

An Annotated Checklist of Bird species Recorded from 1st October 2015 – 30th September 2016 Using Social Media.

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Oriental Magpie-Robin (*Copsychus saularis*)

Abstract

The 'Birds of Bhutan' (BoB) is a citizen-science Facebook forum that was created in October 2015. It is a platform for exchanging information related to bird species in Bhutan. The Forum had more than 3000 members as of 30th September, 2016. Members comprised of birders from Bhutan and birding visitors from around the globe. The members voluntarily contribute bird information to the forum along with photographic evidence. This first annual report is synthesized based on the posts made by the members of this online group. The Forum was created with an objective to build and expand the knowledge base on the birds of Bhutan through documentation of bird diversity by observation, photography, and sharing of information. The ultimate aim of the Forum is to promote awareness, educate

people on birds, monitor, and contribute to bird conservation. The Forum also contributes to the creation of knowledge over the years about the birds' migration patterns, breeding habitats, and population trends.

Every post made on the Forum was reviewed by experts and documented.

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The Forum documented 351 species of birds between 2015 and 2016 out of which a few are threatened bird species in Bhutan.

Keywords: Birds of Bhutan; Facebook; Forum; Social Media

Introduction

The study of birds in Bhutan dates back to the political mission led by R.B Pemberton, an officer in the British Indian Empire, to Bhutan in 1838, where several species of birds were collected (Clement 1992). R.B Pemberton was accompanied by Lieut. Blake as assistant and Dr. William Griffith, a medical officer and a botanist (Ludlow 1937). Despite the statement below made by Pemberton (1865), *“Of the birds in Bootan a detailed account will be hereafter given when a competent examination has been effected of the collection made by the Mission during its progress through the country, no report was published and the surviving specimens carry no locality data”* (Clement 1992:57), it was only in the mid 1930s, that avifauna of Bhutan became known (Ludlow and Kinnear 1937, 1944). Later, between 1966 and 1973, Salim Ali, S.D. Ripley, and a team from the Zoological Survey of India made six collecting trips to the country (Clements 1992).

Some significant publication about birds of Bhutan in the past include Ludlow *et al.* (1937), Abdulali (1969 -1988), Gole (1981), Khacher (1981), Ripley (1973), Saha (1980), Ali *et al.* (1983), Ripley (1982), Clements *et al.* (1986), Dorji (1987), Gaston (1989), Chacko (1991), Wollenhaupt (1991), and Inskipp *et al.* (1999). Today, with the strengthening of research institutes and the growth of education level in the country, more conservation efforts and related study on biodiversity, especially on birds and their distribution, behaviour, habitat, and migration patterns are carried out. There are several methods to study the ecology of birds. Here, I describe a new approach to studying bird ecology.

The ‘Birds of Bhutan’ (BoB) Facebook forum, hereafter referred to as the Forum, was formed in October 2015 to provide an opportunity for birders to share their observations online. The Forum’s objective is to help people learn

about birds in Bhutan and to emphasize the importance of bird conservation. It provides a platform for amateur birders to interact with experts that are also members of the BoB Facebook group. Tourists can also help, in keeping with what Clements said, *“If visiting birdwatchers make an effort to go to little-known areas and to publish records of bird species found there, then they will be making a significant contribution to Himalayan ornithology, and be assisting the Royal Government of Bhutan in achieving its aims of conserving this rare resource”* (1992:66). The record maintained through this Forum will not only help keep a census of the birds found in Bhutan, it will also help in understanding the distribution, migration patterns, and the population of bird species in the country.

Methods

The data for this Study was obtained from the BoB online forum based on bird photographs posted by members from 1st October 2015 to 30th September 2016. New members to the BoB group were briefed on the objective of the Forum and on how to post images of bird species with the required temporal and spatial information. Members made posts on the Forum at any time with no limitation placed on the number of images posted. Each post made on the Forum was reviewed by bird experts or ornithologists who authenticated the identity of the bird. Bird identification by members were double-checked and corrected where necessary. The posts were finally compiled in a standard database in Microsoft Excel, specifically looking at species and frequency of sightings, corresponding to seasons and localities. The localities in which the birds were sighted were linked to their districts for accurate analyses. Records without sufficient information were eliminated from the analysis.

Data analysis

The twenty districts within the country have various habitat types. Many towns are small and surrounded by reasonable bird habitat, including primary forest (Clement 1992) that helps to spot the bird much quicker. Images and information about birds found at low-lying places of the southern regions of Bhutan to extremely cold place of the north were posted on the Forum. Some detailed descriptions of birding localities in Bhutan are presented by Clements (1992), Inskipp and Inskipp (1993a and b), Tymstra *et al.* (1996), and Bishop (1999). The posts on the Forum include common birds in Bhutan such as Eurasian treesparrow (*Passer montanus*), common myna (*Acridotheres tristis*), and red-vented bulbul (*Pycnonotus cafer*). They also include rare birds like white-bellied heron, wards trogon, and pallas's-fish eagle. Most of the birds recorded were from important bird watching areas identified (Figure 1) by

BirdLife International (2017).

The database presented here are from 1st October 2015 to 31st September 2016. The review of 2160 posts made on the Forum during this time ascertained a total of 351 species of birds. Out of 2160 posts, 46 were eliminated from the analysis due to insufficient information such as no photographs, time of sighting, place, and blurred photographs of bird; 35 posts were without date and month of sighting, 9 posts were with blurred photographs and 2 were without photographs. The detailed list of birds recorded on the Forum is provided in the appendix.

Results

A total of 209 landbirds and 42 waterbirds were recorded on the Forum. The Forum received the maximum posts from Thimphu, Punakha and Wangdue Phodrang (Figure 2).

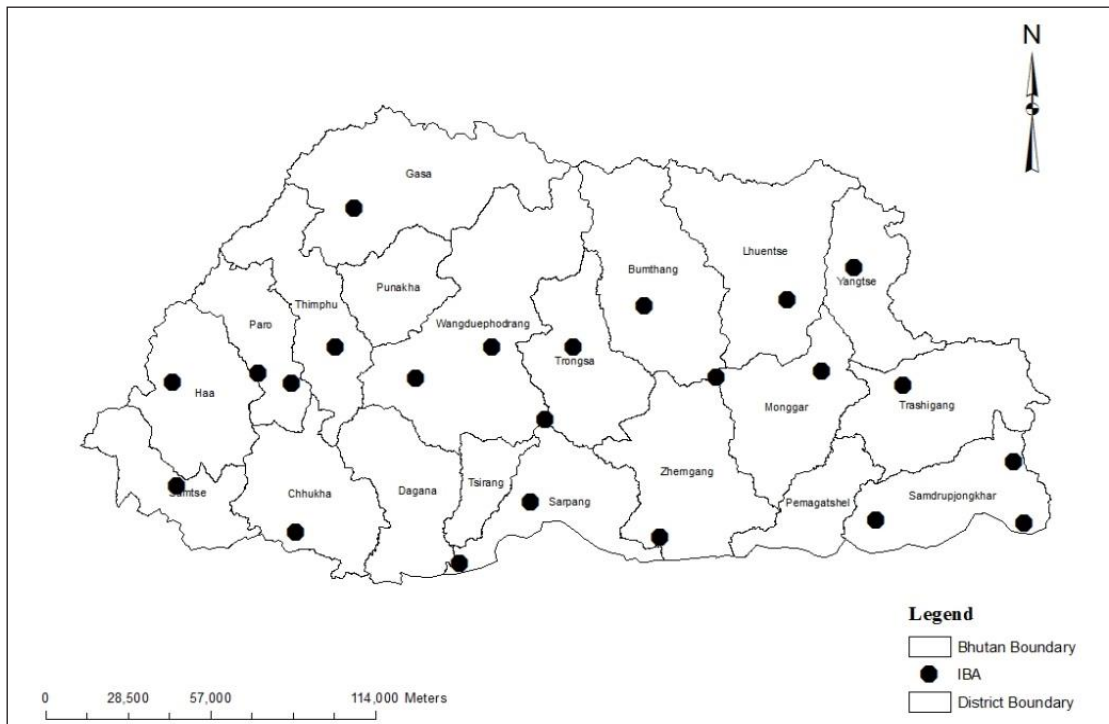


Figure 1: Map showing Important Birdwatching Areas in Bhutan

The data gathered also informed seasonal variation for birding activity in Bhutan. April and September stood out as the most active months for birders (Figure 3).

