Significant recent ornithological records from Manipur, north-east India, with an annotated checklist

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The state of Manipur in India, a part of the Eastern Himalaya Endemic Bird Area, is a poorly known area for birds. The findings of a recent study are documented here. Noteworthy records include some globally threatened and near-threatened species such as Blyth's Tragopan *Tragopan blythii*, Green Peafowl *Pavo muticus*, Rufous-necked Hornbill *Aceros nipalensis* and Mrs Hume's Pheasant *Syrmaticus humiae*. Five species were recorded for the first time: Brown Hornbill *Anorrhinus tickelli*, Blue Rock Thrush *Monticola solitarius*, Little Forktail *Enicurus scouleri*, Baya Weaver *Ploceus philippinus* and Common Rosefinch *Carpodacus erythrinus*. An annotated checklist of all the birds (607 species) recorded so far is also presented. Some important observations are presented in greater detail. Conservation problems are discussed briefly and recommendations are made for protection of habitat and birds.

INTRODUCTION

The state of Manipur $(23^{\circ}49'-25^{\circ}42'N 93^{\circ}00'-94^{\circ}45'E)$ is located in north-east India (Fig. 1). Manipur falls in the Indo-Burma global biodiversity hotspot (Myers *et al.* 2000, Mittermeier *et al.* 2004) and the Eastern Himalaya Endemic Bird Area (Stattersfield *et al.* 1998). It covers an area of 22,327 km² and is divided into nine districts. Physiographically, almost all of Manipur is hilly and mountainous with a broad valley at the centre. Loktak, the largest freshwater lake (185 km²) in north-east India, lies in the south of the valley. Mt Tenipu or Iso (2,995 m) on the Barail Range is the highest peak in Manipur. The lowest elevation, <50 m, is at the confluence of the Barak and Jiri rivers near the Assam border.

The climate of Manipur is tropical 'monsoon' type with a hot wet summer and a cool dry winter, although winter rains are not uncommon. The annual rainfall of the state varies from about 1,500 to more than 4,000 mm. The annual temperature generally ranges from $<2^{\circ}$ to 35° in summer.

Tropical wet evergreen and semi-evergreen forests occur in patches in the lower and middle elevations throughout, except in the central valley plains. In the higher hills, subtropical broadleaf (evergreen) forest occurs with small areas of conifers in the eastern areas. Temperate broadleaf forest is found higher up in Mt Tenipu. Owing to logging and *jhum* (slash-and-burn shifting cultivation), large areas have been replaced with bamboo, especially in older abandoned *jhums*. The only grassland of significance is found in Keibul Lamjao National Park. These grasslands are on floating mats of vegetation, locally called *phumdi*, composed of decaying vegetation.

The existing protected area network covers only 757.6 km² or c. 3.4 % of Manipur. The protected areas are Keibul Lamjao National Park (40 km²), Shiroi Hill National Park (41 km²), Bunning Wildlife Sanctuary (115.8 km²), Jiri-Makru Wildlife Sanctuary (198 km²), Kailam Wildlife Sanctuary (157.8 km²), Yangoupokpi Lokchao Wildlife Sanctuary (184 km²) and Zeilad Wildlife Sanctuary (21 km²).

Owing to its relative remoteness and also insurgency (still a major problem), fewer ornithological studies have been undertaken in Manipur in recent decades than in other neighbouring states such as Assam and Nagaland. The first naturalist to carry ornithological surveys in Manipur was A. O. Hume in the 1880s. The few published works on the state's birds include Hume (1888), Higgins (1913a,b, 1916, 1933–1934), Godwin-Austen (1874a, 1874b, 1882), Gimson (1934), and more recently Choudhury (1989, 1992, 1996, 1998a, 1998b, 2002a, 2005a). General information on birds is available in Ali and Ripley (1987) and on Important Bird Areas in Islam and Rahmani (2004).

The state has a rich avifauna as is evident from the checklist provided in the Appendix (607 species, including three each of Critically Endangered and Endangered species, and 17 each of Vulnerable and Near Threatened species).

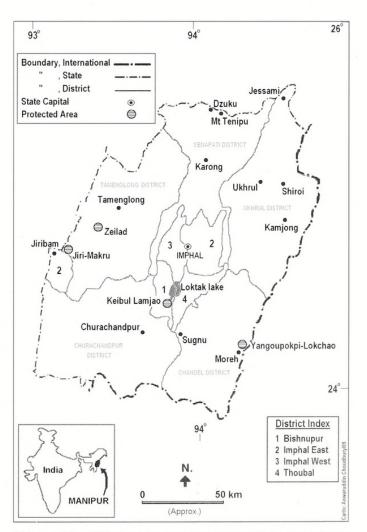


Figure 1. Map of Manipur showing some of the main places mentioned in the text, including districts.

METHODS

I surveyed birds using direct observations (with 10×40 binoculars and a 10×46 telescope), noting calls (for some species only) and by interviewing local forest staff, villagers and hunters. Direct observations were made on foot along existing and newly cut paths, and from vehicles along roads and tracks (particularly to spot birds kept as pets, and preserved specimens such as hornbill casques and feathers which are often displayed outside huts). I carried out sporadic fieldwork in Manipur during 1988-2001 totalling 48 days. This included fieldwork in parts of Imphal East and West, Bishnupur (Bishenpur) and Churachandpur districts in April 1988, and Jiribam subdivision of Imphal East district in July 1989. In January 1996 I again visited parts of Imphal East and West and Bishnupur districts, besides covering Ukhrul, Senapati, Tamenglong, and Thoubal districts, and I surveyed Loktak lake, Keibul Lamjao National Park, Jiri-Makru Wildlife Sanctuary and Shiroi Hill (proposed at that time) National Park. In January 2001 I covered parts of the

Table 1. Details of sites mentioned in the text.

Site (district)	Coordinates	Altitude (m)
Churachandpur (Churachandpur)	24°19′N 93°39′E	800-900
Dzuko (Senapati)	25°34′N 94°02′E	2,400
Imphal (Imphal East and West)	24°48′N 93°57′E	790
Jessami (Ukhrul)	25°36'N 94°32'E	1,100
Jiribam town (Imphal East)	24°48′N 93°07′E	50
Jiri-Makru Wildlife Sanctuary (Tamenglong, Imphal East)	24°55′N 93°15′E	80-500
Kaikao (Tamenglong)	24°51′N 93°27′E	1,000
Karong (Senapati)	25°18'N 94°03'E	1,050
Keibul Lamjao National Park (Bishnupur)	24°25′N 93°50′E	765
Loktak lake (Bishnupur)	24°25′–42′N 93°46′–55′E	765
Lunghar (Ukhrul)	25°12'N 94°26'E	1,800
Moreh (Chandel)	24°14'N 94°18'E	200
Nongbi (Ukhrul)	25°14'N 94°27'E	1,800
Nungba (Tamenglong)	24°45′N 93°25′E	750
Shiroi ridge (Ukhrul)	25°06'N 94°28'E	2,500
Shiroi village (Ukhrul)	25°08'N 94°25'E	1,900
Sugnu (Chandel)	24°18'N 93°54'E	760
Tenipu (Senapati)	25°33′N 94°04′E	2,995
Yangoupokpi Lokchao Wildlife Sanctuary (Chandel, Ukhrul)	24°15'N 94°18'E	200-750
Zeilad lake (Tamenglong)	24°54′N 93°23′E	200

districts of Bishnupur, Chandel, Churachandpur, Imphal East and West, Senapati, Tamenglong, Thoubal and Ukhrul, and surveyed Yangoupokpi Lokchao and Zeilad Wildlife Sanctuaries. Parts of Ukhrul district were again covered in October 2001 and February 2002. This included c.60 km of foot transect along paths and streams, c.30 km of boat transects along the canals through *phumdi* on Loktak lake, and c.2,100 km of road transect. Localities are detailed in Table 1.

SIGNIFICANT RECORDS

Details are provided for the more interesting and significant records, including rare species, regional rarities, new records and threatened (five) and Near Threatened (four) species. Records of galliformes and large raptors are included, given the high hunting pressures on these species in the region. The Red List status follows BirdLife International (2007), which is also followed by IUCN, and restricted-range status follows Stattersfield *et al.* (1998). An annotated checklist is in the Appendix.

