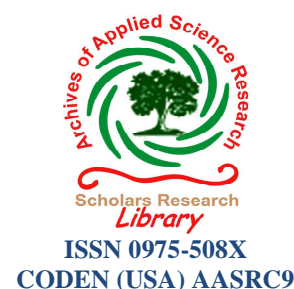




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Avifaunal diversity, distribution and threats in Dibru-Saikhowa Biosphere Reserve North-East India Assam (India): A review

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ABSTRACT

502 species of birds have been recorded from the Dibru-Saikhowa biosphere reserve. Avifaunal diversity is very common in that biosphere reserve. But at least 5 critically endangered species were recorded that included *Houbaropsis bengalensis*, *Gyps bengalensis*, *Gyps tenuirostris*, *Sarcogyps calvus* and *Ardea insignis*. The list also includes 5 endangered species *Branta ruficollis*, *Cairina scutulata*, *Tringa guttifer*, *Aythya baeri* and *Leptoptilos dubius*. In addition 10 vulnerable and, 13 near threatened a few range extensions were also recorded. The purely exotic birds based on the native range distribution are *Acridotheres cinereus*, *Lonchura molucca*, *Bradypterus seebohmii*. While the endemic birds of India is *Paradoxornis flavirostris*. The biosphere reserve reserve area was primarily meant for the conservation of the endangered White winged wood duck (*Cairina scutulata*) in its natural habitat. Presence of two 'forest villages', habitat destruction through agriculture, logging, settlement, and poisoning of water bodies for fishing, and erosion by rivers were noticed as major threats to Dibru-Saikhowa biosphere reserve birds.

Keywords: Avifaunal diversity*, International Union for Conservation of Nature Status*, Population trends*, zoogeographical region of Birds* .

INTRODUCTION

Diversification of birds plays a very important role in the health of an ecosystem. Birds play an important role in ecosystem by being a part of the food web. They are potential pollinators and bio-indicators [1, 2]. They occupy various types of habitats, from open field to forest, desert to High Mountain and even in ice zone where it is quite tough for a human or other animals to live. Dibru-Saikhowa biosphere reserve has the largest salix swamp forest in north-eastern India. Tropical Moist Deciduous, Tropical Semi-evergreen, Evergreen Forests and grassland forms the main habitat type. Wetlands cover sixty percent of the total area while forest and grassland covers 25 and 15 percent respectively [3]. Thus Dibru-Saikhowa biosphere reserve having ideal habitat condition for wetland Birds and use the area for feeding, roosting, nesting and rearing young [2, 4, 5]. Dibru-Saikhowa Biosphere Reserve falls in course of two major international fly-ways of migratory Birds- East Asian and the East Asian –Australian flyways that bring almost 200 birds species from both the hemispheres. Dibru-Saikhowa Biosphere reserve is recognized as part of an Important Bird Area (IBA) and Endemic Bird Area (EBA) of Assam. The richness and diversity in bird species is attributed to the fact that the northeast and Assam in particular, is a meeting place of two zoogeographic sub regions, the Indo Malayan (Oriental) and Palearctic [6]. The original vegetation of the Park was tropical rainforest, but a large part sank by a few meters during the earthquake in 1950, causing significant geomorphological changes.

Study area: Dibru - Saikhowa national park is located at about 12 km north of Tinsukia town of the grasslands of north-east India are well known both for their large mammals, such as Indian rhinoceros *Rhinoceros unicornis* and Asian elephant *Elephas maximus*, and for restricted-range birds. Dibru - Saikhowa covering an area of 765 km². It lies between 27°30' N to 27°45' N latitude and 95°10' E to 95°45' E longitude at an average altitude of 118 m (range 110-126m). The park bounded is by the Brahmaputra and Lohit rivers in the north and Dibru River in the south. It is situated in Dibrugarh and Tinsukia district of Assam. The area lies in the Indo-Burma global biodiversity hotspot [13] and Assam plain endemic bird area [14] figure 1.

RESULTS AND DISCUSSION

Taxonomical analysis of Dibru-Saikhowa biosphere reserve birds: There are in total 502 species of birds, belonging to 248 genus; 68 families and 20 orders. The dominant genus of birds are *Phylloscopus* contributing 12 species (2.39%), followed by *Anas* which contributing 9 number of species (1.79%), *Anthus* contributing 8 (1.59%), while there were 5 genera contributing 7 species representing 1.39% each. *Saxicola* and *Turdus* contributed 6 species or 1.19% each; 11 genera had 5 species each contribution 0.99%, 13 genera had 4 species each contributing to 0.79%, 60 genera of birds had 3 species each contributing 0.59% each, 134 genera of birds had 2 species each which contributes to 0.39% each, while remaining majority of 415 genera had 1 species representation contributing to 0.19% each species. The dominant family in terms of species number of birds is Sylviidae which contributing to 58 (11.55%) number of species, while Muscicapidae contributing 43 (8.56%) number of species, Accipitridae contributing 37 (7.37%) number of species, Anatidae contributing 31 (6.17%) number of species, Scolopacidae 17 (3.38%) number of species, Cuculidae contributing 16 (3.18%) number of species, meanwhile 3 families contributing 15 number (2.98%) number of species, family Picidae contributing 14 (2.78%) number of species, Cisticolidae contributing 9 (1.79%) number of species, The dominant order Passeriformes contributing 227 (45.30%), while order Falconiformes contributing 42 (8.36%) number of species, order Charadriiformes contributing 40 (7.96%) number of species, order Anseriformes contributing 33 (6.57%) number of species, order Ciconiiformes contributing 29 (5.77%) number of species, order Gruiformes contributing 20 (3.89%) number of birds species, order Piciformes contributing 19 (3.87%) number of species, order Coraciiformes contributing 18 (3.58%) number of species, order Cuculiformes contributing 15 (2.98%) number of species, order Strigiformes and Columbiformes both contributed 14 (2.78%) number of species, order Galliformes contributed 7 (1.39%) number of species, order Apodiformes contributing 6 (1.19%) number of species, order Pelecaniformes and Psittaciformes contributing 4 (0.79%) number of species, order Podicipediformes and Caprimulgiformes contributing 3 (0.59%) number of species, order Isoetales contributing 2 (0.39%), order Trogoniformes contributing 1 (0.19%) only figure 2.

The IUCN trends of Dibru-Saikhowa biosphere reserve birds : The IUCN Status of Dibru-Saikhowa birds species are Least concern contributing 444 (86.16%) number of birds species, 13 (2.58%) birds species come in Near threatened category, 21 (4.18%) birds species come in not assessed category, 10 (1.99%) birds species come in vulnerable category, 5 (0.99%) species are come in Endangered category and 5 (0.99%) birds species Critically Endangered in Dibru-Saikhowa biosphere reserve.

The Population trends of these species 37 (7.56%) are decreasing as per IUCN status. Meanwhile population trends of 459 (90.66%) species are unknown. *Houbaropsis bengalensis*, *Gyps bengalensis*, *Gyps tenuirostris*, *Sarcogyps calvus*, *Ardea insignis*, species are Critically Endangered and there population is decreasing. *Branta ruficollis*, *Cairina scutulata*, *Tringa guttifer*, *Aythya baeri*, *Leptoptilos dubius* birds species are Endangered and there population are decreasing. *Francolinus gularis*, *Anser erythropus*, *Grus antigone*, *Chrysomma altirostre*, *Emberiza aureola*, *Aquila clanga*, *Leptoptilos javanicus*, *Turdoides longirostris*, *Rynchops albicollis*, *Paradoxornis flavirostris* are Vulnerable species and there population are decreasing. *Anas falcata*, *Buceros bicornis*, *Ichthyophaga ichthyaetus*, *Ephippiorhynchus asiaticus*, *Mycteria leucocephala*, *Luscinia pectardens*, *Aythya nyroca*, *Alcedo hercules*, *Limnodromus semipalmatus*, *Numenius arquata*, *Aegyptius monachus*, *Circus macrourus*, *Anhinga melanogaster* all these species are come in the Near threatened category and there population are also decreasing as per IUCN status. Thus we can say that all the the critically endangered, endangered, vulnerable, and near threatened birds species population are decreasing as per IUCN status. *Anas acuta* species come under least concern but there population are decreasing in number. *Falco naumanni* species come under least concern category but there populations are stable figure 3.

