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**FOREST AND NATURE CONSERVATION BILL OF BHUTAN,  
2021**

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## **Preamble**

**ENSHRINED** in the Constitution of the Kingdom of Bhutan to maintain at least 60 percent of the country's geographical area under forest cover for all time to come;

**RECOGNIZING** the value of protection, conservation and preservation of areas of natural landscape and cultural heritage of national importance, sustainable management of forest, conservation of flora and fauna; and natural resources as an integral conservation regime to enable sustainable development, mitigation and adaptation to the impacts of climate change;

**BEARING** in mind, Bhutan's commitment as a member to the International Convention and Treaty on ecological and biological diversity;

**CONVINCED** that a representative ecosystem, habitats, traditional knowledge, natural and cultural landscape; and integrating their management into protected area and other forest management regime is crucial for the effective conservation, preservation and protection of biodiversity;

**ENSURING** sustainable use of natural resources for the benefit of National, Regional and Global Communities, by developing various management regimes and through effective governance of the State Reserved Forest Land;

Parliament of Bhutan hereby enacts the Forests and Nature Conservation Act of Bhutan, 20... as follows:



## **CHAPTER I**

### **PRELIMINARY**

#### **Title and Commencement**

1. The Act shall:
  - (1) Be called the Forest and Nature Conservation Act of Bhutan, ..;
  - (2) Come into force with effect from >>> day of the >>> Month of.....corresponding to >>> Day of the >>> Month of the Year.....of the Bhutanese calendar.

#### **Repeal**

2. This Act shall repeal:
  - (1) The Forest and Nature Conservation Act of Bhutan, 1995.
  - (2) The provisions of all existing Acts, Rules and Regulations; and administrative instruments which are inconsistent with this Act.

#### **Saving**

3. Any permit, forestry clearance or certificate that have been issued or granted under the Forest and Nature Conservation Act, 1995 shall continue in effect until the expiry of the term.
4. Any protected area declared under Forest and Nature Conservation Act, 1995 shall continue to be a protected area upon commencement of this Act.

#### **Guiding Principle**

5. The implementation of this Act shall be guided by the following principles:
  - (1) Protect, conserve and enhance the environment and safeguard the forest of the country by promoting ecologically balanced development;

- (2) Protect and conserve wild fauna and flora in accordance with the principle of sustainable management for the benefit of present and future generation;
- (3) Utilize and share benefit of forest produce and ecosystem service through improved access and equity;
- (4) Improve and enhance mitigation and adaptation capacity of forest to climate change and socio-economic activity; and
- (5) Restore, protect and improve wetland and watershed for sustained flow of water.

## CHAPTER II

### POWERS AND FUNCTIONS OF THE AUTHORITY

#### Ministry of Agriculture and Forests

6. The Ministry shall exercise the following powers and functions for sustainable management of forest and forest produce in Bhutan:
  - (1) Formulate policies on nature conservation, protection and management of forest.
  - (2) Approve Rules formulated under this Act.
  - (3) Revise and approve fees and fines pertaining to use and offence committed on forest produce.
  - (4) Propose a revision of royalty on forest produce to the Parliament.
  - (5) Approve service charge for delivery of service under this Act.
  - (6) Approve designation of the Management Authority and the Scientific Authority to regulate import, export or re-export of wild fauna and flora specimen.
  - (7) Approve forestry and biodiversity research.
  - (8) Approve declaration of significant wetland of national importance.
  - (9) Propose to National Environment Commission as required by the National Environment Protection Act, for recommendation to the Parliament for declaring any part of the country to be a National Park, Wildlife Reserve, Nature Reserve, Protected Forests, Biosphere Reserve, Critical Watershed, Biological Corridor, significant wetland of international importance and any other categories meriting protection.
  - (10) Approve classification of any State Reserved Forest Land not covered under Section 6(9) into Other Effective Conservation Area.
  - (11) Approve conservation and management plans for all management regimes on the recommendation of the Department except for plans mentioned under Section 7(4) of this Act.
  - (12) Lead implementation of international treaty or convention relevant to the Ministry.

- (13) Propose to the National Environment Commission, for recommendation to the Parliament to approve listing and delisting of species under Schedule I.
- (14) Approve the listing and delisting of species under Schedule II and III, on the recommendation of the Scientific Authority.
- (15) Engage any authorized agency to carry out any forestry operation as per Management Plan or Action Plan.

### **Department of Forests and Park Services**

7. The Department as a custodian of forest and forest produce, shall be responsible to:
  - (1) Enforce the provision of this Act.
  - (2) Adopt measure for protection of ecosystems including wildlife species and their habitat.
  - (3) Prepare conservation and management plan for State Reserved Forest Land based on its functionality.
  - (4) Approve Community Forest Management Plan, Non-Wood Forest Produce Management Plan, Community Based Fishery Management Plan and Operational Plan.
  - (5) Promote effective public participation and partnership in preparation of conservation and management plan.
  - (6) Regulate and facilitate trade of forest produce within or outside the country as prescribed in the Rules.
  - (7) Regulate and facilitate the allotment of forest produce as prescribed in the Rules.
  - (8) Develop technical guidelines to implement provisions of this Act and its Rules.
  - (9) Carry out national inventory on forest, wild fauna and flora; and wetland as per the international standard with support from relevant agency within the Ministry, in accordance with the technical guidelines.

- (10) Classify the timber species into different class based on timber quality and value.
  - (11) Propose the listing and delisting of species under Schedule I, II and III, depending on the level of threat, risk of being endangered or becoming extinct in consultation with relevant agencies as recommended by the Scientific Authority.
  - (12) Propose to the Ministry for declaration of significant wetland of national importance.
  - (13) Designate Community Forest, Community Fishery, Forest Management Unit, Local Forest Management Area, Recreational Area and any other management regime as deemed necessary.
  - (14) Revise Forest and Nature Conservation Code of Best Management Practices of Bhutan from time to time.
  - (15) Establish a forest check gate and designate a checkpoint.
  - (16) Implement the international treaties or conventions relevant to forest and nature conservation.
  - (17) Such other functions related to forest protection and management as prescribed in the Rules.
8. The Department shall constitute expert group as the Scientific Authority to advise the Management Authority on:
- (1) Whether import, export or re-export of wild fauna and flora specimen is detrimental to the survival of the species in the wild; and
  - (2) Other scientific matters related to wild fauna and flora conservation and management.
9. The Department shall designate the Management Authority to grant permit and certificate for import, export or re-report of wild fauna and flora specimen in consultation with the Scientific Authority.

### **Powers of the Forestry Official**

10. Any power of forestry official under Section 11 to 19 of this Act shall be exercised in accordance with the Civil and Criminal Procedure Code of Bhutan.

### **Power to Inspect**

11. The forestry official may inspect and verify any forest produce or product including permit or other relevant document, which any person is required to have in possession as per this Act and its Rules.

### **Power to Arrest**

12. The forestry official may arrest without warrant any person based on the information received or on sighting commission of an offence related to protected species listed in Schedule I under this Act.
13. Any forestry official making an arrest under Section 12 shall produce the suspect before the Court of competent jurisdiction within twenty-four hours of arrest to seek remand order.
14. Any person arrested under this Act may be detained for further investigation, upon seeking remand order from the Court.

### **Power to Search with Warrant**

15. The forestry official shall have the right to enter into any private premises in search of evidence related to forest produce or product with Court warrant upon showing probable cause.

### **Power to Search without Warrant**

16. Any forestry official shall conduct search in the Forest-Based Industry including construction site without Court warrant in presence of the management upon receipt of information or sighting commission of offence.
17. Any forestry official may stop and search any conveyance carrying forest produce or product at the designated forest check gate or checkpoint.

18. Any forestry official may search any person or livestock suspected of carrying forest produce or product illegally, and such person shall be searched or frisked by the person of the same gender.

### **Power to Entry**

19. The forestry official may enter into any Forest-Based Industry or construction site without any Court warrant for inspection and monitoring of forest produce as per the procedure prescribed in the Rules.

### **Power to Seize and confiscate forest produce**

20. The forestry official shall exercise the power to seize the forest produce being illegally transported, transacted, stored, felled, collected and in possession.
21. The forestry official shall prepare a seizure list as per the format prescribed in the Rules.
22. Any forest produce listed under Schedule I seized under Section 20 shall be confiscated and surrendered to the Department.
23. Any seized forest produce pertaining to wild fauna listed under Schedule II and III shall be confiscated.
24. Any seized forest produce pertaining to wild flora listed under Schedule II and III shall be confiscated with the payment of fine as prescribed in the Rules and compensation at fair market value. In the event, the seized forest produce other than special class timber is to be released, the offender shall pay cost at fair market value in addition to fine and compensation.
25. The forest produce confiscated shall be disposed as per the procedure prescribed in the Rules.
26. The livestock used for transportation of illegal forest produce shall be seized and released upon completion of registration of offence for illegal transport of forest produce with the concerned Forest Office.

### **Power to confiscate vehicle, equipment and machinery**

27. The Forestry Official shall exercise the power to confiscate any vehicle, equipment or machinery used in commission of forest offence.

### **Settlement of Offence**

28. The Range Officer shall exercise the authority to settle forest offence involving payment of fines under section 169 to 210 of this Act and report to the concerned Division or Park Office on a periodic basis.

### **Custody of the Arrested Person**

29. The detention of person arrested under this Act, where necessary, shall be with the Royal Bhutan Police.

### **Identification Card**

30. The Department shall issue identification card to all forestry official for exercising the powers and functions under this Act.

31. The forestry official shall on demand, produce the identification card to the person against whom the power is being exercised.

### **Entitlement of Uniform**

32. The forestry official shall be entitled to a uniform as prescribed in the Rules and its use shall be in conformity with the Forestry Uniform Code.

### **Arms and Ammunition**

33. The forestry official may be issued with the arms and ammunition to carry out functions under this Act.



## **Forestry Hammer**

34. The forestry hammer shall be the property of the State and the Department shall maintain a registry of the hammer as prescribed in the Rules.
35. The Department shall design and distribute forestry hammer to the field office under the Department.
36. The forestry hammer impression shall be required for felling of tree, movement, seizure or release of timber.

## **CHAPTER III**

### **STATE RESERVED FOREST LAND**

37. Any land in Bhutan, which are not State Land or private registered land shall constitute State Reserved Forest Land.
38. The State Reserved Forest Land shall be managed under different management regime including Protected Area, Community Forest, Forest Management Units, Local Forest Management Area, Working Scheme Area, Watershed, Wetland and any other management regime prescribed in the Rules unless allotted under the Land Act of Bhutan.
39. Any inclusion into or exclusion from State Reserved Forest Land shall be dealt as per the provisions of the Land Act of Bhutan.

#### **Declaration of Protected Area and Other Management Regimes**

40. The Parliament may by law, declare any part of the country to be a National Park, Wildlife Reserve, Nature Reserve, Protected Forest, Biosphere Reserve, Critical Watershed, Biological Corridor, significant wetland of international importance and such other categories meriting protection upon the recommendation of National Environment Commission based on the proposal of the Ministry.

#### **Protected Area Management Zone**

41. The protected area may be delineated into core zone, transition zone, buffer zone and multiple use zone considering wildlife habitat, species richness, traditional right, dominant land use and resource extraction area as per procedure prescribed in the Rules.
42. The mining, quarrying and developmental activity in the core zone of the protected area shall be prohibited.

43. The quarrying activity may be allowed in the protected area other than core zone for rural use by the local inhabitant or for developmental activity within the protected area.

### **Forest Produce in State Reserved Forest Land**

44. Any forest produce in State Reserved Forest Land shall belong to the State and its harvest shall be regulated under this Act.
45. Extraction or harvest of any forest produce shall be allowed in State Reserved Forest Land based on the approved Management Plan for the area as prescribed in the Rules.
46. Any forest produce found within the road right of way or transmission line corridor shall belong to the State and shall be disposed of by the Department as per the procedure prescribed in the Rules.
47. The allotment of timber from any State Reserved Forest Land within 600 feet uphill and 300 feet downhill or 100 feet on both sides of the flat land from the centre of the national highway; 400 feet uphill and 200 feet downhill or 70 feet on both sides of flat land from the centre of the Dzongkhag Road and 200 feet uphill and 100 feet downhill or 50 feet on both sides of flat land from the centre of the farm road and other roads shall not be permitted except in forest road as per the Management Plan.

