

BIODIVERSITY CONCEPT, THREATS AND CONSERVATION STRATEGIES

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An Assessment of Avifaunal Biodiversity of Bastar District of Chhattisgarh

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Study area: District Bastar Chhattisgarh, India

Coordinates: 80. 5°-82. 1°E; 18. 4°-19. 9°N

Abstract

The present assessment is a compilation of the data collected during the studies conducted to record the avifaunal diversity of the Bastar district of Chhattisgarh conducted during the time period of year 2011 to 2023 which recorded the sighting of 325 species of birds belonging to 20 orders, out of these many species were reported for the first time in Central India. The study also recorded the sightings of many migratory birds which indicates towards the importance of the area as an important stopover on the migration route and calls for urgent steps for conservation activities to be taken in order to protect the habitat of the ecological hot spots of the study area.

Introduction

Birds have always played an important role in the Indian

society as part of its culture, belief system, mythology, folklore, literature and religious rituals. India has a rich avian biodiversity with 1263 avian species recorded till date (Praveen *et al.* , 2016). Unfortunate events like pollution, habitat loss and global warming has resulted in the loss of bird biodiversity at an accelerated pace in recent time and it requires urgent steps like development of protection and management plans and establishment of protected areas. The first requirement of these efforts is the assessment of the biodiversity, specifically in case of newly created states like Chhattisgarh, where no specific previous data in this respect is available. This study thus aims to create an updated checklist of avifaunal diversity present within the administrative boundary of Bastar district.

Study area

The survey area (Bastar District) covers an area of 4,029. 98 Km²; just over 1/9th of Dandkaranya Plateau or Bastar Plateau located on southernmost part of state of Chhattisgarh, Tributaries of Indravati River and Sabri River drains through the region and meets the river, Godavari. The whole plateau is divided into 7 districts. The field survey on avifaunal diversity was conducted specifically in the proper Bastar district of the Chhattisgarh. A portion of east and majority of the north of the district is a plain area with sporadic forests, dominated by agriculture fields and water bodies. Southeast of the district is a Protected Area designated as Kanger Valley National Park (KNVP), which is well known for its relevance to biodiversity, varied habitats, limestone caves, and waterfalls. Fringing to the east of the KVNP is the Machkot Forest Range (MFR), a Reserve Forest which is equally rich in biodiversity. The maximum part of the surveyed area lies in the Deccan-trap Plateau with altitude ranging from 200 m to 1200 m above the mean sea level (MSL).

Methodology

An area of 4,029.98 Km of newly demarcated Bastar district was covered on regular basis and regular revisits to the hot spot areas in all seasons of the year were conducted for recording avifaunal diversity and for any possible new species and re-encounters of species during 01/01/2011 to 30/04/2023. Photographic evidences were also collected during the survey. For proper identification, Ali & Ripley (1968-1974), Grimmett (2011), Kazmierczak (2012); Naoroji (2011) was followed. All the followed common names are based on Praveen (2016).

Results and discussion

Most of the avifaunal inventory of Central India, prior to the year 2000, the year in which Chhattisgarh is carved out of the state of Madhya Pradesh were inclusive of both states or of some protected areas. Majumder (1984) published a list of 97 bird species from Bastar district (formed in 1948 by the union of two princely states of Bastar and Kanker); Saha (1995) reported 92 species of birds from Indravati Tiger Reserve; Chandra & Singh (2004) reviewed the avifauna of Madhya Pradesh and Chhattisgarh listing a total of 517 species/subspecies among which 197 species and subspecies were reported from Chhattisgarh. An avifaunal survey of the Protected Areas (PAs) of Chhattisgarh reported 131 species of birds in Kanger Valley National Park and 123 species in Guru Ghasidas National Park (Chakraborty, 2008). Further, Pande, , 2012 described 404 avian species for the entire state of Chhattisgarh in a pictorial guidebook. Chandra. , 2015 updated the checklist of avifaunal diversity of Bastar plateau to a total of 304 species belonging to 194 genera under 63 families with the new addition of 89 species.

During the survey 325 species belonging to 20 different orders of birds were recorded out of which *Gallicrex cinerea*, *Vanellus cinereus*, *Cypsiurus balasiensis*, *Antheptes*

singalensis, *Oriolus chinensis*, *Ixobrychus sinensis*, *Ichthyaetus ichthyaetus*, *Tephrodornis virgatus*, *Acrocephalus orientalis*, *Pellorneum ruficeps* and *Turdoides affinis* were reported for the first time in central India.

Birds of interest

- a. Spot-billed Pelican- During the survey a spot-billed Pelican was spotted at Dalpatsagar on march 10 of the year 2012 and after a gap of nearly six years a specimen of the same species is again spotted at the same area during the month of august 2019.

This species is considered as near threatened according to the International Union of Conservation of Nature (IUCN). It is assumed that these birds are using the lake as a stopover on their migratory route.

- b. Amur Falcon- In the year 2015 the Eastern red footed Falcon a lesser-known threatened species of raptor was spotted at north eastern side of Rajnagar tank, about 26 kilometers from Jagdalpur. These birds on their migration from China to South Africa are using this route and using the Bastar as a stopover indicating the availability of food and safer habitat.
- c. Leucistic domestic crow- An extremely rare Leucistic crow was spotted and photographed on 24th April 2021. These crows show partial of total lack of melanin both in feathers and skin but normal colours in eye, bill and feet. The specimen was spotted a few more times in flock and in solitude.