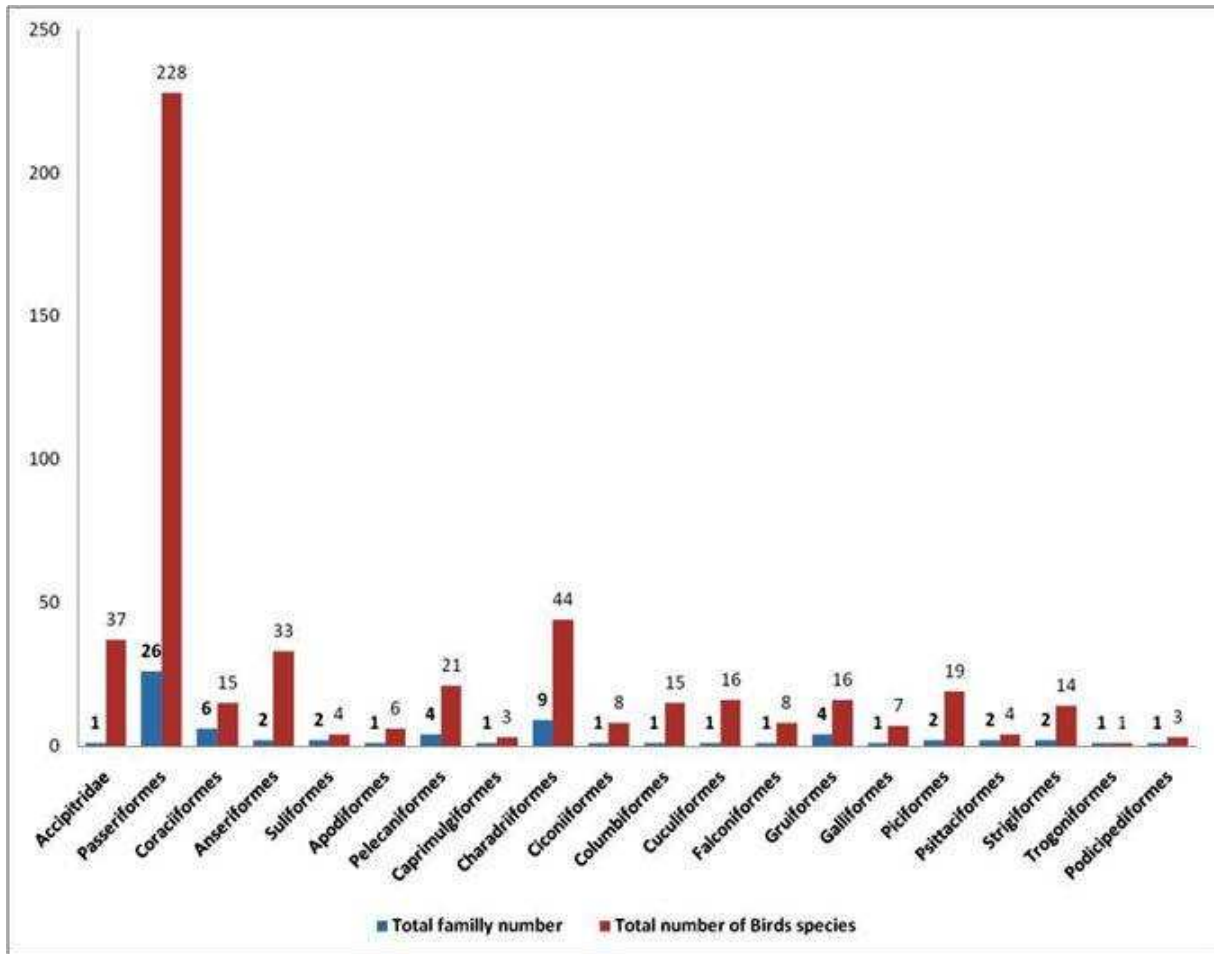


Figure 2. Taxonomical hierarchy of Dibru-saikhowa biosphere reserve Bird species

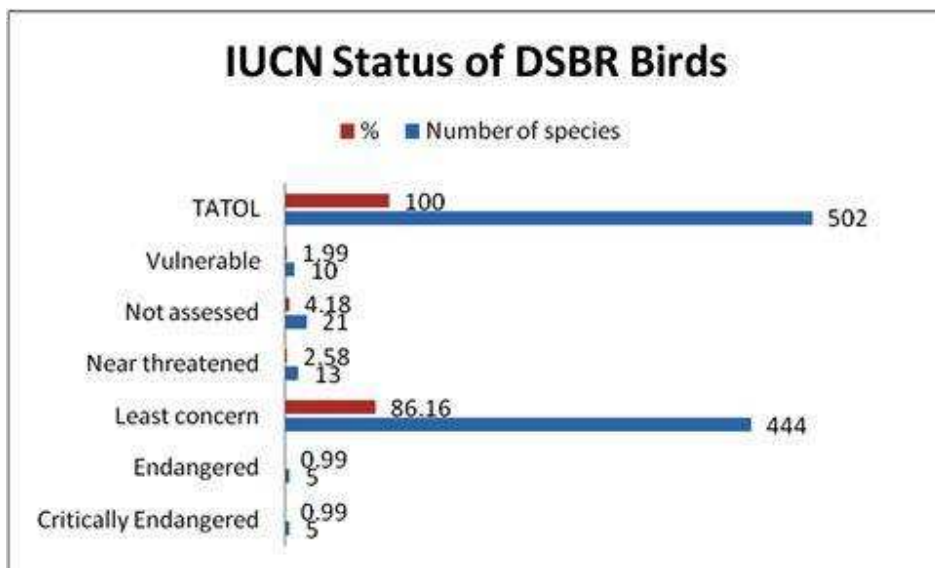


Figure 3: The IUCN Status of Dibru-Saikhowa biosphere reserve Birds

Native distribution range and zoogeographical analysis Dibru-Saikhowa biosphere reserve birds: There are 502 numbers of birds species of Dibru-Saikhowa biosphere reserve are endemic in Indomalayan ecoregion, 138 species also reported in Neotropical ecoregion, 124 birds species are also found in Afrotropical ecoregion and 103 birds species are reported in Australasian affinity, 72 birds species are reported in Palearctic ecoregion, 48 birds species are reported in Nearctic and 18 species are found in Oceania Ecoregion of the earth's land surface. *Acridotheres cinereus*, *Lonchura molucca*, *Bradypterus seebohmi* are exotic birds in Dibru-Saikhowa biosphere reserve. While the *Paradoxornis flavirostris* bird are endemic to Indomalayan ecoregion.

Table 1: Checklist of avian fauna of Dibru-Saikhowa biosphere reserve

Oder	S.No	Common Name	Scientific Name	Family	IUCN Status
Accipitridae	1.	Osprey	<i>Pandion haliaetus</i> (Linnaeus, 1758)	Accipitridae	Least concern
	2.	Jerdon's baza	<i>Aviceda jerdoni</i> (Blyth, 1842)	Accipitridae	Least concern
	3.	Black baza	<i>Aviceda leuphotes</i> (Dumont, 1820)	Accipitridae	Least concern
	4.	Oriental honey-buzzard	<i>Pernis ptilorhynchus</i> (Temminck, 1821)	Accipitridae	Least concern
	5.	White-eyed Buzzard	<i>Butastur teesa</i> (Franklin, 1831)	Accipitridae	Least concern
	6.	Black shouldered Kite	<i>Elanus caeruleus</i> (Desfontaines, 1789)	Accipitridae	Least concern
	7.	Black Kite	<i>Milvus migrans</i> (Boddaert, 1783)	Accipitridae	Least concern
	8.	Brahminy kite	<i>Haliastur indus</i> (Boddaert, 1783)	Accipitridae	Least concern
	9.	White -Tailed Eagle	<i>Haliaeetus albicilla</i> (Linnaeus, 1758)	Accipitridae	Least concern
	10.	Pallas's fish Eagle	<i>Haliaeetus leucocephalus</i> (Linnaeus, 1766)	Accipitridae	Least concern
	11.	Lesser Fish Eagle	<i>Ichthyophaga humilis</i> (Müller & Schlegel, 1841)	Accipitridae	Least concern
	12.	Grey-headed Fish Eagle	<i>Ichthyophaga ichthyaeus</i> (Horsfield, 1821)	Accipitridae	Near threatened
	13.	Bonelli's eagle	<i>Hieraaetus fasciatus</i> (Vieillot, 1822)	Accipitridae	Least concern
	14.	Booted Eagle	<i>Hieraaetus pennatus</i> (Gmelin, 1788)	Accipitridae	Least concern
	15.	Rufous -bellied Eagle	<i>Hieraaetus kienerii</i> (Geoffroy Saint-Hilaire, 1835)	Accipitridae	Least concern
	16.	Black Eagle	<i>Ictinaetus malayensis</i> (Temminck, 1822)	Accipitridae	Least concern
	17.	White -rumped Vulture	<i>Gyps bengalensis</i> (Gmelin, 1788)	Accipitridae	Critically Endangered
	18.	Slender-Billed Vulture	<i>Gyps tenuirostris</i> (Gray, 1844)	Accipitridae	Critically Endangered
	19.	Himalayan Griffon	<i>Gyps himalayensis</i> (Hume, 1869)	Accipitridae	Least concern
	20.	Red headed Vulture	<i>Sarcogyps calvus</i> (Scopoli, 1786)	Accipitridae	Critically Endangered
	21.	Eurasian marsh Harrier	<i>Circus aeruginosus</i> (Linnaeus, 1758)	Accipitridae	Least concern
	22.	Hen Harrier	<i>Circus cyaneus</i> (Linnaeus, 1766)	Accipitridae	Least concern
	23.	Eurasian Sparrow hawk	<i>Accipiter nisus</i> (Linnaeus, 1758)	Accipitridae	Least concern
	24.	Mountain Hawk Eagle	<i>Nisaetus nipalense</i> (Hodgson, 1836)	Accipitridae	Least concern
	25.	White-tailed Eagle	<i>Haliaeetus albicilla</i> (Linnaeus, 1758)	Accipitridae	Least concern
	26.	Cinereous Vulture	<i>Aegypius monachus</i> (Linnaeus, 1766)	Accipitridae	Near threatened
	27.	Short -toed snaked Eagle	<i>Circaetus gallicus</i> (Gmelin, 1788)	Accipitridae	Least concern
	28.	Crested serpent Eagle	<i>Spilornis cheela</i> (Latham, 1790)	Accipitridae	Least concern
	29.	Pallid Harrier	<i>Circus macrorous</i> (Gmelin, 1770)	Accipitridae	Near threatened
	30.	Pied Harrier	<i>Circus melanoleucos</i> (Pennant, 1769)	Accipitridae	Least concern
	31.	Crested goshawk	<i>Accipiter trivirgatus</i> (Temminck, 1824)	Accipitridae	Least concern
	32.	Shikra	<i>Accipiter badius</i> (Gmelin, 1788)	Accipitridae	Least concern
	33.	Besra	<i>Accipiter virgatus</i> (Temminck, 1822)	Accipitridae	Least concern
	34.	Japanese Sparrow hawk	<i>Accipiter gularis</i> (Temminck & Schlegel, 1844)	Accipitridae	Least concern
	35.	Common Buzzard	<i>Buteo buteo</i> (Linnaeus, 1758)	Accipitridae	Least concern
	36.	Greater Spotted Eagle	<i>Aquila clanga</i> (Pallas, 1811)	Accipitridae	Vulnerable
	37.	Changeable Hawk Eagle	<i>Nisaetus cirrhatous</i> (Gmelin, 1788)	Accipitridae	Least concern
Passeriformes	38.	Bengal Bush lark	<i>Mirafra assamica</i> (Horsfield, 1840)	Alaudidae	Least concern
	39.	Sand Lark	<i>Calandrella raytal</i> (Blyth, 1844)	Alaudidae	Least concern
	40.	Oriental Skylark	<i>Alauda gulgula</i> (Franklin, 1831)	Alaudidae	Least concern
	41.	Long tailed Minivet	<i>Pericrocotus ethologus</i> (Bangs & Phillips, 1914)	Campephagidae	Least concern
	42.	Short -billed Minivet	<i>Pericrocotus brevirostris</i> (Vigors, 1831)	Campephagidae	Least concern
	43.	Large Woodshrike	<i>Tephrodornis gularis</i> (Raffles, 1822)	Campephagidae	Least concern
	44.	Common Woodshrike	<i>Tephrodornis pondicerianus</i> (Gmelin, 1789)	Campephagidae	Least concern
	45.	Scarlet minivet	<i>Pericrocotus flammeus</i> (Forster, 1781)	Campephagidae	Least concern
	46.	Bar-winged Flycatcher-shrike	<i>Hemipus picatus</i> (Sykes, 1832)	Campephagidae	Least concern
	47.	Blue-Winged Leafbird	<i>Chloropsis cochinchinensis</i> (Gmelin, 1788)	Chloropseidae	Least concern
	48.	Golden -fronted Leaf bird	<i>Chloropsis aurifrons</i> (Temminck, 1829)	Chloropseidae	Least concern
	49.	Orange-bellied Leaf bird	<i>Chloropsis hardwickii</i> (Jardine & Selby, 1830)	Chloropseidae	Least concern
	50.	Zitting Cisticola	<i>Cisticola juncidis</i> (Rafinesque, 1810)	Cisticolidae	Least concern
	51.	Bright-headed Cisticola	<i>Cisticola exilis</i> (Vigors & Horsfield, 1827)	Cisticolidae	Least concern
	52.	Rufous-vented Prinia	<i>Prinia burnesii</i> (Blyth, 1844)	Cisticolidae	Least concern
	53.	Grey-bresasted Prinia	<i>Prinia hodgsonii</i> (Blyth, 1844)	Cisticolidae	Least concern
	54.	Yellow-bellied Prinia	<i>Prinia flaviventris</i> (Delessert, 1840)	Cisticolidae	Least concern
	55.	Plain Prinia	<i>Prinia inornata</i> (Sykes, 1832)	Cisticolidae	Least concern
	56.	Graceful Prinia	<i>Prinia gracilis</i> (Lichtenstein, 1823)	Cisticolidae	Least concern
	57.	Ashy Prinia	<i>Prinia socialis</i> (Sykes, 1832)	Cisticolidae	Least concern
	58.	Jungle Prinia	<i>Prinia sylvatica</i> (Jerdon, 1840)	Cisticolidae	Least concern
	59.	Common green Magpie	<i>Cissa chinensis</i> (Boddaert, 1783)	Corvidae	Least concern