The Forum received an average of 4 posts per day during its first six months when there were less than 2000 members. With the increase in members, the Forum received an average of 8 daily posts during the last six months of the study period.

According to Birdlife International (2017), Bhutan host a significant number of globally threatened birds; 4 species are of critically endangered birds, 15 species of birds in the vulnerable list, and 24 species of birds in the near threatened list. The Forum received a number of the significantly threatened birds posts, validating the presence of these species in Bhutan (Table 3). Their detail sightings were subsequently explained in the ‘Annotated Checklist of Critically Endangered, Vulnerable

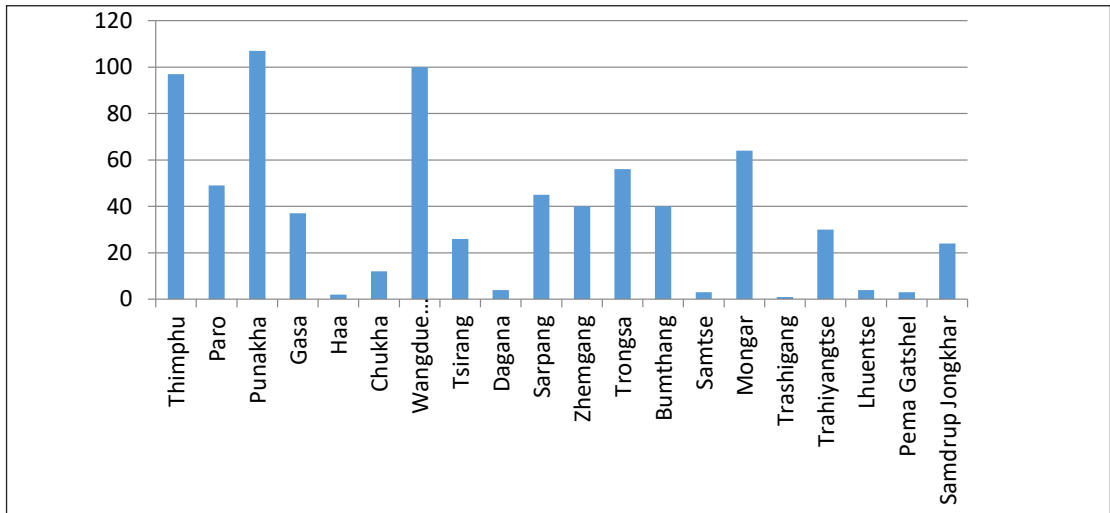


Figure 2: Number of records from each district from October 2015 to 30th September 2016 on the BOB Facebook Forum

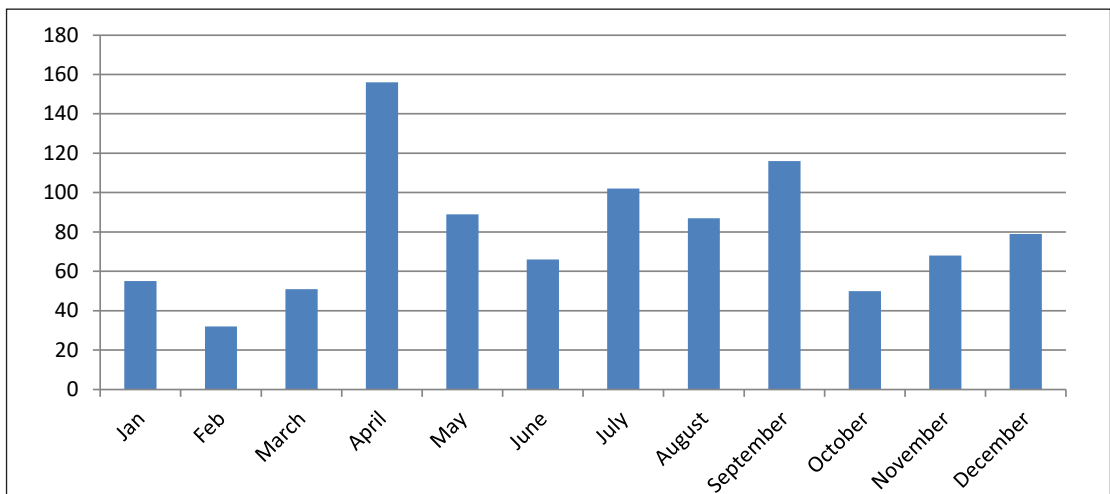


Figure 3: Number of bird species recorded for each month from October 2015 to 30th September 2016

and Near Threatened Birds.’ The English and scientific names of birds provided follow the Helm field guide, ‘Birds of the Indian Subcontinent’ (Grimmett *et al*, 2014).

Table 3: Number of threatened bird species recorded in the Forum from October 2015 to 30th September 2016

Sl. No.	Conservation Status	Number of bird species recorded
1	Critically endangered	1
2	Vulnerable	4
3	Near Threatened	9

Annotated Checklist of Critically Endangered, Vulnerable and Near Threatened Birds.

- i. White-bellied Heron (*Ardea insignis*) was observed and recorded from Phochu, Punakha in November 2015. It was also been sighted for the first time in Trashiyangtse in April 2016 by the faculty and trainees of the UWICER. One adult along with two juveniles were also observed in Sunkosh in the month of June 2016. White-bellied heron has been uplisted from “endangered” to “critically endangered” status in the IUCN Red List of Threatened Species in 2007 because new information on this species indicated that it has an extremely small and rapidly declining population (Biodiversity Action Plan, 2009).
- ii. Beautiful Nuthatch (*Sitta Formosa*). According to BirdLife International (2017) Species factsheet, this bird species was listed as vulnerable. Observation and record of this bird species was made at Morong on 29 April 2016. Two Beautiful Nuthatch birds were observed and recorded foraging actively with other species of birds. The previously published record of the observation of this bird species was on 30 April 1997 by Bishop in the same valley (Bishop, 1999).
- iii. Pallas’s Fish Eagle (*Haliaeetus leucoryphus*). A single bird of this species was observed and recorded in Punakha during the month of November and December 2015. The species was also observed and recorded in JSWNP and Mongar in the month of April 2016. This bird species was on the vulnerable list according to BirdLife International (2017) Species factsheet. This is due to declining population as a result of the degradation and disturbance of wetlands and breeding sites (BirdLife International 2017).
- iv. Rufous-necked Hornbill (*Aceros nipalensis*). This species of hornbill was listed as vulnerable because it has a small, rapidly declining population as a result of the destruction of evergreen forest and hunting (BirdLife International 2001). A pair of this species was observed and recorded on 21 March 2015 at Wangkha, Chukha. Sighting and record were also made from Nabji, Trongsa in the month of July 2016. The species of this bird is widespread and moderately common in subtropical and warm broad-leaved forest throughout Bhutan (Inskipp *et al* and Tymstra *et al* 1993b, 1997).
- v. Black-necked Crane (*Grus nigricollis*). Overall, the Black-necked cranes’ arrival in Bhutan has remained consistent. The arrival of the species in Phobjikha saw an increasing trend, while arrival in Bumdeling, Trashiyangtse has been declining steadily (RSPN, 2011). In the month of February, a presence of single species of this bird was also recorded from Paro. Observation record of the species was made from Phobjikha, Bumdeling and Bumthang in the months of October 2015 – February 2016. According to IUCN Red List of Threatened Species 2017, due to rapid loss of wetlands and changes in agricultural practices in this bird species,