(a) Spot-billed Pelican (*Pelecanus philippensis*)



(b) Amur Falcon (*Falco amurensis*)



(c) Leucistic domestic crow (*Corvus splendens*)

Remarks

The survey recorded 326 species of birds of 20 orders in the Bastar district which includes many species reported first time in Central India. This study also establishes the importance of Bastar as an important stopover on the migration route of birds as evident from the sighting of many migratory birds. It also emphasizes on the importance of ecological hotspots like Dalpat Sagar, Kanger Valley National Park and Machkot forest and calls for urgent efforts on their conservation. **Table- List of birds of Bastar classified according to the order and family**

S.I no	Common Name	Scientific Name	Order	Family
1	Bronze-winged Jacana	<i>Metropidius indicus</i> (Latham, 1790)	Charadriiformes	Jacaniidae
2	Pheasant-tailed Jacana	<i>Hydrophasianus chirurgus</i> (Scopoli, 1786)	Charadriiformes	Jacaniidae
3	Pacific Golden-Plover	<i>Pluvialis fulva</i> (Gmelin, 1789)	Charadriiformes	Charadriidae
4	Yellow-wattled Lapwing	<i>Vanellus malabaricus</i> (Boddaert, 1783)	Charadriiformes	Charadriidae
5	Red-wattled Lapwing	<i>Vanellus indicus</i> (Boddaert, 1783)	Charadriiformes	Charadriidae
6	Grey-headed Lapwing	<i>Vanellus cinereus</i> (Linnaeus, 1758)	Charadriiformes	Charadriidae
7	Little Ringed Plover	<i>Charadrius dubius</i> (Scopoli, 1786)	Charadriiformes	Charadriidae
8	Common Greenshank	<i>Tringa nebularia</i> (Gunner, 1767)	Charadriiformes	Scolopacidae
9	Common Redshank	<i>Tringa totanus</i> (Linnaeus, 1758)	Charadriiformes	Scolopacidae
10	Spotted Redshank	<i>Tringa erythropus</i> (Pallas, 1764)	Charadriiformes	Scolopacidae
11	Common Sandpiper	<i>Actitis hypoleucos</i> Linnaeus, 1758	Charadriiformes	Scolopacidae
12	Wood Sandpiper	<i>Tringa glareola</i> Linnaeus, 1758	Charadriiformes	Scolopacidae

S.I no	Common Name	Scientific Name	Order	Family
13	Common Snipe	<i>Gallinago gallinago</i> (Linnaeus, 1758)	Charadri-formes	Scolopacidae
14	Temminck's Stint	<i>Calidris temminckii</i> (Leisler, 1812)	Charadri-formes	Scolopacidae
15	Black-winged Stilt	<i>Himantopus himantopus</i> (Linnaeus, 1758)	Charadri-formes	Recurvirostridae
16	Greater Painted-Snipe	<i>Rostratula benghalensis</i> (Linnaeus, 1758)	Charadri-formes	Rostratulidae
17	Stone Curlew	<i>Burhinus oedipnemus</i> (Linnaeus, 1758)	Charadri-formes	Burhinidae
18	Indian Courser	<i>Cursoriuscoro mandelicus</i> (Gmelin, 1789)	Charadri-formes	Glareolidae
19	Blak-headed Gull	<i>Larus ridibundus</i> Linnaeus, 1766	Charadri-formes	Laridae
20	River Tern	<i>Sterna aurantia</i> Gray, 1831	Charadri-formes	Laridae
21	Black-capped Kingfisher	<i>Halcyon pileata</i> (Boddaert, 1783)	Coraci-formes	Alcedinidae
22	Small Blue Kingfisher	<i>Alcedo atthis</i> (Linnaeus, 1758)	Coraci-formes	Alcedinidae
23	Lesser Pied Kingfisher	<i>Ceryle rudis</i> (Linnaeus, 1758)	Coraci-formes	Alcedinidae
24	White-breasted kingfisher	<i>Halcyon smyrnensis</i> (Linnaeus, 1758)	Coraci-formes	Alcedinidae
25	Chestnut-headed Bee-eater	<i>Merops lechenaulti</i> (Vieillot, 1817)	Coraci-formes	Meropidae
26	Small Bee-eater	<i>Merops orientalis</i> (Latham, 1801)	Coraci-formes	Meropidae
27	Blue-tailed Bee-eater	<i>Merops philippinus</i> (Linnaeus, 1766)	Coraci-formes	Meropidae
28	Blue-bearded Bee-eater	<i>Nyctyornis athertoni</i> (Jardine & Selby, 1828)	Coraci-formes	Meropidae

S.I no	Common Name	Scientific Name	Order	Family
29	Indian Roller	<i>Coracias benghalensis</i> (Linnaeus, 1758)	Coraciiformes	Coraciidae
30	Indian Grey Hornbill	<i>Ocyrceros birostris</i> (Scopoli, 1786)	Coraciiformes	Bucerotidae
31	Common Hoopoe	<i>Upupa epops</i> (Linnaeus, 1758)	Coraciiformes	Upupidae
32	Common Buzzard	<i>Buteo buteo</i>	Accipitriiformes	Accipitridae
33	Eastern marsh harrier	<i>Circus spilonotus</i> (Kaup, 1847)	Accipitriiformes	Accipitridae
34	Crested Goshawk	<i>Accipiter trivirgatus</i>	Accipitriiformes	Accipitridae
35	Pallid Harrier	<i>Circus macrourus</i>	Accipitriiformes	Accipitridae
36	Indian Spotted Eagle	<i>Clanga hastate</i>	Accipitriiformes	Accipitridae
37	Rufous bellied Eagle,	<i>Hieraaetus kienerii</i>	Accipitriiformes	Accipitridae
38	Northern Pintail	<i>Anas acuta</i> (Linnaeus 1758)	Anseriformes	Anatidae
39	Gadwall	<i>Anas strepera</i> , (Linnaeus, 1758)	Anseriformes	Anatidae
40	NothernShoveller	<i>Anas clypeata</i> , (Linnaeus, 1758)	Anseriformes	Anatidae
41	Eurasian Wigeon	<i>Anas penelope</i> (Linnaeus, 1758)	Anseriformes	Anatidae
42	Garganey	<i>Anas querquedula</i> (Linnaeus, 1758)	Anseriformes	Anatidae
43	Bar Headed Goose	<i>Anser indicus</i> (Latham, 1790)	Anseriformes	Anatidae
44	Brahminy Shelduck	<i>Tadorna ferruginea</i> (Pallas, 1764)	Anseriformes	Anatidae
45	Greylag Goose	<i>Anser anser</i> (Linnaeus, 1758)	Anseriformes	Anatidae