CHINESE FRANCOLIN Francolinus pintadeanus

The only population of this species in India is found in Manipur (Ali and Ripley 1987, Grimmett *et al.* 1998). It was known from the south-eastern corner, i.e., Chandel district only (Ali and Ripley 1987). However, 2–3 birds were captured in Churachandpur district in south Manipur and were on sale in the local market at Churachandpur town in 1999–2000 (Samir Khan, verbally; photos seen by me). This has marginally extended its range to the west.

JAPANESE QUAIL Coturnix japonica

This species has been recorded as a winter visitor to Assam and Bhutan, but its occurrence was doubted in Manipur (Grimmett et al. 1998). Ali and Ripley (1987) mentioned its presence but commented that these were intergrades between Japanese and Common Quail C. coturnix. Higgins (1933–1934) had reported a record in 1899. Two birds were captured by local villagers and photographed in Manipur Valley from near Imphal in November 2001 (I identified them). In 2003, a few (at least four) were captured and photographed in winter from different parts of the valley whose precise locations were not recorded by the photographer (Samir Khan, verbally; photos seen by me). Since it is very similar to Common Quail in almost all morphological characters, absence of black on the chin of the male birds was taken as the main diagnostic trait. The presence of faint rufous on head and throat was useful to separate the male birds but this does not eliminate Common Quail as in rare cases males may also have a similar coloration.

MOUNTAIN BAMBOO PARTRIDGE Bambusicola fytchii

I observed coveys of 5–6 birds at four places en route to Zeilad lake from Kaikao village in Tamenglong district on 23 January 2001. The birds were near bamboo brakes. At least two coveys of similar size were also observed near Jessami in Ukhrul district on 23 October 2001 and in February 2002. The birds were crossing a road with grass on both sides. Bamboo partridges snared or shot in northern areas of Senapati district are occasionally sold at Kohima market in Nagaland.

BLYTH'S TRAGOPAN Tragopan blythii

Vulnerable. Restricted-range. I examined feathers of several birds and three stuffed birds in Shiroi and around Jessami in Ukhrul district and Tenipu-Dzuko areas in Senapati district. I also examined the photograph of a live male captured at Shiroi. However, increased awareness has resulted in a reduction in the killing/capture of tragopans. Past records from other sites were Maram (25°25′N 94°06′E) in Senapati district and 'Kanpru' or 'Kaupru' in Tamenglong district (BirdLife International 2001).

KALIJ PHEASANT Lophura leucomelanos

I recorded many sightings (more than ten) of this species in Tamenglong and Ukhrul districts, while feathers of snared or killed birds were seen in all hill districts. This species, Red Junglefowl *Gallus gallus* and Mountain Bamboo Partridge are the most widely snared galliforms in the state.

MRS HUME'S PHEASANT Symmaticus humiae

Near Threatened. The species is known from Ukhrul and Churachandpur districts (Choudhury 1989). A pair was brought from Kamjong area (24°52'N 94°31'E) of Ukhrul district to Imphal Zoo in the 1980s (I saw them in April 1988). A recent survey showed that this species is still widely distributed in the hills of north-eastern Manipur in Ukhrul district and in the northern part of Senapati district. In the Jessami area of Ukhrul district, a few are snared every winter. Elsewhere, in Chandel and Churachandpur districts, it is very rare or sparsely distributed (Choudhury 2002a, 2005a). In Tamenglong district villagers reported that it does not occur along the Barak river, corroborating Higgins (1933-1934) who noted that it occurred only up to the valley of the Irang river, a tributary of the Barak. It is the State Bird of Manipur.

GREEN PEAFOWL Pavo muticus

Vulnerable. Now extremely rare in Ukhrul and Chandel districts along the India-Myanmar border (Choudhury 2005b). All villagers and Forest Department staff interviewed by me (more than 70) in these two districts appeared to be familiar with the species. Many had also snared or shot it in the 1970s, 1980s and very rarely 1990s. As reported by them it is still occasionally seen in Yangoupokpi-Lokchao Sanctuary. Three were seen in the sanctuary near Moreh in 1977 (H. Lalgou Gangte, Head Forest Guard, verbally). A 'locally' caught bird (from somewhere near the India-Myanmar border) was seen by me in 1988 at Imphal. In the early 1990s a few eggs obtained from the wild were hatched in Kongkan village (24°50'N 94°33'E) in Ukhrul district; and a few were also caught from the wild (Mr Aleng, Magistrate at Ukhrul, verbally). One of the locally hatched birds was also seen by me at Imphal. One peafowl was seen by bus travellers on the main road between Imphal and Moreh at km 7 from Moreh in Yangoipokpi-Lokchao Sanctuary in 1987 (Shokholun Baite, Government staff, verbally). During my last visit in January 2001, the headman of Gojajang village (at the edge of the sanctuary) reported that there are occasional visitors from Myanmar to Yangoupokpi-Lokchao Sanctuary of Manipur. A visit to the local market at Tamu in Myanmar, just across the international border, indicated that a male was sold in late 2000 (feathers examined by

me) and every year a few are brought to the market from the forests of north (adjacent to Yangoupokpi-Lokchao Sanctuary of Manipur).

MANDARIN DUCK Aix galericulata

The only recent record of the species in Manipur as well as north-east India was a duck caught at Sugnu in Chandel district towards the south-eastern corner of Loktak lake some time in 1997. I observed and photographed the bird in captivity in Imphal zoological gardens in January 2001.

FERRUGINOUS POCHARD Aythya nyroca

Near Threatened. During the midwinter waterfowl census on 16–17 January 1996 I counted 25 individuals in c.25% of Loktak lake. I trained the other team members in field identification of this duck for subsequent monitoring, as Loktak is a known wintering site. The result was 360 counted in January 1998 (Choudhury 1998a) followed by 722 in 1999 and 1,095 in 2000.

GREAT HORNBILL Buceros bicornis

Near Threatened. Preserved casques were seen in Ukhrul (Nongbi area), Churachandpur, Moreh and Imphal. It is now extremely rare mostly due to persecution for food as well as feathers (primaries and tail), which are in great demand for use in traditional headgear. Habitat loss, especially of mature forest, is also a major factor. These issues are common to all hornbills.

BROWN HORNBILL Anorrhinus tickelli

Near Threatened. A bird was shot in 1995 in Shiroi area in Ukhrul district at around 1,900 m elevation. I examined the casque and feathers at Shiroi village. This is a first record for Manipur and a new elevation record, previously only recorded to 1,000 m (Grimmett *et al.* 1998, Rasmussen and Anderton 2005).

RUFOUS-NECKED HORNBILL Aceros nipalensis

Vulnerable. Past records are from Karong in Senapati district and Nungba in Tamenglong district, from 1950 and earlier, apparently with none subsequently (BirdLife International 2001). Four birds were shot in late 1995 in the forests between Shiroi and Lunghar in Ukhrul district at around 2,000 m elevation; I examined the casque and feathers of these birds in January 1996.

WREATHED HORNBILL Rhyticeros undulatus

My only sighting was four birds in flight near the Assam– Manipur border (the bordering districts are Cachar in Assam and Jiribam subdivision of Imphal East district of Manipur) (approx. 24°40'N 93°05'E) on 14 January 2004.

ORIENTAL PIED HORNBILL Anthracoceros malabaricus

Preserved casques and feathers of this species were seen in most of the villages surveyed. Calls were heard and flocks of 5–6 birds were also seen in Yangoipokpi-Lokchao and Zeilad Sanctuaries in January 2001, and 3–4 in Jiri-Makru Sanctuary on 20 January 1996.

BLACK-CAPPED KINGFISHER Halcyon pileata

A straggler to Assam and north-east India (Ali and Ripley 1987, Choudhury 2000). The only bird seen by me in Manipur was perched in a leafless medium-height tree near Zeilad lake in Tamenglong district on 24 January 2001.

A bird was seen on the outskirts of Imphal city on 15 January 2001. The species with which it could be confused is Crested Goshawk *Accipiter trivirgatus* but the relatively longer and erect crest with white tip and, in flight, shorter tail with narrower dark barrings were diagnostic. It also lacked the bold streaks on breast. Its head was pale rufous.

WHITE-RUMPED VULTURE Gyps bengalensis

Critically Endangered. No recent records. My last confirmed sighting was of 8+ in flight along with a few Slender-billed Vultures *G. tenuirostris* in Jiribam subdivision of Imphal East district near the Assam– Manipur border in July 1989. I did not bother to count exactly their number as they were then common all over Assam.

SLENDER-BILLED VULTURE Gyps tenuirostris

Critically Endangered. No recent records. My last confirmed sighting was in July 1989 (see above).