### **Forestry Clearance**

48. Any activity carried out in the State Reserved Forest Land shall require forestry clearance, issued by the Department.
49. Notwithstanding anything contained in Section 48, the Head of the Department may delegate the authority to issue forestry clearance to its field office based on the technical categorization of activity in the Rules.
50. Forestry clearance shall not be issued for any activity in State Reserved Forest Land which fall in:

- (1) Declared critical watershed and core zone of protected area;
- (2) High forest, declared wetland, within 600 feet uphill and 300 feet downhill or 100 feet on both sides of the flat land from the centre of the national highway, 400 feet uphill and 200 feet downhill or 70 feet on both sides of flat land from the centre of the Dzongkhag Road and 200 feet uphill and 100 feet downhill or 50 feet on both sides of flat land from the centre of the farm road and other roads, inside forest plantation with more than 25 percent survival rate, outside 200 meters of existing settlement or slope greater than 45 degrees except for national developmental activity;
- (3) Areas within 100 feet from the bank or edge of any water body except for collection of River Bed Material from the identified site;
- (4) Water recharge area identified by the Department;
- (5) Areas within 500 meters from the plinth of the monastery or Dzong, where there is no settlement nearby except for construction of access road and power supply line; and
- (6) Areas outside the core zone of protected areas except for native inhabitants for their domestic use and national developmental activity.

### **Payment for Ecosystem Services**

51. The Department may institute mechanisms for realizing resilience against climate change impacts, payment for ecosystem services, green accounting and financial plough-back through public participation and partnership for conservation and sustainable management of forest resources and ecosystem services.

## CHAPTER IV

### FOREST MANAGEMENT AND PROTECTION

52. The State Reserved Forest Land shall be managed and protected under different forest management regime for effective and efficient management as per the Forest and Nature Conservation Code of Best Management Practices of Bhutan.
53. The felling and extraction of timber from State Reserve Forest Land shall require valid permit and hammer impression.
54. The felling and extraction of timber from State Reserve Forest Land within the stipulated distance from the bank and edge of water body and road as per section 50; and in the core zone of protected area and declared critical watershed shall be prohibited.

#### **Community Forest**

55. The Department may facilitate establishment of Community Forest to encourage sustainable management of trees and non-wood forest produce by the community to derive socio-economic and environmental benefit.
56. The right of Community Forest Management Group members is limited to use and management of trees and non-wood forest produce and shall have no ownership over the land, water resources, soil, sand, stone, boulder and riverbed materials in the Community Forest.
57. The management of Community Forest shall be guided by Community Forest Management Plan and any activity in Community Forest shall be regulated as per the procedure prescribed in the Rules.
58. The Department may facilitate the institution of Community Forest Networking Group for collaboration and cooperation.
59. The Government shall exercise right to implement and execute any developmental activity of national importance in the Community Forest. In the event the Community Forest is taken over by the government, a fair compensation determined by the Department may be paid to the Community Forest Management Group.

60. Any Community Forest Management Group failing to comply with the Community Forest management plan shall be suspended and reinstated or terminated as per the procedure prescribed in the Rules.

### **Private Forest**

61. Any private registered land may be managed as private forest for domestic and commercial harvest of forest produce as per the procedure prescribed in the Rules.

### **Institutional Forest**

62. Any forest produce on State Reserved Forest land to be allotted or leased to Institution other than *Thromde* shall belong to the State and such forest produce shall be extracted or harvested by the Department or authorized agency prior to allotment or leasing.

63. Notwithstanding anything contained in Section 62, the institution leasing land for long term may be allowed to use the forest produce for institution use other than commercial purpose upon approval from the Ministry as per the procedure prescribed in the Rules.

### **Industrial Forest**

64. Any forest produce on State Reserved Forest land to be allotted or leased to Industry shall belong to the State and such forest produce shall be extracted or harvested by the Department or authorized agency prior to allotment or leasing.

65. Notwithstanding anything contained in Section 64, the tree or Non-Wood Forest Produce planted after the allotment or lease of land shall be managed and belong to the concerned industry and its use shall be as per the procedure prescribed in the Rules.

## **Production Forest**

66. The State Reserved Forest Land may be designated as production forest primarily for production of timber, firewood and other forest produce as per the procedure prescribed in the Rules.
67. The Department shall manage production forest through the Forest Management Unit or any other suitable management regime to ensure sustainable production, and utilization of forest produce as per the approved Management Plan.
68. The harvest and utilization of forest produce from production forest shall be regulated by the Department as per the procedure prescribed in the Rules.

## **Urban Forest**

69. The Department may collaborate with *Thromde* in improving urban greenery, aesthetic values and to enhance environmental and social benefit.
70. Any removal or harvest of forest produce from the *Thromde* area shall comply to the procedures prescribed in the Rules.

## **Plantation in State Reserved Forest Land**

71. The Department may carry out plantation or outsource plantation activity to any authorized agency and such plantation shall be carried out as per the Technical Guidelines issued by the Department.
72. The Department or any authorized agency or Community Forest Management Group shall carry out reforestation after harvesting of the timber as per the Technical Guidelines.
73. Any agency or an individual voluntarily carrying out plantation shall require approval from the Department to ensure compliance to the Technical Guidelines and forest produce shall belong to the State.

74. The compensatory plantation in State Reserved Forest Land shall be carried out by the agency responsible for deforestation or damage caused to the forest produce for taking up any developmental activity.
75. The Department may establish a nursery on need basis to carry out plantation.

### **Forest Fire**

76. It shall be the fundamental duty of every Bhutanese to prevent and protect forest from fire hazard and setting of forest fire to State Reserved Forest Land shall be prohibited except as allowed under Section 80.
77. The Department shall be responsible to prevent and protect forest from being damaged by fire through adoption and implementation of various forest fire management practices.
78. The Department shall institute Inter-Agency Forest Fire Coordination Group to combat forest fire and Community-based Forest Fire Management Group to prevent, combat and manage forest fire.
79. The Department shall carry out post-forest fire management for restoration of the damaged area.
80. The Department may allow controlled or prescribed burning for habitat management and prevention of forest fire.

### **Pest and Disease**

81. The Department shall be responsible to prevent, detect and manage outbreak of pest and disease in forest through scientific research and management as per the procedure prescribed in the Rules in collaboration with relevant agency.
82. The Department shall collaborate with relevant agencies to prevent spread of forest and wildlife pests and disease from internal movement or import of plant and plant products.
83. The Department shall adopt appropriate measures to combat outbreak and prevent spread of disease to wild animals in State Reserved Forest Land in collaboration with relevant agency.



## **Forestry Research**

84. The Ministry shall approve all forestry and biodiversity research in State Reserved Forest Land in the country.
85. Any forestry or biodiversity research in State Reserved Forest Land shall be as per the research procedure adopted by the Ministry.

## **Monitoring and Evaluation**

86. The Department shall carry out monitoring and evaluation of activity in the State Reserved Forest Land.
87. The Ministry may constitute a group of technical experts from the Department or designate any authorized agency to monitor and evaluate activity carried out in State Reserved Forest Land.

## CHAPTER V

### NATURE CONSERVATION

88. Any wild fauna and flora in Bhutan are protected, whether or not in State Reserved Forest Land and killing, injuring, destroying, capturing, collecting, possessing, breeding, raising, cultivating and trading of any wild fauna and flora specimen or product is not allowed unless permitted by this Act.
89. All wild fauna and flora in Bhutan, which warrants protection shall be listed under Schedule I, II and III of this Act.
90. Any species of wild fauna and flora newly discovered that warrants protection shall be categorized under Schedule III until the species warrants upgradation to Schedule I or II under this Act.

#### **Conservation of Wild Fauna**

91. Any wild fauna listed in Schedule I shall not be killed, injured or destroyed except in defense against attack, imminent threat to human life or for population management as recommended by the Scientific Authority.
92. Any wild fauna listed in Schedule I shall not be captured, collected, possessed, bred, raised or traded except for scientific research or population management including conservation breeding as recommended by the Scientific Authority.
93. Any wild fauna listed in Schedule II and III is also protected and may not be killed, injured, destroyed, captured, collected, possessed, bred, raised or traded except for approved fishing, scientific research, population management, defense against attack or imminent threat on human life or livestock, damage to crop or other private property.
94. In the event that any wild fauna is injured or killed in defense under Section 91 and 93, the incident shall be immediately reported to the nearest Forest Office and wildlife specimen shall be handed over to the Forest Office.

95. In the event that any wild fauna is found injured in the wild or injured in defense against attack, such incident shall be reported to the nearest Forest Office for rescue and rehabilitation.
96. Any person feeding wild fauna except in enclosure and for scientific research and disturbing wild fauna in State Reserved Forest Land by use of electronic device, call playback or flushing shall be prohibited.
97. Laying trap or snare in State Forest Reserved Land, State Land or private registered land to kill or capture wild fauna species shall be prohibited.

### **Conservation of Wild Flora**

98. Any wild flora listed in Schedule I shall not be collected, possessed or traded except, for scientific research and population management including conservation breeding on the recommendation of the Scientific Authority.
99. The Department shall allow cultivation, collection or trade of any wild flora listed in Schedule II and III as per the procedure prescribed in the Rules.

### **Conservation Breeding**

100. The conservation breeding for wild fauna and flora shall be carried out by the Department or any other authorized agency approved by the Ministry as per the procedures prescribed in the Rules on the recommendation of the Scientific Authority for population management, research and education; and *ex-situ* conservation.

### **Species Conservation**

101. The Department may collaborate with relevant agency or conservation support group to carry out species conservation to protect, preserve, manage and restore wild fauna and flora; and their natural habitat.

102. The Department shall approve Species Conservation Plan and carry out compliance monitoring.

#### **Possession of Wild Fauna trophy**

103. No person or agency shall be allowed to possess wild fauna trophy under this Act except for scientific research and education.

104. Notwithstanding anything contained in Section 103, any person or agency in possession of any wild fauna trophy listed in Schedule I, II and III prior to commencement of this Act shall declare to the Department for registration and for issue of certificate of possession as family heirloom and shall not be transferred, traded and gifted to any person except through inheritance.

#### **Introduction of invasive, alien or exotic species**

105. A person shall not introduce any invasive or alien or exotic species of fauna and flora in the State Reserved Forest Land.

106. The Department shall adopt appropriate measure to manage spread of invasive or alien or exotic species of fauna and flora.

#### **Release of Rescued Domestic Animal**

107. Any release of rescued domestic animal in State Reserved Forest Land is restricted, except in the area leased for that purpose.

#### **Confiscated wild fauna and flora specimen**

108. Any confiscated wild fauna specimen listed in Schedule I, II and wild flora specimen listed in Schedule I shall be surrendered to the Department by the Chief Forestry Officer upon settlement of the case.

109. Any wild fauna and flora specimen surrendered under Section 108 shall be curated, preserved or mounted for use in scientific research and education; or disposed of by the Department as per the procedure prescribed in the Rules.

110. Any confiscated wild fauna specimen listed in Schedule III; and wild flora specimen listed in Schedule II and III shall be disposed of by the Chief Forestry Officer as per the procedure prescribed in the Rules.

111. Any confiscation of wild fauna or flora specimen shall be carried out with issuance of seizure memo in compliance to the requirement prescribed in the Rules.

112. Any wild fauna and flora specimen seized by other relevant agency shall be handed over to the Department upon completion of their internal procedures.

### **Fishing**

113. Fishing in any river, stream, lake or natural pond other than restricted area in State Reserved Forest Land shall be regulated by the Department as per the procedure prescribed in the Rules.