S.I no	Common Name	Scientific Name	Order	Family
46	Cotton Teal	<i>Nettapus coromandelianus</i> (Gmelin, 1789)	Anseriformes	Anatidae
47	Common Teal	<i>Anas crecca</i> Linnaeus, 1758	Anseriformes	Anatidae
48	Red Crested Pochard	<i>Rodonessa rufina</i> (Pallas, 1773)	Anseriformes	Anatidae
49	Comon Pochard	<i>Aythya ferina</i> (Linnaeus, 1758)	Anseriformes	Anatidae
50	Lasser Whistling Duck	<i>Dendrocygnajavanica</i> (Horsfield, 1821)	Anseriformes	Anatidae
51	Tufted Duck	<i>Aythya fuligula</i>	Anseriformes	Anatidae
52	Asian Palm-Swift	<i>Cypsiurus balasienensis</i> (J E Gray, 1829)	Apodiformes	Apodidae
53	White-rumped Needle-tail-Swift	<i>Zoonavena sylvatica</i> (Tickell's, 1846)	Apodiformes	Black Ibis
54	House Swift	<i>Apus affinis</i> (J E Gray, 1830)	Apodiformes	Black Stork
55	Alpine Swift	<i>Tachymarptis melba</i> (Linnaeus, 1758)	Apodiformes	Apodidae
56	Crested Tree-Swift	<i>Hemiprocne coronata</i> (Tickell, 1833)	Apodiformes	Hemiprocnidae
57	Indian Jungle Nightjar	<i>Caprimulgus indicus</i> (Latham, 1790)	Caprimulgi-formes	Caprimulgi-idae
58	Large-tailed Nightjar	<i>Caprimulgus macrurus</i> Horsfield, 1821	Caprimulgi-formes	Caprimulgi-idae
59	Common Indian Nightjar	<i>Caprimulgus asiaticus</i> Latham,1790	Caprimulgi-formes	Caprimulgi-idae
60	River Lapwing	<i>Vanellus duvaucelii</i>	Charadrii-formes	Charadriidae
61	Marsh Sand-piper	<i>Tringa stagnatilis</i>	Charadrii-formes	Scolopacidae
62	Curlew Sand-piper	<i>Calidris ferruginea</i>	Charadrii-formes	Scolopacidae

S.I no	Common Name	Scientific Name	Order	Family
63	Kentish Plover	<i>Charadrius alexandrinus</i>	Charadriiformes	Scolopacidae
64	Grey Plover	<i>Pluvialis squatarola</i>	Charadriiformes	Scolopacidae
65	Lesser Sand Plover	<i>Charadrius mongolus</i>	Charadriiformes	Charadriidae
66	Black-tailed Godwit	<i>Limosa limosa</i>	Charadriiformes	Scolopacidae
67	Ruff	<i>Calidris pugnax</i>	Charadriiformes	Scolopacidae
68	Dunlin	<i>Calidris alpina</i>	Charadriiformes	Scolopacidae
69	Eurasian Curlew	<i>Numenius arquata</i>	Charadriiformes	Scolopacidae
70	Little Stint	<i>Calidris minuta</i>	Charadriiformes	Scolopacidae
71	Oriental Pratincole	<i>Glareola maldivarum</i>	Charadriiformes	Glareolidae
72	Little Pratincole	<i>Glareola lacteal</i>	Charadriiformes	Glareolidae
73	Pallas's Gull	<i>Ichthyaetus ichthy-aetus</i>	Charadriiformes	Laridae
74	Brown-headed Gull	<i>Chroicocephalus brunnicephalus</i>	Charadriiformes	Laridae
75	Whiskered Tern	<i>Chlidonias hybrid</i>	Charadriiformes	Laridae
76	Little Egret	<i>Egretta garzetta</i> (Linnaeus, 1766)	Ciconiiformes	Ardeidae
77	Cattle Egret	<i>Bubulcus ibis</i> (Linnaeus, 1758)	Ciconiiformes	Ardeidae
78	Median Egret	<i>Mesophoyx intermedia</i> (Wagler, 1829)	Ciconiiformes	Ardeidae
79	Large Egret	<i>Casmerodius albus</i> (Linnaeus, 1758)	Ciconiiformes	Ardeidae
80	Grey Heron	<i>Adrea cinerea</i> Linnaeus, 1758	Ciconiiformes	Ardeidae

S.I no	Common Name	Scientific Name	Order	Family
81	Chestnut Bittern	<i>Ixobrychus cinnamomeus</i> (Gmelin, 1789)	Ciconiiformes	Ardeidae
82	Black Bittern	<i>Dupetor flavicollis</i> (Latham, 1790)	Ciconiiformes	Ardeidae
83	Purple Heron	<i>Ardea purpurea</i> Linnaeus, 1766	Ciconiiformes	Ardeidae
84	Black-crowned Night-Heron	<i>Nycticorax nycticorax</i> (Linnaeus, 1758)	Ciconiiformes	Ardeidae
85	Little Green Heron	<i>Butorides striatus</i> (Linnaeus, 1758)	Ciconiiformes	Ardeidae
86	Little Bittern	<i>Ixobrychus minutus</i> (Linnaeus, 1766)	Ciconiiformes	Ardeidae
87	Indian Pond Heron	<i>Ardeola grayii</i> (Sykes, 1832)	Ciconiiformes	Ardeidae
88	White-necked Stork	<i>Ciconia episcopus</i> (Boddaert, 1783)	Ciconiiformes	Ciconiidae
89	Openbill Stork	<i>Anastomus scitans</i> (Boddaert, 1783)	Ciconiiformes	Ciconiidae
90	Oriental White Ibis	<i>Threskiornis laniocephalus</i> (Latham, 1790)	Ciconiiformes	Threskiornithidae
91	Little Brown Dove	<i>Streptopelia senegalensis</i> (Linnaeus, 1766)	Columbiformes	Columbidae
92	Red Colored-Dove	<i>Streptopelia tranquebarica</i> (Hermann, 1804)	Columbiformes	Columbidae
93	Oriental Turtle-Dove	<i>Streptopelia orientalis</i> (Latham, 1790)	Columbiformes	Columbidae
94	Emerald Dove	<i>Chalcophaps indica</i> (Linnaeus, 1758)	Columbiformes	Columbidae
95	Blue Rock Pigeon	<i>Columba livia</i> Gmelin, 1789	Columbiformes	Columbidae
96	Spotted Dove	<i>Streptopelia chinensis</i> (Scopoli, 1786)	Columbiformes	Columbidae