- both breeding and wintering ground, the conservation status of it was listed under vulnerable.
- vi. Satyr Tragopan (*Tragopan satyra*). Although this bird was listed near threatened (Collar et al. 1994), the species appears to be widespread and moderately common in Bhutan (Bishop 1999). In last one year, the post made on the Forum had observed and recorded only a few incidences of seeing this bird species. The observations and records were made from Bumthang, Dochula, and Sengor in the months of April and May 2016.
 - vii. Great Hornbill (*Buceros bicornis*). Since the species occurs at low densities and is patchily distributed, it is considered to be declining moderately rapidly to rapidly throughout its range (BirdLife International 2017). Therefore, this bird species was listed as near threatened according to the IUCN Red List of Threatened Species 2017. Single species of this bird flying towards the north of Gelephu Higher Secondary School, Sarpang on 18 January 2016 was observed and recorded. The species had also been observed and recorded in the month of March 2016 from Samdrup Jongkhar and in August month from Wangdue Phodrang and Zhemgang districts.
 - viii. Yellow-rumped Honeyguide (*Indicator xanthonotus*). The conservation status of this species of bird was listed as near threatened due to declining population as a result of habitat loss and honey extraction by humans (BirdLife International 2017). Observation record of this bird was made in the month of April 2016 at Namling.
 - ix. Ward's Trogon (*Harpactes wardi*). Single species of this bird was observed and recorded from JSWNP, Trongsa, in the month of January 2016. This bird species conservation status was listed as near threatened due to rapid loss of habitat, according to BirdLife International (2017) Species factsheet.
 - x. Northern Lapwing (*Vanellus vanellus*). Single bird of this species was observed and recorded in Wangchhu, Thimphu in December 2015. The species was categorized under near threatened list by IUCN Red List of Threatened Species 2017, due to a decrease in the population size.
 - xi. River Lapwing (*Vanellus duvaucelii*). Four numbers of this bird species was observed and recorded in Babesa, Thimphu in February 2016. It was also common to be observed in Punatshangchhu river between the months of September to May. The earlier published records of this bird species include observation by P. Gole at Manas and Sankosh Rivers (Scott 1989), mention of its occurrence in Bhutan (Ali & Ripley, 1983) and observation in 1992 at Wangdue Phodrang and Gelephu in the month of March (Clement 1992). According to BirdLife International 2016, this species has been uplisted to Near Threatened on the basis that it is expected to undergo a moderately rapid population decline over the next three generations owing to human pressures on riverine ecosystems and the construction of dams.
 - xii. Himalayan Vulture (*Gyps himalayensis*). The conservation status of this bird species was listed as near threatened according to BirdLife International (2017) Species factsheet. It was suspected that the bird will undergo a moderately rapid population decline over the next three generations owing to the impacts of diclofenac use in livestock, a drug that has caused drastic declines in other Gypsspecies and appears to be fatal to this species when ingested (BirdLife International 2017). This bird species observation and the record was made at Pelela, Wangdue Phodrang in February 2016. Four numbers of this species were spotted at the place.

- xiii. Bearded Vulture (*Gypaetus barbatus*). Single record of the observation of this bird species was made from Laya, Gasa in September 2016. This species was uplisted to Near Threatened by the IUCN Red List of Threatened Species 2017, due to a moderately rapid population decline over the past three generations.
- xiv. Alexandrine Parakeet (*Psittacula eupatria*). Four numbers of this species was observed and recorded near Gelephu Higher Secondary School, Sarpang, perched on the Arecanut plant (*Areca catechu*) on 18 December 2015. An observation of this bird species at the same place was recorded during the was sighted in the month of August 2016. This bird was listed as near threatened by the IUCN Red List of Threatened Species 2017. This is due to the species undergoing a moderately rapid population decline owing to on-going habitat loss, persecution, and trapping pressure (BirdLife International 2017).

Conclusion

Bhutan has a rich diversity of flora and fauna species. According to the Birdlife International (2013), Bhutan lies in the range of endemic bird areas (EBA) of Eastern Himalayas and has 23 important birding areas (IBA) within the country that host varieties of bird species. Due to the limited studies and exploration of biodiversity in Bhutan, there is still a huge gap in the field of ornithology.

The fast pace of development taking place and climatological factors will be the key factor in determining the status of birds in Bhutan. It has now become more important for Bhutan to endure in conservation efforts of birds and its habitat. Here, we described a social media platform to consolidate observations by citizens in a framework with rigorous verification of data integrity. Such approaches help build a dataset for birds, where every citizen who

enjoys watching birds can contribute their observation record directly through the simple platform of social media. Later, these data sets gathered will provide critical information to guide future research and conservation efforts.

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APPENDIX

The details of birds recorded in BoB Group from 15th October 2015 to 30th September 2016.

The digits present in 4th column refers to the Districts of Bhutan (Refer the following list of Districts with the code) where the bird species was observed and recorded.

Code	District	Code	District
1	Thimphu	11	Zhemgang
2	Paro	12	Trongsa
3	Punakha	13	Bumthang
4	Gasa	14	Samtse
5	Haa	15	Mongar
6	Chukha	16	Trashigang
7	Wangdue Phodrang	17	Trahiyangtse
8	Tsirang	18	Lhuentse
9	Dagana	19	Pema Gatshel
10	Sarpang	20	Samdrup Jongkhar

Sl. No.	Species	Month	District	Frequency
1	Snow Partridge	June, July	4, 5, 13,	3
	(<i>Lerwa lerwa</i>)			
2	Tibetan Snowcock	May	4,	2
	(<i>Tetraogallus tibetanus</i>)			
3	Tibetan Partridge	August	4,	1
	(<i>Perdix hodgsoniae</i>)			

4	Himalayan Monal	March, April, December,	1, 17	5
	(<i>Lophophorus impejanus</i>)			
5	Satyr Tragopan	April	13, 15,	2
	(<i>Tragopan satyra</i>)			
6	Blood Pheasant	April, June, December	2,17,13	4
	(<i>Ithaginis cruentus</i>)			
7	Indian Peafowl	July, August	10,	4
	(<i>Pavo cristatus</i>)			
8	Grey Peacock-Pheasant (<i>Polyplectron bicalcaratum</i>)	April	9,	1
9	Red Junglefowl	January	11,	1
	(<i>Gallus gallus</i>)			
10	Kalij Pheasant	April, May, September, October, November, December	15, 2,3, 9,	6
	(<i>Lophura leucomelanos</i>)			
11	Bar-headed Goose (<i>Anser indicus</i>)	February	1,	1
12	Ruddy Shelduck	January, February, March, April, May, November, December	3, 11,	10
	(<i>Tadorna ferruginea</i>)			
13	Mandarin Duck	March	17,	1
	(<i>Aix galericulata</i>)			
14	Gadwall	March	17,	2
	(<i>Anas strepera</i>)			
15	Eurasian Wigeon	March, April	17,	3
	(<i>Anas penelope</i>)			
16	Mallard	April	3,	5
	(<i>Anas platyrhynchos</i>)			
17	Eastern Spot-billed Duck	April	3,	2
	(<i>Anas poecilorhyncha</i>)			
18	Northern Pintail	May	17,	3
	(<i>Anas acuta</i>)			
19	Goosander	December	1,	1
	(<i>Mergus merganser</i>)			
20	Common Merganser (<i>Mergus merganser</i>)	March	3,	2
21	Great Crested Grebe	April, July, October, November	7, 12	4
	(<i>Podiceps cristatus</i>)			