60.	Rufous Tree pie	<i>Dendrocitta vagabunda</i> (Latham, 1790)	Corvidae	Least concern
61.	Grey Tree pie	<i>Dendrocitta formosae</i> (Swinhoe, 1863)	Corvidae	Least concern
62.	House crow	<i>Corvus splendens</i> (Vieillot, 1817)	Corvidae	Least concern
63.	Large -billed crow	<i>Corvus macrorhynchos</i> (Wagler, 1827)	Corvidae	Least concern
64.	Ashy wood swallow	<i>Artamus fuscus</i> (Vieillot, 1817)	Corvidae	Least concern
65.	Black-hooded Oriole	<i>Oriolus xanthornus</i> (Linnaeus, 1758)	Corvidae	Least concern
66.	Maroon Oriole	<i>Oriolus traillii</i> (Vigors, 1832)	Corvidae	Least concern
67.	Large Cuckooshrike	<i>Coracina macei</i> (Lesson, 1831)	Corvidae	Least concern
68.	Black-winged Cuckooshrike	<i>Coracina melaschistos</i> (Hodgson, 1836)	Corvidae	Least concern
69.	Rosy Minivet	<i>Pericrocotus roseus</i> (Vieillot, 1818)	Corvidae	Least concern
70.	Small Minivet	<i>Pericrocotus cinnamomeus</i> (Linnaeus, 1766)	Corvidae	Least concern
71.	Black Drongo	<i>Dicrurus macrocerus</i> (Vieillot, 1817)	Dicruridae	Least concern
72.	Ashy Drongo	<i>Dicrurus leucophaeus</i> (Vieillot, 1817)	Dicruridae	Least concern
73.	Crow -billed Drongo	<i>Dicrurus annectans</i> (Hodgson, 1836)	Dicruridae	Least concern
74.	Bronzed Drongo	<i>Dicrurus aeneus</i> (Vieillot, 1817)	Dicruridae	Least concern
75.	Lesser raked -tailed Drongo	<i>Dicrurus remifer</i> (Temminck, 1823)	Dicruridae	Least concern
76.	Spangled Drongo	<i>Dicrurus hottentottus</i> (Linnaeus, 1766)	Dicruridae	Least concern
77.	Greater racket -tailed Drongo	<i>Dicrurus paradiseus</i> (Linnaeus, 1766)	Dicruridae	Least concern
78.	Chestnut-eared Bunting	<i>Emberiza fucata</i> (Pallas, 1776)	Emberizidae	Least concern
79.	Little Bunting	<i>Emberiza pusilla</i> (Pallas, 1776)	Emberizidae	Least concern
80.	Yellow -breasted Bunting	<i>Emberiza aureola</i> (Pallas, 1773)	Emberizidae	Vulnerable
81.	Black-faced Bunting	<i>Emberiza spodocephala</i> (Pallas, 1776)	Emberizidae	Least concern
82.	Long -Tailed Broadbill	<i>Psarismomus dalhousiae</i> (Jameson, 1835)	Eurylaimidae	Least concern
83.	Silver-breasted Broadbill	<i>Serilophus lunatus</i> (Gould, 1834)	Eurylaimidae	Least concern
84.	Common rose finch	<i>Carpodacus erythrinus</i> (Pallas, 1770)	Fringillidae	Least concern
85.	Pale Martin	<i>Riparia diluta</i> (Linnaeus, 1758)	Hirundinidae	Least concern
86.	Sand Martin	<i>Riparia riparia</i> (Linnaeus, 1758)	Hirundinidae	Least concern
87.	Plain Martin	<i>Riparia paludicola</i> (Vieillot, 1817)	Hirundinidae	Least concern
88.	Barn Swallow	<i>Hirundo rustica</i> (Linnaeus, 1758)	Hirundinidae	Least concern
89.	Red romped Swallow	<i>Hirundo daurica</i> (Linnaeus, 1771)	Hirundinidae	Least concern
90.	Striated Swallow	<i>Hirundo striolata</i> (Temminck & Schlegel, 1847)	Hirundinidae	Not assessed
91.	Asian Fairy Bluebird	<i>Irena puella</i> (Latham, 1790)	Irenidae	Least concern
92.	Brown Shrike	<i>Lanius cristatus</i> (Linnaeus, 1758)	Laniidae	Least concern
93.	Long-tailed Shrike	<i>Lanius schach</i> (Linnaeus, 1758)	Laniidae	Least concern
94.	Grey backed Shrike	<i>Lanius tephronotus</i> (Vigors, 1831)	Laniidae	Least concern
95.	Blacked -napped Monarch	<i>Hypothymis azurea</i> (Boddaert, 1783)	Monarchidae	Least concern
96.	Asian Paradise-flycatcher	<i>Terpsiphone paradisi</i> (Linnaeus, 1758)	Monarchidae	Least concern
97.	Common Lora	<i>Aegithina tiphia</i> (Linnaeus, 1758)	Monarchidae	Least concern
98.	Forest Wagtail	<i>Dendronanthus indicus</i> (Gmelin, 1789)	Motacillidae	Least concern
99.	Citrine Wagtail	<i>Motacilla citreola</i> (Pallas, 1776)	Motacillidae	Least concern
100.	Yellow Wagtail	<i>Motacilla flava</i> (Linnaeus, 1758)	Motacillidae	Least concern
101.	Grey Wagtail	<i>Motacilla cinerea</i> (Tunstall, 1771)	Motacillidae	Least concern
102.	Richard 's Pipit	<i>Anthus richardi</i> (Vieillot, 1818)	Motacillidae	Least concern
103.	Rosy Pipit	<i>Anthus roseatus</i> (Blyth, 1847)	Motacillidae	Least concern
104.	Paddy field Pipit	<i>Anthus rufidus</i> (Vieillot, 1818)	Motacillidae	Least concern
105.	Blue Rock Thrush	<i>Monticola solitarius</i> (Linnaeus, 1758)	Muscicapidae	Least concern
106.	Chestnut-bellied Rock Thrush	<i>Monticola rufiventris</i> (Jardine & Selby, 1833)	Muscicapidae	Least concern
107.	Blue Whistling Thrush	<i>Myophonus caeruleus</i> (Scopoli, 1786)	Muscicapidae	Least concern
108.	Orange-headed Thrush	<i>Zoothera citrina</i> (Latham, 1790)	Muscicapidae	Least concern
109.	Dark-sided Thrush	<i>Zoothera marginata</i> (Blyth, 1847)	Muscicapidae	Least concern
110.	Scaly Thrush	<i>Zoothera dauma</i> (Latham, 1790)	Muscicapidae	Least concern
111.	Tickell's Thrush	<i>Turdus unicolor</i> (Tickell, 1833)	Muscicapidae	Least concern
112.	Black-breasted Thrush	<i>Turdus dissimilis</i> (Blyth, 1847)	Muscicapidae	Least concern
113.	Chestnut Thrush	<i>Turdus rubrocanus gouldi</i> (Hodgson, 1846)	Muscicapidae	Least concern
114.	Lesser Short wing	<i>Brachypteryx leucophrys</i> (Temminck, 1827)	Muscicapidae	Least concern
115.	Little Pied Flycatcher	<i>Ficedula westermanni</i> (Sharpe, 1888)	Muscicapidae	Least concern
116.	Slaty-blue Flycatcher	<i>Ficedula tricolor</i> (Hodgson, 1845)	Muscicapidae	Least concern
117.	Blue-throat	<i>Luscinia svecica</i> (Linnaeus, 1758)	Muscicapidae	Least concern
118.	Fire throat	<i>Luscinia pectardens</i> (David, 1871)	Muscicapidae	Near threatened
119.	Black Redstart	<i>Phoenicurus ochruros</i> (Gmelin, 1774)	Muscicapidae	Least concern
120.	Siberian Stonechat	<i>Saxicola maurus</i> (Pallas, 1773)	Muscicapidae	Least concern
121.	common Stonechat	<i>Saxicola Torquatus</i> (Linnaeus, 1766)	Muscicapidae	Least concern
122.	Grey bush chat	<i>Saxicola ferrea</i> (Gray, 1846)	Muscicapidae	Least concern
123.	Large Niltava	<i>Niltava grandis</i> (Blyth, 1842)	Muscicapidae	Least concern
124.	Ferruginous Flycatcher	<i>Muscicapa ferruginea</i> (Hodgson, 1845)	Muscicapidae	Least concern
125.	Red-throated Flycatcher	<i>Ficedula parva</i> (Bechstein, 1792)	Muscicapidae	Least concern
126.	Snow-browed Flycatcher	<i>Ficedula hyperythra</i> (Blyth, 1843)	Muscicapidae	Least concern
127.	Sapphire Flycatcher	<i>Ficedula sapphire</i> (Blyth, 1843)	Muscicapidae	Least concern
128.	Verdier Flycatcher	<i>Eumyias thalassina</i> (Swainson, 1838)	Muscicapidae	Least concern
129.	Large Niltava	<i>Niltava grandis</i> (Blyth, 1842)	Muscicapidae	Least concern
130.	Small Niltava	<i>Niltava macgrigoriae</i> (Burton, 1836)	Muscicapidae	Least concern
131.	Rufous -bellied Niltava	<i>Niltava sundara</i> (Hodgson, 1837)	Muscicapidae	Least concern
132.	Pale-blue Flycatcher	<i>Cyornis unicolor</i> (Blyth, 1843)	Muscicapidae	Least concern
133.	Grey-headed Canary Flycatcher	<i>Culicicapa ceylonensis</i> (Swainson, 1820)	Muscicapidae	Least concern
134.	Siberian Rubythroat	<i>Luscinia calliope</i> (Pallas, 1776)	Muscicapidae	Least concern