S.I no	Common Name	Scientific Name	Order	Family
97	Eurasian Col-lared-Dove	<i>Streptopelia decaocto</i> (Frivaldszky, 1838)	Columbi-formes	Columbidae
98	Orange-breasted Green-Pigeon	<i>Treron bicincta</i> (Jerdon, 1840)	Columbi-formes	Columbidae
99	Yellow-legged Green-Pigeon	<i>Treron phoenicoptera</i> (Latham, 1790)	Columbi-formes	Columbidae
100	Pied Crested Cuckoo	<i>Clamator jacobinus</i> (Boddaert, 1783)	Cuculiformes	Cuculidae
101	Brainfeaver Bird	<i>Hierococcyx varius</i> (Vahl, 1797)	Cuculiformes	Cuculidae
102	Indian Plantive Cuckoo	<i>Cacomantis passerinus</i> (Vahl, 1797)	Cuculiformes	Cuculidae
103	Banded Bay Cuckoo	<i>Cacomantis sonneratii</i> (Latham, 1790)	Cuculiformes	Cuculidae
104	Rufous-bellied Cuckoo	<i>Cacomantis merulinus</i> (Scopoli, 1786)	Cuculiformes	Cuculidae
105	Indian Cuckoo	<i>Cuculus micropterus</i> (Gould, 1838)	Cuculiformes	Cuculidae
106	Greater Coucal	<i>Centropus sinensis</i> (stephens, 1815)	Cuculiformes	Cuculidae
107	Asian Koel	<i>Eudynamys scolopacea</i> (Linnaeus, 1758)	Cuculiformes	Cuculidae
108	Large Green-billed Malkoha	<i>Phaenicophaeus tristis</i> (Lesson, 1830)	Cuculiformes	Cuculidae
109	Small Green-billed Malkoha	<i>Phaenicophaeus viridirostris</i> (Jerdon, 1840)	Cuculiformes	Cuculidae
110	Sirkeer Malkoha	<i>Phaenicophaeus leschenaultii</i> (Lesson, 1830)	Cuculiformes	Cuculidae
111	Drongo Cuckoo	<i>Surniculus lugubris</i>	Cuculiformes	Cuculidae
112	Large Hawk Cuckoo	<i>Hierococcyx sparverioides</i>	Cuculiformes	Cuculidae
113	Eurasian Cuckoo	<i>Cuculus canorus</i>	Cuculiformes	Cuculidae

S.I no	Common Name	Scientific Name	Order	Family
114	Crested Ser-pent Eagle	<i>Spilornis cheela</i> (Latham, 1790)	Falconifer-mes	Accipitridae
115	Black Eagle	<i>Ictinaetus malay-ensis</i> (Temminck, 1822)	Falconifer-mes	Accipitridae
116	Greater Grey Headed Fish Eagle	<i>Ichthyophaga ich-thyaetus</i> (Hornfield; 1821)	Falconifer-mes	Accipitridae
117	Lesser spotted Eagle	<i>Aquila pomarina</i> Brehm, 1831	Falconifer-mes	Accipitridae
118	Short-toed Snake-Eagle	<i>Circaetus gallicus</i> (Gmelin, 1788)	Falconifer-mes	Accipitridae
119	Booted Eagle	<i>Hieraetetu spennat-us</i> (Gmelin, 1788)	Falconifer-mes	Accipitridae
120	Bonelli's Eagle	<i>Hieraetetus fascia-tus</i> (Viellot, 1822)	Falconifer-mes	Accipitridae
121	Changeable Hawk Eagle	<i>Spizaetus cirrhatus</i> (Gmelin, 1788)	Falconifer-mes	Accipitridae
122	Indian White-backed Vulture	<i>Gyps bengalensis</i> (Gmelin, 1788)	Falconifer-mes	Accipitridae
123	Long Billed Vulture	<i>Gyps indicus</i> (Scop-oli, 1786)	Falconifer-mes	Accipitridae
124	Orential Honey Buzzard	<i>Pernis ptilorhyn-chus</i> (Temminck, 1921)	Falconifer-mes	Accipitridae
125	Montagu's Harrier	<i>Circus pygargus</i> (Linnaeus, 1758)	Falconifer-mes	Accipitridae
126	Western Marsh Harrier	<i>Circus aeruginosus</i> (Linnaeus, 1758)	Falconifer-mes	Accipitridae
127	White eyed buzzard	<i>Butastur teesa</i> (Franklin, 1832)	Falconifer-mes	Accipitridae
128	Black Kite	<i>Milvus migrans</i> (Boddert, 1783)	Falconifer-mes	Accipitridae
129	Jerdon'sBaza	<i>Aviceda jardonii</i> (Blyth, 1842)	Falconifer-mes	Accipitridae
130	Brahminy Kite	<i>Haliastur indus</i> (Boddaert, 1783)	Falconifer-mes	Accipitridae