114. The fishing right may be granted to the local community in State Reserved Forest Land, whose livelihood depend on fishing, with approved Community Based Fishery Management Plan.

115. The Department shall carry out delineation of any river, stream, lake or natural pond into different category to manage and regulate fishing as per the procedure prescribed in the Rules.

116. Fishing by river diversion, using large net, trap or snare, use of poison, dynamite, explosive, electrical device, building dam is prohibited.

117. Fishing for consumption shall be prohibited during the days and months specified in the Rules.

### **Nature Recreation and Ecotourism**

118. The Department shall approve ecotourism and nature recreation in the State Reserved Forest Land in consultation with relevant stakeholders, considering environment conservation, socio-cultural and economic factors.

## **Human Wildlife Conflict Management**

119. The Ministry may adopt and implement science and research based innovative measures to prevent and mitigate human wildlife conflict.

120. The Government shall institutionalize appropriate measures to address loss of life or cause of permanent disability to a human or damage to crop and livestock by wildlife.

## CHAPTER VI

### SOIL, WATER AND WASTE MANAGEMENT

#### Soil Conservation

121. The Department shall carry out afforestation, reforestation and soil conservation program in State Reserved Forest Land to prevent and protect soil degradation and soil erosion in consultation with relevant stakeholders as per the Technical Guidelines.

#### Watershed

122. The Department shall carry out technical assessment to classify watershed in the country.

123. The watershed classified as degraded shall be managed with appropriate management interventions.

124. Any mining, quarrying and developmental activity in the declared critical watershed shall be prohibited.

#### Wetland

125. The Department shall carry out technical assessment of wetland to ensure its protection and conservation.

126. The Ministry shall on the recommendation of the Department propose to the Parliament, for declaration of significant wetland of international importance.

127. The wetland declared under Section 126 shall be protected and managed by the Department under appropriate Management Plan approved by the Ministry.

#### Waste Management

128. The Department shall adopt preventive measures and monitor waste in the State Reserved Forest Land.

129. The waste in State Reserved Forest Land shall be regulated under the Waste Prevention and Management laws of the country.

## CHAPTER VII

### ALLOTMENT OF TIMBER AND NON-WOOD FOREST PRODUCE

#### **Timber in State Forest Reserved Land**

130. Any timber in State Reserved Forest Land shall be harvested or removed as per approved scientific forest Management plan.

#### **Granting of Subsidized Timber**

131. Granting of subsidized timber shall be the prerogative of the Druk Gyalpo.

#### **Allotment of Commercial Timber**

132. The Department may allot commercial timber depending on the availability of resources from State Reserved Forest Land at the commercial royalty rate either directly or through authorized agency as per the procedure prescribed in the Rules.

133. The authorized agency shall harvest and dispose commercial timber from the area identified by the Department as per the procedure prescribed in the Rules.

134. The Department may allot commercial timber in standing form for any construction in remote location if the following criteria are fulfilled:

- (1) Construction site is in remote location with no road access;
- (2) The applicant has construction approval from concerned agency; and
- (3) Timber estimate have been approved by the concerned agency.

#### **Auction of Timber**

135. Any special class timber shall be harvested by the authorized agency and shall be disposed through open auction except from private registered land.



### **Allocation of Forest Produce for Other Use**

136. The Department may allot firewood and fencing post in rural areas, and flag poles at commercial royalty rate as per the quantity and allotment procedure prescribed in the Rules.

137. The Department may designate any authorized agency to supply firewood and fencing post outside rural areas as per the allotment procedure prescribed in the Rules.

138. The forest produce for *chadri*, national *kurim* and handicraft items shall be allotted at commercial royalty rate as per the criteria and allotment procedure prescribed in the Rules.

### **Non-Wood Forest Produce for Rural and Commercial Use**

139. The harvest of Non-Wood Forest Produce from State Reserved Forest Land except for the wild flora listed in Schedule I shall be free of royalty for personal use.

140. The Department shall facilitate formation of Non-Wood Forest Management Group to encourage sustainable management of Non-Wood Forest Produce by the rural community to derive socio-economic and environmental benefit.

141. The management of Non-Wood Forest Produce shall be guided by Non-Wood Forest Produce Management Plan approved by the Department and shall be regulated as per the procedure prescribed in the Rules.

142. Any local community whose livelihood is dependent on Non-Wood Forest Produce shall be allowed to harvest on priority basis and such harvest shall be regulated through management plan.

143. Any Non-Wood Forest Management Group failing to comply with Non-Wood Forest Produce management plan shall be suspended and re-instated or terminated as per the procedure prescribed in the Rules.

144. Harvest and collection of Non-Wood Forest Produce from State Reserved Forest Land except for the wild flora listed in Schedule I shall be allowed upon payment of fees and royalty at commercial rate for commercial use.

### **Unclaimed Drift Timber**

145. Any drifttimber foundstranded or sunk shall become property of the State, if no person can establish a valid right of ownership within one month from the date of notification as prescribed in the Rules. In the event the timber is not claimed, it may be allowed for collection with permit.

### **Timber and Non-Wood Forest Produce from Private Registered Land**

146. Any tree or Non-Wood Forest Produce on the private registered land shall belong to the land owner; and removal and utilization shall be allowed upon authentication of *Thram* from the Local Government and Dzongkhag Land Sector; and verification of forest resources by the Department as per the procedure prescribed in the Rules.

**CHAPTER VIII**  
**FOREST BASED INDUSTRY**

**Classification**

147. The Forest based industry shall include wood-based industry and non-woodbased industry.

148. The Department shall prescribe classification of wood-based industry into primary and secondary wood-based industry in the Rules according to the types of raw material used.

149. The Department shall promote establishment of integrated wood-based industry for value addition and minimization of timber waste.

**Clearance**

150. The Department may issue forestry clearance for obtaining business license to establish any primary wood-based industry under this Act provided there is an adequate and sustainable supply of forest produce in accordance with applicable Management Plan.

151. The Department shall suspend issuance of forestry clearance for one or more primary wood-based industry based on resource availability through public notification.

152. Establishment of secondary wood-based industry shall not require forestry clearance from the Department for obtaining business license.

**Operation**

153. The Department shall regulate operation of all Forest-based industry in accordance with the procedure prescribed in the Rules.

**Registration and Certification**

154. Any Forest-based industry shall be duly registered with the Department that shall issue the certificate for registration.

155. Any stationed and portable machinery shall be registered with the Department that shall issue certificate of registration for possession of such machinery.

## CHAPTER IX

### TRADE AND TRANSPORT OF FOREST PRODUCE

156. The Department shall regulate import, export, re-export, trade or transit of all forest produce into or out of the country.
157. All export, re-export and transit of the wild fauna specimen listed in Schedule I, II and III; and flora specimen listed in Schedule I for scientific research, conservation breeding and education purpose shall require permit from Management Authority.
158. The Management Authority shall issue permit under Section 157 based on technical recommendation of the Scientific Authority.
159. The Management Authority may grant permit for any export, re-export or transit of the wild flora specimen listed in Schedule II and III based on technical recommendation of the Scientific Authority.

#### **Import**

160. The Ministry may allow import of forest produce accompanied by relevant document to meet the demand in the country except wild fauna specimen unless otherwise allowed under this Act.

#### **Export**

161. The Ministry shall not allow export of timber in log form and sawn form; and firewood except in a situation, where the timber has no market within the country as per the procedure prescribed in the Rules.
162. The export or re-export of all wild flora specimen listed under Schedule II and III shall be allowed in accordance with this Act.
163. The export and re-export of wild flora listed in schedule I and wild fauna specimen listed in Schedule I, II and III shall not be allowed except for the scientific research, conservation breeding and education purpose.

164. Any timber from dismantled structure shall be allowed for export except the timber from religious structure.

### **Internal Movement**

165. The Department shall regulate movement of forest produce as per the procedure prescribed in the Rules.

### **Forest Check Gate and Checkpoint**

166. Movement of any forest produce shall be declared at the established check gate for inspection.

167. The Department shall also carry out inspection of forest produce movement through designation of checkpoint.

### **Permit**

168. The Department shall issue permit for harvest, collection, research and education, movement and trade of any forest produce as per the procedure prescribed in the Rules.

## CHAPTER X

### OFFENCE AND PENALTY

#### *Civil Offence*

##### **Illegal fishing**

169. Any person fishing without the valid permit in any river, stream, lake or natural pond is an offence under this Act and shall be liable for payment of fines and confiscation of fishing gears prescribed in the Rules.
170. Any person fishing in restricted area of river, stream, lake or natural pond is an offence under this Act and shall be liable for payment of fines and confiscation of fishing gears prescribed in the Rules.
171. Any person fishing by river diversion, using large net, trap or snare is an offence under this Act and shall be liable for fines and confiscation of fishing gears as prescribed in the Rules.
172. Any person fishing in river, stream, lake or natural pond in prohibited months and days is an offence under the Act and shall be liable for payment of fines and confiscation of fishing gears as prescribed in the Rules.

##### **Illegal mining, quarrying and developmental activity**

173. Any person carrying out mining, quarrying and developmental activity without forestry clearance in State Reserved Forest Land is an offence under this Act and shall be liable for payment of fines and compensation as prescribed in the Rules.
174. Any person carrying out mining, quarrying and developmental activity in the declared critical watershed shall be an offence under this Act and shall be liable for a fine and compensation as prescribed in the Rules.
175. Any person carrying out mining in the protected area; quarrying and developmental activity in the core zone of the protected area shall be an offence under this Act and shall be liable for a fine and compensation as prescribed in the Rules.

176. Any person carrying out quarrying activity in the protected area other than core zone which is not for rural use by the local inhabitant or for developmental activity within the protected area shall be an offence under this Act and shall be liable for a fine and compensation as prescribed in the Rules.

177. Any machinery and equipment used for illegal mining, quarrying and developmental activity carried out under Sections 173, 174, 175 and 176 shall be confiscated and disposed as per the procedure prescribed in the Rules.

#### **Introduction of invasive, alien or exotic species**

178. Any person introducing invasive, alien or exotic wild fauna or flora species in the country that pose risk to the native species or spread pest and disease in State Reserved Forest Land is an offence under this Act and shall be liable to pay fines and destroy the species as per the procedure prescribed in the Rules.

#### **Release of exotic fish in water body**

179. Any person releasing exotic fish species in any water body across the country is an offence under this Act and shall be liable for payment of fines as prescribed in the Rules.

#### **Risking of wild fauna species**

180. Any person killing, injuring, destroying, collecting, breeding or raising wild fauna listed under Schedule II and III is an offence except in accordance with this Act and shall be liable for payment of fines, confiscation of the specimen and equipment as prescribed in the Rules.

#### **Illegal possession of wild fauna specimen listed under Schedule II and III**

181. Any person who possesses wild fauna specimen listed under Schedule II and III is an offence under this Act except in accordance with this Act and shall be liable for payment of fines and confiscation of specimen as prescribed in the Rules.



### **Illegal felling and extraction of trees**

182. Any person illegally felling and extracting special class timber listed under Schedule II without valid permit and hammer impression is an offence under this Act; and shall be liable for payment of fines, compensation at fair market value and confiscation of the timber as prescribed in the Rules.

183. Any person illegally felling and extracting other class timber listed under Schedule II and III from State Reserved Forest Land without valid permit and hammer impression is an offence under this Act; and shall be liable for payment of fines, compensation at fair market value, cost at fair market value and release of timber; or payment of fines, compensation at fair market value and confiscation of the timber as prescribed in the Rules.

184. Any person illegally felling tree within the stipulated distance from the bank or edge of the water body and road as specified under Section 50 is an offence under this Act and shall be liable for payment of fines and compensation at fair market value and confiscation; or payment of fines, compensation at fair market value, cost at fair market value and release of timber.

185. Any person illegally felling tree in core zone of protected area and critical watershed is an offence under this Act and shall be liable for payment of fines and compensation at fair market value and confiscation; or payment of fines, compensation at fair market value, cost at fair market value and release of timber.