STEPPE EAGLE Aquila nipalensis

An immature eagle was captured by a local villager near Loktak lake in the winter of 1999–2000 in Bishnupur district. Several close-up photos were taken and sent to me for identification. It was a large bird with a white band on the underwing formed by broad white tips to the greater and primary coverts. Double white bars on the closed upper wings were conspicuous as was the white crescent across the uppertail-coverts.

BOOTED EAGLE Hieraaetus pennatus

A dark-phase bird was observed near Imphal University at about 765 m on 27 January 2001. It was circling above a harvested paddyfield. Initially I thought it to be a Black Kite *Milvus migrans*, but its slightly smaller size, almost square-cut tail, light 'V' patch on the upperparts and wings (visible when the bird banked) and small white shoulder-patches helped confirm its identification. The eagle was repeatedly observed on several occasions that morning and on 28 January 2001. Prior to that, I had observed one between Lambui and Litan in Ukhrul district (c.45 km from Imphal) on 18 January 1996 (Choudhury 2000). These are the only records for the state.

AMUR FALCON Falco amurensis

Local people reported that hundreds of individuals of this species were killed and often sold in local markets of Tamenglong district in November every year. During a visit in January 2001, I saw photographs of a few birds being sold in the local market. Then I observed more than 20 birds both in flight and perched on powerlines at the border between Jessami (Manipur) and Meluri (Nagaland; 25°38'N 94°36'E) at about 800 m on 23 October 2001 (Choudhury 2003). The birds flew over the territory of both Nagaland and Manipur, while the perched birds were all in Manipur.

BLUE ROCK THRUSH Monticola solitarius

A common wintering species across much of north-east India (Ali & Ripley 1987). The maps in Grimmett *et al.* (1998) and Kazmierczak and van Perlo (2000) do not show its distribution in Manipur. Single birds were seen on at least 12 occasions between Jiribam and Imphal on 14 and 20 January 1996.

LITTLE FORKTAIL Enicurus scouleri

Single birds seen three times between Imphal and Jiribam on 20 January 1996. Although a common resident in different parts of north-east India (Ali & Ripley 1987), it is not shown on the maps in Grimmett *et al.* (1998) and Kazmierczak and van Perlo (2000) as occurring in Manipur.

PIED BUSHCHAT Saxicola caprata

A rare bird in north-east India. I observed a male in a harvested paddyfield near Imphal University on 15 January 2001, and saw it almost every day until I left the campus on 28 January.

WALLCREEPER Tichodroma muraria

I saw a lone bird on a barren cliff by the side of National Highway 53 at c.40 km west of Imphal between Keithelambi and Tupul in Senapati district (24°47′N 93°42′E) at c.1,100 m elevation.

BAYA WEAVER Ploceus philippinus

A common and widespread species in the plains Assam (Ali and Ripley 1987, Choudhury 2000). The maps in Grimmett *et al.* (1998) and Kazmierczak and van Perlo (2000) do not show its distribution in the state. Although not seen in the Manipur valley, nests were seen in *Areca catechu* trees in Jiribam area in July 1989. In the adjacent Cachar plains of Assam, it is common in the countryside although the map in Grimmett *et al.* (1998) excludes that area as well.

COMMON ROSEFINCH Carpodacus erythrinus

A winter visitor to the plains and foothills of Assam (Ali and Ripley 1987, Choudhury 2000). In Arunachal Pradesh also it is a common winter visitor (Choudhury 2006) except in some very high elevation areas where it also breeds (Ali and Ripley 1987). A flock of eight birds was seen at Shiroi village at 1,900 m at 07h30 on 19 January 1996. This is the first record for Manipur.

DISCUSSION

The paucity of fieldwork in Manipur in recent decades means that trends in the avifauna are hard to discern, but some comments on the records above, in the context of the list in the Appendix, are called for. The Manipur Bushquail Perdicula manipurensis remains elusive. I could also find no recent record of several threatened species such as Burmese Sarus Crane Grus antigone sharpii and White-winged Duck Cairina (Asarcornis) scutulata, although there were unconfirmed reports of the crane from Loktak and of the duck from Zeilad lake. The occurrence of stray Green Peafowls is significant and a detailed survey focusing this species is an urgent necessity. The proportion of Baer's Pochard Aythya baeri in Baer's-Ferruginous combined numbers shot in Higgins (1933– 1934) was only 1.3% (51 Baer's against 3,728 Ferruginous between 1910 and 1932) indicating its rarity; there is a recent record of ten birds counted during a waterfowl census in 2000 (MASS 2000) and it is possible that one

or two are missed in larger flocks of Ferruginous Pochard in other years, but during the first systematic midwinter waterfowl census in 1996 I did not see a single bird. All species of hornbill have become rare owing to the fact that all the Naga tribes use the tail feathers for traditional headgear during annual festivals. While both the Whiterumped and Slender-billed Vultures have virtually vanished from Manipur, immature Himalayan Griffons *Gyps himalayensis* are occasionally seen in winter. For at least 90 species the range shown for north-eastern India in Rasmussen and Anderton (2005) is erroneous (Choudhury in press).

Loktak, one of the largest freshwater lakes in India, is under threat from siltation, pollution, over-fishing, dam construction (Ithai barrage) and the poaching of birds. In the hill districts, logging, *jhum* cultivation and poaching for food and local trade are the main conservation issues. The proposed hydroelectric dam at Tipaimukh on the Barak river is likely to submerge a significant area of lowland forest, home to many species of birds. The influx of the labour force, which is likely to be several thousand strong, could put extra pressure on the natural habitats in the form of tree-felling, snaring and poaching.

The area of closed-canopy forest (canopy cover >40%) declined from 50.5% of Manipur in 1972–1975 to 25.6% by 2001 (NRSA 1983, FSI 2003). Enforcement of antipoaching laws is virtually non-existent except some parts of the valley. Protected areas only cover 3.4% of the state and, except for Keibul Lamjao, they have no proper management. Formation of new protected areas such as Anko (400 km²), Dzuko (50 km² encompassing Dzuko-Tenipu), parts of Tolbung, Irangmukh and Vangai-Bongmukh Reserved Forests (500 km²), plus improved protection for existing sanctuaries, are recommended. Smaller community-run sanctuaries (up to 10 km²) should be established near Kamjong and Jessami, also elsewhere in the line of Khonoma Nature Conservation and Tragopan Sanctuary of Nagaland, which has been a success. The Forest Department should also start enforcing the Wildlife (Protection) Act, at least in the main markets of the hill districts. Within protected areas there needs to be better control of poaching, jhum cultivation and human-induced fires. Environmental awareness programmes are needed in villages surrounding protected areas.

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APPENDIX

Annotated checklist of birds recorded in Manipur

RR after the species name indicates a restricted-range species (Stattersfield *et al.* 1998). Status: R = resident; W = winter visitor; L = local movement; M = migrant including summer visitor; Bm = breeding migrant; P = passage migrant. Abundance: C = common; U = uncommon; O = occasional; V = very rare; S = stray. ZSI = Specimen at Zoological Survey of India. Threat categories are based on BirdLife International (2007): CR= Critically endangered, EN= Endangered, VU= Vulnerable, NT= Near Threatened.

Species	Status and abundance	Previous records
BLACK FRANCOLIN Francolinus francolinus	R U	4, 25
CHINESE FRANCOLIN Francolinus pintadeanus	R U	1, 4, 25
GREY QUAIL Coturnix coturnix	W U	1, 25
JAPANESE QUAIL Coturnix japonica	U	25

