that where a
community reserve is declared on private land under sub-section (1) of section 36C, the community reserve management committee shall consist of the owner of the land along with a representative of the State Forests or Wildlife Department under whose jurisdiction the community reserve is located.

Clause 17.—This clause seeks to amend section 38 of the principal Act which relates to power of the Central Government to declare areas as sanctuaries or National Parks. It proposes to amend section 38 so as to allow the Central Government to declare conservation reserves in areas leased or otherwise transferred to it by the State Government.

Clause 18.—This clause seeks to amend clause (a) of sub-section (2) of section 38L of the principal Act which relates to the constitution of the National Tiger Conservation Authority. It proposes to change the rank specified for the Member-Secretary of the National Tiger Conservation Authority from Inspector-General of Forests or an officer of equivalent rank to an officer not below the rank of Inspector-General of Forests.

Clause 19.—This clause seeks to insert a new section 38XA which provides that the provisions contained in Chapter IVB shall be in addition to, and not in derogation of, the provisions relating to the sanctuaries and National Parks (whether included and declared, or are in the process of being so declared) included in a tiger reserve under the principal Act.

Clause 20.—This clause seeks to amend the heading of Chapter IVC of the principal Act which relates to TIGER AND OTHER ENDANGERED SPECIES CRIME CONTROL BUREAU. It is proposed so as to change the name of the Chapter from "TIGER AND OTHER ENDANGERED SPECIES CRIME CONTROL BUREAU" to "WILD LIFE CONTROL BUREAU".

Clause 21.—This clause seeks to amend section 38Y of the principal Act which relates to the constitution of the Tiger and other Endangered Species Crime Control Bureau. It is proposed to amend the marginal heading and section so that the Bureau is referred to as the "Wild Life Crime Control Bureau". It is further proposed to change the reference from Additional Commissioner (Customs and Central Excise) to Additional Commissioner (Customs and Central Goods and Services Tax).

Clause 22.—This clause seeks to amend section 39 which relates to wild animals, etc., to be Government property.

It proposes to insert a new sub-section (4) to provide that where Government property is a live animal and it cannot be released to its natural habitat, the State Government shall ensure that it is housed and cared for by a recognised zoo or rescue centre.

It further proposes to insert a new sub-section (5) and proviso so as to enable the State Government or Central Government to dispose of animal articles, trophies or uncured trophies or meat derived from wild animals in the manner prescribed by the Central Government. The proviso to the sub-section provides that such disposal shall not include any commercial sale or auction and no certificate of ownership shall be issued.

Clause 23.—This clause seeks to amend section 40 of the principal Act which relates to declarations. It proposes to omit the words and figures "or Part II of Schedule II" from sub-sections (1), (2), (2A), and (4) of the principal Act. This is a consequential amendment proposed in view of rationalisation of the Schedules to the principal Act.

Clause 24.—This clause seeks to amend sub-section (1) of section 40A of the principal Act which relates to immunity in certain cases. It proposes to omit the words and figures "or Part II of Schedule II" from the sub-section. This is a consequential amendment proposed in view of rationalisation of the Schedules to the principal Act.

Clause 25.—This clause seeks to amend clause (b) of sub-section (1) of section 41 of the principal Act which relates to inquiry and preparation of inventories. It proposes to omit the words and figures "and Part II of Schedule II". This is a consequential amendment proposed in view of rationalisation of the Schedules to the principal Act.
Clause 26.—This clause seeks to insert a new section 42A in the principal Act wild to surrender of captive animals, animal articles, etc. The proposed section will allow persons with an ownership certificate to surrender any captive animal, animal article, trophy or uncured trophy, meat or ivory imported into India or an article made from such ivory to the Chief Wild Life Warden if they are not desirous of keeping it in their control, custody or possession. It provides that any such ownership certificate will stand cancelled and no compensation shall be payable for such surrender. It also provides that the surrendered animal, animal article, trophy, etc., shall be State Government property and the provisions of section 39 shall apply.

Clause 27.—This clause seeks to amend section 43 of the principal Act which relates to regulation of transfer of animal, etc. It proposes to insert a new sub-section (4) which provides that the section will not apply to transfer or transport of a live elephant by a person having a certificate of ownership where prior permission of the State Government has been obtained, and on fulfilment of such conditions as may be prescribed by the Central Government.

Clause 28.—This clause seeks to amend sub-clause (ii) of clause (b) of section 48 of the principal Act which relates to purchase of animal, etc., by licensee. It proposes to omit the words and figures "or Part II of Schedule II" from the sub-clause. This is a consequential amendment proposed in view of rationalisation of the Schedules to the principal Act.

Clause 29.—This clause seeks to amend section 49A of the principal Act which relates to definitions. It proposes to omit the words and figures "or Part II of Schedule II" from clause (a) and sub-clause (ii) of clause (c) of the section. This is a consequential amendment proposed in view of rationalisation of the Schedules to the principal Act.

Clause 30.—This clause seeks to insert a new Chapter VB in the principal Act for Regulation of International Trade in Endangered Species of Wild Fauna and Flora (hereinafter referred to as the Convention).

The proposed new section 49D seeks to inter alia, define the words and expressions for the purposes of the proposed new Chapter.

The proposed new section 49E provides for the designation of Management Authority by the Central Government. It provides that such Management Authority shall be an officer not below the rank of an Additional Director General of Forests and shall be responsible for issuance of permits and certificates for trade of scheduled specimens (i.e., specimens of species listed in Schedule IV), submission of reports, and shall perform such other functions as may be necessary to implement the provisions of the Convention. It enables the Central Government to appoint officers and employees to assist the Management Authority and for the Management Authority to delegate its powers with the approval of the Central Government to officers not below the rank of Assistant Inspector General of Forests.

The proposed new section 49F provides for the designation of institutes engaged in scientific research as Scientific Authorities by the Central Government. It provides that the Scientific Authority shall advise the Management Authority on matters referred to it. It provides that the Scientific Authority shall monitor and advise on trade of species listed in Appendix II of Schedule IV so as to maintain such species throughout their range at a level consistent with their role in the ecosystems in which they occur.

The proposed new section 49G provides that the Management Authority and the Scientific Authority, while performing their duties and exercising powers, shall be subject to such general or special directions, as the Central Government may, from time to time, give.

The proposed new section 49H provides that no person shall engage in trade of scheduled specimens except as provided for under Chapter VB. It further provides that the Central Government shall prescribe by rules the conditions and procedures by which the exemptions provided in Article VII of the Convention may be availed. It also provides that every person engaging in trade of scheduled specimens shall report the details to the Management Authority or authorised officer in the manner prescribed. It also provides that
every person engaging in trade of scheduled specimen shall present it for clearance to the Management Authority or authorised officer or customs officer only at the ports of exit and entry as may be specified by the Central Government.

The proposed new section 49-I provides the conditions for export of scheduled specimen. It further provides for the permits or certificates that are required to be granted and presented for export of species listed in each Appendix of Schedule IV and the conditions to be satisfied for issue of export permits.

The proposed new section 49J provides the conditions for import of scheduled specimen. It further provides for the permits or certificates that are required to be granted and presented for import of species listed in each Appendix of Schedule IV and the conditions to be satisfied for issue of import permits.

The proposed new section 49K provides the conditions for re-export of scheduled specimen. It further provides for certificates that are required to be granted and presented for re-export of species listed in each Appendix of Schedule IV and the conditions to be satisfied for issue of re-export certificates.

The proposed new section 49L provides the conditions for introduction from the sea of scheduled specimen. It further provides that introduction from the sea of species listed in Appendix I and II of Schedule IV requires the prior grant and presentation of a certificate of introduction from the sea. It also provides the conditions to be satisfied for issue of certificates of introduction from the sea.

The proposed new section 49M provides that every person possessing a living specimen of an animal species listed in Schedule IV shall report details to the Management Authority and the Management Authority shall, if he is satisfied that it has not been obtained in contravention of any law relating to protection of fauna and flora, issue a registration certificate allowing the owner to retain such specimen. It further provides for reporting and registration of transfers, births, and deaths of such specimens in accordance with rules prescribed by the Central Government.

The proposed new section 49N provides that every person breeding or artificially propagating species listed on Appendix I of the Convention shall apply for registration to the Chief Wild Life Warden in the form and manner prescribed by the Central Government.

The proposed new section 49-O provides that when the required conditions, including the relevant resolutions of the Convention relating to breeding in captivity or artificial propagation of Appendix I species are satisfied, the Chief Wild Life Warden shall issue a certificate of registration to a person making an application under sub-section (1) of section 49N. It further provides that the certificate of registration shall be valid for two years, and also provides for an appeal to the State Government in case of refusal or cancellation of registration by the Chief Wild Life Warden.