### **Feeding of wild fauna in State Reserved Forest Land**

186. Any person feeding wild fauna except in enclosure and for scientific research is an offence under this Act and shall be liable for payment of fines as prescribed in the Rules.

### **Disturbance to wild fauna**

187. Any person disturbing wild fauna in State Reserved Forest Land by use of electronic device, call playback or flushing is an offence under this Act and shall be liable for payment of fines and confiscation of equipment as prescribed in the Rules.

### **Release of rescued domestic animal**

188. Any person or agency releasing rescued domestic animal in State Reserved Forest Land except in the leased area is an offence under this Act and shall be liable for payment of fines as prescribed in the Rules.

### **Illegal extraction and harvest of timber**

189. Any illegal extraction or harvest of special class timber listed under Schedule II from State Reserved Forest Land is an offence under this Act; and shall be liable for payment of fines, compensation at fair market value and confiscation of the timber as prescribed in the Rules.

190. Any illegal extraction or harvest of other class timber listed under Schedule II and III from State Reserved Forest Land is an offence under this Act; and shall be liable for payment of fines, compensation at fair market value, cost at fair market value and release of timber; or payment of fines, compensation at fair market value and confiscation of the timber as prescribed in the Rules.

### **Illegal extraction and harvest of Non-Wood Forest Produce other than timber**

191. Any person illegally extracting or harvesting Non-Wood Forest Produce other than timber listed under Schedule II and III from State Reserved Forest Land is an offence under this Act; and shall be liable for payment of fines, compensation at fair market value, cost at fair market value and release of produce; or payment of fines, compensation at fair market value and confiscation of produce as prescribed in the Rules.

### **Setting of forest fire**

192. Any person setting State Reserved Forest Land or State Land on fire is an offence under this Act and shall be liable for payment of fines as prescribed in the Rules and payment of restoration cost determined based on the acreage of forest damaged by fire.

### **Research on State Reserved Forest Land**

193. Any person conducting research in State Reserved Forest Land without approval from the Ministry is an offence under this Act and shall be liable for payment of fines as prescribed in the Rules and confiscation of research materials.

### **Trade of wild fauna and flora specimen listed under Schedule II and III**

194. Any person involved in trade of wild fauna and flora specimen listed under Schedule II and III is an offence except in accordance with this Act and shall be liable for payment of fines and confiscation of specimen as prescribed in the Rules.

195. Any person involved in trade of wild flora specimen of special class timber listed under Schedule II is an offence under this Act and shall be liable for payment of fines and compensation at fair market value and confiscation of specimen as prescribed in the Rules.

196. Any person involved in trade of wild flora specimen other than special class timber listed under Schedule II and III is an offence except in accordance with this Act and shall be liable for payment of fines and compensation at fair market value, cost at fair market value and release of specimen; or payment of fines, compensation at fair market value and confiscation of the specimen as prescribed in the Rules.

### **Killing or injuring of wild fauna listed under Schedule II and III**

197. Any person killing, injuring, destroying, capturing, collecting, breeding and raising of wild fauna species listed under Schedule II and III is an offence under this Act and shall be liable for payment of fines and confiscation of specimen and equipment as prescribed in the Rules except for approved fishing, scientific research, population management, defense against attack or imminent threat on human life or livestock, damage to crop or other private property.

### **Use of animal to transport illegal forest produce**

198. Any person using animal for transportation of illegal forest produce is an offence under this Act and shall be liable for payment of fines as prescribed in Rules and animal shall be released upon completion of registration of an offence.

### **Laying of trap and snare**

199. Any person laying trap or snare in State Forest Reserved Land, State Land or private registered land to kill or capture wild fauna species is an offence under this Act and shall be liable for payment of fines and confiscation of equipment as prescribed in the Rules.

### **Import, export, transit or re-export of wild fauna and flora specimen**

200. Any person importing, exporting, transacting or re-exporting wild fauna specimen listed under Schedule II and III of this Act without valid permit is an offence under this Act and shall be liable for payment of fines as prescribed in the Rules in addition to confiscation of specimen.

201. Any person importing, exporting, transacting or re-exporting wild flora specimen listed under Schedule II and III of this Act without valid permit is an offence under this Act and shall be liable for payment of fines, compensation at fair market value, cost at fair market value and release of specimen; or payment of fines, compensation at fair market value and confiscation of the specimen as prescribed in the Rules.

### **Illegal activity in State Reserved Forest Land**

202. Any person carrying out any activity in the State Forest Reserved Land without forestry clearance from the Department is an offence under this Act and shall be liable for payment of fines as prescribed in the Rules and payment of restoration cost determined based on the acreage of area damaged.

### **Removal of forest produce from private registered land**

203. Any person removing forest produce from private registered land without valid permit and hammer marking impression in case of timber or without valid permit for non-wood forest produce is an offence under this Act and shall be liable for payment of fines as prescribed in the Rules.

### **Illegal operation of Forest based Industry**

204. Any person operating Forest based Industry without registration certificate is an offence under this Act and shall be liable for payment of fines as prescribed in the Rules and confiscation of machinery and equipment.

### **Illegal use of timber in Forest based Industry**

205. Any Forest based Industry involved in sawing, processing or utilizing illegal timber is an offence under this Act and shall be liable for payment of fines, compensation at fair market value, confiscation of the timber and cancellation of registration certificate as prescribed in the Rules.

### **Misuse of subsidized timber and forest produce allotted for other purpose**

206. Any person misusing subsidized timber granted under Section 131 or forest produce allotted as firewood, fencing post, flag pole or for handicraft items under Sections 136 to 138 other than for intended purpose is an offence under this Act and shall be liable for payment of fines and compensation at fair market value and confiscation as prescribed in the Rules.

### **Non-declaration of forest produce**

207. Any person transporting forest produce without declaration at the check gates is an offence under this Act and shall be liable for payment of fines as prescribed in the Rules.

### **Transport of timber without hammer impression**

208. Any person transporting or transiting timber without valid hammer impression is an offence under this Act and shall be liable for payment of fines as prescribed in Rules.

### **Non registration of Mobile Machinery**

209. Any person using mobile machinery in Forest based Industry or inside State Forest Reserved Land without registration certificate is an offence under this Act and shall be liable for payment of fines as prescribed in the Rules and confiscation of the mobile machinery.

### **Subsequent Offence**

210. Any person who commits an offence listed under Sections 169 to 209 of this Act for second time shall be liable for payment of 50% additional fine on the fine component imposed for commission of that offence, additional fine of 100% and 200% for commission of an offence for three and more times.

## ***Criminal Offence***

### **Killing of wild fauna listed in Schedule I**

211. A defendant shall be guilty of an offence of killing wild fauna species listed in Schedule I of this Act except in accordance with this Act, if the defendant knowingly or intentionally kills the wild fauna species listed under Schedule I of this Act.

212. The offence of killing of wild fauna species listed under Schedule I of this Act shall be a felony of third degree; and the specimen shall be confiscated with payment of compensation for missing part as prescribed in the Rules.

### **Illegal collection, harvesting, capturing or destroying of wild fauna and flora listed in Schedule I**

213. A defendant shall be guilty of an offence of illegal collection, harvesting, capturing or destroying of wild fauna or flora species or specimen listed in Schedule I of this Act except in accordance with this Act, if the defendant knowingly or intentionally collects, harvest, captures or destroys wild fauna or flora species or specimen listed under Schedule I of this Act.

214. The offence of illegal collection, capturing or destroying of wild fauna listed in Schedule I shall be a felony of fourth degree and the specimen shall be confiscated with payment of compensation for missing part as prescribed in the Rules.

215. The offence of illegal collection, harvesting or destroying of wild flora listed in Schedule I shall be a misdemeanor and the specimen shall be confiscated with payment of compensation for missing part as prescribed in the Rules.

### **Illegal trade of wild fauna or flora specimen listed in Schedule I**

216. A defendant shall be guilty of an offence of illegal trade of wild fauna or flora specimen listed under Schedule I of this Act except in accordance with this Act, if the defendant transacts or deals in sale of wild fauna or flora specimen listed under Schedule I of this Act.

217. The offence of illegal trade of wild fauna specimen listed in Schedule I shall be a felony of fourth degree and the specimen shall be confiscated.

218. The offence of illegal trade of wild flora specimen listed in Schedule I shall be a misdemeanor and the specimen shall be confiscated.

### **Illegal possession of wild fauna or flora specimen listed in Schedule I**

219. A defendant shall be guilty of an offence of illegal possession of wild fauna or flora specimen listed under Schedule I of this Act except in accordance with this Act, if the defendant without the certificate of possession from the Department possess specimen of wild fauna or flora specimen listed under Schedule I of this Act.

220. The offence of illegal possession of wild fauna specimen listed in Schedule I shall be a misdemeanor and the specimen shall be confiscated.

221. The offence of illegal possession of wild flora specimen listed in Schedule I shall be a petty misdemeanor and the specimen shall be confiscated.

### **Causing injury to wild fauna species listed in Schedule I**

222. A defendant shall be guilty of an offence causing injury to wild fauna species listed in Schedule I of this Act, if the defendant knowingly or intentionally causes injury to wild fauna species listed under Schedule I of this Act.

223. The offence of causing injury to wild fauna species listed in Schedule I shall be a misdemeanor.

### **Illegal breeding or raising of wild fauna species listed in Schedule I**

224. A defendant shall be guilty of an offence of illegal breeding or raising of wild fauna listed under Schedule I of this Act, if the defendant without the approval from the Department breed or raise wild fauna species listed under Schedule I of this Act.

225. The offence of illegal breeding or raising of wild fauna species listed in Schedule I shall be a misdemeanor.



### **Illegal cultivation of wild flora species listed in Schedule I**

226. A defendant shall be guilty of an offence of illegal cultivation of wild flora listed under Schedule I of this Act, if the defendant without the approval from the Department cultivates wild flora species listed under Schedule I of this Act.

227. The offence of illegal cultivation of wild flora species listed under Schedule I of this Act shall be petty misdemeanor.

### **Illegal fishing by use of poison, explosive or electrical device**

228. A defendant shall be guilty of illegal fishing, if the defendant kills, injures, destroy or capture fish using poison, explosive or electrical device in any water bodies.

229. The grading of illegal fishing by use of poison, explosive or electrical device shall be misdemeanor.

### **Illegal manufacture, possession or use of false forestry hammer**

230. A defendant shall be guilty of an offence of illegal manufacture, possession or use of false forestry hammer, if the defendant knowingly manufactures, possess or use false forestry hammer to deceive the lawful authority.

231. The grading of illegal manufacture, possession or use of false forestry hammer shall be petty misdemeanor.

### **Smuggling of wild fauna or flora specimen**

232. A defendant shall be guilty of an offence of smuggling wild fauna and flora specimen under this Act, if the defendant discretely or illegally imports or exports or re-export wild fauna and flora specimen listed in Schedule I, II and III of this Act; or import, export or re-export wild fauna and flora specimen not native to the country.

233. The grading of smuggling of wild fauna or flora specimen shall be value-based sentencing and the specimen shall be confiscated.

**CHAPTER XI**  
**MISCELLANEOUS**

**Immunity**

234. No legal proceeding or suit shall be brought against any official of the Department that carries out its duty in exercise its official function.

235. The immunity granted under Section 234 shall not cover corrupt acts committed by any official of the Department in connection with discharge of their duty.

**Intelligence, Information and Informant**

236. Where the Department receives information on the commission or suspected commission of an offence, that information and the identity of the complainant or informer shall be confidential and all matters relating to such information shall be privileged and not disclosed unless required by the Court.

237. An informer reporting the information on commission of forestry offence shall be done in good faith and shall not report false information to a harass the other person.

**Fees and Service Charges**

238. The Ministry may levy appropriate and proportionate fees and service charges as prescribed in the Rules for delivering services to the public and other agencies under this Act, which shall be revised periodically; and as and when necessary.

**Schedule of Species**

239. The Ministry may, revise Schedule I species from time to time and propose to National Environment Commission for recommendation to Parliament for approval.