135.	White-tailed Rubythroat	<i>Luscinia pectoralis</i> (Gould, 1837)	Muscicapidae	Least concern
136.	Pale-chinned Flycatcher	<i>Cyornis poliogenys</i> (Brooks, 1879)	Muscicapidae	Least concern
137.	Oriental Magpie Robin	<i>Copsychus saularis</i> (Linnaeus, 1758)	Muscicapidae	Least concern
138.	White-rumped shama	<i>Copsychus malabaricus</i> (Scopoli, 1788)	Muscicapidae	Least concern
139.	Hodgson's Redstart	<i>Phoenicurus hodgsoni</i> (Moore, 1854)	Muscicapidae	Least concern
140.	Daurian Redstart	<i>Phoenicurus auroreus</i> (Pallas, 1776)	Muscicapidae	Least concern
141.	Blue front Redstart	<i>Phoenicurus frontalis</i> (Vigors, 1832)	Muscicapidae	Least concern
142.	Plumbeous Water-redstart	<i>Rhyacornis fuliginosa</i> (Vigors, 1831)	Muscicapidae	Least concern
143.	White-capped water Redstart	<i>Chaimarrornis leucocephalus</i> (Vigors, 1831)	Muscicapidae	Least concern
144.	White-tailed Robin	<i>Myioma leucura</i> (Hodgson, 1845)	Muscicapidae	Least concern
145.	Black-backed fork tail	<i>Enicurus immaculatus</i> (Hodgson, 1836)	Muscicapidae	Least concern
146.	White-throated Bushchat	<i>Saxicola insignis</i> (Gray, 1846)	Muscicapidae	Least concern
147.	White-tailed Stonechat	<i>Saxicola leucura</i> (Blyth, 1847)	Muscicapidae	Least concern
148.	Jordon's bush chat	<i>Saxicola jerdoni</i> (Blyth, 1867)	Muscicapidae	Least concern
149.	Yellow-vented Flowerpecker	<i>Dicaeum chrysorrheum</i> (Temminck & Laugier, 1829)	Nectariniidae	Least concern
150.	Pale-billed Flowerpecker	<i>Dicaeum erythrorhynchos</i> (Latham, 1790)	Nectariniidae	Least concern
151.	Fire-breasted Flowerpecker	<i>Dicaeum ignipectus</i> (Blyth, 1843)	Nectariniidae	Least concern
152.	Scarlet-baked Flowerpecker	<i>Dicaeum cruentatum</i> (Linnaeus, 1758)	Nectariniidae	Least concern
153.	Plain Flowerpecker	<i>Dicaeum concolor</i> (Jerdon, 1840)	Nectariniidae	Least concern
154.	Ruby-cheeked Sunbird	<i>Anthreptes singalensis</i> (Gmelin, 1788)	Nectariniidae	Least concern
155.	Crimson sunbird	<i>Aethopyga Siparaja</i> (Raffles, 1822)	Nectariniidae	Least concern
156.	Purple sunbird	<i>Nectarinia asiatica</i> (Latham, 1790)	Nectariniidae	Not assessed
157.	Black-throated Sunbird	<i>Aethopyga saturate</i> (Hodgson, 1836)	Nectariniidae	Not assessed
158.	Streak spider hunter	<i>Arachnothera magna</i> (Hodgson, 1837)	Nectariniidae	Not assessed
159.	Great Tit	<i>parus major</i> (Linnaeus, 1758)	Paridae	Least concern
160.	Sultan Tit	<i>Melanochlora sultanea</i> (Hodgson, 1837)	Paridae	Least concern
161.	House Sparrow	<i>Passer domesticus</i> (Linnaeus, 1758)	Passeridae	Least concern
162.	Eurasian Tree Sparrow	<i>Passer montanus</i> (Linnaeus, 1758)	Passeridae	Least concern
163.	Baya weaver	<i>Ploceus philippinus</i> (Linnaeus, 1766)	Passeridae	Least concern
164.	Black-headed Munia	<i>Lonchura moluca</i> (Linnaeus, 1766)	Passeridae	Least concern
165.	White Wagtail	<i>Motacilla alba</i> (Linnaeus, 1758)	Passeridae	Not assessed
166.	White-browed Wagtail	<i>Motacilla madaraspatisensis</i> (Gmelin, 1789)	Passeridae	Least concern
167.	Blyth's Pipit	<i>Anthus godlewskii</i> (Taczanowski, 1876)	Passeridae	Least concern
168.	Tree Pipit	<i>Anthus trivialis</i> (Linnaeus, 1758)	Passeridae	Least concern
169.	Black-breasted Weaver	<i>Ploceus benghalensis</i> (Linnaeus, 1758)	Passeridae	Least concern
170.	Buff-bellied Pipit	<i>Anthus rubescens</i> (Tunstall, 1771)	Passeridae	Not assessed
171.	Streaker Weaver	<i>Ploceus manyar</i> (Horsfield, 1821)	Passeridae	Not assessed
172.	Finn's Weaver	<i>Ploceus megarhynchus</i> (Hume, 1869)	Passeridae	Not assessed
173.	Red Avadavat	<i>Amandava amandava</i> (Linnaeus, 1758)	Passeridae	Not assessed
174.	Scaly-breasted Munia	<i>Lonchura punctulata</i> (Linnaeus, 1758)	Passeridae	Not assessed
175.	White-rumped Munia	<i>Lonchura striata</i> (Linnaeus, 1766)	Passeridae	Not assessed
176.	Hooded Pitta	<i>Pitta sordida</i> (Müller, 1776)	Pittidae	Least concern
177.	Black-crested Bulbul	<i>Pycnonotus melanicterus</i> (Gmelin, 1789)	Pycnonotidae	Least concern
178.	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i> (Linnaeus, 1758)	Pycnonotidae	Least concern
179.	Red-vented Bulbul	<i>Pycnonotus cafer</i> (Linnaeus, 1766)	Pycnonotidae	Least concern
180.	Ashy Bulbul	<i>Hemixos flava</i> (Blyth, 1845)	Pycnonotidae	Least concern
181.	White-throated Bulbul	<i>Alophoixus flaveolus</i> (Gould, 1836)	Pycnonotidae	Least concern
182.	Black Bulbul	<i>Hypsipetes leucocephalus</i> (Gmelin, 1789)	Pycnonotidae	Least concern
183.	White-throated Fantail	<i>Rhipidura albicollis</i> (Vieillot, 1818)	Rhipiduridae	Least concern
184.	White-throat Fantail Flycatcher	<i>Rhipidura albicollis</i> (Vieillot, 1818)	Rhipiduridae	Least concern
185.	Chestnut-bellied Nuthatch	<i>Sitta castanea</i> (Lesson, 1830)	Sittidae	Least concern
186.	Velvet-fronted Nuthatch	<i>Sitta frontalis</i> (Swainson, 1820)	Sittidae	Least concern
187.	Sport-wined Starling	<i>Saroglossa spiloptera</i> (Vigors, 1831)	Sturnidae	Least concern
188.	Chestnut starling	<i>Sturnus malabaricus</i> (Gmelin, 1789)	Sturnidae	Least concern
189.	Brahminy Starling	<i>Sturnus pagodarum</i> (Gmelin, 1789)	Sturnidae	Least concern
190.	Asian Pied Starling	<i>Sturnus contra</i> (Linnaeus, 1758)	Sturnidae	Least concern
191.	Common Starling	<i>Sturnus vulgaris</i> (Linnaeus, 1758)	Sturnidae	Least concern
192.	Common Myna	<i>Acridotheres tristis</i> (Linnaeus, 1766)	Sturnidae	Least concern
193.	Jungle Myna	<i>Acridotheres fuscus</i> (Wagler, 1827)	Sturnidae	Least concern
194.	White vented Myna	<i>Acridotheres cinereus</i> (Bonaparte, 1851)	Sturnidae	Least concern
195.	Common Hill Myna	<i>Gracula religiosa</i> (Linnaeus, 1758)	Sturnidae	Least concern
196.	Bank Myna	<i>Acridotheres ginginianus</i> (Latham, 1790)	Sturnidae	Least concern
197.	Slaty-bellied Tesia	<i>Tesia olivea</i> (McClelland, 1840)	Sylviidae	Least concern
198.	Grey-bellied Tesia	<i>Tesia cyaniventer</i> (Hodgson, 1837)	Sylviidae	Least concern
199.	Pale-footed Bush Warbler	<i>Cettia pallidipes</i> (Blanford, 1872)	Sylviidae	Least concern
200.	Brownish-flanked Bush Warbler	<i>Cettia fortipes</i> (Hodgson, 1845)	Sylviidae	Least concern
201.	Chestnut-crowned Bush Warbler	<i>Cettia major</i> (Horsfield & Moore, 1854)	Sylviidae	Least concern
202.	Aberrant Bush Warbler	<i>Cettia flavolivacea</i> (Blyth, 1845)	Sylviidae	Least concern
203.	Grey-sided Bush Warbler	<i>Cettia brunnifrons</i> (Hodgson, 1845)	Sylviidae	Least concern
204.	Spotted Bush Warbler	<i>Bradypterus thoracicus</i> (Blyth, 1845)	Sylviidae	Least concern
205.	Chinese Bush Warbler	<i>Bradypterus taczanowskii</i> (Swinhoe, 1871)	Sylviidae	Least concern
206.	Russet Bush Warbler	<i>Bradypterus seebohi</i> (Brooks, 1875)	Sylviidae	Least concern
207.	Paddy field Warbler	<i>Acrocephalus agricola</i> (Jerdon, 1845)	Sylviidae	Least concern