The proposed new section 49P provides that no person shall alter, deface, erase or remove a mark of identification affixed on a scheduled specimen or its package.

The proposed new section 49Q provides that every scheduled specimen in respect of which any offence under the Act or rules has been committed shall become the property of the Central Government and the provisions of section 39 shall, without prejudice to the Customs Act, 1962, apply to it as they apply to wild animals, captive animals and animal articles. It further provides that when a living specimen of a species listed in Schedule IV has been imported into India in contravention of the Act, the Management Authority shall after consultation with the country of export, return the specimen to that country at the expense of that country or ensure it is housed and cared for by a recognised zoo or rescue centre. It also provides that the Management Authority may for such purposes consult the Scientific Authority as it deems appropriate.
The proposed new section 49R provides that where the same species is listed in Schedule IV and Schedules I or II, the provisions of the Act applicable to such species listed in Schedule I or II and the rules made thereunder shall apply.

Clause 31.—This clause seeks to amend section 50 of the principal Act which relates to power of entry, search, arrest and detention. It proposes to confer power of entry, search, arrest and detention on the Management Authority or any officer authorised by the Management Authority or any customs officer not below the rank of an inspector or any officer of the coast guard not below the rank of an Assistant Commandant. It further proposes to extend clauses (a) and (c) of sub-section (1) of the section to include scheduled specimen.

Clause 32.—This clause seeks to amend section 51 of the principal Act which relates to penalties. Sub-section (1) of section 51 provides penalties for contravention of any provision of the Act or any rule or order made thereunder or breach of any of the conditions of any licence or permit granted under this Act and such contravention is punishable currently with imprisonment for a term extending up to three years or with fine up to twenty-five thousand rupees or with both. This clause proposes to enhance fine for such offences to a maximum of one lakh rupees.

Presently, the first proviso to sub-section (1) of section 51 provides that offences committed in relation to any animal specified in Schedule I or Part II of Schedule II or the meat of any such animal or animal article, trophy or uncured trophy derived from such animal or where the offence relates to hunting in a sanctuary or a National Park or altering the boundaries of a sanctuary or a National Park are punishable with imprisonment for a term not less than three years and extending up to seven years and also with fine not less than ten thousand rupees. This clause proposes to enhance the minimum fine for such offences to twenty-five thousand rupees. It seeks to omit the words “or Part II of Schedule II” from this proviso as a consequential amendment in view of rationalisation of the Schedules to the principal Act. It further proposes to include offences relating to specimens of species listed in Appendix I of Schedule IV in this proviso.

Presently, the second proviso to sub-section (1) of section 51 provides that a second or subsequent offence of the nature mentioned in sub-section (1) is punishable with a term of imprisonment not less than three years and extending up to seven years and also with fine not less than twenty-five thousand rupees. This clause proposes to enhance the minimum fine for such offences to one lakh rupees.

Presently, sub-section (1A) of section 51 provides that offences in relation to Chapter VA are punishable with imprisonment for a term not less than three years and extending up to seven years and also with fine not less than ten thousand rupees. This clause proposes to enhance minimum fine for such offences to twenty-five thousand rupees.

Clause 33.—This clause seeks to amend section 51A of the principal Act which relates to certain conditions to apply while granting bail. It proposes to omit the words and figures "or Part II of Schedule II" from the section. This is a consequential amendment in view of rationalisation of the Schedules to the principal Act.

Clause 34.—This clause seeks to amend section 54 of the Principal Act which relates to the power to compound offences. Presently, the sum of money accepted or agreed to be accepted by way of compounding an offence as per sub-section (4) of this section cannot exceed the sum of twenty-five thousand rupees. This clause proposes to enhance the maximum compounding amount to five lakh rupees.

Clause 35.—This clause seeks to amend section 55 of the Principal Act which relates to cognizance of offences. This clause seeks to include a provision to empower the Management Authority or any officer, including an officer of the Wild Life Crime Control Bureau, authorised in this behalf by the Central Government, to file complaints in courts in respect of offences against the Act.
Clause 36.—This clause seeks to amend section 57 of the principal Act which relates to presumption to be made in certain cases. It seeks to extend the section to scheduled specimen as it currently applies to captive animals, animal articles, meat, etc.

Clause 37.—This clause seeks to amend section 61 of the Principal Act which relates to power to alter entries in Schedules. It seeks to substitute the word "add" with the words "amend any Schedule or add" so as to make it clear that the power provided by the section to the Central Government to alter the entries in the Schedules includes the power to amend a Schedule.

Clause 38.—This clause seeks to amend section 62 of the Principal Act which relates to declaration of certain wild animals to be vermin. The section empowers the Central Government to declare certain wild animals to be vermin for any area and for such period as may be specified by way of notification. The clause seeks to omit the references to Part II of Schedule II and Schedule V from the section. This is a consequential amendment in view of rationalisation of the Schedules to the principal Act.

Clause 39.—This clause seeks to insert new sections 62A and 62B in the Principal Act.

The proposed new section 62A will empower the Central Government to take necessary actions for control of invasive alien species. It will allow the Central Government to regulate or prohibit the import, trade, possession or proliferation of invasive alien species which pose a threat to the wild life or habitat in India by way of notification. It also seeks to empower the Central Government to authorise the Director or any other officer to seize and dispose of, including through destruction, such species.

The proposed new section 62B will empower the Central Government to call for any information or report from a State Government or any such other agency or body or issue any direction to a State Governments or any such other agency or body for effective implementation of the provisions of the Act for the protection, conservation and management of wild life in the country.

Clause 40.—This clause seeks to amend section 63 of the principal Act which relates to the power of the Central Government to make rules. It proposes to include the matters under the proposed legislation in respect of which the Central Government may make rules.

Clause 42.—This clause seeks to rationalise Schedules appended to the principal Act. Presently, the Act broadly has two classes of wild animal, that is—

(a) species listed in Schedule I and Part II of Schedule II; and
(b) species listed in Part I of Schedule II, Schedule III, and Schedule IV.

Species listed in Schedule I and Part II of Schedule II are provided more protection (for example commercial trade of these species is prohibited and possession of these species requires an ownership certificate) and penalties for offences involving these species are higher. Since the principal Act essentially has only these two levels of protection for animals, it is proposed to place the protected animal species in two Schedules, i.e., Schedule I and Schedule II.

Along with the reduction in number of Schedules for protected animal species, it is also proposed to delete the schedule in which vermin species are listed (currently Schedule V) and simply have such species notified. With the deletion of the Schedule for vermin, and the reduction in the number of Schedules for protected animal species from four to two, along with the addition of a Schedule for species listed on the Appendices to the Convention, this clause seeks to reduce the number of Schedules from present six to four as follows—

Schedule I specifies the animal species with the highest level of protection.
Schedule II specifies the animal species with a lesser level of protection.
Schedule III specifies the protected plant species.
Schedule IV specifies the species listed in the Appendices to the Convention.
Clause 30 of the Bill seeks to insert a new Chapter VB in the Wild Life (Protection) Act, 1972 so as to provide for the provisions to implement the Convention on International Trade in Endangered Species of Wild Fauna and Flora. The proposed new section 49E provides that the Central Government may designate an officer not below the rank of the Additional Director General of Forests as the Management Authority for discharging functions and exercising powers under the Act. Sub-section (4) thereof provides that the Central Government may appoint such officers and employees as may be necessary to assist the Management Authority in discharging its functions or exercising the powers under the proposed new Chapter, on such terms and conditions of service including salaries and allowances as may be prescribed. The salaries and allowances of the officers and employees to be appointed shall be met from the sanctioned budget of the Central Government under the Plan Scheme "Integrated Development of Wildlife Habitats".

2. The Bill, if enacted and brought into operation, is not likely to involve any other expenditure of recurring or non-recurring nature from and out of the Consolidated Fund of India.
MEMORANDUM REGARDING DELEGATED LEGISLATION

Clause 40 of the Bill seeks to amend section 63 of the Wild Life (Protection) Act, 1972 which confers power upon the Central Government to make rules. The matters on which rules may be made, inter alia, relate to— (a) terms and conditions of the committee, sub-committees or study groups under sub-section (3) of section 5B; (b) the manner of disposal of Government property under sub-section (5) of section 39; (c) the registration and conduct of transfer or transport under sub-section (4) of section 43; (d) the terms and conditions of service including salaries and allowances for appointment of the officers and employees of the Management Authority under sub-section (4) of section 49E; (e) the conditions and procedures subject to which any exemption provided for in Article VII of the Convention may be availed under sub-section (2) of section 49H; (f) the reporting of details of scheduled specimens and the transaction as per sub-section (3) of section 49H; (g) the matters provided for in sub-sections (8) and (9) of section 49M; (h) the form and manner of the application, the fee payable, the form of certificate of registration, and the procedure to be followed in granting or cancelling a certificate of registration as per sub-section (2) of section 49N; (i) the fee payable for renewal of certificates of registration as per sub-section (3), and manner of making appeal under sub-section (4), of section 49-O; (j) any other matter for proper implementation of the Convention as may be required under Chapter VB.