22	Eurasian Coot	December	1,	1
	(<i>Fulica atra</i>)			
23	Common Moorhen	December	3,	1
	(<i>Gallinula chloropus</i>)			
24	Indian Pond-Heron	September, November, December	6, 10	5
	(<i>Ardeola grayii</i>)			
25	Striated Heron	May, July	9,	3
	(<i>Butorides striata</i>)			
26	Black-crowned Night-Heron (<i>Nycticorax nycticorax</i>)	May, September,	1, 7,	4
27	Great Cormorant	May, October, November, December	3, 7, 18	7
	(<i>Phalacrocorax carbo</i>)			
28	Little Cormorant	July, August	9,	4
	(<i>Phalacrocorax niger</i>)			
29	White-bellied Heron	April, May, November	3, 17, 8, 11,	4
	(<i>Ardea insignis</i>)			
30	Little Egret	June, December.	10,	3
	(<i>Egretta garzetta</i>)			
31	Cattle Egret	January, December	10,	3
	(<i>Bubulcus ibis</i>)			
32	Osprey	May	3,	2
	(<i>Pandion haliaetus</i>)			
33	Oriental Honey-buzzard	January, December.	10,	2
	(<i>Pernis ptilorhynchus</i>)			
34	Bearded vulture (<i>Gypaetus barbatus</i>)	September	4,	1
35	Himalayan Vulture	September	4,	1
	(<i>Gyps himalayensis</i>)			
36	Himalayan Griffon	February	7,	3
	(<i>Gyps himalayensis</i>)			
37	Crested Serpent-Eagle	April, May, July, August, September, December	1, 3, 7, 9, 20, 10, 12	9
	(<i>Spilornis cheela</i>)			
38	Mountain Hawk-Eagle	June, September, October, December	3, 7,	6
	(<i>Nisaetus nipalensis</i>)			
39	Rufous-bellied Eagle	July	9,	1
	(<i>Hieraaetus kienerii</i>)			

40	Black Eagle (<i>Ictinaetus malaiensis</i>)	April, June, July, September	20, 3, 1	6
41	Pallas's Fish-Eagle (<i>Haliaeetus leucoryphus</i>)	April, December	3, 12, 15,	4
42	Hen Harrier (<i>Circus cyaneus</i>)	January	7,	1
43	Shikra (<i>Accipiter badius</i>)	March, December	1, 10	4
44	Eurasian Sparrowhawk (<i>Accipiter nisus</i>)	April, July	15, 4,	2
45	Northern Gowshak (<i>Accipiter gentilis</i>)	December	1,	1
46	Black Baza (<i>Aviceda leuphotes</i>)	September	9,	1
47	Black Kite (<i>Milvus migrans</i>)	March	6,	4
48	Himalayan Buzzard (<i>Buteo refectus</i>)	May, August, December	2, 4, 13	6
49	Eurasian Kestrel (<i>Falco tinnunculus</i>)	January, April, August, September, October, December	3, 7, 12, 11,	12
50	Eurasian Hobby (<i>Falco subbuteo</i>)	May, September	1, 3,	4
51	Peregrine Falcon (<i>Falco peregrinus</i>)	June, September	7, 3,	3
52	Collared Falconet (<i>Microhierax caerulescens</i>)	April, September	9,	2
53	Slaty-breasted Rail (<i>Gallirallus striatus</i>)	July	1,	3
54	White-breasted Waterhen (<i>Amaurornis phoenicurus</i>)	January, July	10, 9	4
55	Black-tailed Crake (<i>Amaurornis bicolor</i>)	February, April, June, July, August, September, December	13, 11, 3, 1, 7,	11
56	Ruddy-breasted Crake (<i>Porzana fusca</i>)	May, August, September	1, 2,	9
57	Black-necked Crane (<i>Grus nigricollis</i>)	February, December	13, 17,	6

58	Ibisbill	May, August, September, November	1, 2, 3, 4,	14
	(<i>Ibidorhyncha struthersii</i>)			
59	Northern Lapwing	December	1,	1
	(<i>Vanellus vanellus</i>)			
60	River Lapwing	February, April, October	7, 2,	12
	(<i>Vanellus duvaucelii</i>)			
61	Red-wattled Lapwing	May, July, August, September, November	3, 7, 12,	12
	(<i>Vanellus indicus</i>)			
62	Eurasian Golden Plover	September	2,	1
	(<i>Pluvialis apricaria</i>)			
63	Long-billed Plover	August, September, December	1, 7,	4
	(<i>Charadrius placidus</i>)			
64	Common Greenshank	September	9,	3
	(<i>Tringa nebularia</i>)			
65	Common Sandpiper	April, August, October, December	7, 1	14
	(<i>Actitis hypoleucos</i>)			
66	Green Sandpiper	September, December	1, 7,	11
	(<i>Tringa ochropus</i>)			
67	Common Snipe	August, September	7,	8
	(<i>Gallinago gallinago</i>)			
68	Pin-tailed Snipe	April	13,	1
	(<i>Gallinago stenura</i>)			
69	Black-winged Stilt	September	7,	3
	(<i>Himantopus himantopus</i>)			
70	Black-headed Gull (<i>Chroicocephalus ridibundus</i>)	May	3,	1
71	Brown-headed Gull (<i>Chroicocephalus brunnicephalus</i>)	May	1,	2
72	Slender-billed gull (<i>Chroicocephalus genei</i>)	May	1,	1
73	Rock Pigeon	January-December	1,2,3,7,	8
	(<i>Columba livia</i>)			
74	Snow Pigeon	April, May, June	13, 4,1,	7
	(<i>Columba leuconota</i>)			
75	Speckled Wood-Pigeon	April, July, August	1, 2, 4,	6
	(<i>Columba hodgsonii</i>)			

76	Oriental Turtle-Dove	June, July, August, September, October	1, 2, 3, 7, 17,	15
	(<i>Streptopelia orientalis</i>)			
77	Red Collared-Dove	March, August	6, 4,	2
	(<i>Streptopelia tranquebarica</i>)			
78	Spotted Dove (<i>Streptopelia chinensis</i>)	July, August, October	10, 3, 7, 9,	17
79	Barred Cuckoo-Dove	February, March	11, 15, 3, 1,	13
	(<i>Macropygia unchall</i>)			
80	Yellow-footed Pigeon	December	10,	1
	(<i>Treron phoenicopterus</i>)			
81	Wedge-tailed Green Pigeon (<i>Treron sphenura</i>)	April, July, September, October, November	12, 3, 1, 17, 7,	13
82	Green Imperial-Pigeon	July	10,	2
	(<i>Ducula aenea</i>)			
83	Mountain Imperial-Pigeon	July, December	9, 10,	4
	(<i>Ducula badia</i>)			
84	Alexandrine Parakeet	January, August, December	10,	4
	(<i>Psittacula eupatria</i>)			
85	Rose-ringed Parakeet	July, August	9, 10,	2
	(<i>Psittacula krameri</i>)			
86	Slaty-headed Parakeet	October	11,	1
	(<i>Psittacula himalayana</i>)			
87	Chestnut-winged Cuckoo (<i>Clamator coromandus</i>)	May, September	12, 8,	2
88	Large Hawk-Cuckoo	April	15,	7
	(<i>Hierococcyx sparveroides</i>)			
89	Common Cuckoo	April, June, August	3, 12, 4, 9, 15, 20.	16
	(<i>Cuculus canorus</i>)			
90	Himalayan Cuckoo	April, May	1, 15,	5
	(<i>Cuculus saturatus</i>)			
91	Plaintive Cuckoo	May	9,	1
	(<i>Cacomantis merulinus</i>)			
92	Asian Emerald Cuckoo (<i>Chrysococcyx maculatus</i>)	April, June	15, 18,	4
93	Jacobin Cuckoo	September	10,	1
	(<i>Clamator jacobinus</i>)			