Species	Status and abundance	Previous records
RAIN QUAIL Coturnix coromandelica	R U	25
BLUE-BREASTED QUAIL Coturnix chinensis	R U	1, 4, 25
MANIPUR BUSH QUAIL Perdicula manipurensis VU RR	R V	1, 25, 26, 35, 41
HILL PARTRIDGE Arborophila torqueola	R C	19, 25
RUFOUS-THROATED PARTRIDGE Arborophila rufogularis	R U	1, 25
WHITE-CHEEKED $\mathbf{\hat{P}}$ ARTRIDGE $Arborophila \; atrogularis$	R C	13, 25, 26
MOUNTAIN BAMBOO PARTRIDGE Bambusicola fytchii	R C	13, 25, 26
BLYTH'S TRAGOPAN Tragopan blythii VU RR	R U	9, 10, 20, 25, 26, 41
RED JUNGLEFOWL Gallus gallus	R C	13, 25
KALIJ PHEASANT Lophura leucomelanos	RC	13, 25
MRS HUME'S PHEASANT Syrmaticus humiae NT	R U	1, 9, 14, 20, 44, 25
GREY PEACOCK PHEASANT Polyplectron bicalcaratum	R C	1, 25, 26
GREEN PEAFOWL Pavo muticus VU	0	9, 13, 16, 25
FULVOUS WHISTLING DUCK Dendrocygna bicolor	МО	4, 25
LESSER WHISTLING DUCK Dendrocygna javanica	M U	11, 25
GREATER WHITE-FRONTED GOOSE Anser albifrons	W V	1, 25
BEAN GOOSE Anser fabalis	S	1
GREYLAG GOOSE Anser anser	W U	4, 25
BAR-HEADED GOOSE Anser indicus	W U	25
RUDDY SHELDUCK Tadorna ferruginea	· W C	11, 25
COMMON SHELDUCK Tadorna tadorna	WU	25, 31
WHITE-WINGED DUCK Cairina scutulata EN	RO	1, 25
COMB DUCK Sarkidiornis melanotos	0	25
COTTON PYGMY-GOOSE Nettapus coromandelianus	R U	25
MANDARIN DUCK Aix galericulata	W U	1
GADWALL Anas strepera	W C	11, 25
FALCATED DUCK Anas falcata NT	WU	25
Eurasian Wigeon Anas penelope	W C	25
MALLARD ANAS platyrhynchos	W C	25
SPOT-BILLED DUCK Anas poecilorhyncha	W C	11, 25
Northern Shoveler Anas clypeata	W C	25
Northern Pintail Anas acuta	W C	11, 25
GARGANEY Anas querquedula	W U	25
BAIKAL TEAL Anas formosa VU	W O	25
COMMON TEAL Anas crecca	W C	25
PINK-HEADED DUCK Rhodonessa caryophyllacea CR	Probably extinct	25, 26
RED-CRESTED POCHARD Rhodonessa rufina	W U	11, 25
COMMON POCHARD Aythya ferina	W C	25
FERRUGINOUS POCHARD Aythya nyroca NT	W C	11, 25
BAER'S POCHARD Aythya baeri EN	W U	1, 25
TUFTED DUCK Aythya fuligula	W C	25
GREATER SCAUP Aythya marila	W O	25
COMMON GOLDENEYE Bucephala clangula	W V	25
COMMON MERGANSER Mergus merganser	W U	25
SMALL BUTTONQUAIL Turnix sylvatica	R	19, 25
YELLOW-LEGGED BUTTONQUAIL Turnix tanki	R W U	25
BARRED BUTTONQUAIL Turnix suscitator	R	1, 25

Species	Status and abundance	Previous records
YELLOW-RUMPED HONEYGUIDE Indicator xanthonotus NT	R U	45
Eurasian Wryneck Jynx torquilla	W U	43
SPECKLED PICULET Picumnus innominatus	R U	4
WHITE-BROWED PICULET Sasia ochracea	R U	4
GREY-CAPPED PYGMY WOODPECKER Dendrocopos canicapillus	R C	4
FULVOUS-BREASTED WOODPECKER Dendrocopos macei	R C	1
STRIPE-BREASTED WOODPECKER Dendrocopos atratus	R U	26, 43
RUFOUS-BELLIED WOODPECKER Dendrocopos hyperythrus	R U	1
CRIMSON-BREASTED WOODPECKER Dendrocopos cathpharius	R U	. 26
DARJEELING WOODPECKER Dendrocopos darjellensis	R U	4
GREAT SPOTTED WOODPECKER Dendrocopos major	R U	37
RUFOUS WOODPECKER Celeus brachyurus	R C	4
LESSER YELLOWNAPE Picus chlorolophus	R C	4
GREATER YELLOWNAPE Picus flavinucha	R C	4
STREAK-THROATED WOODPECKER Picus xanthopygaeus	R	45
GREY-HEADED WOODPECKER Picus canus	R C	4
HIMALAYAN FLAMEBACK Dinopium shorii	R U	4
COMMON FLAMEBACK Dinopium javanense	R U	4
GREATER FLAMEBACK Chrysocolaptes lucidus	R	21
PALE-HEADED WOODPECKER Gecinulus grantia	R	4
BAY WOODPECKER Blythipicus pyrrhotis	R	4
HEART-SPOTTED WOODPECKER Hemicircus canente	R U	4
GREAT SLATY WOODPECKER Mulleripicus pulverulentus	R	4
GREAT BARBET Megalaima virens	R C	4
LINEATED BARBET Megalaima lineata	R C	4
GOLDEN-THROATED BARBET Megalaima franklinii	R C	4
BLUE-THROATED BARBET Megalaima asiatica	R C	1
BLUE-EARED BARBET Megalaima australis	RC	4
COPPERSMITH BARBET Megalaima haemacephala	RC	4
GREAT HORNBILL Buceros bicornis NT	R U	13
BROWN HORNBILL Anorrhinus tickelli NT	R U	First record
RUFOUS-NECKED HORNBILL Aceros nipalensis VU	R V	8, 13, 36
WREATHED HORNBILL Aceros undulatus	RU	13
ORIENTAL PIED HORNBILL Anthracoceros albirostris	R U	13, 43
Соммон Ноорое <i>Upupa epops</i>	R C	43
RED-HEADED TROGON Harpactes erythrocephalus	R C	26, 43
INDIAN ROLLER Coracias benghalensis	R U	26
DOLLARBIRD Eurystomus orientalis	R C	4
BLYTH'S KINGFISHER Alcedo hercules NT	R U	4
COMMON KINGFISHER Alcedo atthis	R C	4, 11
BLUE-EARED KINGFISHER Alcedo meninting	R U	4
ORIENTAL DWARF KINGFISHER Ceyx erithacus	R U	4
STORK-BILLED KINGFISHER Halcyon capensis	RU	4
RUDDY KINGFISHER Halcyon smyrnensis	U	4
WHITE-THROATED KINGFISHER Halcyon smyrnensis	RC	11
BLACK-CAPPED KINGFISHER Halcyon pileata	0	45

Species	Status and abundance	Previous records
PIED KINGFISHER Ceryle rudis	RU	26, 38
BLUE-BEARDED BEE-EATER Nyctyornis athertoni	R C	4
GREEN BEE-EATER Merops orientalis	R C	4
CHESTNUT-HEADED BEE-EATER Merops leschenaulti	R C	4
PIED CUCKOO Clamator jacobinus	Bm	4
CHESTNUT-WINGED CUCKOO Clamator coromandus	R	4
LARGE HAWK CUCKOO Hierococcyx sparverioides	R Bm	4
Common Hawk Cuckoo Hierococcyx varius	R C	21
HODGSON'S HAWK CUCKOO Hierococcyx fugax	R	4
INDIAN CUCKOO Cuculus micropterus	RLC	21
EURASIAN CUCKOO Cuculus canorus	R(?) Bm	4
ORIENTAL CUCKOO Cuculus saturatus	Bm R	45
LESSER CUCKOO Cuculus poliocephalus	М	45
PLAINTIVE CUCKOO Cacomantis merulinus	R M	1
ASIAN EMERALD CUCKOO Chrysococcyx maculatus	(R L?)	4
VIOLET CUCKOO Chrysococcyx xanthorhynchus	(R L?)	4
DRONGO CUCKOO Surniculus lugubris	R or M	4
ASIAN KOEL Eudynamys scolopacea	RLC	4
GREEN-BILLED MALKOHA Phaenicophaeus tristis	R C	4
GREATER COUCAL Centropus sinensis	· R C	26, 43
LESSER COUCAL Centropus bengalensis	R C	4
VERNAL HANGING PARROT Loriculus vernalis	RLU	4
ALEXANDRINE PARAKEET Psittacula eupatria	R U	4
Rose-RINGED PARAKEET Psittacula krameri	R U	43
GREY-HEADED PARAKEET Psittacula finschii	R U	4
RED-BREASTED PARAKEET Psittacula alexandri	RC	12
HIMALAYAN SWIFTLET Collocalia brevirostris	R	4
WHITE-RUMPED NEEDLETAIL Zoonavena sylvatica	R L	4
SILVER-BACKED NEEDLETAIL Hirundapus cochinchinensis	L	4
BROWN -BACKED NEEDLETAIL Hirundapus giganteus	RL	4
ASIAN PALM SWIFT Cypsiurus balasiensis	R	4
FORK-TAILED SWIFT Apus pacificus	U	4
DARK-RUMPED SWIFT Apus acuticauda VU	Bm U	3
HOUSE SWIFT Apus affinis	RLC	4
BARN OWL Tyto alba	R U	26, 38
GRASS OWL Tyto capensis	R V	45
ORIENTAL BAY OWL Phodilus badius	R U	4
MOUNTAIN SCOPS OWL Otus spilocephalus	R	4
ORIENTAL SCOPS OWL Otus sunia	R U	4, 43
COLLARED SCOPS OWL Otus bakkamoena	R U	26
EURASIAN EAGLE OWL Bubo bubo	0	4
SPOT-BELLIED EAGLE OWL Bubo nipalensis	R U	4
DUSKY HORNED OWL Bubo coromandus	R U	4
BROWN FISH OWL Ketupa zeylonensis	R U	4
TAWNY FISH OWL Ketupa flavipes	R U	4
BROWN WOOD OWL Strix leptogrammica	R? U	26, 43
TAWNY OWL Strix aluco	R	4