2. The rules made by the Central Government under section 63 of the Act, shall be laid as soon as they are made, before each House of Parliament.

3. The matters in respect of which rules may be made are matters of procedure or administrative details and it is not practicable to provide for them in the Bill itself. The delegation of legislative power is, therefore, of a normal character.
ANNEXURE

EXTRACTS FROM THE WILDLIFE (PROTECTION) ACT, 1972

(53 OF 1972)

An Act to provide for the protection of wild animals, birds and plants and for matters connected therewith or ancillary or incidental thereto with a view to ensuring the ecological and environmental security of the country.

2. In this Act, unless the context otherwise requires,—

Definitions.

(5) "captive animal" means any animal, specified in Schedule I, Schedule II, Schedule III or Schedule IV, which is captured or kept or bred in captivity;

(15) "habitat" includes land, water or vegetation which is the natural home of any wild animal;

(18A) "livestock" means farm animals and includes buffaloes, bulls, bullocks, camels, cows, donkeys, goats, sheep, horses, mules, yaks, pigs, ducks, geese, poultry and their young but does not include any animal specified in Schedules I to V;

(19) "manufacturer" means a person who manufactures articles from any animal or plant specified in Schedules I to V and VI, as the case may be;

(24) "person" includes a firm;

(27) "specified plant" means any plant specified in Schedule VI;

(34) "vermin" means any wild animal specified in Schedule V;

(36) "wild animal" means any animal specified in Schedules I to IV and found wild in nature;

(39) "zoo" means an establishment, whether stationary or mobile, where captive animals are kept for exhibition to the public and includes a circus and rescue centres but does not include an establishment of a licensed dealer in captive animals.
5A. (1) The Central Government shall, within three months from the date of commencement of the Wild Life (Protection) Amendment Act, 2002 (16 of 2003), constitute the National Board for Wild Life consisting of the following members, namely:—

* * * * *

(d) Member, Planning Commission in-charge of Forests and Wild Life;

* * * * *

5B. (1) * * * * *

(3) The National Board may constitute committees, sub-committees or study groups, as may be necessary, from time to time in proper discharge of the functions assigned to it.

* * * * *

CHAPTER III

HUNTING OF WILD ANIMALS

9. No person shall hunt any wild animal specified in Schedules I, II, III and IV except as provided under section 11 and section 12.

* * * * *

11. (1) Notwithstanding anything contained in any other law for the time being in force and subject to the provisions of Chapter IV,—

* * * * *

(b) the Chief Wild Life Warden or the authorised officer may, if he is satisfied that any wild animal specified in Schedule II, Schedule III, or Schedule IV, has become dangerous to human life or to property (including standing crops on any land) or is so disabled or diseased as to be beyond recovery, by order in writing and stating the reasons therefor, permit any person to hunt such animal or group of animals in a specified area or cause such animal or group of animals in that specified area to be hunted.

* * * * *

24. (1) * * * * *

(2) If such claim is admitted in whole or in part, the Collector may either—

* * * * *

(b) proceed to acquire such land or rights, except where by an agreement between the owner of such land or holder of rights and the Government, the owner or holder of such rights has agreed to surrender his rights to the Government, in or over such land" and on payment of such compensation, as is provided in the Land Acquisition Act, 1894.

* * * * *

25. (1) For the purpose of acquiring such land, or rights in or over such land,—

(a) the Collector shall be deemed to be a Collector, proceeding under the Land Acquisition Act, 1894;

1 of 1894.

(b) the claimant shall be deemed to be a person interested and appearing before him in pursuance of a notice given under section 9 of that Act;

(c) the provisions of the sections, preceding section 9 of that Act, shall be deemed to have been complied with;

(d) where the claimant does not accept the award made in his favour in the
matter of compensation, he shall be deemed, within the meaning of section 18 of that Act, to be a person interested who has not accepted the award, and shall be entitled to proceed to claim relief against the award under the provisions of Part III of that Act;

(e) the Collector, with the consent of the claimant, or the court, with the consent of both the parties, may award compensation in land or money or partly in land and partly in money; and

(f) in the case of the stoppage of a public way or a common pasture, the Collector may, with the previous sanction of the State Government, provide for an alternative public way or common pasture, as far as may be practicable or convenient.

28. (1) The Chief Wild Life Warden may, on application, grant to any person a permit to enter or reside in a sanctuary for all or any of the following purposes, namely:—

(b) photography;

29. No person shall destroy, exploit or remove any wild life including forest produce from a sanctuary or destroy or damage or divert the habitat of any wild animal by any act whatsoever or divert, stop or enhance the flow of water into or outside the sanctuary, except under and in accordance with a permit granted by the Chief Wild Life Warden, and no such permit shall be granted unless the State Government being satisfied in consultation with the Board that such removal of wild life from the sanctuary or the change in the flow of water into or outside the sanctuary is necessary for the improvement and better management of wild life therein, authorises the issue of such permit:

Provided that where the forest produce is removed from a sanctuary the same may be used for meeting the personal *bona fide* needs of the people living in and around the sanctuary and shall not be used for any commercial purpose.

Explanation.—For the purposes of this section, grazing or movement of livestock permitted under clause (d) of section 33 shall not be deemed to be an act prohibited under this section.

33. The Chief Wild Life Warden shall be the authority who shall control, manage and maintain all sanctuaries and for that purpose, within the limits of any sanctuary,—

(a) may construct such roads, bridges, buildings, fences or barrier gates, and carry out such other works as he may consider necessary for the purposes of such sanctuary:

Provided that no construction of commercial tourist lodges, hotels, zoos and safari parks shall be undertaken inside a sanctuary except with the prior approval of the National Board.

35. (1) * * * * * * * * * * * *

(8) The provisions of sections 27 and 28, sections 30 to 32 (both inclusive), and clauses (a), (b) and (c) of 4 [section 33, section 33A shall, as far as may be, apply in relation to a National Park as they apply in relation to a sanctuary.
The committee shall consist of five representatives nominated by the Village Panchayat or where such Panchayat does not exist by the members of the Gram Sabha and one representative of the State Forests or Wild Life Department under whose jurisdiction the community reserve is located.

Sanctuaries or National Parks declared by Central Government

In relation to a sanctuary or National Park declared by the Central Government, the powers and duties of the Chief Wild Life Warden under the sections referred to in sub-sections (1) and (2), shall be exercised and discharged by the Director or by such other officer as may be authorised by the Director in this behalf and references, in the sections aforesaid, to the State Government shall be construed as references to the Central Government and reference therein to the Legislature of the State shall be construed as a reference to Parliament.

The Tiger Conservation Authority shall consist of the following members, namely:—

(2) The Tiger Conservation Authority shall consist of the following members, namely:-

(2) The Tiger Conservation Authority shall consist of the following members, namely:-

(a) Inspector-General of Forests or an officer of the equivalent rank having at least ten years experience in a tiger reserve or wildlife management, who shall be the Member-Secretary, to be notified by the Central Government, in the Official Gazette.

CHAPTER IVC

TIGER AND OTHER ENDANGERED SPECIES CRIME CONTROL BUREAU

The Central Government may, for the purposes of this Act, by order published in the Official Gazette, constitute a Tiger and other Endangered Species Crime Control Bureau to be known as the Wildlife Crime Control Bureau consisting of—

(e) the Additional Commissioner (Customs and Central Excise)-Joint Director; and

Declarations.

(1) Every person having at the commencement of this Act the control, custody or possession of any captive animal specified in Schedule I or Part II of Schedule II, or animal article, trophy or uncured trophy] derived from such animal or salted or dried skins of such animal or the musk of a musk deer or the horn of a rhinoceros, shall, within thirty days from the commencement of this Act, declare to the Chief Wild Life Warden or the authorised officer the number and description of the animal, or article of the foregoing description under his control, custody or possession and the place where such animal or article is kept.

(2) No person shall, after the commencement of this Act, acquire, receive, keep in his control, custody or possession, sell, offer for sale or 420 otherwise transfer or transport any animal specified in Schedule I or Part II of Schedule II or any uncured trophy or meat derived from such animal, or the salted or dried skins of such animal or the musk of a musk deer or
the horn of a rhinoceros, except with the previous permission in writing of the Chief Wild Life Warden or the authorised officer.