94	Lesser Cuckoo	July	3,	1
	(<i>Cuculus poliocephalus</i>)			
95	Asian Koel	April, August	7, 3, 10,	8
	(<i>Eudynamys scolopaceus</i>)			
96	Greater Coucal	July	9,	1
	(<i>Centropus sinensis</i>)			
97	Lesser Coucal	June, July, August, September, October	12, 3, 7,	7
	(<i>Centropus bengalensis</i>)			
98	Green- billed Malkoha (<i>Phaenicophaeus tristis</i>)	August, September	9, 12,	4
99	Barn Owl (<i>Tyto alba</i>)	May	12,	2
100	Collared Owlet	April	15,	3
	(<i>Glaucidium brodiei</i>)			
101	Asian Barred Owlet	May, July, August	7, 8, 9,	8
	(<i>Glaucidium cuculoides</i>)			
102	Grey Nightjar (<i>Caprimulgus(indicus) jotaka</i>)	July	1,	2
103	Longtailed Nightjar	July	1,	1
	(<i>Caprimulgus macrurus</i>)			
104	Red-headed Trogon	September, December	3, 7,	3
	(<i>Harpactes erythrocephalus</i>)			
105	Ward's Trogon	January, December	12,	2
	(<i>Harpactes wardi</i>)			
106	Eurasian Hoopoe	March-December	1, 2, 3, 7, 9,	17
	(<i>Upupa epops</i>)			
107	Indian Roller	January, July, August, December	10, 9, 1, 4,	10
	(<i>Coracias benghalensis</i>)			
108	Dollarbird	April	20,	1
	(<i>Eurystomus orientalis</i>)			
109	Common Kingfisher	February, August, September, November	7, 1, 3,	10
	(<i>Alcedo atthis</i>)			
110	White-throated Kingfisher (<i>Halcyon smyrnensis</i>)	March, April, July, August, September, October, November, December	3, 7, 11,	17
111	Pied Kingfisher	July	9,	1
	(<i>Ceryle rudis</i>)			

112	Crested Kingfisher (<i>Megaceryle lugubris</i>)	April, August, September, November	2,1, 7,	8
113	Green Bee-eater (<i>Merops orientalis</i>)	January, December	10,	5
114	Chestnut-headed Bee-eater (<i>Merops leschenaulti</i>)	April	11, 10,	2
115	Blue-bearded Bee-eater (<i>Nyctyornis athertoni</i>)	April	15,	1
116	Great Hornbill (<i>Buceros bicornis</i>)	January, March, August, September	10, 20, 7, 11	8
117	Oriental Pied-Hornbill (<i>Anthracoceros albirostris</i>)	December	10,	1
118	Rufous-necked Hornbill (<i>Aceros nipalensis</i>)	December	12, 20, 8, 6, 7, 15,	14
119	Wreathed Hornbill (<i>Rhyticeros undulatus</i>)	April	9,	2
120	Great Barbet (<i>Psilopogon virens</i>)	May, June, July, September, November	7, 3, 15, 9, 12,	9
121	Lineated Barbet (<i>Psilopogon lineatus</i>)	September, December	10,	5
122	Golden-throated Barbet (<i>Psilopogon franklinii</i>)	April, May, July, September, November	2, 12, 15, 17,	3
123	Blue-throated Barbet (<i>Psilopogon asiaticus</i>)	January, April, August, September, October	15, 7, 3, 10, 11,	17
124	Coppersmith Barbet (<i>Megalaima haemacephala</i>)	August	9,	2
125	Yellow-rumped Honeyguide (<i>Indicator xanthonotus</i>)	April, September	13, 15, 17,	3
126	Eurasian Wryneck (<i>Jynx torquilla</i>)	November	3, 7,	2
127	Speckled Piculet (<i>Picumnus innominatus</i>)	November	7, 3,	3
128	White-browed Piculet (<i>Sasia ochracea</i>)	April	15,	1
129	Grey-capped Pygmy Woodpecker (<i>Dendrocopos canicapillus</i>)	July	9,	3
130	Fulvous-breasted Woodpecker (<i>Dendrocopos macei</i>)	April, June	20, 12,	2

131	Rufous-bellied Woodpecker (<i>Dendrocopos hyperythrus</i>)	April, May	1, 3,	4
132	Crimson-breasted Woodpecker (<i>Dendrocopos cathpharius</i>)	April, September	15, 17,	2
133	Darjeeling Woodpecker (<i>Dendrocopos darjellensis</i>)	April	1,	1
134	Lesser Yellownape (<i>Picus chlorolophus</i>)	August, September, October	3, 7, 11,	7
135	Greater Yellownape (<i>Picus flavinucha</i>)	May, June, July, August	3, 8, 9,	3
136	Grey-headed Woodpecker (<i>Picus canus</i>)	January, May, July, September, November	3, 7, 8, 11,	5
137	Rufous Woodpecker (<i>Micropternus brachyurus</i>)	May, September, November	3, 7,	3
138	Greater Flameback (<i>Chrysocolaptes guttacristatus</i>)	July, September	9,	3
139	Bay Woodpecker (<i>Blythipicus pyrrhotis</i>)	April	15,	1
140	Long-tailed Broadbill (<i>Psarisomus dalhousiae</i>)	April, May, September	15, 7,	6
141	Large Woodshrike (<i>Tephrodornis virgatus</i>)	January	10,	1
142	Black-winged Cuckooshrike (<i>Lalage melaschistos</i>)	April, September	3, 7,	5
143	Bar-winged Flycatcher-Shrike (<i>Hemipus picatus</i>)	April, October	3, 20,	6
144	Ashy Woodswallow (<i>Artamus fuscus</i>)	April, August, September	9, 10, 11,	3
145	Common Iora (<i>Aegithina tiphia</i>)	April, June, July	20, 10,	5
146	Grey-chinned Minivet (<i>Pericrocotus solaris</i>)	April	15,	1
147	Scarlet Minivet (<i>Pericrocotus speciosus</i>)	April, June, July, August, September	15, 3, 7, 8, 11, 2, 20,	9
148	Isabelian Shrike (<i>Lanius isabellinus</i>)	January	10,	1
149	Brown Shrike (<i>Lanius cristatus</i>)	September, October	3, 7,	2