S.I no	Common Name	Scientific Name	Order	Family
131	Black Shouldered Kite	<i>Elanus caeruleus</i> (Desfontaines, 1789)	Falconiformes	Accipitridae
132	Black Baza	<i>Aviceda leuphotes</i> (Dumont, 1820)	Falconiformes	Accipitridae
133	Pied Harrier	<i>Circus melanoleucos</i> (Gmelin, 1770)	Falconiformes	Accipitridae
134	Besra Sparrow Hawk	<i>Accipiter virgatus</i> (Temminck, 1822)	Falconiformes	Accipitridae
135	Shikra	<i>Accipiter badius</i> (Gmelin, 1788)	Falconiformes	Accipitridae
136	Osprey	<i>Pandion haliaetus</i> (Linnaeus, 1758)	Falconiformes	Pandionidae
137	Common Kestrel	<i>Falco tinnunculus</i> Linnaeus, 1758	Falconiformes	Falconidae
138	Peregrine Falcon	<i>Falco peregrines</i>	Falconiformes	Falconidae
139	Amur Falcon	<i>Falco amurensis</i>	Falconiformes	Falconidae
140	Painted Francolin	<i>Francolinus pictus</i> (Jardine & Selby, 1828)	Galliformes	Phasianidae
141	Grey Francolin	<i>Francolinus pondicerianus</i> (Gmelin, 1789)	Galliformes	Phasianidae
142	Common Quail	<i>Coturnix coturnix</i> (Linnaeus, 1758)	Galliformes	Phasianidae
143	Rain Quail	<i>Coturnix coromandelica</i> (Gmelin, 1789)	Galliformes	Phasianidae
144	Indian Peafowl	<i>Pavo cristatus</i> Linnaeus, 1758	Galliformes	Phasianidae
145	Red Junglefowl	<i>Gallus gallus</i> (Linnaeus, 1758)	Galliformes	Phasianidae
146	Purple Moorhen	<i>Porphyrio porphyrio</i> (Linnaeus, 1758)	Gruiformes	Rallidae
147	Common Moorhen	<i>Gallinula chloropus</i> (Linnaeus, 1758)	Gruiformes	Rallidae

S.I no	Common Name	Scientific Name	Order	Family
148	Blue-breasted Rail	<i>Gallirallus striatus</i> Linnaeus, 1766	Gruiformes	Rallidae
149	Baillon's Crake	<i>Porzana pusilla</i> (Pallas, 1776)	Gruiformes	Rallidae
150	Brown Crake	<i>Amaurornis akool</i> (Sykes, 1832)	Gruiformes	Rallidae
151	White Brested Waterhen	<i>Amaurornis phoenicurus</i> (Pennant, 1769)	Gruiformes	Rallidae
152	Common Coot	<i>Fulica atra</i> , Linnaeus, 1758	Gruiformes	Rallidae
153	Watercock	<i>Gallixrex cinerea</i> (Gmelin, 1789)	Gruiformes	Rallidae
154	Ruddy-breasted Crake	<i>Porzana fusca</i>	Gruiformes	Rallidae
155	Indian Pitta	<i>Pitta brachyura</i> (Linnaeus, 1766)	Passeriformes	Pittidae
156	Singing Bush-Lark	<i>Mirafra cantillans</i> Blyth, 1845	Passeriformes	Aludidae
157	Ashy-crowned Sparrow Lark	<i>Eremopterix grisea</i> (Scopoli, 1786)	Passeriformes	Aludidae
158	Bengal Bush-Lark	<i>Mirafra assamica</i> Horsfield, 1840	Passeriformes	Aludidae
159	Red-winged Bush-Lark	<i>Mirafra eythrop-tera</i> Blyth, 1845	Passeriformes	Aludidae
160	Rufous-tailed Finch-Lark	<i>Ammomanes phoenicurus</i> (Franklin, 1831)	Passeriformes	Aludidae
161	Eastern Sky-lark	<i>Aluda gulgula</i> Franklin, 1831	Passeriformes	Aludidae
162	Dusky Crag-Martin	<i>Hirundo concolor</i> Sykes, 1833	Passeriformes	Hirundinidae
163	Streak-throated Swallow	<i>Hirundo fluvicola</i> Blyth, 1855	Passeriformes	Hirundinidae
164	Wire-tailed Swallow	<i>Hirundo smithii</i> Leach, 1818	Passeriformes	Hirundinidae
165	Common Swallow	<i>Hirundo rustica</i> Linnaeus, 1758	Passeriformes	Hirundinidae

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166	Red-rumped Swallow	<i>Hirundo daurica</i> Linnaeus, 1771	Passeri-formes	Hirundinidae
167	Large Pied Wagtail	<i>Motacilla maderaspatensis</i> Gmelin,1789	Passeri-formes	Motacillidae
168	Grey Wagtail	<i>Motacilla cinerea</i> Tunstall, 1771	Passeri-formes	Motacillidae
169	White Wagtail	<i>Motacilla alba</i> Linnaeus,1758	Passeri-formes	Motacillidae
170	Citrine Wagtail	<i>Motacilla citreola</i> Pallas, 1776	Passeri-formes	Motacillidae
171	Yellow Wagtail	<i>Motacilla flava</i> Linnaeus,1758	Passeri-formes	Motacillidae
172	Forest Wagtail	<i>Dendronanthus indicus</i> (Gmelin, 1789)	Passeri-formes	Motacillidae
173	Orential Tree Pipet	<i>Anthus hodgsoni</i> Richmond, 1970	Passeri-formes	Motacillidae
174	Paddyfield Pipet	<i>Anthus rufulus</i> Vieillot, 1818	Passeri-formes	Motacillidae
175	Large Cuckoo-Shrike	<i>Coracina macei</i> (Lesson, 1830)	Passeri-formes	Campephagidae
176	Black-headed Cuckoo-Shrike	<i>Coracina melanoptera</i> (Riippell, 1839)	Passeri-formes	Campephagidae
177	Common Woodshrike	<i>Tephrodornis pondicerianus</i> (Gmelin, 1789)	Passeri-formes	Campephagidae
178	Scarlet Minivet	<i>Pericrocotus flammeus</i> (Forster, 1781)	Passeri-formes	Campephagidae
179	Rosy Minivet	<i>Pricocotus roseus</i> (Vieillot, 1818)	Passeri-formes	Campephagidae
180	Small Minivet	<i>Pericrocotus cinnamomeus</i> (Linnaeus, 1766)	Passeri-formes	Campephagidae
181	Black-crested Bulbul	<i>Pycnonotus melanicterus</i> (Gmelin, 1789)	Passeri-formes	Pycnonotidae
182	Red-vented Bulbul	<i>Pycnonotus cafer</i> (Linnaeus, 1766)	Passeri-formes	Pycnonotidae