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Species	Status and abundance	Previous records
Collared Owlet Glaucidium brodiei	R	4
ASIAN BARRED OWLET Glaucidium cuculoides	RLC	26, 43
SPOTTED OWLET Athene brama	R C	4
BROWN HAWK OWL Ninox scutulata	R C	4
HODGSON'S FROGMOUTH Batrachostomus hodgsoni	R V?	29
GREAT EARED NIGHTJAR Eurostopodus macrotis	RLC	4
GREY NIGHTJAR Caprimulgus indicus	RLC	4
LARGE-TAILED NIGHTJAR Caprimulgus macrurus	R L	4
SAVANNA NIGHTJAR Caprimulgus affinis	R L	. 4
SPECKLED WOOD PIGEON Columba hodgsonii	R U	4
ASHY WOOD PIGEON Columba pulchricollis	R U	25
PALE-CAPPED PIGEON Columba punicea VU	R V	4, 26
ORIENTAL TURTLE DOVE Streptopelia orientalis	R C	25, 26, 43
SPOTTED DOVE Streptopelia chinensis	R C	1, 11, 25
RED COLLARED DOVE Streptopelia tranquebarica	RC	25, 4
EURASIAN COLLARED DOVE Streptopelia decaocto	R C	25, 26, 43
BARRED CUCKOO DOVE Macropygia unchall	R C	25, 26, 43
EMERALD DOVE Chalcophaps indica	R C	25
ORANGE-BREASTED GREEN PIGEON Treron bicincta	R C	4, 25
POMPADOUR GREEN PIGEON Treron pompadora	R C	4, 25
THICK-BILLED GREEN PIGEON Treron curvirostra	R C	4, 25
YELLOW-LEGGED GREEN PIGEON Treron phoenicoptera	R U	25
PIN-TAILED GREEN PIGEON Treron apicauda	RLC	4, 25
WEDGE-TAILED GREEN PIGEON Treron sphenura	RLC	4, 25
GREEN IMPERIAL PIGEON Ducula aenea	R C	25
MOUNTAIN IMPERIAL PIGEON Ducula badia	R C	4, 25, 26
SARUS CRANE Grus antigone VU	S	25, 26
HOODED CRANE Grus monacha VU	S	25, 26
SLATY-BREASTED CRAKE Gallirallus striatus	Status unclear	45
BROWN CRAKE Amaurornis akool	R	45
WHITE-BREASTED WATERHEN Amaurornis phoenicurus	R C	1, 25
WATERCOCK Gallicrex cinerea	R U	25
PURPLE SWAMPHEN Porphyrio porphyrio	RU	25
Common Moorhen Gallinula chloropus	R C	11, 25
Common Coot Fulica atra	W C	11, 25
EURASIAN WOODCOCK Scolopax rusticola	W C	25
SOLITARY SNIPE Gallinago solitaria	W R? U	1, 25
WOOD SNIPE Gallinago nemoricola VU	W U	5, 6, 26
PINTAIL SNIPE Gallinago stenura	W C	25
SWINHOE'S SNIPE Gallinago megala	S	25
Common Snipe Gallinago gallinago	W C	25
JACK SNIPE Lymnocryptes minimus	0	25
BLACK-TAILED GODWIT Limosa limosa NT	0	1
WHIMBREL Numenius phaeopus	W P O	25
EURASIAN CURLEW Numenius arquata NT	W P O	25
SPOTTED REDSHANK Tringa erythropus	W C	25
COMMON REDSHANK Tringa totanus	WC	25

Species	Status and abundance	Previous records
Common Greenshank Tringa nebularia	W C	21
GREEN SANDPIPER Tringa ochropus	W C	1
WOOD SANDPIPER Tringa glareola	W C	4
Common Sandpiper Actitis hypoleucos	W C	4
RUDDY TURNSTONE Arenaria interpres	S	1, 25
RED-NECKED STINT Calidris ruficollis	S	45
RUFF Philomachus pugnax	S	25
GREATER PAINTED SNIPE Rostratula benghalensis	R C	25
PHEASANT-TAILED JACANA Hydrophasianus chirurgus	R C	25
BRONZE-WINGED JACANA Metopidius indicus	RC	25
EURASIAN THICK-KNEE Burhinus oedicnemus	R U	25
GREAT THICK-KNEE Esacus recurvirostris	R U	25
BLACK-WINGED STILT Himantopus himantopus	R U	4
PIED AVOCET Recurvirostra avosetta	W V	25
PACIFIC GOLDEN PLOVER Pluvialis fulva	W C	25
GREY PLOVER Pluvialis squatarola	W U	25
LITTLE RINGED PLOVER Charadrius dubius	RLU	21
LESSER SAND PLOVER Charadrius mongolus	W U	4
NORTHERN LAPWING Vanellus vanellus	W U	25
RIVER LAPWING Vanellus duvauceli	· RU	25
GREY-HEADED LAPWING Vanellus cinereus	W U	25
RED-WATTLED LAPWING Vanellus indicus	RU	25, 26
ORIENTAL PRATINCOLE Glareola maldivarum	0	25
SMALL PRATINCOLE Glareola lacteal	LU	25
PALLAS'S GULL Larus ichthyaetus	W P O	21
BROWN-HEADED GULL Larus brunnicephalus	W P O	26
GULL-BILLED TERN Gelochelidon nilotica	W O	45
RIVER TERN Sterna aurantia	R U	21
WHISKERED TERN Chlidonias hybridus	WU	45
Osprey Pandion haliaetus	W U	11
JERDON'S BAZA Aviceda jerdoni	RU	33
BLACK BAZA Aviceda leuphotes	RC	21
ORIENTAL HONEY BUZZARD Pernis ptilorhyncus	R	21
BLACK-SHOULDERED KITE Elanus caeruleus	RU	1, 26
BLACK KITE Milvus migrans	RC	11, 26
BRAHMINY KITE Haliastur indus	RU	43
PALLAS'S FISH EAGLE Haliaeetus leucoryphus VU	WO	8, 13, 26
WHITE-RUMPED VULTURE Gyps bengalensis CR	0	26, 4
SLENDER-BILLED VULTURE Gyps tenuirostris CR	0	33
HIMALAYAN GRIFFON <i>Gyps himalayensis</i>	WU	38
CRESTED SERPENT EAGLE Spilornis cheela	RC	33
EASTERN MARSH HARRIER Circus spilonotus	WU	11
PALLID HARRIER Circus macrourus	WO	45
PIED HARRIER Circus malanoleucos	WU	11
CRESTED GOSHAWK Accipiter trivirgatus	R	21
SHIKRA Accipiter badius	RC	21
BESRA Accipiter virgatus	R	33