(2A) No person other than a person having a certificate of ownership, shall, after the commencement of the Wild Life (Protection) Amendment Act, 2002 acquire, receive, keep in his control, custody or possession any captive animal, animal article, trophy or uncured trophy specified in Schedule I or Part II of Schedule II, except by way of inheritance.

(2B) Every person inheriting any captive animal, animal article, trophy or uncured trophy under sub-section (2A) shall, within ninety days of such inheritance make a declaration to the Chief Wild Life Warden or the authorised officer and the provisions of sections 41 and 42 shall apply as if the declaration had been made under sub-section (1) of section 40:

Provided that nothing in sub-sections (2A) and (2B) shall apply to the live elephant.

(4) The State Government may, by notification, require any person to declare to the Chief Wild Life Warden or the authorised officer any animal or animal article or trophy (other than a musk of a musk deer or horn of a rhinoceros) or salted or dried skins derived from an animal specified in Schedule I or Part II of Schedule II in his control, custody or possession in such form, in such manner, and within such time, as may be prescribed.

40A. (1) Notwithstanding anything contained in sub-sections (2) and (4) of section 40 of this Act, the Central Government may, by notification, require any person to declare to the Chief Wild Life Warden or the authorised officer, any captive animal, animal article, trophy or uncured trophy derived from animals specified in Schedule I or Part II of Schedule II in his control, custody or possession, in respect of which no declaration had been made under sub-section (1) or sub-section (4) of section 40, in such form, in such manner and within such time as may be prescribed.

41. (1) On receipt of a declaration made under section 40, the Chief Wild Life Warden or the authorised officer may, after such notice, in such manner and at such time, as may be prescribed,—

(b) make inquiries and prepare inventories of animal articles, trophies, uncured trophies, salted and dried skins and captive animals specified in Schedule I and Part II of Schedule II and found thereon; and

48. No licensee under this Chapter shall—

(b) (i) capture any wild animal, or

(ii) acquire, receive keep in his control, custody or possession, or sell, offer for sale or transport, any captive animal specified in Schedule I or Part II of Schedule II or any animal article trophy, uncured trophy or meat derived therefrom or serve such meat, or put under a process of taxidermy or make animal article containing part or whole of such animal, except in accordance with such rules as may be made tinder this Act;
CHAPTER VA

PROHIBITION OF TRADE OR COMMERCE IN TROPHIES, ANIMAL ARTICLES, ETC., DERIVED FROM CERTAIN ANIMALS

Definitions.

49A. In this Chapter,—

(a) "Scheduled animal" means an animal specified for the time being in Schedule I or Part II of Schedule II;

(c) "Specified date" means—

(ii) in relation to any animal added or transferred to Schedule I or Part II of Schedule II at any time after such commencement, the date of expiry of two months from such addition or transfer.

CHAPTER VI

PREVENTION AND DETECTION OF OFFENCES

50. (1) Notwithstanding anything contained in any other law for the time being in force, the Director or any other officer authorised by him in this behalf or the Chief Wild Life Warden or the authorised officer or any forest officer or any police officer not below the rank of a sub-inspector, may, if he has reasonable grounds for believing that any person has committed an offence against this Act,—

(a) require any such person to produce for inspection any captive animal, wild animal, animal article, meat, trophy or uncured trophy, specified plant or part or derivative thereof in his control, custody or possession, or any licence, permit or other document granted to him or required to be kept by him under the provisions of this Act;

(c) seize any captive animal, wild animal, animal article, meat, trophy or uncured trophy, or any specified plant or part or derivative thereof, in respect of which an offence against this Act appears to have been committed, in the possession of any person together with any trap, tool, vehicle, vessel or weapon used for committing any such offence and, unless he is satisfied that such person will appear and answer any charge which may be preferred against him, arrest him without warrant, and detain him:

Provided that where a fisherman, residing within ten kilometres of a sanctuary or National Park, inadvertently enters on a boat, not used for commercial fishing, in the territorial waters in that sanctuary or National Park, a fishing tackle or net on such boat shall not be seized.

Penalties.

51. (1) Any person who contravenes any provision of this Act (except Chapter VA and section 38J) or any rule or order made thereunder or who commits a breach of any of the conditions of any licence or permit granted under this Act, shall be guilty of an offence against this Act, and shall, on conviction, be punishable with imprisonment for a term which may extend to three years, or with fine which may extend to twenty-five thousand rupees, or with both:

Provided that where the offence committed is in relation to any animal specified in Schedule I or Part II of Schedule II or meat of any such animal or animal article, trophy or
uncured trophy derived from such animal or where the offence relates to hunting in a sanctuary or a National Park or altering the boundaries of a sanctuary or a National Park, such offence shall be punishable with imprisonment for a term which shall not be less than three years but may extend to seven years and also with fine which shall not be less than ten thousand rupees:

Provided further that in the case of a second or subsequent offence of the nature mentioned in this sub-section, the term of the imprisonment shall not be less than three years but may extend to seven years and also with fine which shall not be less than twenty-five thousand rupees.

51A. When any person accused of, the commission of any offence relating to Schedule I or Part II of Schedule II or offences relating to hunting inside the boundaries of National Park or wild life sanctuary or altering the boundaries of such parks and sanctuaries, is arrested under the provisions of the Act, then notwithstanding anything contained in the Code of Criminal Procedure, 1973 no such person who had been previously convicted of an offence under this Act shall, be released on bail unless—

54. (1) * * * * *

(4) The sum of money accepted or agreed to be accepted as composition under sub-section (1) shall, in no case, exceed the sum of twenty-five thousand rupees:

Provided that no offence, for which a minimum period of imprisonment has been prescribed in section 51, shall be compounded.

57. Where, in any prosecution for an offence against this Act, it is established that a person is in possession, custody or control of any captive animal, animal article, meat, trophy, uncured trophy, specified plant, or part or derivative thereof it shall be presumed, until the contrary is proved, the burden of proving which shall lie on the accused, that such person is in unlawful possession, custody or control of such captive animal, animal article, meat, trophy, uncured trophy, specified plant, or part or derivative thereof.

61. (1) The Central Government may, if it is of opinion that it is expedient so to do, by notification, add or delete any entry to or from any Schedule or transfer any entry from one Part of a Schedule to another Part of the same Schedule or from one Schedule to another.

62. The Central Government may, by notification, declare any wild animal other than those specified in Schedule I and Part II of Schedule II to be vermin for any area and for such period as may be specified therein and so long as such notification is in force, such wild animal shall be deemed to have been included in Schedule V.
SCHEDULE I
(See sections 2, 8, 9, 11, 40, 41, 43, 48, 51, 61 and 62)