240. The Ministry may approve and revise Schedule II and III from time to time.

241. The Department shall publish a separate booklet on Schedule of species.

### **Rule Making Power**

242. The Ministry shall make Rules for the effective implementation of this Act in consultation with the relevant stakeholder.

### **Amendment**

243. The amendment of this Act by way of addition, variation or repeal may be effected only by the Parliament.

### **Authoritative Text**

244. In any instance of a difference in meaning between the Dzongkha and English texts of this Act, each text shall be regarded equally authoritative.

### **Definitions**

245. In this Act, unless the context otherwise requires:

- (1) “Act” shall mean the Forest and Nature Conservation Act of Bhutan, ..., as may be amended from time to time.
- (2) “Allotment” shall mean the disposal of forest produce through auction or any other appropriate systems defined by the Department.
- (3) “Authorized Agency” shall mean any agency authorized by the Ministry or Department to carry out the assigned functions under this Act.
- (4) “Biological Corridor” shall mean an area set aside to connect one or more Protected Areas.

- (5) “Buffer Zone” shall mean an area within a protected area adjacent to core and transition zone that provide cushioning function when the core or transition zone zones are located in the immediate vicinity of anthropogenic disturbances both from within and outside of the protected area.
- (6) “Check gate” shall mean the established check gates in the country.
- (7) “Checkpoint” shall mean any strategic point along the motorable road or footpath for conducting inspection of forest produce by the forestry official.
- (8) “Classification of Timber” shall mean classifying the timber species into different classes based on type and value in the country.
- (9) “Commercial timber” shall mean timber allotted or sold at the commercial rate of royalty.
- (10) “Community Forest” shall mean any area of State Reserved Forest Land designated for management by a local community.
- (11) “Community Forest Management Group” shall mean a group of households constituted for the management of Community Forest in accordance with approved management plan.
- (12) “Compensation” shall mean monetary payment made to the Royal Government of Bhutan at the rates fixed by the Ministry for loss incurred by way of illegal taking, felling, damaging and collection of forest produce from State Reserved Forest Land.
- (13) “Confiscation” shall mean forfeiture of seized forest produce or goods to the Royal Government. The process of confiscation shall be affected only upon completion of Court adjudication in criminal case and after settlement of offence with the Department in civil case.
- (14) “Conservation Breeding” shall mean the process of breeding wild fauna and flora outside or within their natural environment in order to conserve the genetic diversity of the species and restock or reintroduce the species to re-establish self-sustaining population in its natural wild habitat.

- (15) “Constitution” shall mean the Constitution of the Kingdom of Bhutan.
- (16) “Conveyance” shall mean any vehicle, aeroplane, train, device, machine or others used in gathering or transporting forest produce.
- (17) “Core Zone” shall mean an area within a protected area undisturbed by significant human activity having high conservation values for the persistence of fauna and flora of international, national or local importance including resident or migratory fauna.
- (18) “Critical Watershed” shall mean any area critical for protecting the supply of water for drinking, irrigation, flood control, hydroelectric project or related purpose which has been declared to be a critical watershed by the Parliament.
- (19) “Department” shall mean the Department of Forests and Park Services.
- (20) “Developmental Activity” shall mean any activity carried out by Ministry or government agency in the interest of general public for long and medium term.
- (21) “Ecosystem” shall mean community of plant and animal interacting with each other in a given area, and also with their non-living environment. The non-living environment includes weather, earth, sun, soil, climate and atmosphere.
- (22) “Exotic Species” shall mean any wild fauna and flora that is introduced outside its natural past or present distribution; and includes any part, gametes, seeds, eggs, or propagules of such species that might survive and subsequently reproduce.
- (23) “Fine” shall mean a sum of money imposed as penalty by the Ministry for violating provision of the Forest and Nature Conservation Act of Bhutan and Rules made thereunder.

- (24) “Forestcover” shall mean land with tree spanning more than 0.5 ha with tree higher than 5 meter and a canopy cover of more than 10 percent.
- (25) “Forest Fire” shall mean any fire in State Reserved Forest Land, whether anthropogenic or natural in origin.
- (26) “Forest-Based Industry” shall mean any industry which uses forest produce as its raw material.
- (27) “Forest Management Unit” shall mean an area of State Reserved Forest Land designated for scientific management of forest.
- (28) “Forest and Nature Conservation Code of Best Management Practices of Bhutan” shall mean the document providing guidelines for preparation and implementation of scientific management regimes with best practices.
- (29) “Forest Produce” shall include any of the following:
- (a) Trees, timber and Non-wood Forest Produce;
  - (b) Wild animal including fish and parts or products of wild animal including skin, hide, feather, fur, horn, antler, tusk, bone, bile, musk, honey, wax and latex; and
  - (c) Peat and soil.
- (30) “Forest Road” shall mean the road constructed primarily for the purpose of harvesting timber from area identified by the Department of Forests and Park Services.
- (31) “Forestry Uniform Code” shall mean a document adopted by the Department of Forests and Park Services detailing the design, colour, manner of wearing and frequency of issuance of uniform, rank insignia and associated articles for forestry officials.
- (32) “Forestry Official” shall mean any forestry personal trained as a forester and appointed as a civil servant under Department of Forests and Park Services to enforce any provisions of this Act.

- (33) “Government” shall mean the *Lhengye Zhungtshog*.
- (34) “Green Accounting” shall mean an accounting system which attempt to include environmental cost into the financial result of various operation.
- (35) “High Forest” shall mean trees grown by means of natural seeding and when the forest canopy cover is 40% and more.
- (36) “Inspection” shall mean careful examination of something, to determine its legality on a regular basis.
- (37) “Integrated wood-based industry” shall mean any wood processing industry having a combination or integration of sawmill unit, joinery unit, finger jointing and seasoning kiln. In addition, other wood working or processing units such as furniture unit, wood briquette or pellet unit, glulam unit, veneer and plywood unit, etc may also be included in the Integrated Wood-based Industry.
- (38) “Invasive Alien Species” shall mean any wild fauna or flora that are non-native to a particular ecosystem and whose introduction may cause economic or environmental harm or adversely affect human health.
- (39) “Invasive Species” shall mean any exotic species that become destructive to the biodiversity and environment, including decline or elimination of native species; or some native species that proliferate and become destructive to the environment.
- (40) “Local inhabitant” shall mean any person who dwell permanently in a particular area.
- (41) “Livestock” shall mean any domestic animal.
- (42) “Management Authority” shall mean a designated authority by the Ministry of Agriculture and Forests, competent to issue permits and certificates on behalf of the country for import, export and re-export of wild fauna and flora.



- (43) “Mobile machinery” shall mean movable sawmill and power chain saw.
- (44) “Ministry” shall mean the Ministry of Agriculture and Forests or any other Ministry that may become responsible for Forest.
- (45) “Multiple Zone” shall mean an area within a protected area which may include settlements, built-up areas, private registered lands and resource allocation areas for the protected area residents.
- (46) “Non-wood Forest Industry” shall mean any industry or processing unit whose primary raw materials are non-wood forest produce or their products.
- (47) “Non-wood Forest Produce” shall mean plants, leaves, seeds, barks, resin, varnish, katha, kutch, flower, bamboo, bulb, root, grass, creeper, orchid, reed, cane, fungi, moss, medicinal plant, herbs, leafmould or other vegetative growth whether dead or alive.
- (48) “Other Effective Conservation Area” shall mean a geographically defined area other than a Protected Area, which is governed and managed in ways that achieve positive and sustained long-term outcomes for the *in-situ* conservation of biodiversity, with associated ecosystem functions and services.
- (49) “Other roads” shall mean any road which are categorized by the Road Act of Bhutan and its Rules other than forest road.
- (50) “Payment for Ecosystem Services” shall mean variety of arrangements through which the beneficiaries of environmental services, from watershed protection and forest protection to carbon sequestration and landscape beauty, reward those whose land provides these services with subsidies or market payment.
- (51) “Permit” shall mean approval granted by the Department upon payment of the prescribed fee.

- (52) “Person” shall mean any individual, corporation, civil or religious association, and shall include any agency or Department of the Royal Government or any other legal entity recognized under the laws of the Kingdom of Bhutan.
- (53) “Personal Consumption” shall mean an act or process of consuming by using it or an act of a thing in a way that is used for personal, which is not for sale.
- (54) “Prescribed Burning” shall mean fire applied to forest on a designated area under favourable weather conditions to accomplish predetermined, well-defined management objective.
- (55) “Primary wood-based industry” shall mean any industry that uses timber in the form of log, pole, wood burrs; or lops and tops as raw materials for producing semi-finished or finished wood product or both.
- (56) “Private Forest” shall mean trees grown on private registered land and registered with the Department.
- (57) “Protected Area” shall mean an area, which has been declared to be a National Park, Wildlife Reserve, Nature Reserve, Protected Forest, Biosphere Reserve, Nature Reserve, Strict Nature Reserve, Critical Watershed, Biological Corridor or any other area meriting protection.
- (58) “Protected Forest” shall mean any area of State Reserved Forest Land declared for protection and conservation by the Parliament.
- (59) “Range Officer” shall mean any forestry official above the rank of Ranger, who heads the Range Office.
- (60) “Recreational area” shall mean an area set either within or outside the national park, wildlife sanctuary and strict nature reserve for recreational use and protection of areas of special scenic beauty, biodiversity and public awareness.

- (61) “Recharge area” shall mean a land area in which water percolates through the soil to recharge underground aquifers that forms springs and streams.
- (62) “Reforestation” shall mean re-establishment of tree on forest land.
- (63) “Remote location” shall mean any location from the nearest motorable road involving a minimum half day walk.
- (64) “Rules” shall mean the rules formulated as per the delegation of power by this Act.
- (65) “Scientific Authority” shall mean National Scientific Authority constituted in accordance with Section 8 to advise the management authority on the import, export and re-export of wild fauna and flora depending on their level of threat and advice on other scientific management of wild fauna and flora.
- (66) “Scientific Research” shall mean any systematic investigation of scientific theories and hypothesis using scientific method to derive a science-based results.
- (67) “Secondary wood-based industry” shall mean any industry that uses semi-finished wood products or by-products from primary wood-based industry or both as raw material for further processing and production of finished wood product.
- (68) “Secretary” shall mean Secretary responsible for the Ministry of Agriculture and Forests.
- (69) “Seizure” shall mean taking possession of the forest produce or goods which may be either released or confiscated as per the procedures prescribed in the Rules.
- (70) “Species” shall mean any species, subspecies, or geographically separate population of wild fauna and flora.
- (71) “Specimen” shall mean:

- (a) Any wild fauna or flora, whether alive or dead; and
  - (b) Any wild fauna or flora species that are listed under schedule I, II and III with readily recognizable part or its derivative thereof.
- (72) “State land” shall mean any land within the territory of *Thromde*, the ownership of which is not vested in any person and is under the custody of the Municipal Authority.
- (73) “State Reserved Forest Land” shall mean any land or water body, whether or not under vegetative cover, to which no person has acquired a permanent and transferable right of use and occupancy, which is not State land or private registered land.
- (74) “Timber” shall mean any tree, whether standing or fallen regardless of whether converted to log or sawn form.
- (75) “Transition Zone” shall mean an area of interdependence between wildlife and local communities within a protected area wherein, traditional and legal rights for sustainable use of natural resources is permitted for a designated period of time in a year.
- (76) “Urban Forest” shall mean planting and managing of trees, shrubs, grasses or flowers including landscaping if required within *Thromde* boundary for improving urban environment, aesthetic value and social benefits.
- (77) “Violation” shall mean violation of any provisions of this Act and its Rules for which the offender shall be liable to pay fines and compensation or cost at fair market value or both as prescribed in the Rules.
- (78) “Watershed” shall mean a topographically delineated area of land that drains water including subsurface, groundwater, sediment and dissolved materials to a common outlet.