Species	Status and abundance	Previous records
EURASIAN SPARROWHAWK Accipiter nisus	W	33
COMMON BUZZARD Buteo buteo	W U	4
LONG-LEGGED BUZZARD Buteo rufinus	S	33
BLACK EAGLE Ictinaetus malayensis	R C	21
INDIAN SPOTTED EAGLE Aquila hastata VU	RU	33
GREATER SPOTTED EAGLE Aquila clanga VU	W O	26
STEPPE EAGLE Aquila nipalensis	W O	33
BOOTED EAGLE Hieraaetus pennatus	W O	13
RUFOUS-BELLIED EAGLE Hieraaetus kienerii	R U	. 4
CHANGEABLE HAWK EAGLE Spizaetus cirrhatus	R C	33
MOUNTAIN HAWK EAGLE Spizaetus nipalensis	R U	4, 37
PIED FALCONET Microhierax melanoleucos	R U	7
LESSER KESTREL Falco naumanni VU	W P	26
COMMON KESTREL Falco tinnunculus	W C	26, 1
RED-NECKED FALCON Falco chicquera	U	8, 26
AMUR FALCON Falco amurensis	РС	13
EURASIAN HOBBY Falco subbuteo	W	33
ORIENTAL HOBBY Falco severus	R U	4
LAGGAR FALCON Falco jugger NT	0	26
PEREGRINE FALCON Falco peregrinus	R W U	4
LITTLE GREBE Tachybaptus ruficollis	R C	11, 25
GREAT CRESTED GREBE Podiceps cristatus	W U	25, 32
ORIENTAL DARTER Anhinga melanogaster NT	R U	25, 31
LITTLE CORMORANT Phalacrocorax niger	RC	11, 25
INDIAN CORMORANT Phalacrocorax fuscicollis	U	25
GREAT CORMORANT Phalacrocorax carbo	W U	11, 25
LITTLE EGRET Egretta garzetta	RC	11, 25
GREY HERON Ardea cinerea	R U	25, 32
PURPLE HERON Ardea purpurea	RC	11, 25
GREAT EGRET Casmerodius albus	R C	11, 25
INTERMEDIATE EGRET Mesophoyx intermedia	R C	11, 25
CATTLE EGRET Bubulcus ibis	R C	25
Indian Pond Heron Ardeola grayii	RC	11, 25
CHINESE POND HERON Ardeola bacchus	R U	25
LITTLE HERON Butorides striatus	R C	25, 32
BLACK-CROWNED NIGHT HERON Nycticorax nycticorax	R C	25
MALAYAN NIGHT HERON Gorsachius melanolophus	R U	25
YELLOW BITTERN Ixobrychus sinensis	R U	25
CINNAMON BITTERN Ixobrychus cinnamomeus	R C	25
BLACK BITTERN Dupetor flavicollis	R U	25
GLOSSY IBIS Plegadis falcinellus	0	25
BLACK-HEADED IBIS Threskiornis melanocephalus NT	0	25
GREAT WHITE PELICAN Pelecanus onocrotalus	W O	21, 30
SPOT-BILLED PELICAN Pelecanus philippensis NT	0	25, 26
ASIAN OPENBILL Anastomus oscitans	МО	25, 31
BLACK STORK Ciconia nigra	W O	31
BLACK-NECKED STORK Ephippiorhynchus asiaticus NT	0	25, 31

Species	Status and abundance	Previous records
GREATER ADJUTANT Leptoptilos dubius EN	0	26
BLUE-NAPED PITTA Pitta nipalensis	R L	4
BLUE PITTA Pitta cyanea	R? U	4
HOODED PITTA Pitta sordida	M?	4
INDIAN PITTA Pitta brachyura	R? M	4
SILVER-BREASTED BROADBILL Serilophus lunatus	RU	4
LONG-TAILED BROADBILL Psarisomus dalhousiae	RLC	26, 43
ASIAN FAIRY BLUEBIRD Irena puella	RLC	26, 43
BLUE-WINGED LEAFBIRD Chloropsis cochinchinensis	R C	4
GOLDEN-FRONTED LEAFBIRD Chloropsis aurifrons	RC	21
ORANGE-BELLIED LEAFBIRD Chloropsis hardwickii	R U	26, 43
BROWN SHRIKE Lanius cristatus	W C	11, 26
BURMESE SHRIKE Lanius collurioides	RLPU	4
LONG-TAILED SHRIKE Lanius schach	W C	11, 26
GREY-BACKED SHRIKE Lanius tephronotus	W C	1
EURASIAN JAY Garrulus glandarius	R U	27
RED-BILLED BLUE MAGPIE Urocissa erythrorhyncha	R U	26, 38
Common Green Magpie Cissa chinensis	R C	4
RUFOUS TREEPIE Dendrocitta vagabunda	R C	4
GREY TREEPIE Dendrocitta formosae	· R L C	26, 43
COLLARED TREEPIE Dendrocitta frontalis	R U	4
HOUSE CROW Corvus splendens	0	21
LARGE -BILLED CROW Corvus macrorhynchos	R U	4
ASHY WOODSWALLOW Artamus fuscus	R C	11
BLACK-NAPED ORIOLE Oriolus chinensis	W S	1
SLENDER-BILLED ORIOLE Oriolus tenuirostris	RU	4
BLACK-HOODED ORIOLE Oriolus xanthornus	R C	4
MAROON ORIOLE Oriolus traillii	R C	4, 43
LARGE CUCKOOSHRIKE Coracina macei	R C	21
BLACK-WINGED CUCKOOSHRIKE Coracina melaschistos	R L	4
ROSY MINIVET Pericrocotus roseus	R L	4
GREY-CHINNED MINIVET Pericrocotus solaris	RU	4
LONG-TAILED MINIVET Pericrocotus ethologus	R	4
SHORT-BILLED MINIVET Pericrocotus brevirostris	RLU	4
SCARLET MINIVET Pericrocotus flammeus	RC	21
BAR-WINGED FLYCATCHER-SHRIKE Hemipus picatus	R	4
YELLOW-BELLIED FANTAIL Rhipidura hypoxantha	RLC	4
WHITE-THROATED FANTAIL Rhipidura albicollis	RLC	4
BLACK DRONGO Dicrurus macrocercus	R C	11
Ashy Drongo Dicrurus leucophaeus	R C	1, 26
CROW-BILLED DRONGO Dicrurus annectans	R L	4
BRONZED DRONGO Dicrurus aeneus	R C	4, 43
LESSER RACKET-TAILED DRONGO Dicrurus remifer	R C	4
SPANGLED DRONGO Dicrurus hottentottus	R C	4
GREATER RACKET-TAILED DRONGO Dicrurus paradiseus	RC	4
BLACK-NAPED MONARCH Hypothymis azurea	RLC	4, 43
ASIAN PARADISE FLYCATCHER Terpsiphone paradisi	M?	4, 19

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4 First record 4, 43 4 26 26 26 4 4 4 4 4 4 4 4 4 4 4 4 4
First record 4, 43 4 26 26 4 4 4 4 4 4 4 4 4 4, 43 19, 26 4, 12 4 28 43 45
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26 26 26 4 4 4 4, 43 4, 43 4, 43 19, 26 4, 12 4 28 43 45
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Species	Status and abundance	Previous records
SIBERIAN BLUE ROBIN Luscinia Cyane	S	4,26
ORANGE-FLANKED BUSH ROBIN Tarsiger cyanurus	W V	1
GOLDEN BUSH ROBIN Tarsiger chrysaeus	R W	4
ORIENTAL MAGPIE ROBIN Copsychus saularis	RC	11, 43
WHITE-RUMPED SHAMA Copsychus malabaricus	RC	4
BLACK REDSTART Phoenicurus ochruros	W U	4
HODGSON'S REDSTART Phoenicurus hodgsoni	W U	4
DAURIAN REDSTART Phoenicurus auroreus	W C	4
BLUE-FRONTED REDSTART Phoenicurus frontalis	W U	4, 43
WHITE-CAPPED W ATER REDSTART Chaimarrornis leucocephalus	RWC	43
PLUMBEOUS WATER REDSTART Rhyacornis fuliginosus	RWC	4
WHITE-TAILED ROBIN Myiomela leucura	RW	4
LITTLE FORKTAIL Enicurus scouleri	RLU	First record
BLACK-BACKED FORKTAIL Enicurus immaculatus	RC	4,43
SLATY-BACKED FORKTAIL Enicurus schistaceus	RLC	4
WHITE-CROWNED FORKTAIL Enicurus leschenaulti	RLU	4
SPOTTED FORKTAIL Enicurus maculatus	RLC	4
PURPLE COCHOA Cochoa purpurea	RU	4
GREEN COCHOA Cochoa viridis	RU	4
COMMON STONECHAT Saxicola torquata	· W R C	11
PIED BUSHCHAT Saxicola caprata	MRC	11, 43
JERDON'S BUSHCHAT Saxicola jerdoni	RLU	4
GREY BUSHCHAT Saxicola ferrea	RLC	1
SPOT-WINGED STARLING Saroglossa spiloptera	W	4
CHESTNUT-TAILED STARLING Sturnus malabaricus	RC	1, 4
BRAHMINY STARLING Sturnus pagodarum	S	21
WHITE-SHOULDERED STARLING Sturnus sinensis	S	26
ASIAN PIED STARLING Sturnus contra	RU	11, 26
Соммоn Myna Acridotheres tristis	RC	11, 43
JUNGLE MYNA Acridotheres fuscus	RC	21
WHITE-VENTED MYNA Acridotheres cinereus	RC	11, 26, 38
Collared Myna Acridotheres albocinctus	RLU	1, 13, 26
GOLLENED MAINTENEORIES GOODATUS	RU	4, 13
HILL MYNA Gracula religiosa	R C .	4
CHESTNUT-VENTED NUthatch Sitta nagaensis	R	18, 19
CHESTNUT-BELLIED NUTHATCH Sitta castanea	RC	4
WHITE-TAILED NUTHATCH Sitta himalayensis	RW	4
VELVET-FRONTED NUTHATCH Sitta frontalis	RC	4
BEAUTIFUL NUTHATCH Sitta formosa VU	RU	4
WALLCREEPER Tichodroma muraria	W	4, 8
BROWN-THROATED TREECREEPER Certhia discolor	R	26
GREAT TIT Parus major	R C	4
GREEN-BACKED TIT Parus monticolus	R W	4
YELLOW-CHEEKED TIT Parus spilonotus	R C	4
YELLOW-BROWED TIT Sylviparus modestus	R L	4
SULTAN TIT Melanochlora sultanea	R C	4
BLACK-THROATED TIT Aegithalos concinnus	RC	26