PART I

MAMMALS

1. Andaman Wild pig (Susandamanensis).
1-A. Bharal (Ovis nahura).
1-B. Binturong (Arctictis binturong).
2. Blackbuck (Antelope cervicapra)
3. Brow-antlered deer or Thamin (Cervus eldi)
3-A. Himalayan Brown bear (Ursus Arctos).
3-B. Capped Langur (Presbyx pileatus).
4. Caracal (Felis caracal).
4A. Catecean spp.
5. Cheetah (Acinonyx jubatus).
5-A. Chinese Pangolin (Mainis pentadactyla).
5-B. Chinkara or Indian Gazelle (Gazella gazella bennetti).
6. Clouded leopard (Neofelis nebulosa).
6-A. Crab-eating Macaque (Macaca irus umbrosa).
6-B. Desert Cat (Felis libyca).
6-C. Desert fox (Vulpes bucapus).
7. Dugong (Dugong dugon).
7-A. Ermine (Mustele erminea).
8. Fishing Cat (Felis viverrina).
8-A. Four-horned antelope (Tetraceros quadricornis).
8-D. Gangetic dolphin (Platanista gangetica).
8-E. Gaur or Indian bison (Bos gaurus).
10-A. Giant squirrel (Ratufa macroura).
10-B. Himalayan Ibex (Capra ibex).
10-C. Himalayan Tahr (Hemitragus jemlahicus).
11. Hispid Hare (Caprolagus hispidus).
12. Hoolock (Hyllobates hoolock).
12-B. Indian Elephant (*Elephas maximus*).
13. Indian lion (*panthera leo persica*).
14. Indian wild Ass (*Equus homionus khur*).
15. Indian wolf (*Canis lupas pallipes*).
16. Kashmir Stag (*Cervus elaphus hanglu*).
16-A. Leaf monkey (*Presbytis phayrei*).
16-B. Leopard or Panther (*Panthera pardus*).
17. Leopard Cat (*Felis bengalensis*).
18. Lesser or Red Panda (*Ailurus fulgens*).
19. Lion Tailed macaque (*Macaca silenus*).
20. Loris (*Loris tardigradus*).
20-A. Little Indian Porpoise (*Neomeris phocenoides*).
21. Lynx (*Felis lynx isabellinus*).
22. Malabar Civet (*Viverra megaspila*).
22-A. Malay or Sun bear (*Helarctos malayanus*).
23. Marbled cat (*Felis marmorata*).
24. Markhor (*Capra falconeri*).
24-A. Mouse Deer (*Tragulus meminna*).
25. Musk Deer (*Moschus moschiferus*).
25-A. Nilgiri Lungur (*Presbytis johni*).
25-B. Nilgiri Tahr (*Hemitragus hylocrius*).
26. Nyan or Great Tibetan sheep (*Ovis ammon hodgsoni*).
27. Pallas's cat (*Felis manul*).
28. Pangolin (*Manis crassicaudata*).
29. Pygmy Hog (*Sus salvanius*).
29-A. Ratel (*Mellivora capensis*).
30. Rhinoceros (*Rhinoceros unicornis*).
31. Rusty Spotted Cat (*Felis rubiginosa*).
31-A. Serow (*Capricornis sumatraensis*).
31-B. Clawless Otter (*Aonyx cinerea*).
31-C. Sloth Bear (*Melursus ursinus*).
32. Slow Loris (*Nycticebus coucang*).
32-A. Small Travancore Flying Squirrel (*Petinomys fuscopapillus*).
33. Snow Leopard (*Panthera uncia*).
33-A. Snubfin Dolphin (*Orcaella brevicastris*).
34. Spotted Linsang (*Prionodon pardicolor*).
35. Swamp Deer (*All sub-species of Cervus duvauceli*).
36. Takin or Mishmi Takin (*Budorcas taxicolor*).
36-A. Tibetan Antelope or Chiru (*Panthelops hodgsoni*).
36-B. Tibetan Fox (*Vulpes ferrilatus*).
37. Tibetan Gazelle (*Procapra picticaudata*).
38. Tibetan Wild Ass (*Equus hemionus kiang*).
39. Tiger (*Panthera tigris*).
40. Urial or Shapu (*Ovis vignei*).
41. Wild Buffalo (*Bubalus bubalis*).
41-A. Wild Yak (*Bos grunniens*).
41-B. Tibetan Wolf (*Canis lupus chanco*).
42. Wroughton’s free tailed bat (*Otomops wroughtoni*).
43. Salim Ali’s fruit bat (*Latidens salimalii*).
44. Hog Deer (*Axis Porcinus*)

**PART II**

**AMPHIBIANS AND REPTILES**

1. Agra Monitor Lizard *Varanus griseus* (*Daudin*).
1-B. Audithia Turtle (*Pelochelys bibroni*).
1-C. Barred, Oval, or Yellow Monitor Lizard (*Varanus flavescens*).
1-D. Crocodiles (Including the Estuarine or saltwater crocodile) (*Crocodilus porusus and Crocodilus palustris*).
1-E. Terrapin (*Batagur baska*).
1-F. Eastern Hill Terrapin (*Melanochelys tricarinata*).
2. Gharial (*Gravialis gangeticus*).
3. Ganges Soft-shell Turtle (*Trionyx gangeticus*).
3-A. Golden Geckoe (*Caloductyloides aureus*).
4. Green Sea Turtle (*Chelonia Mydas*).
5. Hawksbill Turtle (*Eretmochelys imbricata imbriscata*).
7. Indian Egg eating Snake (*Elachistodon westermanni*).
8. Indian Soft-shell Turtle (*Lissemys punctata punctata*).
9. Indian Tent Turtle (*Kachuga tecta tecta*).
9-A. Kerala Forest Terrapin (*Hoesemys sylratica*).
10. Large Bengal Monitor Lizard (*Varanus bengalensis*).
11. Leathery Turtle (*Dermochelys coriacea*).
12. Logger Head Turtle (*Caretta caretta*).
13. Olive Back Logger Head Turtle (*Lepidochelys olivacea*).
14. Peacock-marked Solf-shell Turtle (*Trionyx hurum*).
14-A. Pythons (*Genus python*).
14B. Sail terrapin (*Kachuga kachuga*).
14C. Spotted black Terrapin (*Geoclemys hamiltoni*).
17-A. Water Lizard (*Varanus salvator*).

**PART IIA**

**FISHES**

1. Whale Shark (*Rhincodon typus*).
2. Shark and Ray.
   (i) *Anoxypristis cuspidate*
   (ii) *Carcharhinus hemiodon*
   (iii) *Glyphis gangeticus*
   (iv) *Glyphis glyphis*
   (v) *Himantura fluviatilis*
   (vi) *Pristis microdon*
   (vii) *Pristis zijsron*
   (viii) *Rhybchobatus djiddensis*
   (ix) *Urogymnus asperrimus*.
3. Sea Horse (*All Sygnathidians*).
4. Giant Grouper (*Ephinephelus lanceolatus*).

**PART III**

**BIRDS**

1. Andaman Teal (*Anas gibberifrons allagularis*).
1-A. Assam Bamboo Partridge (*Bambusicola fytchii*).
1-B. Bazas (*Aviceda jeordone* and *Aviceda leuphotes*).
1-C. Bengal Florican (*Eupodotis bengalensis*).
1-D. Black-necked crane (*Grus nigriocollis*).
1-E. Blood Pheasants (*Ithaginis cruentus tibetanus*, *Ithagins Cruentus kuseri*).
2. Cheer Pheasant (*Catreus wallichi*).
2-A. Eastern White Stork (*Ciconia ciconia boyciana*).
2-B. Forest spotted Owlet (*Athene blewitti*).
2-C. Frogmouths (*Genus batrachostomus*).
3. Great Indian Bustard (*Choriotis nigriceps*).
4. Great Indian Hornbill (*Buceros bicornis*).
4-A. Hawks (*fam. Accipitridae*).
4-B. Hooded Crane (*Grus monacha*).
4-C. Hornbills (*Ptilolaemus tickelli austeni, Aceros nipalensis, Rhyticeros undulatus ticehursti*).

4-D. Houbara Bustard (*Chlamydotis undulata*).

4-E. Humes Bar-backed Pheasant (*Syrmaticus humiae*).

4-F. Indian Pied Hornbill (*Anthracoceros malabaricus*).

5. Jerdon's Courser (*Cursorius bitorquatus*).

6. Lammergeier (*Gypaetus barbatus*).

7. Large Falcons (*Falco peregrinus, Falco biarmicus and Falco chicuera*).

7-A. Large Whistling Teal (*Dendrocygna bicolor*).

7-B. Lesser Florican (*Sypheotides indica*).

7-C. Monal Pheasants (*Lophophorus imeryanus, Lophophorus Sclateri*).

8. Mountain Quail (*Ophrysia superciliosa*).

9. Narcondam Hornbill (*Rhyticeros (undulatus ) marcondami*).

10. Nicobar Megapode (*Megapodius freycinet*).

10-A. Nicobar Pigeon (*Caloenas nicobarica pelewensis*).

10-B. Osprey or Fish-eating Eagle (*Pandion haliatetus*).

10-C. Peacock Pheasants (*Polyplectron bicalcaratum*).

11. Peafowl (*Pavo cristatus*).

12. Pink-headed duck (*Rhodonessa caryophyllacea*).

13. Scalater's Monal (*Lophophorus sclateri*).

14. Siberian White Crane (*Grus leucogeranus*).

14B. Tibetan Snow-Cock (*Tetraogallus tibetanus*).

15. Tragopan Pheasants (*Tragopan melanocephalus, Tragopan blythii, Tragopan satyra, Tragopan temminckii*).

16. White-bellied Sea Eagle (*Haliaetus leucogaster*).

17. White-eared Pheasant (*Crossoptilon crossoptilon*).

17-A. White Spoonbill (*Platalea leucorodia*).

18. White-winged Wood Duck (*Cairina scutulata*).

19. Swiftlets (*Collocaliaunicolor and*).

20. Hill myna (*Gracula religiosa intermedia, Gracula religiosa peninsularis, Gracula religiosa indica and Gracula religiosa andamanesis*).