- (79) “Wetland” shall mean areas of marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish, including snow and glacier.
- (80) “Wild Fauna” shall mean all mammals, birds, reptiles, amphibians, fishes and invertebrates that are not domesticated and declared as wild fauna under this act.
- (81) “Wild Fauna Trophy” shall mean a whole animal, or a readily recognizable part or derivative of a wild fauna that may be in its raw or processed form.
- (82) “Wild Flora” shall mean all plants, algae, fungi and bacteria that are not domesticated and declared as wild flora under this act
- (83) “Wildlife” shall mean both wild fauna and flora.
- (84) “Wildlife Population Management” shall mean any strategy that seeks to maintain a target population at a level that can be supported by the ecosystem through direct or indirect means by acting on to alter food supply, habitat, food chain, or disease prevalence.
- (85) “Wildlife Specimen” shall mean any animal or plant, whether alive or dead; and any readily recognizable parts or derivative thereof.
- (86) “Wood-based Industry” shall mean any industry or processing unit whose primary raw material is wood or wood-based product but doesn’t include bamboo and its product.

**SCHEDULE I  
MAMMALS**

<b>SI No.</b>	<b>Scientific Name</b>	<b>Common name</b>
1	<i>Panthera tigris</i>	Tiger
2	<i>Panthera uncia</i>	Snow Leopard
3	<i>Neofelis nebulosa</i>	Clouded Leopard
4	<i>Budorcas taxicolor</i>	Takin
5	<i>Elephas maximus</i>	Asian Elephant
6	<i>Rhinoceros unicornis</i>	Great One-Horned Rhino
7	<i>Moschus chrysogaster &amp; M. leucogaster</i>	Musk Deer
8	<i>Manis crassicaudata &amp; M. pentadactyla</i>	Pangolin
9	<i>Porcula salvania</i>	Pygmy Hog

**PLANTS**

<b>SI No.</b>	<b>Scientific Name</b>	<b>Common name</b>
1	<i>Meconopsis galydiana</i>	Blue Poppy
2	<i>Paphiopedilum venustum</i>	Himalayan Lady Slipper
3	<i>Paphiopedilum fairrieanum</i>	Lady slipper

**BIRDS**

<b>SI No.</b>	<b>Scientific Name</b>	<b>Common Name</b>
1	<i>Ardea insignis</i>	White-Bellied Heron
2	<i>Corvus corax</i>	Northern Raven
3	<i>Gyps bengalensis</i>	White-Rumped Vulture

## SCHEDULE II

MAMMALS		
SI No.	Scientific Name	Common name
1	<i>Ailurus fulgens</i>	Red Panda
2	<i>Aonyx cinereus</i>	Asian small-clawed Otter
3	<i>Arctictis binturong</i>	Binturong
4	<i>Arctonyx collaris</i>	Greater Hog Badger
5	<i>Axis axis</i>	Spotted Deer
6	<i>Axis porcinus</i>	Hog Deer
7	<i>Bos gaurus</i>	Gaur
8	<i>Bubalus arnee</i>	Wild Water Buffalo
9	<i>Canis lupus</i>	Tibetan Wolf
10	<i>Capricornis thar</i>	Himalayan Serow
11	<i>Caprolagus hispidus</i>	Hispid Hare
12	<i>Catopuma temminckii</i>	Asiatic Golden Cat
13	<i>Cuon alpinus</i>	Dhole
14	<i>Felis chaus</i>	Jungle Cat
15	<i>Lutra lutra</i>	Common Otter
16	<i>Lutrogale perspicillata</i>	Smooth-coated Otter
17	<i>Macaca munzala</i>	Arunachal Macaque
18	<i>Naemorhedus goral</i>	Himalayan Goral
19	<i>Nycticebus bengalensis</i>	Bengal Slow Loris
20	<i>Otocolobus manul</i>	Pallas's Cat
21	<i>Panthera pardus</i>	Common Leopard
22	<i>Pardofelis marmorata</i>	Marbled Cat
23	<i>Petaurista nobilis</i>	Bhutan Giant Flying Squirrel
24	<i>Prionailurus bengalensis</i>	Leopard Cat
25	<i>Prionailurus viverrinus</i>	Fishing Cat
26	<i>Pseudois nayaur</i>	Blue Sheep
27	<i>Rusa unicolor</i>	Sambar Deer
28	<i>Semnopithecus schistaceus</i>	Gray Langur
29	<i>Trachypithecus geei</i>	Golden Langur
30	<i>Trachypithecus pileatus</i>	Capped Langur
31	<i>Ursus thibetanus</i>	Asiatic Black Bear

32	<i>Vulpes vulpes</i>	Red Fox
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## BIRDS

SI No.	Scientific Name	Common Name
1	<i>Aceros nipalensis</i>	Rufous-necked Hornbill
2	<i>Aegypius monachus</i>	Cinereous Vulture
3	<i>Alcedo atthis</i>	Common Kingfisher
4	<i>Alcedo hercules</i>	Blyth's Kingfisher
5	<i>Anser indicus</i>	Bar-headed Goose
6	<i>Anthracoceros albirostris</i>	Oriental Pied Hornbill
7	<i>Aquila chrysaetos</i>	Golden Eagle
8	<i>Aquila heliaca</i>	Eastern Imperial Eagle
9	<i>Aquila nipalensis</i>	Steppe Eagle
10	<i>Arborophila mandellii</i>	Chestnut-breasted Partridge
11	<i>Aythya baeri</i>	Baer's Pochard
12	<i>Buceros bicornis</i>	Great Hornbill
13	<i>Clanga clanga</i>	Greater Spotted Eagle
14	<i>Clanga hastata</i>	Indian Spotted Eagle
15	<i>Falco peregrinus</i>	Peregrine Falcon
16	<i>Garrulax imbricatus</i>	Bhutan Laughingthrush
17	<i>Grus grus</i>	Common Crane
18	<i>Grus nigricollis</i>	Black-necked Crane
19	<i>Grus virgo</i>	Demoiselle Crane
20	<i>Gypaetus barbatus</i>	Bearded Vulture
21	<i>Gyps himalayensis</i>	Himalayan Vulture
22	<i>Haliaeetus albicilla</i>	White-tailed Eagle
23	<i>Haliaeetus leucoryphus</i>	Pallas's Fish Eagle
24	<i>Harpactes wardi</i>	Ward's Trogon
25	<i>Ketupa flavipes</i>	Tawny Fish Owl
26	<i>Lophophorus impejanus</i>	Himalayan Monal
27	<i>Megaceryle lugubris</i>	Crested Kingfisher
28	<i>Neophron percnopterus</i>	Egyptian Vulture
29	<i>Rhyticeros undulatus</i>	Wreathed Hornbill
30	<i>Sarcogyps calvus</i>	Red-headed Vulture
31	<i>Spilornis cheela</i>	Crested Serpent Eagle



32	<i>Tetraogallus tibetanus</i>	Tibetan Snowcock
33	<i>Tragopan blythii</i>	Blyth's Tragopan
34	<i>Tragopan satyra</i>	Satyr Tragopan
35	<i>Tragopan temminckii</i>	Temminck's Tragopan

#### AMPHIBIAN

SI No.	Scientific Name	Common name
1	<i>Nanorana liebigii</i>	Paa
2	<i>Tylototriton verrucosus</i>	Himalayan Newt

#### TORTOISE AND TURTLE

SI No.	Scientific Name	Common name
1	<i>Indotestudo elongata</i>	Elongated Tortoise
2	<i>Cuora amboinensis</i>	Southeast Asian Box Turtle
3	<i>Cuora mouhotii</i>	Keeled Box Turtle
4	<i>Melanochelys tricarinata</i>	Tricarinate Hill Turtle

#### REPTIE

SI No.	Scientific Name	Common name
1	<i>Ophiophagus hannah</i>	King Cobra
2	<i>Naja kaouthia</i>	Monocled Cobra
3	<i>Gekko gekko</i>	Tokay Gecko
4	<i>Melanochelys trijuga</i>	Rock Terrapin
5	<i>Python molurus molurus</i>	Burmese Python
6	<i>Varanus bengalensis</i>	
7	<i>Varanus flavescens</i>	
8	<i>Python molurus bivittatus</i>	Burmese Python

#### INSECTS

SI No.	Scientific name	Common Name
1	<i>Bhutanitis ludlowii</i>	Ludlow's Bhutan Swallowtail
2	<i>Bhutanitis lidderdalii</i>	Bhutan Glory
3	<i>Megalestes gyalsey</i>	Gyalsey Emerald Spreadwing

#### FISH

SI No.	Scientific Name	Common name
1	<i>Clarias magur</i>	Wagur
2	<i>Parachiloganis bhutanensis</i>	Torrent Cat Fish
3	<i>Pterocryptis barakensis</i>	

4	<i>Tor putitora</i>	Golden Mahseer
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## PLANTS

Sl.No.	Scientific Name	Common / Local Name
1	<i>Acacia catechu</i>	Khair
2	<i>Acer spp.</i>	Phachlam/ Sermalingshing/ Kapasey
3	<i>Aconitum orochryseum</i>	Bongkar
4	<i>Aconitum violaceum</i>	Bongmaar
5	<i>Albizia lebbek</i>	Khrithangshing/Kalosris
6	<i>Aquilaria Spp.</i>	Agarwood
7	<i>Betula alnoides</i>	Birch
8	<i>Betula bhutanica</i>	Birch
9	<i>Carpinus viminea</i>	Rotoshing
10	<i>Ceropegia dorjei</i>	
11	<i>Cupressus spp.</i>	Tsenden Shing (Dzo.)
12	<i>Cyathea spp.</i>	
13	<i>Cycas pectinata</i>	Bongo (Sha.)
14	<i>Dalbergia latifolia</i>	Rosewood (Eng)
15	<i>Dalbergia sissoo</i>	Jaseng (Dzo.) Sosso (Eng)
16	<i>Delphinium brunonianum</i>	Jagoidpoi (Med.)
17	<i>Dioscorea deltoidea</i>	Wild Yam
18	<i>Dipterocarpus macrocarpus</i>	
19	<i>Duabanga grandiflora</i>	Lampatey
20	<i>Fritillaria spp.</i>	Tsika (Med.)
21	<i>Gmelina arborea</i>	Gamari
22	<i>Juglans regia</i>	Ta-shing (Dzo.) Walnut (Eng.)
23	<i>Juniperus spp.</i>	Shoop (Dzo.), Juniper (Eng.)
24	<i>Meconopsis bhutanica</i>	
25	<i>Michelia champaca</i>	Champ
26	<i>Michelia excelsa</i>	Rani Champ
27	<i>Morus laevigata</i>	Tshendey Shing (Dzo.), Kimbu (Nep.)
28	<i>Nardostachys jatamansi/N. gandiflora</i>	Pang Poi (Dzo.)
29	<i>Neopicrorhiza scrophulariiflora</i>	Honglen (Med.)
30	<i>Onosma griersonii</i>	
31	<i>Ophiocordyceps sinensis</i>	Yartsa gunbu (Dzo)

32	<i>Ophiorrhiza longii</i>	
33	<i>Orchidaceae spp. not included in Schedule I</i>	
34	<i>Panax pseudoginseng</i>	Ginseng
35	<i>Paris polyphylla</i>	Dochu kewa serto chem/ satuwa /thogsampa /girchungtshomo
36	<i>Phoebe goalparensis</i>	Theinab/ Sechangelushing/bonsum
37	<i>Pinus bhutanica</i>	Bhutan Pine/ Tongphu
38	<i>Pinus wallichiana</i>	Bluepine/ Tongphu
39	<i>Podophyllum hexandrum</i>	Wolmosoe/ Bamarpo
40	<i>Pterocarpus santalinus</i>	Tshenday Marp
41	<i>Rauvolfia serpentina</i>	Sarpagandha
42	<i>Shorea robusta</i>	Sal (Eng.)
43	<i>Sorbus linghiensis</i>	
44	<i>Taxus baccata</i>	Himalayan Yew
45	<i>Tectona grandis</i>	Teak (Eng.)
46	<i>Terminalia myriocarpa</i>	Terminalia/Bushing/ Panisaj
47	<i>Terminalia tomentosa</i>	Terminalia/ Alashing / Pakhasaj
48	<i>Toona ciliata</i>	