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183	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i> (Linnaeus, 1758)	Passeri-formes	Pycnonotidae
184	Gold-fronted Chloropsis	<i>Chloropsis aurifrons</i> (Temminck, 1829)	Passeri-formes	Irenidae
185	Common Iora	<i>Aegithina tiphia</i> (Linnaeus, 1758)	Passeri-formes	Irenidae
186	Brown Shrike	<i>Lanius cristatus</i> Linnaeus, 1758	Passeri-formes	Laniidae
187	Rufous-backed Shrike	<i>Lanius schach</i> Linnaeus, 1758	Passeri-formes	Laniidae
188	Bay-backed Shrike	<i>Lanius vittatus</i> Valenciennes, 1826	Passeri-formes	Laniidae
189	White-rumped Shama	<i>Copsychus malabaricus</i> (Scopoli, 1786)	Passeri-formes	Muscicapidae
190	Siberian Rubythroat	<i>Luscinia calliope</i> (Pallas, 1776)	Passeri-formes	Muscicapidae
191	Bluethroat	<i>Luscinia svecica</i> (Linnaeus, 1758)	Passeri-formes	Muscicapidae
192	Blue Rock-Thrush	<i>Monticola solitarius</i> (Linnaeus, 1758)	Passeri-formes	Muscicapidae
193	India Robin	<i>Saxicoloides fulicata</i> (Linnaeus, 1776)	Passeri-formes	Muscicapidae
194	Pied Bushchat	<i>Saxicola caprata</i> (Linnaeus, 1766)	Passeri-formes	Muscicapidae
195	Oriental Magpie-Robin	<i>Copsychus saularis</i> (Linnaeus, 1759)	Passeri-formes	Muscicapidae
196	Orange-headed Thrush	<i>Zoothera citrina</i> (Latham, 1790)	Passeri-formes	Muscicapidae
197	Black Redstart	<i>Phoenicurus ochruros</i> (Gmelin, 1774)	Passeri-formes	Muscicapidae
198	Yellow-eyed Babbler	<i>Chrysomma sinense</i> (Gmelin, 1789)	Passeri-formes	Muscicapidae
199	Indian Scimitar Babbler	<i>Pomatorhinus horsfieldii</i> Sykes, 1832	Passeri-formes	Muscicapidae
200	Jungle Babbler	<i>Turdoides striatus</i> (Dumont, 1823)	Passeri-formes	Muscicapidae

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201	Common Bab-bler	<i>Turdoides caudatus</i> (Dumont, 1823)	Passeri-formes	Muscicap-idae
202	Large Grey Babbler	<i>Turdoides malcolmi</i> (Sykes, 1832)	Passeri-formes	Muscicap-idae
203	Streaked Fan-tail-Warbler	<i>Cisticola juncidis</i> (Rafinesque, 1810)	Passeri-formes	Muscicap-idae
204	JunnglePrinia	<i>Prinia sylvatica</i> Jerdon, 1840	Passeri-formes	Muscicap-idae
205	Ashy Prinia	<i>Prinia socialis</i> Sykes, 1832	Passeri-formes	Muscicap-idae
206	Rufous-fronted Prinia	<i>Prinia buchanani</i> Blyth, 1884	Passeri-formes	Muscicap-idae
207	Plain Prinia	<i>Prinia nornata</i> Sykes, 1832	Passeri-formes	Muscicap-idae
208	Common Tai-lorbird	<i>Orthotomus sutoris</i> (Pennant, 1769)	Passeri-formes	Muscicap-idae
209	Common Chiff-chaff	<i>Phylloscopus colly-bita</i> (Tickell, 1833)	Passeri-formes	Muscicap-idae
210	Greenish Leaf-Warbler	<i>Phylloscopus tro-chiloides</i> (Sunde-vall, 1837)	Passeri-formes	Muscicap-idae
211	Olivaceous Leaf-Warbler	<i>Phylloscopus griseo-lus</i> Blyth, 1847	Passeri-formes	Muscicap-idae
212	Orphean War-bler	<i>Sylvia hortensis</i> (Gmelin, 1789)	Passeri-formes	Muscicap-idae
213	Common Less-er Whitethroat	<i>Sylvia curruca</i> (Linnaeus, 1758)	Passeri-formes	Muscicap-idae
214	Verditer Fly-catcher	<i>Eumyias thalassina</i> (Swainson, 1838)	Passeri-formes	Muscicap-idae
215	Tickell's Blue-Flycatch-er	<i>Cyornis tickelliae</i> Blyth, 1843	Passeri-formes	Muscicap-idae
216	Blue-throated Flycatcher	<i>Cyornis rubeculoi-des</i> (Vigors, 1831)	Passeri-formes	Muscicap-idae
217	Grey-headed Flycatcher	<i>Culicicapa ceylon-ensis</i> (Swainson, 1820)	Passeri-formes	Muscicap-idae

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218	Asian Brown Flycatcher	<i>Muscicapa dauurica</i> Pallas, 1811	Passeriformes	Muscicapidae
219	Red-throated Flycatcher	<i>Ficedula parva</i> (Bechstein, 17920)	Passeriformes	Muscicapidae
220	Ultramarine Flycatcher	<i>Ficedula superciliosa</i> (Jerdon, 1840)	Passeriformes	Muscicapidae
221	Asian Paradise-Flycatcher	<i>Terpsiphone paradisi</i> (Linnaeus, 1758)	Passeriformes	Muscicapidae
222	Black-naped Monarch-Flycatcher	<i>Hypothymis azurea</i> (Boddaert, 1783)	Passeriformes	Muscicapidae
223	Black-lored Yellow Tit	<i>Parus xanthogenys-Vigors</i> , 1831	Passeriformes	Paridae
224	Great Tit	<i>Parus major</i> Linnaeus, 1758	Passeriformes	Paridae
225	Velvet-fronted Nuthatch	<i>Sitta frontalis</i> Swainson, 1820	Passeriformes	Sittidae
226	Chestnut-bellid Nuthatch	<i>Sitta castanea</i> Lesson, 1830	Passeriformes	Sittidae
227	Tickells's Flowerpecker	<i>Dicaeum erythrorhynchos</i> (Latham, 1790)	Passeriformes	Dicaeidae
229	Thick-billed Flowerpecker	<i>Dicaeum agile</i> (Tickell, 1833)	Passeriformes	Dicaeidae
230	Purple-rumped Sunbird	<i>Nectarinia zeylonica</i> (Linnaeus, 1766)	Passeriformes	Nectariniidae
231	Crimson Sunbird	<i>Aethopyga siparaja</i> (Raffles, 1822)	Passeriformes	Nectariniidae
232	Ruby-cheeked Sunbird	<i>Anthreptes singularensis</i> (Gmelin, 1789)	Passeriformes	Nectariniidae
233	Purple Sunbird	<i>Nectarinia asiatica</i> (Latham, 1790)	Passeriformes	Nectariniidae
234	Black-headed Bunting	<i>Emberiza melanocephala</i> Scopoli, 1769	Passeriformes	Emberizidae