150	Long-tailed Shrike	January, July, August, September, October	3, 7, 11, 6,	14
	(<i>Lanius schach</i>)			
151	Grey-backed Shrike	April, May, July, August	1, 4, 17, 2, 1,	7
	(<i>Lanius tephronotus</i>)			
152	Ashy Drongo	February, April, May, June, July, August, September, October	1, 14, 3, 7, 20, 10, 17,	13
	(<i>Dicrurus leucophaeus</i>)			
153	Black Drongo	August	8, 9,	4
	(<i>Dicrurus macrocercus</i>)			
154	Bronzed Drongo	January, April, May, July	15, 3, 10, 9,	6
	(<i>Dicrurus aeneus</i>)			
155	Greater Racket-tailed Drongo (<i>Dicrurus paradiseus</i>)	July	9,	1
156	Lesser-racket tailed Drongo (<i>Dicrurus remifer</i>)	September	7,	1
157	Slender-billed Oriole	January, April, May, June, July, August, September, November	3, 10,	7
	(<i>Oriolus tenuirostris</i>)			
158	Black-hooded Oriole	February, April, September, December	10, 14,	7
	(<i>Oriolus xanthornus</i>)			
159	Maroon Oriole	April, May, June, July, September	3, 1, 7, 17, 20,	9
	(<i>Oriolus traillii</i>)			
160	White-throated Fantail	July, November	3, 7, 8, 12,	7
	(<i>Rhipidura albicollis</i>)			
161	Yellow-bellied Fairy-Fantail (<i>Chelidorhynch hypoxantha</i>)	February, March, November, December	3, 7, 12, 13,	9
162	Eurasian Jay	April, July, December	1, 2, 3,	9
	(<i>Garrulus glandarius</i>)			
163	Yellow-billed Blue-Magpie (<i>Urocissa flavirostris</i>)	May, June, October	1, 2, 17,	8
164	Common Green-Magpie	July	8,	2
	(<i>Cissa chinensis</i>)			
165	Rufous Treepie	July, August, December	9, 10,	9
	(<i>Dendrocitta vagabunda</i>)			
166	Grey Treepie	January – December	3, 7,	12
	(<i>Dendrocitta formosae</i>)			
167	Eurasian Magpie	March, April	13, 12	3
	(<i>Pica pica</i>)			

168	Eurasian Nutcracker	April, May, August, October, December	13, 3, 1, 4, 7,	9
	(<i>Nucifraga caryocatactes</i>)			
169	Red-billed Chough	January, April, September	13, 2, 4,	8
	(<i>Pyrrhonorax pyrrhonorax</i>)			
170	Yellow-billed Chough	May	2, 13,	6
	(<i>Pyrrhonorax graculus</i>)			
171	Northern Raven	September	4,	1
	(<i>Corvus corax</i>)			
172	House Crow	January, July, August	1, 4, 10,	18
	(<i>Corvus splendens</i>)			
173	Large-billed Crow	July, August, September, October	3, 7, 17,	16
	(<i>Corvus macrorhynchos</i>)			
174	Yellow-browed Tit	March, June	1,	3
	(<i>Sylviparus modestus</i>)			
175	Sultan Tit	April, August, September	7, 11, 20,	7
	(<i>Melanochlora sultanea</i>)			
176	Rufous-fronted Tit	March, April, December	13, 15, 1,	3
	(<i>Aegithalos iouschistos</i>)			
177	Great Tit	August, September	9,	2
	(<i>Parus major</i>)			
178	Coal Tit	March, April	13, 1,	2
	(<i>Periparus ater</i>)			
179	Rufous-vented Tit	April	15,	1
	(<i>Periparus rubidiventris</i>)			
180	Grey-crested Tit	March, April	13, 2,	2
	(<i>Parus dichrous</i>)			
181	Green-backed Tit	January– December	12, 1, 2, 3,	15
	(<i>Parus monticolus</i>)			
182	Yellow-cheeked Tit	April	15,	2
	(<i>Machlolophus spilonotus</i>)			
183	Black-throated Tit	April, May, November	7, 3,	7
	(<i>Aegithalos concinnus</i>)			
184	Barn Swallow	April, June	15, 8,	6
	(<i>Hirundo rustica</i>)			
185	Red-rumped Swallow	May, June, July, August, September	3, 10, 19,	18
	(<i>Cecropis daurica</i>)			

186	Nepal House-Martin (<i>Delichon nipalense</i>)	April, July	15, 12,	2
187	Sand Martin (<i>Riparia riparia</i>)	September	9,	2
188	Oriental Skylark (<i>Alauda gulgula</i>)	February	7,	1
189	Striated Bulbul (<i>Pycnonotus striatus</i>)	April, June	6, 1,	5
190	Black-crested Bulbul (<i>Pycnonotus flaviventris</i>)	May, August, November	7, 11, 20,	611
191	Red-vented Bulbul (<i>Pycnonotus cafer</i>)	January-December	9, 3, 7,	15
192	Himalayan Bulbul (<i>Pycnonotus leucogenys</i>)	April	18, 15,	12
193	White-throated Bulbul (<i>Alophoixus flaveolus</i>)	April	11,	8
194	Black Bulbul (<i>Hypsipetes leucocephalus</i>)	January- December	1,2,3, 7, 11,	16
195	Ashy Bulbul (<i>Hemixos flava</i>)	April, June	15, 12,	9
196	Mountain Bulbul (<i>Ixos mcclllandii</i>)	April, September, November	3, 7, 8, 15,	17
197	Striated Prinia (<i>Prinia crinigera</i>)	April, July, August, September,	12, 3, 7, 15,	15
198	Black-throated Prinia (<i>Prinia atrogularis</i>)	June	12,	2
199	Common Tailorbird (<i>Orthotomus sutorius</i>)	July, September	12, 7, 8, 9	15
200	Chestnut-crowned Bush-Warbler (<i>Cettia major</i>)	June, September	3, 7,	3
201	Grey-sided Bush-Warbler (<i>Cettia brunnifrons</i>)	August	4,	7
202	Brownish-flanked Bush-Warbler (<i>Horornis fortipes</i>)	April	15,	1
203	Tickell's Leaf Warbler (<i>Phylloscopus affinis</i>)	April, September, October	2, 13,	11
204	Buff-barred Warbler (<i>Phylloscopus pulcher</i>)	April	2,	3

205	Aberrant Bush Warbler	September	7,	3
	(<i>Cettia flavolivacea</i>)			
206	Ashy-throated Warbler (<i>Phylloscopus maculipennis</i>)	April	15, 1,	4
207	Greenish Warbler	May	1, 2,	6
	(<i>Phylloscopus trochiloides</i>)			
208	Grey-hooded Warbler (<i>Phylloscopus xanthoschistos</i>)	March, May, September, November	3, 7, 17,	19
209	Large-billed Leaf warbler (<i>Phylloscopus magnirostris</i>)	April, August	9,	5
210	Lemon-rumped Warbler (<i>Phylloscopus chloronotus</i>)	March, November, December	13, 3,	11
211	Blyth's Shrike-Babbler (<i>Pteruthius aeralatus</i>)	April, September, November	20, 3, 7,	7
212	Green Shrike-Babbler (<i>Pteruthius xanthochlorus</i>)	April, December	1,	2
213	Black-eared Shrike-Babbler (<i>Pteruthius melanotis</i>)	April	15,	1
214	Rufous-capped Babbler (<i>Cyanoderma ruficeps</i>)	April	15,	1
215	Coral-billed Scimitar-Babbler (<i>Pomatorhinus ferruginosus</i>)	March	20,	1
216	Slender-billed Scimitar-Babbler (<i>Pomatorhinus supercilialis</i>)	October	7,	1
217	Streak-breasted Scimitar-Babbler (<i>Pomatorhinus ruficollis</i>)	March, April, November	13, 3, 12,	8
218	Rusty-cheeked Scimitar Babbler (<i>Pomatorhinus erythrogegens</i>)	January, April, August, September, October, November	3, 7, 15,	18
219	Jungle Babbler	January, July, August, December	9, 10,	12
	(<i>Turdoides striata</i>)			
220	Striated Laughingthrush (<i>Garrulax striata</i>)	July	3,	12
221	White-crested Laughingthrush (<i>Garrulax leucolophus</i>)	April, June, July, August, September	15, 8, 7,	22
222	Rufous-chinned Laughingthrush (<i>Ianthocincla rufogularis</i>)	April, June, September	7, 12, 15,	11
223	Spotted Laughingthrush (<i>Ianthocincla ocellata</i>)	May	2, 13, 1,	7
224	White-throated Laughingthrush (<i>Ianthocincla albogularis</i>)	April, May, July, September, October	2, 3, 7, 8, 1,	23