21. Tibetan ear pheasant (*Crossoptilon harmani*).

22. Kalij pheasant (*Lophurs leucomelana*).

23. Lord Derby’s parakeet (*Psittacula derbyana*).

24. Vultures (*Gyps indicus, Gyps bengalensis, Gypstenuirostris*).

25. White bellied hereon (*Ardea insignis*).
## Crustacea and Insects

### 1. Butterflies and Moths

#### Family Amathusidae
- **Discophora deo deo** Duffer, banded
- **Discophora sondaica muscina** Duffer, common
- **Faunis faunula faunuloides** Pallid fauna

#### Family Danaidae
- **Danaus gautama gautamoides** Tigers
- **Euploea crameri nicevillei** Crow, spotted Black
- **Euploea midamus roepstorfti** Crow, Blue-spotted

#### Family Lycaenidae
- **Allotinus drumila** Darkie, crenulate/Great
- **Allotinus fabius penormis** Angled darkie
- **Amblopala avidiena** Hairstreak, Chinese
- **Amblypodia ace arata** Leaf Blue
- **Amblypodia alea constanceae** Rosy Oakblue
- **Amblypodia ammonariel** Malayan Bush blue
- **Amblypodia arvina ardea** Purple Brown tailless Oakblue
- **Amblypodia asopia** Plain tailless Oakblue
- **Amblypodia comica** Comic Oakblue
- **Amblypodia opalima** Opal Oakblue
- **Amblypodia zeta** Andaman tailless Oakblue
- **Biduanda melisa cyara** Blue posy
- **Callophyrs leechii** Hairstreak, Ferruginous
- **Catalius rosimon alarbus** Pierrot, common
- **Charana cepheis** Mandar in Blue, Cachar
- **Chiloria othona** Tit, orchid
- **Deudoryx epijarbas amatius** Cornelian, scarce
- **Everes moorei** Cupid, Moore’s
- **Gerydus biggsii** Bigg's Brownie
- **Gerydus symethus diopeithes** Great Brownie
- **Helipohorus hybrida** Sapphires
- **Horaga albimacula** Onyxes
- **Jamides ferrari** Caeruleans
- **Liphyra brassolis** Butterfly, Moth
- **Listeria dudgeni** Lister's hairstreak
Logania Watsoniana subfuscate  Mottle, Watsen's
Lycaenopsis binghami  Hedge Blue
Lycaenopsis haraldus ananga  Hedge Blue, Felder's
Lycaenopsis puspa prominens  Common hedge Blue
Lycaenopsis quadriplaga dohertyi  Naga hedge Blue
Nacaduba noreia hampsoni  Lineblue, White-tipped
Polymnatus oritus leela  Greenish mountain Blue
Pratapa lcetas mishmia  Royal, dark Blue
Simiskina phalena harterti  Brilliant, Broadlanded
Sinthusa Virgo  Spark, Pale
Spindasis elwesi  Silverline, Elwes's
Spindasis rukmini  Silverline, Khaki
Strymoni mackwoodi  Hairstreak, Mackwood's
Tajuria ister  Royal, uncertain
Tajuria luculentus nela  Royal, Chinese
Tajuria yajna yajna  Royal, Chestnut and Black
Thecla ataxus zulla  Wonderful hairstreak
Thecla bleti mendera  Indian Purple hairstreak
Thecla letha  Watson's hairstreak
Thecla pavo  Peacock hairstreak
Virachola smilis  Guava Blues

**Family Nymphalidae**

Apatura ulupi ulupi  Emperor, Tawny
Argynnis hegemone  Silver-washed fritillary
Callnaga buddha  Freak
Chraxes durnfordi nicholi  Rajah, chestnut
Cirrochroa fasciata  Yeomen
Diagora nicevillei  Siren, Scarce
Dillpa morgiana  Emperor, Golden
Doleschallia bisaltide andamana  Autumnal leaf
Eriboea moori sandakanas  Malyan Nawab
Eriboea schreiberi  Blue Nawab
Eulaceura manipurensis  Emperor, Tytler's
Euthaila durga splendens  Barons/Connis/Duchesses
Euthalia iva  Duke, Grand
Euthalia Khama Curvifascia  Duke, Naga
Euthalia tellechinia Baron, Blue
Helcyra hemina Emperor, White
Hypolimnas missipus Eggfly, Danaid
Limenitis austenia purpurascens Commodore, Grey
Limenitis zulema Admirals
Melitaea shandura Fritillaries/Silverstripes
Neptis antilope Sailer, variegated
Neptis aspasia Sailer, Great Hockeystick
Neptis columella kankena Sailer, Short-banded
Neptis cydippe kirbriensis Sailer, Chinese yellow
Neptis ebusa Sailer/Lascar
Neptis jumbah binghami Sailer, chestnut-streaked
Neptis manasa Sailer, Pale Hockeystick
Neptis nycteus Sailer, Hockeystick
Neptis poona Lascar, tytler's
Neptis sankara Sailer, Board-banded
Panthoporia jina jina Bhutan sergeant
Panthorpria reta moorei Malay staff sergeant
Prothoc franckii regalis Begum, Blue
Sasakia funebris Empress
Seophisa chandra Courtier, Eastern
Symbrenthia silana Jester, Scarce
Vanessa antiopa yedunula Admirable

**Family Papilionidae**

Chilasa clytea clytea f. commixtus Common mime
Papilio elephenor Spangle, yellow-crested
Papilio liomedon Swallowtail, Malabar Banded
Parnassius aeco geminier Apollo
Parnassius delphius Banded apollo
Parnassius hannyngtoni Hannyngton’s apollo
Parnassius imperator augustus Imperial apollo
Parnassium stoliezkanus Ladakh Banded Apollo
Polydorus coon sambilanga Common clubtail
Polydorus cerassipes Black windmill
Polydorus hector Crimson rose
Polydorus nevilli Nevill's windmill
Polydorus plutonius pembertonii Chinese windmill
Polydorus polla  Deniceyllc's windmill.

**Family Pleridae**

Aporia harrietae harrietae  Black veins
Baltia butleri sikkima  White butterfly
Colias colians thrasibulus  Clouded yellows
Colias dubi  Dwarf clouded yellow
Delias samaca  Jezebel, pale
Pieris krueperi devta  Butterfly cabbage/White II

**Family Satyriidae**

Coelitis monthis adamsoni  Cat's eye, Scarce
Cyllogenes janetae  Evening Brown, Scarce
Elymnias peali  Palmfly, Peal's
Elymnias penanga philasis  Palmfly, Painted
Erebia annada annada  Argus, ringed
Erebia nara singha nara singha  Argus, Mottled
Lethe, distans  Forester, Scarce Red
Lethe dura gammiee  Lilacfork, Scarce
Lethe europa tamuna  Bamboo tree brown
Lethe gemina gafuri  Taylor's tree brown
Lethe guluihal guluihal  Forester, Dull
Lethe margaritae  Tree brown, Bhutan
Lethe ocellata lyncus  Mystic, dismal
Lethe ramadeva  Silverstripe, Single
Lethe satyabati  Forester, pallid
Mycalesis orseis nautilus  Bushbrown, Purple
Pararge menava maeroides  Wall dark
Yothima dohertyi persimisis  Five ring, Great

1-A. Coconut or Robber Carb (Bigrus latro)
2. Dragon Fly (Epioplebia laidlawi)

**PART IVA**

**Coelelenterates**

1. Reef Building Coral (All Scleractinians).
2. Black Coral (All Antipatharians).
3. Organ Pipe Coral (Tubipora musica).
4. Fire Coral (All Millipora Species).
5. Sea Fan (All Gorgonians).
PART IVB
MOLLUSCA

1. Cassis cornuta
2. Charonia tritonis
3. Conus milneedwardsi
4. Cypraeacassis rufa
5. Hippopus hippopus
6. Nautilus pompilicis
7. Tridacna maxima
8. Tridacna squamosa

PART IVC
ECHINODERMATA

Sea Cucumber (All Holothurians).
SCHEDULE II
(See sections 2, 8, 9, 11, 40, 41, 43, 48, 51, 61 and 62)

PART I
1-A. Assamese macaque (*Macaca assamensis*).
2. Bengal Porcupine (*Atherurus mecrourus assamensis*).
3-A. Bonnet macaque (*Macaca radiata*).
3-C. Cetatean spp. (other than those listed in Sch. I and Sch.II, Part II).
4-A. Common langur (*Presbytis entellus*).
7. Ferret Badgers (*Melogale moschata*, *Melogale personata*).
11. Himalayan Crestless Porcupine (*Hystrix hodgsoni*).
11-A. Himalayan Newtor Salamander (*Tyletotriton verrucosus*).
16. Pig-tailed macaque (*Macaca nemestrina*).
17-A. Rhesus macaque (*Macaca mulatta*).
19. Stump-tailed macaque (*Macaca speciosa*).
22. Wild dog or dhole (*Cuon alpinus*).
24. Chameleon (*Chameleon calcaratus*).
25. Spiny-tailed Lizard or Sanda (*Uromastix hardwickii*).