	208.	Common Tailorbird	<i>Orthotomus sutorius</i> (Pennant, 1769)	Sylviidae	Least concern
	209.	Dusky Warbler	<i>Phylloscopus fuscatus</i> (Blyth, 1842)	Sylviidae	Least concern
	210.	Smoky warbler	<i>Phylloscopus fulgiventis</i> (Hodgson, 1845)	Sylviidae	Least concern
	211.	Greenish Warbler	<i>Phylloscopus trochiloides</i> (Sundevall, 1837)	Sylviidae	Least concern
	212.	Blunt-winged Warbler	<i>Acrocephalus concinens</i> (Swinhoe, 1870)	Sylviidae	Least concern
	213.	Bly's Reed Warbler	<i>Acrocephalus dumetorum</i> (Blyth, 1849)	Sylviidae	Least concern
	214.	Clamorous reed Warbler	<i>Acrocephalus stentoreus</i> (Ehrenberg, 1833)	Sylviidae	Least concern
	215.	Thick -billed Warbler	<i>Acrocephalus aedon</i> (Pallas, 1776)	Sylviidae	Least concern
	216.	Oriental Reed Warbler	<i>Acrocephalus orientalis</i> (Temminck & Schlegel, 1847)	Sylviidae	Least concern
	217.	Black-browed Reed Warbler	<i>Acrocephalus bistrigiceps</i> (Swinhoe, 1860)	Sylviidae	Least concern
	218.	Lesser Whitethroat	<i>Sylvia curruca</i> (Linnaeus, 1758)	Sylviidae	Least concern
	219.	Mountain Tailorbird	<i>Orthotomus cuculatus</i> (Temminck, 1836)	Sylviidae	Least concern
	220.	Tickell's Leaf Warbles	<i>Phylloscopus affinis</i> (Tickell, 1833)	Sylviidae	Least concern
	221.	Yellow-eyed Babbler	<i>Chrysomma sinense</i> (Gmelin, 1789)	Sylviidae	Least concern
	222.	Striated Babbler	<i>Turdoides earlei</i> (Blyth, 1844)	Sylviidae	Least concern
	223.	Slender-Billed Babbler	<i>Turdoides longirostris</i> (Moore, 1854)	Sylviidae	Vulnerable
	224.	Nepal Fulvetta	<i>Alcippe nipalensis</i> (Hodgson, 1837)	Sylviidae	Least concern
	225.	Dark-necked tailorbird	<i>Orthotomus atrogularis</i> (Temminck, 1836)	Sylviidae	Least concern
	226.	Large -billed Leaf Warbler	<i>Phylloscopus magnirostris</i> (Blyth, 1843)	Sylviidae	Least concern
	227.	Blyth's Leaf Warbler	<i>Phylloscopus reguloides</i> (Blyth, 1842)	Sylviidae	Least concern
	228.	Yellow -vented Warbler	<i>Phylloscopus cantator</i> (Tickell, 1833)	Sylviidae	Least concern
	229.	Yellow -browed Warbler	<i>Phylloscopus inornatus</i> (Blyth, 1842)	Sylviidae	Least concern
	230.	Hume's Warbler	<i>Phylloscopus humei</i> (Brooks, 1878)	Sylviidae	Least concern
	231.	Ashy-throated Warbler	<i>Phylloscopus maculipennis</i> (Blyth, 1867)	Sylviidae	Least concern
	232.	Eastern Crowned Warbler	<i>Phylloscopus coronatus</i> (Temminck & Schlegel, 1847)	Sylviidae	Least concern
	233.	Common Chiffchaff	<i>Phylloscopus collybita</i> (Vieillot, 1817)	Sylviidae	Least concern
	234.	Golden -Spectacled Warbler	<i>Seiurus burkii</i> (E. Burton, 1836)	Sylviidae	Least concern
	235.	Grey -hooded Warbler	<i>Seiurus xanthoschistos</i> (Gray & Gray, 1846)	Sylviidae	Least concern
	236.	White -spectacled Warbler	<i>Seiurus affinis</i> (Hodgson, 1854)	Sylviidae	Least concern
	237.	Grey -Cheeked Warbler	<i>Seiurus poliogenys</i> (Blyth, 1847)	Sylviidae	Least concern
	238.	Chestnut -Crowned Warbler	<i>Seiurus castaneiceps</i> (Hodgson, 1845)	Sylviidae	Least concern
	239.	Rufous -faced Warbler	<i>Abroscopus albogularis</i> (Hodgson, 1854)	Sylviidae	Least concern
	240.	Yellow -bellied Warbler	<i>Abroscopus superciliosus</i> (Blyth, 1859)	Sylviidae	Least concern
	241.	Striated Grass bird	<i>Megalurus palustris</i> (Horsfield, 1821)	Sylviidae	Least concern
	242.	Bristled Grass bird	<i>Chaetornis striata</i> (Jerdon, 1841)	Sylviidae	Least concern
	243.	Rufous-rumped Grass bird	<i>Graminicola bengalensis</i> (Jerdon, 1863)	Sylviidae	Least concern
	244.	Lesser Neck laced Laughing thrush	<i>Garrulax monileger</i> (Jerdon, 1863)	Sylviidae	Not assessed
	245.	Greater Neck laced Laughing thrush	<i>Garrulax pectoralis</i> (Gould, 1836)	Sylviidae	Not assessed
	246.	Rufous -Neck laced Laughing thrush	<i>Garrulax ruficollis</i> (Jardine & Selby, 1838)	Sylviidae	Least concern
	247.	Abbott's Babbler	<i>Malacocincla abbotti</i> (Blyth, 1845)	Sylviidae	Not assessed
	248.	Buff-breasted Babbler	<i>Pellorneum tickelli</i> (Blyth, 1859)	Sylviidae	Not assessed
	249.	Marsh Babbler	<i>Pellorneum palustre</i> (Gould, 1872)	Sylviidae	Least concern
	250.	Puff -Throated Babbler	<i>Pellorneum ruficeps</i> (Swainson, 1832)	Sylviidae	Not assessed
	251.	Spot -Throated Babbler	<i>Pellorneum albiventris</i> (Godwin-Austen, 1877)	Sylviidae	Not assessed
	252.	White -browed Scimitar Babbler	<i>Pomatorhinus schisticeps</i> (Hodgson, 1836)	Sylviidae	Not assessed
	253.	Rufous-fronted Babbler	<i>Stachyris rufifrons</i> (Hume, 1873)	Sylviidae	Not assessed
	254.	White-bellied Yuhina	<i>Yuhina zantholeuca</i> (Blyth, 1844)	Sylviidae	Not assessed
	255.	Pygmy Wren-Babbler	<i>Pnoepyga pusilla</i> (Hodgson, 1845)	Timaliidae	Least concern
	256.	Grey-Throated Babbler	<i>Stachyris nigriceps</i> (Blyth, 1844)	Timaliidae	Least concern
	257.	Striped Tit Babbler	<i>Macronous gularis</i> (Horsfield, 1822)	Timaliidae	Least concern
	258.	Jerdon's Babbler	<i>Chrysomma altirostris</i> (Jerdon, 1862)	Timaliidae	Vulnerable
	259.	Jungle Babbler	<i>Turdoides striatus</i> (Dumont, 1823)	Timaliidae	Least concern
	260.	White -hooded babbler	<i>Gampsorhynchus rufulus</i> (Blyth, 1844)	Timaliidae	Least concern
	261.	Red-tailed Minla	<i>Minla ignotincta</i> (Hodgson, 1837)	Timaliidae	Least concern
	262.	Dark -throated Thrush	<i>Turdus ruficollis</i> (Pallas, 1776)	Turdidae	Least concern
	263.	Dusky Thrush	<i>Turdus naumanni</i> (Temminck, 1820)	Turdidae	Least concern
	264.	Grey-winged Black Bird	<i>Turdus boulboul</i> (Latham, 1790)	Turdidae	Least concern
	265.	Oriental White-eye	<i>Zosterops palpebrosus</i> (Temminck, 1824)	Zosteropidae	Least concern
Coraciiformes	266.	Common kingfisher	<i>Alcedo atthis</i> (Linnaeus, 1758)	Alcedinidae	Least concern
	267.	Blue-eared kingfisher	<i>Alcedo meninting</i> (Horsfield, 1821)	Alcedinidae	Least concern
	268.	Ruddy kingfisher	<i>Halcyon coromanda</i> (Latham, 1790)	Alcedinidae	Least concern
	269.	White-throated kingfisher	<i>Halcyon smyrnensis</i> (Linnaeus, 1758)	Alcedinidae	Least concern
	270.	Blyth's Kingfisher	<i>Alcedo hercules</i> (Laubmann, 1917)	Alcedinidae	Near threatened
	271.	Pied Kingfisher	<i>Ceryle rudis</i> (Linnaeus, 1758)	Cerylidae	Least concern
	272.	Crested Kingfisher	<i>Megaceryle lugubris</i> (Temminck, 1834)	Cerylidae	Least concern
Anseriformes	273.	Dollar bird	<i>Eurystomus orientalis</i> (Linnaeus, 1766)	Coraciidae	Least concern
	274.	Indian Roller	<i>Coracias benghalensis</i> (Linnaeus, 1758)	Coraciidae	Least concern
	275.	Stork-billed Kingfisher	<i>Halcyon capensis</i> (Linnaeus, 1766)	Halcyonidae	Least concern
	276.	Blue-bearded bee-eater	<i>Nyctornis athertoni</i> (Jardine & Selby, 1830)	Meropidae	Least concern
	277.	Green Bee-eater	<i>Merops orientalis</i> (Latham, 1802)	Meropidae	Least concern
	278.	Blue-tailed bee-eater	<i>Merops philippinus</i> (Linnaeus, 1766)	Meropidae	Least concern