225	Rufous-necked Laughingthrush (<i>Ianthocincla ruficollis</i>)	January, April, August	10, 11, 15,	7
226	Grey-sided Laughingthrush (<i>Garrulax caerulata</i>)	May, June, July	1, 8, 15,	6
227	Bhutan Laughingthrush (<i>Trochalopteron imbricatum</i>)	March, April, June, July, August, September	4, 6, 7, 12, 15,	23
228	Black-faced Laughingthrush (<i>Trochalopteron affine</i>)	February, March, April, May, September	13, 2, 1,	14
229	Chestnut-crowned Laughingthrush (<i>Trochalopteron erythrocephalum</i>)	March, June, August, November, December	1, 3, 4,	22
230	Rusty-fronted Barwing (<i>Actinodura egertoni</i>)	April, November	3, 12, 20,	9
231	Red-faced Liocichla (<i>Liocichla phoenicea</i>)	July	8,	2
232	Bar-throated Siva (<i>Siva strigula</i>)	January, February, April, May, July, September, November	1, 2, 3, 11, 15,	15
233	Himalayan Cutia (<i>Cutia nipalensis</i>)	April, May	15, 20,	2
234	Silver-eared Mesia (<i>Leiothrix argenteauris</i>)	July	8,	3
235	Red-billed Leiothrix (<i>Leiothrix lutea</i>)	May, June, July, September, November	1, 3, 12,	6
236	Red-tailed Minla (<i>Minla ignotincta</i>)	June, November	1, 3,	4
237	Blue-winged Siva (<i>Actinodura cyanouroptera</i>)	April, June, July	11, 3, 8,	8
238	White-browed Fulvetta (<i>Fulvetta vinipectus</i>)	May, December	1, 2, 5,	13
239	Yellow-throated Fulvetta (<i>Schoeniparus cinereus</i>)	May	15,	2
240	Rufous-winged Fulvetta (<i>Schoeniparus castaneiceps</i>)	April	1,	3
241	Nepal Fulvetta (<i>Alcippe nipalensis</i>)	April	15,	6
242	Rufous Sibia (<i>Heterophasia capistrata</i>)	April, June, September, October, November, December	1,2,3, 7, 8,	21

243	Long-tailed Sibia	April	20,	1
	(<i>Heterophasia picaoides</i>)			
244	Striated Yuhina	April, August	11, 15,	5
	(<i>Yuhina castaniceps</i>)			
245	Whiskered Yuhina	January, April, June, December	7, 11, 12, 13,	13
	(<i>Yuhina flavicollis</i>)			
246	Stripe-throated Yuhina	February, March, July	20, 13, 3,	4
	(<i>Yuhina gularis</i>)			
247	Rufous-vented Yuhina	April, May	15, 1,	3
	(<i>Yuhina occipitalis</i>)			
248	Black-chinned Yuhina	April, November	15, 3,	4
	(<i>Yuhina nigrimenta</i>)			
249	White-bellied Erpornis	June	8,	1
	(<i>Erpornis zantholeuca</i>)			
250	Brown Parrotbill	May, June, August, October	1, 13,	5
	(<i>Cholornis unicolor</i>)			
251	Black-throated Parrotbill (<i>Paradoxornis fulvifrons</i>)	April	15,	1
252	Fire-tailed Myzornis	September	11,	2
	(<i>Myzornis pyrrhoura</i>)			
253	Oriental White-eye	March, April, July, August, September, October	1, 2, 3, 7, 8, 12, 13,	15
	(<i>Zosterops palpebrosus</i>)			
254	Eurasian Wren	January, April, May, December	1, 2, 4, 13,	6
	(<i>Troglodytes troglodytes</i>)			
255	White-throated Dipper	April, June	2, 4, 13,	3
	(<i>Cinclus cinclus</i>)			
256	Brown Dipper	September, October, December	1, 2, 3, 7,	7
	(<i>Cinclus pallasi</i>)			
257	White-tailed Nuthatch	April, June, July	1,3, 12,	4
	(<i>Sitta himalayensis</i>)			
258	Chestnut-bellied Nuthatch	February, April, August, December	3,	5
	(<i>Sitta cinnamoventris</i>)			
259	Beautiful Nuthatch	April	20,	1
	(<i>Sitta formosa</i>)			
260	Wallcreeper	December	1, 3,	5
	(<i>Tichodroma muraria</i>)			

261	Hodgson's Treecreeper (<i>Certhia hodgsoni</i>)	April	2,	8
262	Rusty-flanked Treecreeper (<i>Certhia nipalensis</i>)	November	1, 3,	12
263	Common Myna (<i>Acridotheres tristis</i>)	January-December	3, 7, 19,	11
264	Asian pied starling (<i>Gracupica contra</i>)	January, May, December	10, 6,	16
265	Great Myna (<i>Acridotheres grandis</i>)	March	12,	9
266	Hill Myna (<i>Gracula religiosa</i>)	March, July	9, 20,	2
267	Jungle Myna (<i>Acridotheres fuscus</i>)	February, September	10, 14,	4
268	Chestnut-tailed Starling (<i>Sturnia malabarica</i>)	January, March, April, June, December	3, 7, 10, 11, 12,	8
269	Brahminy starling (<i>Sturnia pagodarum</i>)	June	3,	1
270	Common Starling (<i>Sturnus vulgaris</i>)	November	7,	1
271	Plain-backed Thrush (<i>Zoothera mollissima</i>)	December	1,	2
272	Scaly Thrush (<i>Zoothera dauma</i>)	November	3,	2
273	Long-tailed Thrush (<i>Zoothera dixonii</i>)	February, July, August	1, 4,	7
274	Orange-headed Thrush (<i>Zoothera citrina</i>)	July	9,	1
275	Kessler's Thrush (<i>Turdus kessleri</i>)	March	4,	1
276	Forest Thrush (<i>Turdus lherminieri</i>)	March	11,	1
277	Blue Whistling Thrush (<i>Myophonus caeruleus</i>)	January, July, October, December	1, 3, 6, 8,	19
278	Tickell's Thrush (<i>Turdus unicolor</i>)	March, July, August	3, 6, 8,	3

279	Grey-winged Blackbird (<i>Turdus bouboul</i>)	March, April, July	1, 6, 8, 11,	7
280	White-collared Blackbird (<i>Turdus albocinctus</i>)	January, July	4, 1, 2, 13,	6
281	Rufous-breasted bush robin (<i>Tarsiger hyperythrus</i>)	February, March	3, 12,	3
282	Indian Robin (<i>Copsychus fulicatus</i>)	June	1,	1
283	Oriental Magpie-Robin (<i>Copsychus saularis</i>)	February, May, July, August, September, October, November	3, 7, 10, 12,	10
284	Himalayan bluetail (<i>Tarsiger rufilatus</i>)	February, May,	1, 2, 3,	4
285	Blue-fronted Redstart (<i>Phoenicurus erthrogastus</i>)	January, February, March, April, May, June	1, 2, 3, 11, 13,	18
286	Plumbous Water Redstart(<i>Rhyacornis fuliginosus</i>)	May, July, September, October	13, 1, 2, 3, 7, 9, 12,	16
287	White-throated Redstart (<i>Phoenicurus schisticeps</i>)	March	13,	1
288	Hodgson's redstart (<i>Phoenicurus hodgsoni</i>)	January, October, November, December	2, 3, 7, 11,	17
289	White-capped water Redstart (<i>Chaimarrornis leucocephalus</i>)	January, October, November, December	3, 4, 13, 17,	20
290	Little Forktail (<i>Enicurus scouleri</i>)	May	2,	1
291	Spotted Forktail (<i>Enicurus maculatus</i>)	June, November	1, 3,	3
292	Grandala (<i>Grandala coelicolor</i>)	May, June, September	2, 12,	3
293	Common Stonechat (<i>Saxicola torquatus</i>)	April, September, October, November	3, 7, 11,	16
294	Grey Bushchat (<i>Saxicola ferreus</i>)	March, April, Amy, June, July, September, November, December	17, 3, 1, 7, 12, 11,	20
295	Chestnut-bellied Rock Thrush (<i>Monticola rufiventris</i>)	January, April, September, November	3, 11, 15, 17,	13
296	Blue-capped Rockthrush (<i>Montiola cinclorhynchus</i>)	May, June, July, August	3, 12,	12