Species	Status and abundance	Previous records
SAND MARTIN Riparia riparia	R L	4
PLAIN MARTIN Riparia paludicola	R L	21
BARN SWALLOW Hirundo rustica	R W C	11
STRIATED SWALLOW Hirundo striolata	R W	4
NEPAL HOUSE MARTIN Delichon nipalensis	R L	4
CRESTED FINCHBILL Spizixos canifrons	R L	26, 43
STRIATED BULBUL Pycnonotus striatus	R C	4
BLACK-HEADED BULBUL Pycnonotus atriceps	R C	4, 43
BLACK-CRESTED BULBUL Pycnonotus melanicterus	R C	4,43
RED-WHISKERED BULBUL Pycnonotus jocosus	R C	11
RED-VENTED BULBUL Pycnonotus cafer	R C	11
FLAVESCENT BULBUL Pycnonotus flavescens	R	4
WHITE-THROATED BULBUL Alophoixus flaveolus	RLC	43, 4
OLIVE BULBUL Iole virescens	R U	4
ASHY BULBUL Hemixos flavala	R C	4
MOUNTAIN BULBUL Hypsipetes mcclellandii	R	26, 43
BLACK BULBUL Hypsipetes leucocephalus	RLC	4
ZITTING CISTICOLA Cisticola juncidis	R	4
BRIGHT-HEADED CISTICOLA Cisticola exilis	R	1
STRIATED PRINIA Prinia criniger	RLC	4
HILL PRINIA Prinia atrogularis	R C	4
RUFESCENT PRINIA Prinia rufescens	R C	1
GREY-BREASTED PRINIA Prinia hodgsonii	R C	18, 19
YELLOW-BELLIED PRINIA Prinia flaviventris	R C	28
Ashy Prinia <i>Prinia socialis</i>	R C	4
PLAIN PRINIA Prinia inornata	R C	4
ORIENTAL WHITE-EYE Zosterops palpebrosus	R C	11, 43
SLATY-BELLIED TESIA Tesia olivea	R L	4
GREY-BELLIED TESIA Tesia cyaniventer	R L	4
BROWNISH-FLANKED BUSH WARBLER Cettia fortipes	L	19
ABERRANT BUSH WARBLER Cettia flavolivacea	R U	4
BLACK-BROWED REED WARBLER Acrocephalus bistrigiceps	W U	4
PADDYFIELD WARBLER Acrocephalus agricola	W	21
BLYTH'S REED WARBLER Acrocephalus dumetorum	W C	4
ORIENTAL REED WARBLER Acrocephalus orientalis	W U	4
Mountain Tailorbird Orthotomus cuculatus	R	4
Common Tailorbird Orthotomus sutorius	R C	4
DARK-NECKED TAILORBIRD Orthotomus atrogularis	R	4
DUSKY WARBLER Phylloscopus fuscatus	W	37
TICKELL'S LEAF WARBLER Phylloscopus affinis	W	19
BUFF-BARRED WARBLER Phylloscopus pulcher	L	19
ASHY-THROATED WARBLER Phylloscopus maculipennis	R	21
PALLAS'S LEAF WARBLER Phylloscopus proregulus	W	4
LEMON-RUMPED WARBLER Phylloscopus chloronotus	W	26
YELLOW-BROWED WARBLER Phylloscopus inornatus	W	1
HUME'S WARBLER Phylloscopus humei	W	45

Forktail 25 (2009)	Significant recent	ornithological	records from	Manipur,	north-east India

Species	Status and abundance	Previous records
LARGE-BILLED LEAF WARBLER Phylloscopus magnirostris	W	26
EASTERN CROWNED WARBLER Phylloscopus coronatus	W	29
BLYTH'S LEAF WARBLER Phylloscopus reguloides	W R	29
GOLDEN SPECTACLED WARBLER Seicercus burkii	R	43
GREY-HOODED WARBLER Seicercus xanthoschistos	RLC	1
WHITE-SPECTACLED WARBLER Seicercus affinis	R L	4
GREY-CHEEKED WARBLER Seicercus poliogenys	R L	1
CHESTNUT-CROWNED WARBLER Seicercus castaniceps	R L	19
YELLOW-BELLIED WARBLER Abroscopus superciliaris	R L	21
STRIATED GRASSBIRD Megalurus palustris	RC	4, 43
RUFOUS-RUMPED GRASSBIRD Graminicola bengalensis NT	RU	4
WHITE-CRESTED LAUGHINGTHRUSH Garrulax leucolophus	RC	4
Lesser Necklaced Laughingthrush Garrulax monileger	RC	4
GREATER NECKLACED LAUGHINGTHRUSH Garrulax pectoralis	RC	4
RUFOUS-NECKED LAUGHINGTHRUSH Garrulax ruficollis	RC	26, 43
CHESTNUT-BACKED LAUGHINGTHRUSH Garrulax nuchalis NT	RU	4
YELLOW-THROATED LAUGHINGTHRUSH Garrulax galbanus	RC	1, 18
RUFOUS-VENTED LAUGHINGTHRUSH Garrulax gularis	RC	29
MOUSTACHED LAUGHINGTHRUSH Garrulax cineraceus	RLC	18, 43
GREY-SIDED LAUGHINGTHRUSH Garrulax caerulatus	· RLC	28, 37
SPOT-BREASTED LAUGHINGTHRUSH Garrulax merulinus	RC	28
WHITE-BROWED LAUGHINGTHRUSH Garrulax sannio	RU	18, 43
STRIPED LAUGHINGTHRUSH Garrulax virgatus RR	R	13, 18
BROWN-CAPPED LAUGHINGTHRUSH Garrulax austeni RR	RU	4, 13
BLUE-WINGED LAUGHINGTHRUSH Garrulax squamatus	RU	4
CHESTNUT-CROWNED LAUGHINGTHRUSH Garrulax erythrocephalus	RLU	26
RED-FACED LIOCICHLA Liocichla phoenicea	RLC	4
ABBOTT'S BABBLER Trichastoma abbotti	RC	4
BUFF-BREASTED BABBLER Pellorneum tickelli	R	4, 43
SPOT-THROATED BABBLER Pellorneum albiventre	RLC	4
PUFF-THROATED BABBLER Pellorneum ruficeps	RC	4, 43
SPOT-BREASTED SCIMITAR BABBLER Pomatorhinus erythrocnemis	RC	26, 28
WHITE-BROWED SCIMITAR BABBLER Pomatorhinus schisticeps	RC	4
STREAK-BREASTED SCIMITAR BABBLER Pomatorhinus ruficollis	RWC	4
Red-Billed Scimitar Babbler Pomatorhinus ochraceiceps	R	26
CORAL-BILLED SCIMITAR BABBLER Pomatorhinus ferruginosus	RC	4
SLENDER-BILLED SCIMITAR BABBLER Tomatorinius serraginosas	RWL	4
STREAKED WREN BABBLER Napothera brevicaudata	RWL	4
EYE-BROWED WREN BABBLER Napothera epilepidota	RLC	4
PYGMY WREN BABBLER Phoepyga pusilla	RLC	28
SPOTTED WREN BABBLER Spelaeornis formosus	RU	4
LONG-TAILED WREN BABBLER Spelaeornis chocolatinus	RC	4
CAWNY-BREASTED WREN BABBLER Spelaeornis chocolatinus		
WEDGE-BILLED WREN BABBLER Spielaeornis longicaulatus VU KR	R RLU	4, 8, 13
		4
RUFOUS-FRONTED BABBLER Stachyris rufifrons	R C R L C	4
RUFOUS-CAPPED BABBLER Stachyris ruficeps		