	279.	Chestnut-headed Bee-eater	<i>Merops leschenaulti</i> (Vieillot, 1817)	Meropidae	Least concern
	280.	Common hoopoe	<i>Upupa epops</i> (Linnaeus, 1758)	Upupidae	Least concern
	281.	Red-breasted Goose	<i>Branta ruficollis</i> (Pallas, 1769)	Anatidae	Endangered
	282.	Bean Goose	<i>Anser fabalis</i> (Latham, 1787)	Anatidae	Least concern
	283.	Lesser-whistling-fronted Goose	<i>Anser erythropus</i> (Linnaeus, 1758)	Anatidae	Vulnerable
	284.	Graylag Goose	<i>Anser anser</i> (Linnaeus, 1758)	Anatidae	Least concern
	285.	Bar-headed Goose	<i>Anser indicus</i> (Latham, 1790)	Anatidae	Least concern
	286.	Ruddy She duck	<i>Tadorna ferruginea</i> (Pallas, 1764)	Anatidae	Least concern
	287.	White-Waged Duck	<i>Cairina scutulata</i> (S. Müller, 1842)	Anatidae	Endangered
	288.	Common shield duck	<i>Tadorna tadorna</i> (Linnaeus, 1758)	Anatidae	Least concern
	289.	Comb Duck	<i>Sarkidiornis melanotos</i> (Pennant, 1769)	Anatidae	Least concern
	290.	Cotton pygmy-goose	<i>Nettapus coromandelianus</i> (Gmelin, 1789)	Anatidae	Least concern
	291.	Mandarin duck	<i>Aix galericulata</i> (Linnaeus, 1758)	Anatidae	Least concern
	292.	Gadwall	<i>Anas strepera</i> (Linnaeus, 1758)	Anatidae	Least concern
	293.	Falcatid Duck	<i>Anas falcata</i> (Georgi, 1775)	Anatidae	Near threatened
	294.	Eurasian Wigeon	<i>Anas penelope</i> (Linnaeus, 1758)	Anatidae	Least concern
	295.	Mallard	<i>Anas platyrhynchos</i> (Linnaeus, 1758)	Anatidae	Least concern
	296.	Spot-billed Duck	<i>Anas poecilorhyncha</i> (Forster, 1781)	Anatidae	Least concern
	297.	Northern shoveler	<i>Anas clypeata</i> (Linnaeus, 1758)	Anatidae	Least concern
	298.	Northern pintail	<i>Anas acuta</i> (Linnaeus, 1758)	Anatidae	Least concern
	299.	Common Teal	<i>Anas crecca</i> (Linnaeus, 1758)	Anatidae	Least concern
	300.	Baikal Teal	<i>Anas formosa</i> (Georgi, 1775)	Anatidae	Least concern
	301.	Garganey	<i>Anas querquedula</i> (Linnaeus, 1758)	Anatidae	Least concern
	302.	long tailed duck	<i>Clangula hyemalis</i> (Linnaeus, 1758)	Anatidae	Least concern
	303.	common goldeneye	<i>Bucephala clangula</i> (Linnaeus, 1758)	Anatidae	Least concern
	304.	Smew	<i>Mergellus albellus</i> (Linnaeus, 1758)	Anatidae	Least concern
	305.	Red-crested Pochard	<i>Netta rufina</i> (Pallas, 1773)	Anatidae	Least concern
	306.	Common Pochard	<i>Aythya ferina</i> (Linnaeus, 1758)	Anatidae	Least concern
	307.	Ferruginous Pochard	<i>Aythya nyroca</i> (Güldenstädt, 1770)	Anatidae	Near threatened
	308.	Baer's Pochard	<i>Aythya baeri</i> (Radde, 1863)	Anatidae	Endangered
	309.	Tufted Duck	<i>Aythya fuligula</i> (Linnaeus, 1758)	Anatidae	Least concern
	310.	Greater Scaup	<i>Aythya marila</i> (Linnaeus, 1761)	Anatidae	Least concern
	311.	Common Merganser	<i>Mergus merganser</i> (Linnaeus, 1758)	Anatidae	Least concern
	312.	Fulvous Whistling duck	<i>Dendrocygna bicolor</i> (Vieillot, 1816)	Dendrocygndiae	Least concern
	313.	Lesser-whistling-duck	<i>Dendrocygna javanica</i> (Horsfield, 1821)	Dendrocygndiae	Least concern
Suliformes	314.	Darter	<i>Anhinga melanogaster</i> (Pennant, 1769)	Anhingidae	Near threatened
	315.	Little Cormorant	<i>Phalacrocorax niger</i> (Vieillot, 1817)	Phalacrocoracidae	Least concern
	316.	Indian Cormorant	<i>Phalacrocorax fuscicollis</i> (Stephens, 1826)	Phalacrocoracidae	Least concern
	317.	Great Cormorant	<i>Phalacrocorax carbo</i> (Linnaeus, 1758)	Phalacrocoracidae	Least concern
Apodiformes	318.	Himalayan Swiftlet	<i>Collocalia brevirostris</i> (Horsfield, 1840)	Apodidae	Least concern
	319.	Asian palm Swift	<i>Cypsisurus balaniensis</i> (Gray, 1829)	Apodidae	Least concern
	320.	Fork-tailed Swift	<i>Apus pacificus</i> (Latham, 1802)	Apodidae	Least concern
	321.	House Swift	<i>Apus affinis</i> (Gray, 1830)	Apodidae	Least concern
	322.	Alpine swift	<i>Tachymarptis melba</i> (Linnaeus, 1758)	Apodidae	Least concern
	323.	White-throated Needle tail	<i>Hirundapus caudacutus</i> (Latham, 1802)	Apodidae	Least concern
Pelecaniformes	324.	Little Egret	<i>Egretta garzetta</i> (Linnaeus, 1766)	Ardeidae	Least concern
	325.	Grey Heron	<i>Ardea cinerea</i> (Linnaeus, 1758)	Ardeidae	Least concern
	326.	Purple Heron	<i>Ardea purpurea</i> (Linnaeus, 1766)	Ardeidae	Least concern
	327.	White-bellied Heron	<i>Ardea insignis</i> (Hume, 1878)	Ardeidae	Critically Endangered
	328.	Great Egret	<i>Casmerodius albus</i> (Linnaeus, 1758)	Ardeidae	Least concern
	329.	Cattle Egret	<i>Bubulcus ibis</i> (Linnaeus, 1758)	Ardeidae	Least concern
	330.	India Pond Heron	<i>Ardeola grayii</i> (Sykes, 1832)	Ardeidae	Least concern
	331.	Malayan Night Heron	<i>Gorsachius melanolophus</i> (Raffles, 1822)	Ardeidae	Least concern
	332.	Little Bittern	<i>Ixobrychus minutus</i> (Linnaeus, 1766)	Ardeidae	Least concern
	333.	Yellow Bittern	<i>Ixobrychus sinensis</i> (Gmelin, 1789)	Ardeidae	Least concern
	334.	Cinnamon Bittern	<i>Ixobrychus cinnamomeus</i> (Gmelin, 1789)	Ardeidae	Least concern
	335.	Black Bittern	<i>Dupetor flavicollis</i> (Latham, 1790)	Ardeidae	Least concern
	336.	Intermediate Egret	<i>Mesophox intermedia</i> (Wagler, 1829)	Ardeidae	Least concern
	337.	Little Heron	<i>Butorides striatus</i> (Linnaeus, 1758)	Ardeidae	Least concern
	338.	Black-crowned Night Heron	<i>Nycticorax nycticorax</i> (Linnaeus, 1758)	Ardeidae	Least concern
	339.	Oriental pied hornbill	<i>Anthracoceros albirostris</i> (Shaw & Nodder, 1807)	Bucerotidae	Least concern
	340.	Great hornbill	<i>Buceros bicornis</i> (Linnaeus, 1758)	Bucerotidae	Near threatened
	341.	Great White Pelican	<i>Pelecanus onocrotalus</i> (Linnaeus, 1758)	Pelecanidae	Least concern
	342.	Spot-billed Pelican	<i>Pelecanus philippensis</i> (Gmelin, 1789)	Pelecanidae	Least concern
	343.	Glossy ibis	<i>Plegadis falcinellus</i> (Linnaeus, 1766)	Threskiornithidae	Least concern
	344.	Eurasian Spoonbill	<i>Platalea leucorodia</i> (Linnaeus, 1758)	Threskiornithidae	Least concern
Caprimulgiformes	345.	large-tailed nightjar	<i>Caprimulgus macrurus</i> (Horsfield, 1821)	Caprimulgidae	Least concern
	346.	Indian Nightjar	<i>Caprimulgus asiaticus</i> (Latham, 1790)	Caprimulgidae	Least concern
	347.	Gey Nightjar	<i>caprimulgus indicus</i> (Latham, 1790)	Caprimulgidae	Least concern