297	Blue-rock Thrush (<i>Monticola solitarius</i>)	April, September	3, 7,	3
298	Rufous-gorgetted Flycatcher (<i>Ficedula strophciata</i>)	April, May, August, November	1, 3, 15,	11
299	White-gorgeted Flycatcher (<i>Anthipes monileger</i>)	February	3,	1
300	Asian Brown flycatcher (<i>Muscicapa dauurica</i>)	August, November	7, 9, 10,	3
301	Blue-throated Flycatcher (<i>Cyornis rubeculoides</i>)	April, September	10, 15,	2
302	Verditer Flycatcher (<i>Eumyias thalassinus</i>)	January, March, April, May, July, September	1, 3, 7, 11., 12, 17,	18
303	Grey-headed Canary-Flycatcher (<i>Culicicapa ceylonensis</i>)	March, April, August, September, November	3, 7, 12, 17,	7
304	Little-pied Flycatcher (<i>Ficedula westermanni</i>)	April	12,	1
305	Dark-sided Flycatcher (<i>Muscicapa sibirica</i>)	April, May	1, 15,	2
306	Ferruginous Flycatcher (<i>Muscicapa ferruginea</i>)	July	12,	1
307	Large Niltava (<i>Niltava grandis</i>)	July	12,	1
308	Small Niltava (<i>Niltava macgrigoriae</i>)	January, April, July, November, December	3, 6, 8, 12, 20,	7
309	Rufous-bellied Niltava (<i>Niltava sundara</i>)	June, July, September	1, 3, 7,	3
310	Golden-fronted Leafbird (<i>Chloropsis aurifrons</i>)	January, September, December	9, 10,	3
311	Orange-billed Leafbird (<i>Chloropsis hardwickii</i>)	January, April, August, September, November	1, 3, 7, 11,	13
312	Fire-breasted Flowerpecker (<i>Dicaeum ignipectus</i>)	November	3,	1
313	Mrs Gould's Sunbird (<i>Aethopyga gouldiae</i>)	April, September	15, 1, 7,	4
314	Green-tailed Sunbird (<i>Aethopyga nipalensis</i>)	April, July, November, December	13, 3, 1, 17, 15,	17
315	Fire-tailed Sunbird (<i>Aethopyga ignicauda</i>)	May	15, 1, 2, 17,	6

316	Crimson Sunbird	April, August	11, 12, 15,	3
	(<i>Aethopyga siparaja</i>)			
317	Black-throated Sunbird (<i>Aethopyga saturata</i>)	April, May, July, November	7, 12, 15, 17,	5
318	Streaked Spiderhunter (<i>Arachnothera magna</i>)	January, May, December	10, 15,	3
319	Russet sparrow	January-December	2, 3, 7,	18
	(<i>Passer rutilans</i>)			
320	Eurasian Tree sparrow	January-December	3, 13,	10
	(<i>Passer montanus</i>)			
321	Baya Weaver	July	10,	1
	(<i>Ploceus philippinus</i>)			
322	Scally-breasted Munia	January, April, May, June, August, September, November	3, 7, 12,	21
	(<i>Lonchura punctulata</i>)			
323	White-rumped Munia	July	9, 12,	4
	(<i>Lonchura striata</i>)			
324	Maroon-backed Accentor	October	16,	2
	(<i>Prunella immaculata</i>)			
325	Robin Accentor	April	1,	6
	(<i>Prunella rubeculoides</i>)			
326	Alpine Accentor	February, June, December	13, 12, 2,	4
	(<i>Prunella collaris</i>)			
327	Rufous-breasted Accentor (<i>Prunella strophciata</i>)	January, May, July, August, October, November, December	1, 2, 3, 4, 6, 13,	15
328	White-browed wagtail	September, November	3, 7, 11,	9
	(<i>Motacilla maderaspatensis</i>)			
329	White Wagtail	April, June, July, August, September, October, December.	1, 2, 3, 4, 7, 19,	17
	(<i>Motacilla alba</i>)			
330	Citrine Wagtail	April, September	3, 4, 7, 17,	4
	(<i>Motacilla citreola</i>)			
331	Grey wagtail	May, August, September, December	1, 3, 4, 7	8
	(<i>Motacilla cinerea</i>)			
332	Olive-backed pipit	May, September, October, November	1, 3, 17,	16
	(<i>Anthus hodgsoni</i>)			

333	Paddyfield Pipit (<i>Anthus rufulus</i>)	August, September	3, 7,	13
334	Richard's Pipit (<i>Anthus richardi</i>)	January, August, September	3, 9,	3
335	Rosy Pipit (<i>Anthus roseatus</i>)	May, July	1, 4,	2
336	Yellow-breasted Greenfinch (<i>Carduelis spinoides</i>)	April, June, July, September, October	13, 7, 3, 2, 17,	8
337	Tibetan Siskin (<i>Serinus thibetanus</i>)	July	4,	1
338	Common Rosefinch (<i>Carpodacus erythrinus</i>)	April, September	7, 15,	2
339	Beautiful Rosefinch (<i>Carpodacus pulcherrimus</i>)	April	15,	1
340	Dark-rumped Rosefinch (<i>Carpodacus edwardsii</i>)	January	2,	1
341	Dark-breasted Rosefinch (<i>Carpodacus nipalensis</i>)	April	15,	1
342	Red-fronted Rosefinch (<i>Carpodacus puniceus</i>)	May	12,	1
343	Scarlet Finch (<i>Haematospiza sipahi</i>)	April	20,	1
344	Plain Mountain Finch (<i>Leucosticte nemoricola</i>)	January, March, April	1, 2, 7, 13,	7
345	Red-headed Bullfinch (<i>Pyrrhula erythrocephala</i>)	August, December	1, 4,	3
346	Red Crossbill (<i>Loxia curvirostra</i>)	January	7,	1
347	Spot-winged Grosbeak (<i>Mycerobas melanozanthos</i>)	January, April, June	1, 2, 3, 11,	5
348	White-winged Grosbeak (<i>Mycerobas carnipes</i>)	April, May	2,	3
349	Collared Grosbeak (<i>Mycerobas affinis</i>)	April, May	4,	1
350	Golden-naped Finch (<i>Pyrrhoplectes epauletta</i>)	April, May	13, 15,	3
351	Crested bunting (<i>Melophus lathamii</i>)	March, April, June, August, November	3, 11, 12, 18,	9

About the author



Tshering Tobgay teaches Environmental Science and other science subjects in Bajothang Higher Secondary School. He has a MSc. in Environmental Science from

Noida International University, India. Since 2013, he has been an avid bird watcher and conducts research related to birds. He authored the Environmental Science Textbooks for class IX to XII.