**SCHEDULE III****MAMMALS**

<b>SI No.</b>	<b>Scientific Name</b>	<b>Common Name</b>
1	<i>Atherurus macrourus</i>	Asiatic Brush-tailed Porcupine
2	<i>Callosciurus erythraeus</i>	Pallas's Squirrel
3	<i>Callosciurus pygerythrus</i>	Irrawaddy Squirrel
4	<i>Canis aureus</i>	Common Jackal
5	<i>Dremomys lokriah</i>	Orange-bellied Himalayan Squirrel
6	<i>Funambulus pennantii</i>	Northern Palm Squirrel
7	<i>Herpestes auropunctatus</i>	Small Indian Mongoose
8	<i>Herpestes edwardsii</i>	Indian Grey Mongoose
9	<i>Herpestes urva</i>	Crab-eating Mongoose
10	<i>Hystrix brachyura</i>	Himalayan Crestless Porcupine
11	<i>Hystrix indica</i>	Indian Crested Porcupine
12	<i>Lepus nigricollis</i>	Indian Hare
13	<i>Lepus oiostolus</i>	Woolly Hare
14	<i>Macaca assamensis</i>	Assamese Macaque
15	<i>Macaca mulatta</i>	Rhesus Macaque
16	<i>Marmota himalayana</i>	Himalayan Marmot
17	<i>Martes flavigula</i>	Yellow-throated Marten
18	<i>Megaderma spasma</i>	Lesser False Vampire
19	<i>Melogale moschata</i>	Small-toothed Ferret Badger
20	<i>Melogale personata</i>	Large-toothed Ferret Badger
21	<i>Miniopterus fuliginosus</i>	Schreiber's Bent-winged Bat
22	<i>Muntiacus muntjak</i>	Barking Deer
23	<i>Mustela altaica</i>	Altai Weasel
24	<i>Mustela kathiah</i>	Yellow-bellied Weasel
25	<i>Mustela sibirica</i>	Siberian Weasel
26	<i>Petaurista caniceps</i>	Spotted Giant Flying Squirrel
27	<i>Petaurista magnificus</i>	Hodgson's Giant Flying Squirrel
28	<i>Petaurista petaurista</i>	Red Giant Flying Squirrel
29	<i>Ratufa bicolor</i>	Malayan Giant Squirrel
30	<i>Sus scrofa</i>	Wild Boar
31	<i>Tamiops macclellandi</i>	Himalayan striped Squirrel
32	<i>Viverra zibetha</i>	Large Indian Civet

**BIRDS**

<b>Sl.No.</b>	<b>Scientific Name:</b>	<b>Common Name</b>
1	<i>Accipiter gentilis</i>	Northern Goshawk
2	<i>Accipiter nisus</i>	Eurasian Sparrowhawk
3	<i>Accipiter trivirgatus</i>	Crested Goshawk
4	<i>Accipiter virgatus</i>	Besra
5	<i>Aegolius funereus</i>	Boreal Owl
6	<i>Aix galericulata</i>	Mandarin Duck
7	<i>Amaurornis phoenicurus</i>	White-breasted Waterhen
8	<i>Anas acuta</i>	Northern Pintail
9	<i>Anas clypeata</i>	Northern Shoveler
10	<i>Anas crecca</i>	Common Teal
11	<i>Anas falcata</i>	Falcated Duck
12	<i>Anas formosa</i>	Baikal Teal
13	<i>Anas penelope</i>	Eurasian Wigeon
14	<i>Anas platyrhynchos</i>	Mallard
15	<i>Anas poecilorhyncha</i>	Indian Spot-billed Duck
16	<i>Anas querquedula</i>	Garganey
17	<i>Anas strepera</i>	Gadwall
18	<i>Anastomus oscitans</i>	Asian Openbill
19	<i>Anser albifrons</i>	Greater White-fronted Goose
20	<i>Anser anser</i>	Greylag Goose
21	<i>Apus acuticauda</i>	Dark-rumped Swift
22	<i>Arborophila rufogularis</i>	Rufous-throated Partridge
23	<i>Arborophila torqueola</i>	Hill Partridge
24	<i>Ardea cinerea</i>	Grey Heron
25	<i>Ardea purpurea</i>	Purple Heron
26	<i>Ardeola bacchus</i>	Chinese Pond Heron
27	<i>Ardeola grayii</i>	Indian Pond Heron
28	<i>Asio flammeus</i>	Short-eared Owl
29	<i>Asio otus</i>	Long-eared Owl
30	<i>Athene brama</i>	Spotted Owlet
31	<i>Athene noctua</i>	Little Owl
32	<i>Aviceda jerdoni</i>	Jerdon's Baza
33	<i>Aviceda leuphotes</i>	Black Baza
34	<i>Aythya ferina</i>	Common Pochard
35	<i>Aythya fuligula</i>	Tufted Duck

36	<i>Aythya nyroca</i>	Ferruginous Duck
37	<i>Batastur teesa</i>	White-eyed Buzzard
38	<i>Batrachostomus hodgsoni</i>	Hodgson's Frogmouth
39	<i>Botaurus stellaris</i>	Great Bittern
40	<i>Bubo (bubo) bengalensis</i>	Indian Eagle Owl
41	<i>Bubo bubo</i>	Eurasian Eagle Owl
42	<i>Bubo nipalensis</i>	Spot-bellied Eagle Owl
43	<i>Bucephala clangula</i>	Common Goldeneye
44	<i>Buteo (buteo) burmanicus</i>	Himalayan Buzzard
45	<i>Buteo hemilasius</i>	Upland Buzzard
46	<i>Buteo rufinus</i>	Long-legged Buzzard
47	<i>Butorides striata</i>	Striated Heron
48	<i>Cacomantis merulinus</i>	Plaintive Cuckoo
49	<i>Cacomantis passerinus</i>	Grey-bellied Cuckoo
50	<i>Cacomantis sonneratii</i>	Banded Bay Cuckoo
51	<i>Cairina scutulata</i>	White-winged Duck
52	<i>Calcarius lapponicus</i>	Lapland Longspur
53	<i>Calidris ferruginea</i>	Curlew Sandpiper
54	<i>Calinator jacobinus</i>	Jacobin Cuckoo
55	<i>Casmerodius albus</i>	Great Egret
56	<i>Ceryle rudis</i>	Pied Kingfisher
57	<i>Ceyx erithacus</i>	Oriental Dwarf Kingfisher
58	<i>Chalcophaps indica</i>	Emerald Dove
59	<i>Chrysococcyx maculatus</i>	Asian Emerald Cuckoo
60	<i>Chrysococcyx xanthorhynchus</i>	Violet Cuckoo
61	<i>Ciconia episcopus</i>	Woolly-necked Stork
62	<i>Ciconia nigra</i>	Black Stork
63	<i>Circaetus gallicus</i>	Short-toed Snake Eagle
64	<i>Circus (aeruginosus) spilonotus</i>	Eastern Marsh Harrier
65	<i>Circus aeruginosus</i>	Eurasian Marsh Harrier
66	<i>Circus cyaneus</i>	Hen Harrier
67	<i>Circus macrourus</i>	Pallid Harrier
68	<i>Circus melanoleucos</i>	Pied Harrier
69	<i>Clamator coromandus</i>	Chestnut-winged Cuckoo
70	<i>Clangula hyemalis</i>	Long-tailed Duck
71	<i>Columba hodgsonii</i>	Speckled Wood Pigeon

72	<i>Columba leuconota</i>	Snow Pigeon
73	<i>Corvus (macrorhynchos) levaillantii</i>	Eastern Jungle Crow
74	<i>Corvus macrorhynchos</i>	Large-billed Crow
75	<i>Coturnix coturnix</i>	Common Quail
76	<i>Coturnix japonica</i>	Japanese Quail
77	<i>Cuculus canorus</i>	Eurasian Cuckoo
78	<i>Cuculus micropterus</i>	Indian Cuckoo
79	<i>Cuculus poliocephalus</i>	Lesser Cuckoo
80	<i>Cuculus saturatus</i>	Oriental Cuckoo
81	<i>Dendrocygna bicolor</i>	Fulvous Whistling-duck
82	<i>Dendrocygna javanica</i>	Lesser Whistling-duck
83	<i>Elanus caeruleus</i>	Black-winged Kite
84	<i>Emberiza rustica</i>	Rustic Bunting
85	<i>Ephippiorhynchus asiaticus</i>	Black-necked Stork
86	<i>Eremophila alpestris</i>	Horned Lark
87	<i>Erpornis zantholeuca</i>	White-bellied Erpornis
88	<i>Esacus recurvirostris</i>	Great Thick-knee
89	<i>Falco amurensis</i>	Amur Falcon
90	<i>Falco chicquera</i>	Red-necked Falcon
91	<i>Falco columbarius</i>	Merlin
92	<i>Falco severus</i>	Oriental Hobby
93	<i>Falco subbuteo</i>	Eurasian Hobby
94	<i>Falco tinnunculus</i>	Common Kestrel
95	<i>Francolinus francolinus</i>	Black Francolin
96	<i>Fulica atra</i>	Eurasian Coot
97	<i>Gallixrex cinerea</i>	Watercock
98	<i>Gallinago nemoricola</i>	Wood Snipe
99	<i>Gallinula chloropus</i>	Common Moorhen
100	<i>Gallus gallus</i>	Red Junglefowl
101	<i>Geokichla wardii</i>	Pied Thrush
102	<i>Glaucidium brodiei</i>	Collared Owlet
103	<i>Glaucidium cuculoides</i>	Asian Barred Owlet
104	<i>Glaucidium radiatum</i>	Jungle Owlet
105	<i>Gorsachius melanolophus</i>	Malayan Night Heron
106	<i>Gracupica contra</i>	Asian Pied Starling
107	<i>Halcyon coromanda</i>	Ruddy Kingfisher

108	<i>Halcyon pileata</i>	Black-capped Kingfisher
109	<i>Halcyon smyrnensis</i>	White-throated Kingfisher
110	<i>Haliastur indus</i>	Brahminy Kite
111	<i>Harpactes erythrocephalus</i>	Red-headed Trogon
112	<i>Hieraaetus fasciatus</i>	Bonelli's Eagle
113	<i>Hieraaetus kienerii</i>	Rufous-bellied Eagle
114	<i>Hieraaetus pennatus</i>	Booted Eagle
115	<i>Hierococcyx fugax</i>	Hodgson's Hawk Cuckoo
116	<i>Hierococcyx sparverioides</i>	Large Hawk Cuckoo
117	<i>Hierococcyx varius</i>	Common Hawk Cuckoo
118	<i>Ibidorhyncha struthersii</i>	Ibisbill
119	<i>Ichthyaetus ichthyaetus</i>	Pallas's Gull
120	<i>Ichthyophaga humilis</i>	Lesser Fish Eagle
121	<i>Ictinaetus malayensis</i>	Black Eagle
122	<i>Ithaginis cruentus</i>	Blood Pheasant
123	<i>Ixobrychus cinnamomeus</i>	Cinnamon Bittern
124	<i>Jynx torquilla</i>	Eurasian Wryneck
125	<i>Ketupa zeylonensis</i>	Brown Fish Owl
126	<i>Larus (heuglini) barabensis</i>	Hegulin's Gull
127	<i>Larus (heuglini) barabensis</i>	Steppe Gull
128	<i>Larus canus</i>	Mew Gull
129	<i>Larus heuglini</i>	Heuglin's Gull
130	<i>Leptoptilos javanicus</i>	Lesser Adjutant
131	<i>Lerwa lerwa</i>	Snow Partridge
132	<i>Lewinia striata</i>	Slaty-breasted Rail
133	<i>Lophura leucomelanos</i>	Kalij Pheasant
134	<i>Mergus merganser</i>	Goosander
135	<i>Metopidius indicus</i>	Bronze-winged Jacana
136	<i>Microhierax caerulescens</i>	Collared Falconet
137	<i>Microhierax melanoleucos</i>	Pied Falconet
138	<i>Milvus (migrans) lineatus</i>	Black-eared Kite
139	<i>Milvus migrans</i>	Black Kite
140	<i>Mulleripicus pulverulentus</i>	Great Slaty Woodpecker
141	<i>Ninox scutulata</i>	Brown Hawk Owl
142	<i>Nisaetus nipalensis</i>	Mountain Hawk Eagle
143	<i>Numenius arquata</i>	Eurasian Curlew