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235	Oriental white-eye	<i>Zosterops palpebrosus</i> (Temminck, 1824)	Passeri-formes	Zosteropidae
236	Red Munia	<i>Amandava amandava</i> (Linnaeus, 1758)	Passeri-formes	Estrildidae
237	White-rumped Munia	<i>Lonchura striata</i> (Linnaeus, 1766)	Passeri-formes	Estrildidae
238	White-throated Munia	<i>Lonchura malabarica</i> (Linnaeus, 1758)	Passeri-formes	Estrildidae
239	Spotted Munia	<i>Lonchura punctulata</i> (Linnaeus,1758)	Passeri-formes	Estrildidae
240	Yellow-throated Sparrow	<i>Petronia xanthocolis</i> (Burton, 1838)	Passeri-formes	Passeridae
241	House Sparrow	<i>Passer domesticus</i> (Linnaeus, 1758)	Passeri-formes	Passeridae
242	Baya Weaver	<i>Ploceus philippinus</i> (Linnaeus, 1766)	Passeri-formes	Passeridae
243	Common Myna	<i>Acridotheres tristis</i> (Linnaeus, 1766)	Passeri-formes	Sturnidae
244	Common Hill Myna	<i>Gracula religiosa</i> Linnaeus, 1758	Passeri-formes	Sturnidae
245	Rosy Starling	<i>Sturnus roseus</i> (Linnaeus,1758)	Passeri-formes	Sturnidae
246	Asian Pied Starling	<i>Sturnus contra</i> Linnaeus, 1758	Passeri-formes	Sturnidae
247	Grey-headed Starling	<i>Sturnus malabaricus</i> (Gmelin, 1789)	Passeri-formes	Sturnidae
248	Brahminy Starling	<i>Sturnus pagodarum</i> (Gmelin,1789)	Passeri-formes	Sturnidae
249	Jungle Myna	<i>Acridotheres fuscus</i> (Wagler, 1827)	Passeri-formes	Sturnidae
250	Eurasian Golden Oriole	<i>Oriolus oriolus</i> (Linnaeus, 1758)	Passeri-formes	Oriolidae
251	Black-headed Oriole	<i>Oriolus xanthornus</i> (Linnaeus , 1758)	Passeri-formes	Oriolidae
252	Black-naped Oriole	<i>Oriolus chinensis</i> Linnaeus, 1766	Passeri-formes	Oriolidae

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253	Black Drongo	<i>Dicrurus macrocerus</i> Vieillot, 1817	Passeriformes	Dicruridae
254	Spangled Drongo	<i>Dicrurus hottentottus</i> (Linnaeus, 1766)	Passeriformes	Dicruridae
255	Bronzed Drongo	<i>Dicrurus aeneus</i> Vieillot, 1817	Passeriformes	Dicruridae
256	Ashy Drongo	<i>Dicrurus eucophaeus</i> Vieillot, 1817	Passeriformes	Dicruridae
257	White-bellied Drongo	<i>Dicrurus caerulescens</i> (Linnaeus, 1758)	Passeriformes	Dicruridae
258	Greater Racket-tailed Drongo	<i>Dicrurus paradiseus</i> (Linnaeus, 1766)	Passeriformes	Dicruridae
259	Ashy Wood-swallow	<i>Artamus fuscus</i> Vieillot, 1817	Passeriformes	Artamidae
260	Jungle Crow	<i>Corvus macrorhynchos</i> Wagler, 1827	Passeriformes	Corvidae
261	House Crow	<i>Corvus splendens</i> (Vieillot, 1817)	Passeriformes	Corvidae
262	Indian Treepie	<i>Dendrocitta vagavanda</i> (Latham, 1970)	Passeriformes	Corvidae
263	Crested Bunting	<i>Melophus lathami</i>	Passeriformes	Emberizidae
264	Richard's Pipit	<i>Anthus richardi</i>	Passeriformes	Motacillidae
265	Tawny Pipit	<i>Anthus campestris</i>	Passeriformes	Motacillidae
266	Blyth's Pipit	<i>Anthus godlewskii</i>	Passeriformes	Motacillidae
267	Long-billed Pipit	<i>Anthus similis</i>	Passeriformes	Motacillidae
268	Bar-winged or Pied Flycatcher Shrike	<i>Hemipus picatus</i>	Passeriformes	Vangidae

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269	Large Wood-shrike	<i>Tephrodornis virgatus</i>	Passeri-formes	Vangidae
270	Common Rose-finch	<i>Erythrina erythrina</i>	Passeri-formes	Fringillidae
271	Grey-breasted Prinia	<i>Prinia hodgsonii</i>	Passeri-formes	Cisticolidae
272	Booted Warbler	<i>Iduna caligata</i>	Passeri-formes	Acrocephalidae
273	Sykes Warbler	<i>Iduna rama</i>	Passeri-formes	Acrocephalidae
274	Blyth's Reed Warbler	<i>Acrocephalus dumetorum</i>	Passeri-formes	Acrocephalidae
275	Paddyfield Warbler	<i>Acrocephalus Agricola</i>	Passeri-formes	Acrocephalidae
276	Oriental (Great) Reed Warbler	<i>Acrocephalus orientalis</i>	Passeri-formes	Acrocephalidae
277	Clamorous Reed Warbler (Indian Great Reed Warbler)	<i>Acrocephalus stentoreus</i>	Passeri-formes	Acrocephalidae
278	Western Crowned warbler	<i>Seicercus occipitalis</i>	Passeri-formes	Phylloscopidae
279	Pin striped Babbler or Yellow-breasted Babbler	<i>Mixornis gularis</i>	Passeri-formes	Timaliidae
280	Puff-throated Babbler	<i>Pellorneum ruficeps</i>	Passeri-formes	Pellorneidae
281	Brown Cheeked Fulvetta or Quaker Tit Babbler	<i>Alcippe poioicephala</i>	Passeri-formes	Leiothrichidae
282	Yellow-billed Babbler	<i>Turdoides affinis</i>	Passeri-formes	Leiothrichidae
283	Blue-capped Rock-thrush	<i>Monticola cinclorhyncha</i>	Passeri-formes	Muscicapidae