Species	Status and abundance	Previous records
STRIPED TIT BABBLER Macronous gularis	RC	4
CHESTNUT-CAPPED BABBLER Timalia pileata	RC	28
YELLOW-EYED BABBLER Chrysomma sinense	R	29
SLENDER-BILLED BABBLER Turdoides longirostris VU	RU	18, 19, 29, 40, 8
SILVER-EARED MESIA Leiothrix argentauris	R C	4
RED-BILLED LEIOTHRIX Leiothrix lutea	R	4
CUTIA Cutia nipalensis	RU	29
BLACK-HEADED SHRIKE BABBLER Pteruthius rufiventer	U	4
WHITE-BROWED SHRIKE BABBLER Pteruthius flaviscapis	RU	. 4, 27
BLACK-EARED SHRIKE BABBLER Pteruthius melanotis	R W U	4, 28
WHITE-HOODED BABBLER Gampsorhynchus rufulus	R	4, 29
RUSTY-FRONTED BARWING Actinodura egertoni	R C	4, 29
STREAK-THROATED BARWING Actinodura waldeni RR	R	18, 19
BLUE-WINGED MINLA Minla cyanouroptera	RWC	26
CHESTNUT-TAILED MINLA Minla strigula	RU	37
RED-TAILED MINLA Minla ignotincta	RC	1
GOLDEN-BREASTED FULVETTA Alcippe chrysotis	RU	26, 29
YELLOW-THROATED FULVETTA Alcippe cinerea	RU	4
RUFOUS-WINGED FULVETTA Alcippe castaneceps	RC	4
WHITE-BROWED FULVETTA Alcippe vinipectus	RU	19, 34
STREAK-THROATED FULVETTA Alcippe cinereiceps	R	34
RUFOUS-THROATED FULVETTA Alcippe rufogularis	R	4
RUSTY-CAPPED FULVETTA Alcippe dubia	RC	21
BROWN-CHEEKED FULVETTA Alcippe poioicephala	R C	4, 43
NEPAL FULVETTA Alcippe nipalensis	RLC	1
RUFOUS-BACKED Sibia Heterophasia annectans	RU	45
GREY SIBIA Heterophasia gracilis	RC	1
STRIATED YUHINA Yuhina castaniceps	RC	4
WHITE-NAPED YUHINA Yuhina bakeri RR	R	4
WHISKERED YUHINA Yuhina flavicollis	RWC	4
STRIPE-THROATED YUHINA Yuhina gularis	W U	4
BLACK-CHINNED YUHINA Yuhina nigrimenta	RC	29
WHITE-BELLIED YUHINA Yuhina xantholeuca	RU	1
GREY-HEADED PARROTBILL Paradoxornis gularis	RU	29
SPOT-BREASTED PARROTBILL Paradoxornis guttaticollis	R	19
BLACK-THROATED PARROTBILL Paradoxornis nipalensis	R	4
LESSER RUFOUS-HEADED PARROTBILL Paradoxornis atrosuperciliaris	RU	19
GREATER RUFOUS-HEADED PARROTBILL Paradoxornis ruficeps	RU	4
RUFOUS-WINGED BUSH LARK Mirafra assamica	RC	4
ORIENTAL SKYLARK Alauda gulgula	RWL	21
YELLOW-VENTED FLOWERPECKER Dicaeum chrysorrheum	RC	4
YELLOW-BELLIED FLOWERPECKER Dicaeum melanoxanthum	RU	4
PLAIN FLOWERPECKER Dicaeum concolor	RC	4
FIRE-BREASTED FLOWERPECKER Dicaeum ignipectus	RLC	4
SCARLET-BACKED FLOWERPECKER Dicaeum cruentatum	RC	4
RUBY-CHEEKED SUNBIRD Anthreptes singalensis	RC	4

	Forktail 25 (2009)	Significant recent	ornithological recon	rds from Mani	our, north-east India
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Species	Status and abundance	Previous records
MRS GOULD'S SUNBIRD Aethopyga gouldiae	RLU	4
GREEN-TAILED SUNBIRD Aethopyga nipalensis	R L	4
BLACK-THROATED SUNBIRD Aethopyga saturata	R L	4
CRIMSON SUNBIRD Aethopyga siparaja	RLC	2
FIRE-TAILED SUNBIRD Aethopyga ignicauda	RLC	4
LITTLE SPIDERHUNTER Arachnothera longirostra	R C	4, 43
STREAKED SPIDERHUNTER Arachnothera magna	RLC	4
HOUSE SPARROW Passer domesticus	R U	43
RUSSET SPARROW Passer rutilans	R W U	4
EURASIAN TREE SPARROW Passer montanus	RC	11, 43
FOREST WAGTAIL Dendronanthus indicus	W	4
WHITE WAGTAIL Motacilla alba	WC	11
CITRINE WAGTAIL Motacilla citreola	W C	11
YELLOW WAGTAIL Motacilla flava	W C	21
GREY WAGTAIL Motacilla cinerea	W C	4
RICHARD'S PIPIT Anthus richardi	W	4
PADDYFIELD PIPIT Anthus rufulus	R C	43
BLYTH'S PIPIT Anthus godlewskii	W	45
OLIVE-BACKED PIPIT Anthus hodgsoni	W C	43
RED-THROATED PIPIT Anthus cervinus	· PU	21
Rosy PIPIT Anthus roseatus	WU	4
WATER PIPIT Anthus spinoletta	W S	4, 26
BUFF-BELLIED PIPIT Anthus rubescens	S	45
BLACK-BREASTED WEAVER Ploceus benghalensis	RLU	4
BAYA WEAVER Ploceus philippinus	RLU	New record
WHITE-RUMPED MUNIA Lonchura striata	R C	4, 43
SCALY-BREASTED MUNIA Lonchura punctulata	R C	45
BLACK-HEADED MUNIA Lonchura malacca	RU	11
YELLOW-BREASTED GREENFINCH Carduelis spinoides	R W	4
COMMON ROSEFINCH Carpodacus erythrinus	W	New record
CRIMSON-BROWED FINCH Propyrrhula subhimachala	RLU	4
SCARLET FINCH Haematospiza sipahi	RLU	4
BROWN BULLFINCH Pyrrhula nipalensis	RLU	4
SPOT-WINGED GROSBEAK Mycerobas melanozanthos	RLU	26
CRESTED BUNTING Melophus lathami	RWC	4
CHESTNUT-EARED BUNTING Emberiza fucata	W C	42
LITTLE BUNTING Emberiza pusilla	W C	4
YELLOW-BREASTED BUNTING Emberiza aureola VU	W	4
CHESTNUT BUNTING Emberiza rutila	W C	4
BLACK-FACED BUNTING Emberiza spodocephala	WC	4

Previous records: 1: Abdulali (1968–1988), 2: Abdulali and Unnithan (1996), 3: Ahmed *et al.* (2007), 4: Ali and Ripley (1987), 5: Anon (1920), 6: Baker (1921–1930), 7: Baker (1928), 8: BirdLife International (2001), 9: Choudhury (1992), 10: Choudhury (1996), 11: Choudhury (1998a), 12: Choudhury (1998b), 13: Choudhury (2000), 14: Choudhury (2002a), 15: Choudhury (2004), 16: Choudhury (2005b), 17: Godwin-Austen (1872), 18: Godwin-Austen (1874a), 19: Godwin-Austen (1874b), 20: Godwin-Austen (1882), 21: Grimmett *et al.* (1998), 22: Higgins (1913a), 23: Higgins, J. C. (1913b), 24: Higgins (1916), 25: Higgins (1933–1934), 26: Hume (1888), 27: Koelz (1951), 28: Koelz (1952), 29: Koelz (1954), 30: MASS (1998), 31: MASS (1999), 32: MASS (2000), 33: Naoroji (2006), 34: Ogilvie Grant (1895), 35: Powell Connor (1908), 36: Prashad (1937), 37: Ripley (1982), 38: Roonwal and Nath (1948), 39: Sharpe (1879), 40: Storer (1988), 41: Turner (1899), 42: Unnithan (2005), 43: Specimen at Zoological Survey of India, 44: Finn (1898), 45: Kazmierczak and van Perlo (2000).



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