PART II
1. Beetles

*Family Carabidae*

Agonotrechus andrewesi  
Amara brucei  
Amara eleganfula  
Brachinus atripennis  
Broscosoma gracile  
Brosous bipillifer  
Broter ovicollis  
Calatlius amaroides  
Clitea indica  
Gopala pita  
Griva cyanipennis  
Nisotra cardoni  
Nisotra madurensis  
Nisotra nigripennis  
Callistominus belli  
Chlaenius championi  
Chlaenius kanarae  
Chlaenius masoni  
Chlaenius nilgiricus  
Family Chrysomelidae  
Acrocrypta rotundata  
Bimala indica  
Family Erycinidae  
Abisara kausambi  
Dodona adonira  
Dodona dipoea  
Dodona egeon  
Libythea lepita Nisotra semicoerulea
Nisotra striatipennis  
Nonarthra patkaia  
Psylliodes plana  
Psylliodes shira  
Sebaethe cervina  
Sebaethe patkaia  
Sphaeroderm brevicorne  

**Family Cucujidae**  
Carinophlocus raffrayi  
Cucujus bicolor  
Cucujus gouvea  
Cucujus imperialis  
Heterojinus semilaetaneus  
Laemophloeus belli  
Laemophloeus incertus  
Pediaeus rufipes  

genesa watsoni  

**Family Inopeplidae**  
Inopeplus albonotalus  

**Family Amathusidae**  
Aemona amathusia amathusia  
Amathusia philippus andamanicus  
Amathusia amythaonam  
Discophora deo deodoide  
Discophora lepida lepida  
Discophora timora andamanensis  
Enispe cycnus  
Faurds semeus assama  
Sticophthalma nourmahal  
Thauria aliris amplifascia  

**Family Danaidae**  
Euploea melanaleuca  
Euploea midamus rogenhofer  
Deudoryx hypargyria gaetulia  
Enchrysops onejus  
Everes kalaroi  

Family Hesperiidae  
Baoris phidippina  
Bebasa sena  
Halpe homolea  
Family Lycaenidae  
Allotinus subviolaceus manychus  
Amblypodia abberans  
Amblypodia anea  

**Family Cucujidae**  
Amblypodia agaba aurelia  
Amblypodia agrata  
Amblypodia alesia  
Amblypodia apidanus ahamus  
Amblypodia areste areste  
Amblypodia bazaloides  
Amblypodia camdeo  
Amblypodia ellisi  
Amblypodia fulla ignara  
Amblypodia paraganae zephyreeta  

**Family Inopeplidae**  
Amblypodia paralea  
Amblypodia silhetensis  
Amblypodia suffusa suffusa  
Amblypodia yendava  

**Family Amathusidae**  
Apharitis lilacinus  
Araotes lapithis  
Artipe eryx  
Bindahara phocides  
Bothrinia chennellial  
Castalius roxus manluena  
Catapoecilma delicatum  
Catapoecilma elegans myositina  

**Family Danaidae**  
Charana jalindra  
Cheriitrella truncipennnis  
Chliaria kina  
Pratapa blanka  
Pratapa deva  
Pratapa icetas
Helippophorus androcles moorei  Rapala buxaria
Horage onyx  Rapala chandran chandran
Horage viola  Rapala nasaka
Hypolycena nilgirica  Rapala refalgens
Hypolycena thecloides nicobarica  Rapala rubida
Iraota rochana boswelliana  Rapala scintilla
Jamides alectokandulana  Rapala ophinx ophinx
Jamides celeodus pura  Rapala varuna
Jamides kankena  Spindasis elima elima
Lampides boeticus  Spindasis lohita
Lilacea albocaerulea  Spindasis nipalicus
Lilacea atroguttata  Suasa lisides
Lilacea lilacea  Surendra todara
Lilacea melaena  Tajuria albiplaga
Lilacea minima  Tajuria cippus cippus
Logania massalia  Tajuria culta
Lycaenesthes lycaenina  Tajuria diaeus
Mahathala ameria  Tajuria illurgodes
Mahathala atkinsoni  Tajuria illurgis
Magisba malaya presbyter  Tajuria jangala andamanica
Nacaduba aluta coelestis  Tajuria melastigma
Nacaduba ancyra aberrans  Tajuria sebonga
Nacaduba dubiosa fulva  Tajuria thydia
Nacaduba helicon  Tajuria yajna istroides
Nacaduba hermus majoi  Tarucus callinara
Nacaduba pactolus  Tarucus dharta
Neucheritra febronia  Thaduka maticaudata malkarnda
Niphanda cymbia  Thecla ataxus ataxus
Orthomiella pontis  Thecla bitel
Pithecops fulgens  Thecla icana
Polyminatus devania devanica  Thecla jakamensis
Polyminatus metallica metallica  Thecla kabrea
Polyminatus orbitulus jaloka  Thecla khasia
Polyminatus yeonghusbandi  Thecla kibariensis
Poritia erycinoides elsiei  Thecla soroia
Poritia hewitsoni  Thecla syla assamica
Poritia plusrata geta  Thecla vittata
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Euthalia lepidea
Chilasa slateri slateri
Graphium aristeus anticrates
Graphium arycies arycles
Graphium Graphium macronius
Graphium evemon aibociiates
Graphium gyas gyas
Graphium megarus megaras
Papilio bootes
Papilio buddba
Papilio fuscus andamanicus
Papilio machaon verityi
Papilio mayo
Parnassius charltonius charltonius
Parnassius epaphus hillensis
Parnassius jacquemonti jacquemonti
Polydorus latreillei kabrua
Polydorus plutonus tytleri
Teinopalpus imperialis imperialis
Family Pieridae
Aporia nabellica
Appias albina darada
Appias indra shiva
Appias lyncida latifasciata
Appias wardi
Baltia butleri butleri
Cepora nadian remba
Cepora nerissa dapha
Colias eocandica hinducucica
Colias eogene
Colias ladakensis
Colias stoliczkana miranda
Vanessa prarsoides dohertyi
Vanessa urticoe rizama
Family Papilionidae
Bhutanitis liderdali
Chilasa epycides epycides
Chilasa paradoxa telearchus
Family Satyridae
Aulocera brahminus
Cylogenes suradeva
Elymnias melias milamba
Elymnias vasudeva
Erebia annada suroia
Erebia hygriva
Erebia prada manii
Erebia seanda opima
Erites falcipennis
Hipparchis heydenreichi shandura
Family Satyridae
Lethe atkinsoni
Lethe baladeva
Lethe brisanda
Lethe goalpara goalpara
Lethe insana insana
Lethe jalaudra
Lethe kaubra
Lethe Latiaris latiaris
Lethe moelleri moelleri
Lethe naga naga
Lethe nicetella
Lethe pulaha
Lethe scanda
Lethe serbonis
Lethe siderca
Lethe sinorix
Lethe tristigmata
Lethe violaceudicta kanjupkula
Lethe visrava
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Delias lativitta Lethe yama
Dercas lycorias Maniola davendra davendra
Euchloe charlonia lucilla Melanitis zitanius
Eurema andersoni ormistonii Mycalesis adamsoni
Metaporia agathon Mycalesis anaxias
Pieris deota Mycalesis botama chamka
Pontia chloridice alipina Mycalesis heri
Saletara panda Chrysaea Mycalesis lepcha bethami
Valeria avatar avatar Mycalesis malsarida
Mycalesis misenus Pararge macrula maefula
Mycalesis mestra Ragadia crislda crito
Mycalesis mystes Rhapicera sitricus kabrua
Mycalesis suavolens Ypthima bolanica
Neorina hilda Ypthima lycus lycus
Neorina patria westwoodii Ypthima mathora mathora
Oeneis buddha gurhwalia Ypthima similis affectata
Parantirrhoea marshali Zipotis saitis