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284	Desert Wheatear	<i>Oenanthe pleschan-ka</i>	Passeri- formes	Muscicap- idae
285	Common (Sibe- rian) stonechat	<i>Saxicola maurus</i>	Passeri- formes	Muscicap- idae
286	Tickell's Thrush	<i>Turdus unicolor</i>	Passeri- formes	Turdidae
287	Black-headed Munia	<i>Lonchura Malacca</i>	Passeri- formes	Estrildidae
288	Little Cormo- rant	<i>Phalacrocorax ni- ger</i> (Vieillot, 1817)	Pelecani- formes	Phalacro- coracidae
289	Indian Shag	<i>Phalacrocorax fus- cicollis</i> Stephens, 1826	Pelecani- formes	Phalacro- coracidae
290	Great Cormo- rant	<i>Phalacrocorax carbo</i> (Linnaeus, 1758)	Pelecani- formes	Phalacro- coracidae
291	Spot-billed Pelican	<i>Pelecanus philip- pensis</i> Gmelin, 1789	Pelecani- formes	Pelecanidae
292	Darter	<i>Anhinga melan- ogaster</i> Pennant, 1769	Pelecani- formes	Anhingidae
293	Yellow Bittern	<i>Ixobrychus sinensis</i>	Pelecani- formes	Ardeidae
294	Brown-headed Barbet	<i>Megalaima zeylani- ca</i> (Gmelin, 1788)	Piciformes	Capitonidae
295	Coppersmith Barbet	<i>Megalaima hae- macephala</i> (Mul- lar, 1766)	Piciformes	Capitonidae
296	Eurasian Wry- neck	<i>Jynx torquilla</i> Lin- naeus, 1758	Piciformes	Picidae
297	Yellow-fronted Pied Wood- pecker	<i>Dendrocopos mah- rattensis</i> (Latham, 1801)	Piciformes	Picidae
298	Lesser Gold- en-backed Woodpecker	<i>Dinopium bengha- lense</i> (Linnaeus, 1758)	Piciformes	Picidae
299	Heart-spotted Woodpecker	<i>Hemicircus canente</i> (Lesson, 1830)	Piciformes	Picidae

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300	Speckled Piculet	<i>Picumnus innominatus</i> Burton, 1836	Piciformes	Picidae
301	Brown-capped Pygmy woodpecker	<i>Dendrocopos nanus</i> (Vigors, 1832)	Piciformes	Picidae
302	Grey-capped Pygmy Woodpecker	<i>Dendrocopos canicapillus</i> (Blyth, 1845)	Piciformes	Picidae
303	Rofous Woodpecker	<i>Celeus brachyurus</i> (Vieillot, 1818)	Piciformes	Picidae
304	Great Black Woodpecker	<i>Dryocopus javensis</i> (Horsfield, 1821)	Piciformes	Picidae
305	Little Scaly-bellied Green Woodpecker	<i>Picus xanthopygaeus</i> (Grey & Grey, 1846)	Piciformes	Picidae
306	Greater Golden-backed Woodpecker	<i>Chrysocolaptes lucidus</i> (Scopoli, 1786)	Piciformes	Picidae
307	Black-shouldered Woodpecker	<i>Chrysocolaptes festivus</i> (Boddaert, 1783)	Piciformes	Picidae
308	Small Yellow-napped Woodpecker	<i>Picus chlorolophus</i>	Piciformes	Picidae
309	Little Grebe	<i>Tachybaptus ruficollis</i> (Pallas, 1764)	Podicipediformes	Podicipedidae
310	Great Crested Grebe	<i>Podiceps cristatus</i> (Linnaeus, 1758)	Podicipediformes	Podicipedidae
311	Indian Hanging-Parrot	<i>Loriculus vernalis</i> (Sparrman, 1787)	Psittaciformes	Psittacidae
312	Alexandrine Parakeet	<i>Psittacula eupatria</i> (Linnaeus, 1766)	Psittaciformes	Psittacidae
313	Rose-ringed Parakeet	<i>Psittacula krameri</i> (Scopoli, 1769)	Psittaciformes	Psittacidae
314	Plum-headed Parakeet	<i>Psittacula cyanocephala</i> (Linnaeus, 1766)	Psittaciformes	Psittacidae

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315	Spotted Owlet	<i>Athene brama</i> (Temminck, 1821)	Strigiformes	Strigidae
316	Jungle Owlet	<i>Glaucidium Radia-tum</i> (Tickell, 1833)	Strigiformes	Strigidae
317	Brown Fish-Owl	<i>Ketupa zeylonensis</i> (Gmelin,1788)	Strigiformes	Strigidae
318	Eurasian Eagle-Owl	<i>Bubo bubo</i> (Linnaeus, 1758)	Strigiformes	Strigidae
319	Barn Owl	<i>Tyto alba</i> (Scopoli, 1769)	Strigiformes	Tytonidae
320	Brown Hawk Owl	<i>Ninox scutulata</i>	Strigiformes	Strigidae
321	Brown Wood Owl	<i>Strix leptogram-mica</i>	Strigiformes	Strigidae
322	Collared Scops Owl	<i>Otus bakkamoena</i>	Strigiformes	Strigidae
323	Malabar Trogon	<i>Harpactes fasciatus</i> (Pennant, 1769)	Trogoni-formes	Trogonidae
324	Yellow-legged Buttonquail	<i>Turnixtanki</i> Blyth, 1843	Turnici-formes	Turnicidae
325	Common Buttonquail	<i>Turnix suscitator</i> (Gmelin, 1789)	Turnici-formes	Turnicidae

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