Charadriiformes	348.	Great Thick- Knee	<i>Esacus recurvirostris</i> (Cuvier, 1829)	Burhinidae	Least concern
	349.	Eurasian Thick-knee	<i>Burhinus oedicnemus</i> (Linnaeus, 1758)	Burhinidae	Least concern
	350.	Pacific Golden Plover	<i>Pluvialis fulva</i> (Gmelin, 1789)	Charadriidae	Least concern
	351.	Kentish Plover	<i>Charadrius alexandrinus</i> (Linnaeus, 1758)	Charadriidae	Least concern
	352.	Eurasian Golden plover	<i>Pluvialis apricaria</i> (Linnaeus, 1758)	Charadriidae	Least concern
	353.	Long-billed Plover	<i>Charadrius placidus</i> (Gray & Gray, 1863)	Charadriidae	Least concern
	354.	Northern lapwing	<i>Vanellus vanellus</i> (Linnaeus, 1758)	Charadriidae	Least concern
	355.	River Lapwing	<i>Vanellus duvaucelii</i> (Lesson, 1826)	Charadriidae	Least concern
	356.	Grey-headed lapwing	<i>Vanellus cinereus</i> (Blyth, 1842)	Charadriidae	Least concern
	357.	Little Ringed Plover	<i>Charadrius dubius</i> (Scopoli, 1786)	Charadriidae	Least concern
	358.	Grey-headed Lapwing	<i>Vanellus cinereus</i> (Blyth, 1842)	Charadriidae	Least concern
	359.	Red-wattled Lapwing	<i>Vanellus indicus</i> (Boddaert, 1783)	Charadriidae	Least concern
	360.	Small Pratincole	<i>Glareola lactea</i> (Temminck, 1820)	Glareolidae	Least concern
	361.	Pheasant-tailed jacana	<i>Hydrophasianus chirurgus</i> (Scopoli, 1786)	Jacanidae	Least concern
	362.	Bronze-winged Jacana	<i>Metopidius indicus</i> (Latham, 1790)	Jacanidae	Least concern
	363.	Pallas's Gull	<i>Larus ichthyaetus</i> (Pallas, 1773)	Laridae	Least concern
	364.	Brown headed Gull	<i>Larus brunnicephalus</i> (Jerdon, 1840)	Laridae	Least concern
	365.	Black-headed Gull	<i>Larus ridibundus</i> (Linnaeus, 1766)	Laridae	Least concern
	366.	River Tern	<i>Sterna aurantia</i> (Gray, 1831)	Laridae	Least concern
	367.	Whiskered Tern	<i>Chlidonias hybridus</i> (Pallas, 1811)	Laridae	Least concern
	368.	Black bellied tern	<i>Sterna acuticauda</i> (Gray, 1832)	Laridae	Least concern
	369.	Pied Avocet	<i>Recurvirostra avosetta</i> (Linnaeus, 1758)	Recurvirostridae	Least concern
	370.	Black Winged Stilt	<i>Himantopus himantopus</i> (Linnaeus, 1758)	Recurvirostridae	Least concern
	371.	Greater Painted-snipe	<i>Rostratula benghalensis</i> (Linnaeus, 1758)	Rostratulidae	Least concern
	372.	Pintail Spine	<i>Gallinago stenura</i> (Bonaparte, 1830)	Scolopacidae	Least concern
	373.	Common Spine	<i>Gallinago gallinago</i> (Linnaeus, 1758)	Scolopacidae	Least concern
	374.	Spotted Redshank	<i>Tringa erythropus</i> (Pallas, 1764)	Scolopacidae	Least concern
	375.	Common Redshank	<i>Tringa totanus</i> (Linnaeus, 1758)	Scolopacidae	Least concern
	376.	Common Greenshank	<i>Tringa nebularia</i> (Gunnerus, 1767)	Scolopacidae	Least concern
	377.	Spotted Greenshank	<i>Tringa guttifer</i> (Nordmann, 1835)	Scolopacidae	Endangered
	378.	Green sandpiper	<i>Tringa ochropus</i> (Linnaeus, 1758)	Scolopacidae	Least concern
	379.	Wood sandpiper	<i>Tringa glareola</i> (Linnaeus, 1758)	Scolopacidae	Least concern
	380.	Common Sandpiper	<i>Actitis hypoleucos</i> (Linnaeus, 1758)	Scolopacidae	Least concern
	381.	Marsh Sandpiper	<i>Tringa stagnatilis</i> (Bechstein, 1803)	Scolopacidae	Least concern
	382.	Asian Dowitcher	<i>Limnodromus semipalmatus</i> (Blyth, 1848)	Scolopacidae	Near threatened
	383.	Temminck's Stint	<i>Calidris temminckii</i> (Leisler, 1812)	Scolopacidae	Least concern
	384.	Long-toed stint	<i>Calidris subminuta</i> (Middendorff, 1853)	Scolopacidae	Least concern
	385.	Little Stint	<i>Calidris minuta</i> (Leisler, 1812)	Scolopacidae	Least concern
	386.	Whimbrel	<i>Numenius phaeopus</i> (Linnaeus, 1758)	Scolopacidae	Least concern
	387.	Eurasian curlew	<i>Numenius arquata</i> (Linnaeus, 1758)	Scolopacidae	Near threatened
	388.	Bar-tailed Godwit	<i>Limosa lapponica</i> (Linnaeus, 1758)	Scolopacidae	Least concern
	389.	Yellow-legged Buttonquail	<i>Turnix tanki</i> (Blyth, 1843)	Turnicidae	Least concern
	390.	Barred Buttonquail	<i>Turnix suscitator</i> (Gmelin, 1789)	Turnicidae	Least concern
	391.	Small Buttonquail	<i>Turnix sylvatica</i> (Desfontaines, 1789)	Turnicidae	Not assessed
Ciconiiformes	392.	Asian Openbill	<i>Anastomus oscitans</i> (Boddaert, 1783)	Ciconiidae	Least concern
	393.	Black Stork	<i>Ciconia nigra</i> (Linnaeus, 1758)	Ciconiidae	Least concern
	394.	Woolly-necked Stork	<i>Ciconia episcopus</i> (Boddaert, 1783)	Ciconiidae	Least concern
	395.	Black-necked stork	<i>Ephippiorhynchus asiaticus</i> (Latham, 1790)s	Ciconiidae	Near threatened
	396.	Paint Stork	<i>Mycteria leucocephala</i> (Pennant, 1769)	Ciconiidae	Near threatened
	397.	White Stork	<i>Ciconia ciconia</i> (Linnaeus, 1758)	Ciconiidae	Least concern
	398.	Lesser Adjutant	<i>Leptoptilos javanicus</i> (Horsfield, 1821)	Ciconiidae	Vulnerable
	399.	Greater Adjutant	<i>Leptoptilos dubius</i> (Gmelin, 1789)	Ciconiidae	Endangered
Columbiformes	400.	Barred Cuckoo Dove	<i>Macropygia unchall</i> (Wagler, 1827)	Columbidae	Least concern
	401.	Rock pigeon	<i>Columba livia</i> (Gmelin, 1789)	Columbidae	Least concern
	402.	Pale capped Pigeon	<i>Columba punicea</i> (Blyth, 1842)	Columbidae	Least concern
	403.	Oreintal Turtle Dove	<i>Streptopelia orientalis</i> (Latham, 1790)	Columbidae	Least concern
	404.	Spotted Dove	<i>Streptopelia chinensis</i> (Scopoli, 1768)	Columbidae	Least concern
	405.	Red Collared Dove	<i>Streptopelia tranquebarica</i> (Hermann, 1804)	Columbidae	Least concern
	406.	Eurasian Collared Dove	<i>Streptopelia decaocto</i> (Frisvaldszky, 1838)	Columbidae	Least concern
	407.	Pin tailed Green Pigeon	<i>Treron apicauda</i> (Blyth, 1846)	Columbidae	Least concern
	408.	Emerald Dove	<i>Chalcophaps indica</i> (Linnaeus, 1758)	Columbidae	Least concern
	409.	Pompadour Green Pigeon	<i>Treron pompadora</i> (Gmelin, 1789)	Columbidae	Least concern
	410.	Thick -billed Green Pigeon	<i>Treron curvirostra</i> (Gmelin, 1789)	Columbidae	Least concern
	411.	Yellow- footed Green Pigeon	<i>Tredon phoenicoptera</i> (Gmelin, 1789)	Columbidae	Least concern
	412.	Wedge -tailed Green Pigeon	<i>Treron sphenurus</i> (Vigors, 1832)	Columbidae	Least concern
	413.	Green imperial Pigeon	<i>Ducula aenea</i> (Linnaeus, 1766)	Columbidae	Least concern
	414.	Mountain Imperial Pigeon	<i>Ducula badia</i> (Raffles, 1822)	Columbidae	Least concern
Cuculiformes	415.	Pied Cuckoo	<i>Clamator jacobinus</i> (Boddaert, 1783)	Cuculidae	Least concern
	416.	Common Hawk cuckoo	<i>Hierococcyx varius</i> (Vahl, 1797)	Cuculidae	Least concern
	417.	Large Hawk Cuckoo	<i>Hierococcyx sparverioides</i> (Vigors, 1832)	Cuculidae	Least concern
	418.	Eurasian Cuckoo	<i>Cuculus canorus</i> (Linnaeus, 1758)	Cuculidae	Least concern
	419.	India Cuckoo	<i>Cuculus micropterus</i> (Gould, 1837)	Cuculidae	Least concern
	420.	Lesser Cuckoo	<i>Cuculus poliocephalus</i> (Latham, 1790)	Cuculidae	Least concern
	421.	Asian Koel	<i>Eudynamis scolopaceus</i> (Linnaeus, 1758)	Cuculidae	Least concern
	422.	Asian Emerald Cuckoo	<i>Chrysococcyx maculatus</i> (Gmelin, 1788)	Cuculidae	Least concern