1-A. Civets (all species of Viverridae except Malabar civet).
1-B. Common fox (Vulpes bengalensis).
1-C. Flying squirrels (all species of the genera Bulopetes, Petaurista, Pelomys and Eupetaurus).
1-D. Giant squirrels (Ratufa indica, and Ratufabicolor).
2. Himalayan brown bear (Ursus arctos).
2-A. Himalayan black bear (Selenarctos thibetanus).
2-B. Jackal (Canis aureus).
2-C. Jungle cat (Felis chaus).
2-D. Marmots (Marmota bobak himalayana, M. caudata).
2-E. Martens (Martes foria intermedia, Martes flovigule, Martes gwatkinsii).
4. Otters (Lutra, L. perspicillata).
4-A. Pole cats (Vormela peregusna, Mustila putorius).
4-B. Red fox (Vulpes vulpes, vulpes Montana, vulpes griffithi).
5A. Sperm whale (Physeter macrocephalus).
7. Weasels (Mustela Sibirica, Mustela Kathian, Mustela Altaica).
8. Checkered keelback snake (Xenochrophis piscatar).
9. Dhaman or rat snak (Plyas mucosus).
10. Dog-faced water snake (Cerberus rhynchopli).
11. Indian cobras (all sub-species belonging to genus Naja).
12. King cobra (Ophiophagus hannah).
13. Oliveceous keel back (*Artretium schistosum*).
14. Russel's viper (*Vipera ruselli*).
15. Varanus species (*excluding yellow monitor lizard*).
16. Mongooses (*All species of genus Herpestes*)
17. Grey jungle fowl (*Gallus sonnerati*)
SCHEDULE III
(See sections 2, 8, 11 and 61)

2. Barking deer or muntjac (*Muntiacus muntjak*).
5. Chital (*Axix axis*).
7. Gorals (*Nemorhaedus goral, Nemorhaedus hodgsonii*).
12. Hyaena (*Hyaena hyaena*).
14. Nilgai (*Boselaphus tragocamelus*).
16. Sambar (*Cervus unicolor*).
19. Wild pig (*Sus scrofa*).
20. Sponges (*All calcareans*).
SCHEDULE IV

(See sections 2, 8, 9, 11 and 61)

3-A. Five-striped palm squirrel (Funambulus pennantii).

4. Hares (Black Naped, Common Indian, Desert, Himalayan mouse hare).

4-A. Hedge hog (Hemiechinus auritus).

4-E. Indian porcupine (Hystrix indica).

7-A. Pole cats (Vormela peregusna, Mustela putorius).

11. Birds (other than those which appear in other Schedules):
   1. Avadavat (Estrildinae);
   2. Avocet (Recurvirostridae);
   3. Babblers (Timaliinae);
   4. Barbets (Capitonidae);
   5. Barnowls (Tytonknae);
   6. Bitterns (Ardeidae);
   7. Brown-headed gull (Larus brunnicephalus);
   8. Bulbuls (Pycnonotidae).
  12. Chloropsis (Irendae).
  13. Comb duck (Sarkidiornis melanotos).
  15. Cormorants (Phalacrocoracidae).
  17. Cuckoos (Cuculidae).

17-A. Curlews (Scolopacinae).

18. Darters (Phalacrocoracidae).

19. Doves including the Emerald Dove (Columbidae).

20. Drongos (Dicruridae).


22. Egrets (Ardeidae).

23. Fairy Blue Bird (Irenidae).

24. Falcons (Falconidae), excepting the Shaheen and Peregrine falcons (Falco peregrinus), the saker or churrug, shankghar and lagger falcons (F.biarmicus), and the refheaded merlin (F.chicquera).

25. Finches including the chaffinch (Fringillidae).
26. Falmingos (Phoenicopteridae).
27. Flowerpeckers (Dicaeidae).
28. Fleatchers (Muscicapidae).
29. Geese (Anatidae).
30. Goldfinch and allies (Carduelinae).
32. Gerons (Ardeidae).
33. Ibis (Threskiornithidae).
34. Iorars (Irenidae).
35. Jays (Corvidae).
36. Jacanas (Jacanidae).
36-A. Junglefowl (Phasianidae).
37. Kingfishers (Alcedinidae).
38. Larks (Alaudidae).
39. Lorikeets (Psittacidae).
40. Magpies including the Hunting magpie (Corvidae).
41. Mannikins (Estrildinae).
42. Megapodes (Megapodidae).
43. Minivets (Campephagidae).
44. Munias (Estrildinae).
45. Mynas (Sturnidae).
46. Nightjara (Caprimulgidae).
47. Orioles (Oriolidae).
48. Owls (Strigidae).
49. Oysteractchers (Haematopodidae).
50. Parakeets (Psittacidae).
51. Partridges (Phasianidae).
52. Pelicans (Pelecanidae).
53. Pheasants (Phasianidae).
54. Pigeons (Columbidae) except the Blue Rock Pigeon (Columba livia).
56. Plovers (Charadriinae).
57. Quails (Phasianidae) except Coturnix japonica (Japanese Quails) of farm bred variety.
58. Rails (Rallidae).
59. Rollers or Blue Jays (Coraciidae).
60. Sandgrouses (Pteroclidae).
61. Sandpipers (*Scolopacinae*).
62. Snipes (*Scolopacinae*).
63. Spurfowls (*Phasianidae*).
64. Starlings (*Sturnidae*).
65. Stone Curlew (*Burhinidae*).
66. Storks (*Ciconiidae*).
67. Stilts (*Recurvirostridae*).
68. Sunbirds (*Nectariniidae*).
69. Swans (*Anatidae*).
70. Teals (*Anatidae*).
71. Thurushes (*Turdinae*).
72. Tits (*Paridae*).
73. Tree pies (*Corvidae*).
74. Trogons (*Trogonidae*).
75. Vultures (*Accipitridae*).
76. Waxbills (*Extrildinae*).
77. Weaver Birds or Bayas (*Ploceidae*).
78. White-eyes (*Zosteropidae*).
79. Woodpeckers (*Picidae*).
80. Wrens (*Troglodytidae*).

12. Snakes (other than those species listed in Sch.I,Pt.II; and Sch.II, Pt. II).

   (i) Amblycaphalidae
   (ii) Amilidae
   (iii) Boldae
   (iv) Colubridae
   (v) Dasypodidae (Egg-eating snakes)
   (vi) Elapidae (Cobras, Kraits, and Coral Snakes)
   (vii) Glauconidae
   (viii) Hydrophiidae (Fresh water and sea snakes)
   (ix) Tylscidae
   (x) Leptotyphlopidae
   (xi) Typhlopidae
   (xii) Uropeltidae
   (xiii) Viperidae
   (xiv) Xenopeltidae.

13. Fresh Water Frogs (*Rana spp.*)
14. Three-keeled Turtle (*Geocmydas tricarinata*)
15. Tortoise (*Testudinidae, Tryonychidae*).

15A. Tokay gecko (*Gekko gecko*).

16. Viviparous toads (*Nectphyrynoides sp.*).

17. Voles

18. Butterflies and Moths

   **Family Danaidae**
   Euploca core simulatrix
   Euploca crassa
   Euploca dioeletianus ramsahai
   Euploca mulciber

   **Family Hesperiidae**
   Baoris farri
   Hasora vitta
   Hyarotic adrastus
   Oriens concinna
   Pelopidas assamensis
   Pelopidas sinensis
   Polytrema discreta
   Polytrema rubricans
   Thoressa horiorei

   **Family Lycaenidae**
   Tarucus ananda

   **Family Nymphalidae**
   Eiuthalia lubentina

   **Family Pigeridae**
   Aporia agathon ariaca
   Appians libythea
   Appiasnero galba
   Prioneris sita

19. Mollusca

   (i) Cypraea lamacina
   (ii) Cypraea mappa
   (iii) Cypraea talpa
   (iv) Fasciolaria trapezium
   (v) Harpulina arausiaca
   (vi) Lambis chiragra
   (vii) Lambis chiragra arthritica
(viii) Lambis crocea
(ix) Lambis millepeda
(x) Lambis scorpius
(xi) Lambis truncate
(xii) Placenta placenta
(xiii) Strombus plicatus sibbaldi
(xiv) Trochus niloticus
(xv) Turbo marmoratus.

20. Horeshoe Crabs (*Tachypleaus gigas* and *Carcinoscopius rotundicauda*).
SCHEDULE V
(See section 28, 61 and 62)

1. Common crow
2. Fruit bats
3. Mice
4. Rats
SCHEDULE VI
(See section 2)

1. Beddomes' cycad (*Cycas beddomei*).
2. Blue Vanda (*Vanda eoerulea*).
3. Kuth (*Saussurea costus*).
4. Ladies slipper orchids (*Paphiopedilium spp.*).
5. Pitcher plant (*Nepenthes khasiana*).
6. Red Vanda (*Rananthera inschootiana*).
A BILL

further to amend the Wild Life (Protection) Act, 1972.

(Shri Bhupender Yadav, Minister of Environment, Forest and Climate Change)
### LOK SABHA

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**CORRIGENDA**

**to**

**THE WILD LIFE (PROTECTION) AMENDMENT BILL, 2021**

[To be/As introduced in Lok Sabha]

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NEW DELHI;

**December 14, 2021**

Agrahayana 23, 1943 (Saka)