144	<i>Otus (bakkamoena) lettia</i>	Collared Scops Owl
145	<i>Otus spilocephalus</i>	Mountain Scops Owl
146	<i>Otus sunia</i>	Oriental Scops Owl
147	<i>Pandion haliaetus</i>	Osprey
148	<i>Pastor roseus</i>	Rosy Starling
149	<i>Pavo cristatus</i>	Indian Peafowl
150	<i>Pelargopsis capensis</i>	Stork-billed Kingfisher
151	<i>Pellorneum tickelli</i>	Buff-breasted Babbler
152	<i>Perdix hodgsoniae</i>	Tibetan Partridge
153	<i>Pernis ptilorhyncus</i>	Oriental Honey-buzzard
154	<i>Phalacrocorax carbo</i>	Great Cormorant
155	<i>Phalacrocorax fuscicollis</i>	Indian Cormorant
156	<i>Phalacrocorax niger</i>	Little Cormorant
157	<i>Philomachus pugnax</i>	Ruff
158	<i>Phodilus badius</i>	Oriental Bay Owl
159	<i>Pitta brachyura</i>	Indian Pitta
160	<i>Pluvialis squatarola</i>	Grey Plover
161	<i>Podiceps cristatus</i>	Great Crested Grebe
162	<i>Podiceps nigricollis</i>	Black-necked Grebe
163	<i>Polyplectron bicalcaratum</i>	Grey Peacock Pheasant
164	<i>Porphyrio porphyrio</i>	Purple Swamphen
165	<i>Porzana bicolor</i>	Black-tailed Crake
166	<i>Porzana fusca</i>	Ruddy-breasted Crake
167	<i>Porzana parva</i>	Little Crake
168	<i>Prinia cinereocapilla</i>	Grey-crowned Prinia
169	<i>Psittacula alexandri</i>	Red-breasted Parakeet
170	<i>Psittacula eupatria</i>	Alexandrine Parakeet
171	<i>Psittacula finschii</i>	Grey-headed Parakeet
172	<i>Psittacula roseata</i>	Blossom-headed Parakeet
173	<i>Pyrrhocorax graculus</i>	Yellow-billed Chough
174	<i>Pyrrhocorax pyrrhocorax</i>	Red-billed Chough
175	<i>Saxicola insignis</i>	White-throated Bushchat
176	<i>Sitta formosa</i>	Beautiful Nuthatch
177	<i>Spelaeoris caudatus</i>	Rufous-throated Wren Babbler
178	<i>Sphenocichla humei</i>	Blackish-breasted Babbler
179	<i>Sterna acuticauda</i>	Black-bellied Tern

180	<i>Sterna aurantia</i>	River Tern
181	<i>Strix (aluco) nivicola</i>	Himalayan Wood Owl
182	<i>Strix leptogrammica</i>	Brown Wood Owl
183	<i>Tadorna ferruginea</i>	Ruddy Shelduck
184	<i>Tadorna tadorna</i>	Common Shelduck
185	<i>Terpsiphone paradisi</i>	Asian Paradise-flycatcher
186	<i>Todiramphus chloris</i>	Collared Kingfisher
187	<i>Tyto alba</i>	Barn Owl
188	<i>Vanellus duvaucelii</i>	River Lapwing
189	<i>Vanellus vanellus</i>	Northern Lapwing

### FISH

SI No	Scientific Name	Common Name
1	<i>Aborichthys boutanensis</i>	
2	<i>Amblycepsarunachalensis</i>	
3	<i>Anguilla bengalensis</i>	Rajabam
4	<i>Bagarius bagarius</i>	Bagarius
5	<i>Channa ambhibius</i>	Snake Head
6	<i>Cirrhinus cirrhosus</i>	Mrigal Carb
7	<i>Creteuchiloglanis bumdelingensis</i>	
8	<i>Cyprinion semiplotum</i>	Assamese Kingfish
9	<i>Cyprinus carpio</i>	Common Carp
10	<i>Exostoma mangdechhuensis</i>	
11	<i>Parachiloglanis benjii</i>	
12	<i>Parachiloglanis bhutanensis</i>	
13	<i>Parachiloglanis dangmechhuensis</i>	
14	<i>Parachiloglanis drukyulensis</i>	
15	<i>Schistura kangjupkhulensis</i>	
16	<i>Tor tor</i>	

### PLANTS

Sl.No.	Scientific Name	Common/ Local Name
1	<i>Abies densa</i>	Dungshing (Dz), Wangshing (Sha), Silver Fir (Eng)
2	<i>Acrocarpus fraxinifolius</i>	
3	<i>Ailanthus spp.</i>	
4	<i>Alnus nepalensis</i>	
5	<i>Altingia excelsa</i>	

6	<i>Androsace hemisphaerica</i>	
7	<i>Aphanamixis polystachya</i>	
8	<i>Astilbe rivularis</i>	Bura Okhati (Lho)
9	<i>Astragalus paroensis</i>	
10	<i>Bambusa clavata</i>	
11	<i>Beilschmiedia sp.</i>	
12	<i>Bischofia javanica</i>	
13	<i>Bistorta griersonii</i>	
14	<i>Boehmeria rugulosa</i>	Dongtsong shing (Sha)
15	<i>Bombax ceiba</i>	Pema Geysar (Dz)
16	<i>Bryocarpum himalaicum</i>	Tshema Heontshe (Dz)
17	<i>Buddleja bhutanica</i>	
18	<i>Calamus acanthospathus</i>	Minji (Sha)
19	<i>Calamus latifolius</i>	
20	<i>Calatropis gigantea</i>	
21	<i>Campalandra aurianticum</i>	
22	<i>Cannarium sikkimensis</i>	Poikar (Dz), Poskar (Sha), Gokuldhup (Lho)
23	<i>Carex nigra subsp. drukyulensis</i>	
24	<i>Cassia fistula</i>	Donga (Dz)
25	<i>Castanopsis spp.</i>	Sokey (Dz)/ Katus (Lho)
26	<i>Ceropegia bhutanica</i>	
27	<i>Cinnamomum cecidodaphne</i>	Phagpaneng shing (Sha), Malagiri (Lho)
28	<i>Cinnamomum tamala</i>	Shingtsha (Sha), Tezpat (Lho)
29	<i>Cinnamomum zeylanicum</i>	Jagar Shingtsha (Med)
30	<i>Citronela spp.</i>	Sofi
31	<i>Corallodiscus cooperi</i>	
32	<i>Cymbopogon bhutanicus</i>	
33	<i>Daphne bholua</i>	Shogushing (Sha), Deyshing (Dz), Kagatey or Argeli (Lho)
34	<i>Dellinia pentgyna</i>	
35	<i>Delphinium brunonium</i>	Jagoidpoi (Med)
36	<i>Dendrocalamus spp.</i>	
37	<i>Dendrophthoe falcata</i>	
38	<i>Diploknema butarycea</i>	Yeka (Dz), Pinsay(Sha)
39	<i>Drepanostachyum annulatum</i>	

40	<i>Edgeworthia spp.</i>	
41	<i>Engelhardtia spicata</i>	
42	<i>Exbucklandia populnea</i>	
43	<i>Ficus spp.</i>	
44	<i>Gynocardia odorata</i>	Abidorsay shing (Sha)
45	<i>Halicia nilagerica</i>	Photor-Shing (Sha)
46	<i>Hoya bhutanica</i>	
47	<i>Hypericum sherriffii</i>	
48	<i>Ilex venulosa</i>	
49	<i>Illicium griffithii</i>	
50	<i>Isodon atroruber</i>	
51	<i>Kydia calicyna</i>	
52	<i>Larix griffithii</i>	Larch
53	<i>Lindera spp.</i>	
54	<i>Lycopodium spp.</i>	
55	<i>Lyonia spp.</i>	
56	<i>Magnolia spp.</i>	
57	<i>Mecaranga pustulata</i>	
58	<i>Meconopsis superba</i>	
59	<i>Neomicrocalamus andropogonifolius</i>	
60	<i>Neopicrorhiza minima</i>	
61	<i>Pedicularis griniformis</i>	
62	<i>Pedicularis sanguilimbata</i>	
63	<i>Persea spp.</i>	
64	<i>Phoebe hainesiana</i>	
65	<i>Phyllanthus embelica</i>	Amla (Lho)
66	<i>Picea spinulosa</i>	Spruce
67	<i>Pinus roxburghii</i>	Chirpine
68	<i>Piper longum</i>	
69	<i>Piper nigra</i>	
70	<i>Pleurospermum amabile</i>	
71	<i>Podocarpus neriifolius</i>	Brownpine
72	<i>Polygonatum verticillatum</i>	
73	<i>Pouzolzia spp.</i>	
74	<i>Pterospermum acerifolium</i>	
75	<i>Quercus spp.</i>	Oak

76	<i>Rhododendron spp.</i>	
77	<i>Rhus spp.</i>	
78	<i>Rubia cordifolia</i>	
79	<i>Saccharum spp.</i>	
80	<i>Sapindus spp.</i>	
81	<i>Saxifraga vacillans</i>	
82	<i>Schima wallichii</i>	Chilauney (Lho)
83	<i>Sorbus rinzenii</i>	
84	<i>Sterculia vilosa</i>	
85	<i>Swertia chirayita</i>	Khalu
86	<i>Symplocos glomorata</i>	Pangtsi (Dz)
87	<i>Tanacetum spp.</i>	Khengkar
88	<i>Taxillus kaempferi</i>	Lam Dekka (Dz)
89	<i>Terminalia bellerica</i>	
90	<i>Terminalia chebula</i>	Myrabolen (Eng), Baroo (Dz/Sha), Harra (Lho)
91	<i>Tetrameles nudiflora</i>	
92	<i>Thysanolaena spp.</i>	
93	<i>Tsuga dumosa</i>	Hemlock
94	<i>Viscum album</i>	Ngeshitheup (Dz), Ngeyshing Jormu (Sha)
95	<i>Yushania sp.</i>	Deu Yangka (Dz)
96	<i>Zanthoxylum armatum</i>	Thingey (Dz)

#### INSECTS

SI No.	Scientific name	Common Name
1	<i>Dolichovespula spp.</i>	Hornets and Yellow Jackets
2	<i>Provespa spp.</i>	
3	<i>Vespa spp.</i>	
4	<i>Vespula spp.</i>	

#### REPTILE

SI No.	Scientific Name	Common Name
1	<i>Calotes bhutanensis</i>	Bhutan-Schönechse
2	<i>Cyclemys gemeli</i>	
3	<i>Daboia russelii</i>	Eastern Russell's Viper
4	<i>Eutropis quadratilobus</i>	
5	<i>Naja naja</i>	
6	<i>Varanus salvator</i>	Common Water Monitor

7	<i>Xenochrophis piscator</i>	
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**AMPHIBIAN**

SI No.	Scientific Name	Common Name
1	<i>Hoplobatrachus tigerinus</i>	
2	<i>Ingerana borealis</i>	Rotung Oriental Frog
3	<i>Nanorana arnoldi</i>	
4	<i>Nanorana pleskei</i>	Tibetan Frog
5	<i>Philautus garo</i>	Garo Hills Bubble-nest Frog
6	<i>Rhacophorus aurantiventris</i>	Orange Bellied Tree Frog

**TORTOISE AND TURTLE**

SI No	Scientific Name	Common Name
1	<i>Pangshura smithii</i>	Brown Roofed Turtle
2	<i>Cyclemys gemeli</i>	Assam Leaf Turtle
3	<i>Melanochelys trijuga</i>	Indian Black Turtle