	423.	Greater Coucal	<i>Centropus sinensis</i> (Stephens, 1815)	Cuculidae	Least concern
	424.	Lesser Coucal	<i>Centropus bengalensis</i> (Gmelin, 1788)	Cuculidae	Least concern
	425.	Chestnut -Winged Cuckoo	<i>Clamator coromandus</i> (Linnaeus, 1766)	Cuculidae	Least concern
	426.	Banded Bay Cuckoo	<i>Cacomantis sonneratii</i> (Latham, 1790)	Cuculidae	Least concern
	427.	Plaintive Cuckoo	<i>Cacomantis merulinus</i> (Scopoli, 1786)	Cuculidae	Least concern
	428.	Grey-bellied Cuckoo	<i>Cacomantis passerines</i> (Vahl, 1797)	Cuculidae	Least concern
	429.	Drongo Cuckoo	<i>Surniculus lugubris</i> (Horsfield, 1821)	Cuculidae	Least concern
	430.	Green-billed Malkoha	<i>Phaenicophaeus tritis</i> (Lesson, 1830)	Cuculidae	Least concern
Falconiformes	431.	Pied Falconet	<i>Microhierax melanoleucos</i> (Blyth, 1843)	Falconidae	Least concern
	432.	Lesser Kestrel	<i>Falco naumanni</i> (Fleischer, 1818)	Falconidae	Least concern
	433.	Common Kestrel	<i>Falco tinnunculus</i> (Linnaeus, 1758)	Falconidae	Least concern
	434.	Red -necked Falcon	<i>Falco chicquera</i> (Daudin, 18000)	Falconidae	Least concern
	435.	Amur Falcon	<i>Falco amurensis</i> (Radde, 1863)	Falconidae	Least concern
	436.	Eurasian Hobby	<i>Falco subbuteo</i> (Linnaeus, 1758)	Falconidae	Least concern
	437.	Oriental Hobby	<i>Falco severus</i> (Horsfield, 1821)	Falconidae	Least concern
	438.	Peregrine Flacon	<i>Falco peregrinus</i> (Tunstall, 1771)	Falconidae	Least concern
Gruiformes	439.	Sarus Crane	<i>Grus antigone</i> (Linnaeus, 1758)	Gruidae	Vulnerable
	440.	Common crane	<i>Grus grus</i> (Linnaeus, 1758)	Gruidae	Least concern
	441.	Masked fin foot	<i>Heliopais personata</i> (G. R. Gray, 1849)	Heliornithidae	
	442.	Bengal Florican	<i>Houbaropsis bengalensis</i> (Gmelin, 1789)	Otididae	Critically Endangered
	443.	Slaty legged crane	<i>Rallina eurizonoides</i> (Lafresnaye, 1845)	Rallidae	Least concern
	444.	Slaty breasted rail	<i>Gallirallus striatus</i> (Linnaeus, 1766)	Rallidae	Least concern
	445.	Water Rail	<i>Rallus aquaticus</i> (Linnaeus, 1758)	Rallidae	Least concern
	446.	White Breasted water hen	<i>Amaurornis phoenicurus</i> (Pennant, 1769)	Rallidae	Least concern
	447.	Black tailed Crane	<i>Porzana bicolor</i> (Porzana bicolor Walden, 1872)	Rallidae	Least concern
	448.	Ruby breasted Crane	<i>Porzana fusca</i> (Linnaeus, 1766)	Rallidae	Least concern
	449.	Brown Crane	<i>Amaurornis akool</i> (Sykes, 1832)	Rallidae	Least concern
	450.	Common Coot	<i>Fulica atra</i> (Linnaeus, 1758)	Rallidae	Least concern
	451.	Watercock	<i>Gallixrex cinerea</i> (Gmelin, 1789)	Rallidae	Least concern
	452.	Purple Swamp Hen	<i>Porphyrio porphyrio</i> (Linnaeus, 1758)	Rallidae	Least concern
	453.	Common Moorhen	<i>Gallinula chloropus</i> (Linnaeus, 1758)	Rallidae	Least concern
	454.	Common Coot	<i>Fulica atra</i> (Linnaeus, 1758)	Rallidae	Least concern
Galliformes	455.	Black Francolin	<i>Francolinus francolinus</i> (Linnaeus, 1766)	Phasianidae	Least concern
	456.	Swamp Francolin	<i>Francolinus gularis</i> (Temminck, 1815)	Phasianidae	Vulnerable
	457.	Common quail	<i>Coturnix coturnix</i> (Linnaeus, 1758)	Phasianidae	Least concern
	458.	Rain Quail	<i>Coturnix coromandelica</i> (Gmelin, 1789)	Phasianidae	Least concern
	459.	Blue-breasted Quail	<i>Coturnix chinensis</i> (Linnaeus, 1766)	Phasianidae	Least concern
	460.	Red jungle fowl	<i>Gallus gallus</i> (Linnaeus, 1758)	Phasianidae	Least concern
	461.	Kalij Pheasant	<i>Lophura leucomelanos</i> (Latham, 1790)	Phasianidae	Least concern
Piciformes	462.	Eurasian Wryneck	<i>Jynx torquilla</i> (Linnaeus, 1758)	Picidae	Least concern
	463.	Specked Piculet	<i>Picumnus innominatus</i> (Burton, 1836)	Picidae	Least concern
	464.	White-browed Piculet	<i>Sasia ochracea</i> (Hodgson, 1836)	Picidae	Least concern
	465.	Bay woodpecker	<i>Blythipicus pyrrhotis</i> (Hodgson, 1837)	Picidae	Least concern
	466.	Grey -capped pygmy Wood pecker	<i>Dendrocopos canicapillus</i> (Blyth, 1845)	Picidae	Least concern
	467.	Rufous Woodpecker	<i>Celeus brachyurus</i> (Vieillot, 1818)	Picidae	Least concern
	468.	Lesser Yellow Nape	<i>Picus chlorolophus</i> (Vieillot, 1818)	Picidae	Least concern
	469.	Great Yellow Nape	<i>Picus flavinucha</i> (Gould, 1834)	Picidae	Least concern
	470.	Streak -throated Woodpecker	<i>Picus xanthopygaeus</i> (Gray & Gray, 1846)	Picidae	Least concern
	471.	Grey-headed Woodpecker	<i>Picus canus</i> (Gmelin, 1788)	Picidae	Least concern
	472.	Great Flame Back	<i>Chrysocolaptes lucidus</i> (Scopoli, 1786)	Picidae	Least concern
	473.	Himalayan Flame black	<i>Dinopium shorii</i> (Vigors, 1832)	Picidae	Least concern
	474.	Pale -Headed woodpecker	<i>Gecinulus grantia</i> (McClelland, 1840)	Picidae	Least concern
	475.	Fulvous -breasted Woodpecker	<i>Dendrocopos macei</i> (Vieillot, 1818)	Picidae	Least concern
	476.	Great barbet	<i>Megalaima virens</i> (Boddaert, 1783)	Ramphastidae	Least concern
	477.	Lineated Barbet	<i>Megalaima lineata</i> (Vieillot, 1816)	Ramphastidae	Least concern
	478.	Blue-throated Barbet	<i>Megalaima asiatica</i> (Latham, 1790)	Ramphastidae	Least concern
	479.	Coppersmith Barbet	<i>Megalaima haemacephala</i> (Müller, 1776)	Ramphastidae	Least concern
	480.	Blue-eared Barbet	<i>Megalaima australis</i> (Horsfield, 1821)	Ramphastidae	Least concern
Psittaciformes	481.	Alexandrine parakeet	<i>Psittacula eupatria</i> (Linnaeus, 1766)	Psittacidae	Least concern
	482.	Rose-ringed Parakeet	<i>Psittacula krameri</i> (Scopoli, 1769)	Psittacidae	Least concern
	483.	Blossom-headed Parakeet	<i>Psittacula roseata</i> (Biswas, 1951)	Psittacidae	Least concern
	484.	Red-breasted Parakeet	<i>Psittacula alexandrin</i> (Linnaeus, 1758)	Psittacidae	Least concern
Strigiformes	485.	Oriental bay Owl	<i>Phodilus badius</i> (Horsfield, 1821)	Strigidae	Least concern
	486.	Oriental Scops Owl	<i>Otus sunia</i> (Hodgson, 1836)	Strigidae	Least concern
	487.	Collared Scops Owl	<i>Otus bakkamoena</i> (Pennant, 1769)	Strigidae	Least concern
	488.	Eurasian Eagle Owl	<i>Bubo bubo</i> (Linnaeus, 1758)	Strigidae	Least concern
	489.	Brown fish Owl	<i>Ketupa zeylonensis</i> (Gmelin, 1788)	Strigidae	Least concern
	490.	Tawny fish Owl	<i>Ketupa flavipes</i> (Hodgson, 1836)	Strigidae	Least concern
	491.	Asian Barred Owlet	<i>Glaucidium cuculoides</i> (Vigors, 1831)	Strigidae	Least concern
	492.	Jungle Owlet	<i>Glaucidium radiatum</i> (Tickell, 1833)	Strigidae	Least concern
	493.	Collared Owlet	<i>Glaucidium brodiei</i> (Burton, 1836)	Strigidae	Least concern
	494.	Spotted Owlet	<i>Athene brama</i> (Temminck, 1821)	Strigidae	Least concern

	495.	Brown hawk Owl	<i>Ninox scutulata</i> (Raffles, 1822)	Strigidae	Least concern
	496.	Short-eared Owl	<i>Asio flammeus</i> (Pontoppidan, 1763)	Strigidae	Least concern
	497.	Grass Owl	<i>Tyto capensis</i> (Smith, 1834)	Tytonidae	Least concern
	498.	Barn Owl	<i>Tyto alba</i> (Scopoli, 1769)	Tytonidae	Least concern
Trogoniformes	499.	Red-headed Trogon	<i>Harpactes erythrocephalus</i> (Gould, 1834)	Trogonidea	Least concern
Podicipediformes	500.	Little Grebe	<i>Tachybaptus ruficollis</i> (Pallas, 1764)	Podicipedidae	Least concern
	501.	Great Crested Grebe	<i>Podiceps cristatus</i> (Linnaeus, 1758)	Podicipedidae	Least concern
	502.	Black-necked Grebe	<i>Podiceps nigricollis</i> (Brehm, 1831)	Podicipedidae	Least concern

CONCLUSION

The ecology of the DSBR biosphere Reserve is keeps change in every year because of the flood and erosion. Present study also reveals that the wetland has been facing some danger so far the habitat and its overall biodiversity is concerned. The main conservation issue is diversion of a channel of the Lohit river through Ananta nullah, a small channel in early 1990s. This has resulted in widening of the latter channel into a wide river, which ultimately made the Biosphere reserve an island. Large areas have been eroded in the process. These recurring floods often change the river course itself, causing both soil erosion and siltation, and playing a significant role by way of modifying the habitat of DSBR Birds species. The next major issue is the presence of two large forest villages inside the Park. Most of the forests have been heavily exploited for timber, and very little dense forest remains. Therefore, some steps like Proper documentation of biodiversity of the Dibru-Saikhowa bird should be encouraged, massive awareness programmes should be launched among wetland users and other common peoples to educate them about the negative effects of wetland degradation and depletion of its biodiversity and Government should take initiative for the conservation of the IBA siteare urgently needed to minimize the risk of total deterioration of the riparian wetland bird of Dibru-Saikhowa biosphere reserve.

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