MAMMALIAN AND AVIAN DIVERSITY OF THE NALLAMALA HILLS, ANDHRA PRADESH

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Abstract

The paper briefly reviews the mammalian and avian diversity of the Nallamala Hills (15°20'-16°31' N and 78°30'-80°10' E), Andhra Pradesh. Based on faunal surveys carried out intermittently throughout the study area and published information, the presence of 74 mammals and 302 bird species in this stretch of Eastern Ghats is reported.

Keywords

Diversity, mammals, birds, Nallamala Hills, Eastern Ghats, Andhra Pradesh

Introduction

Nallamala Hills stretching across five districts of the state of Andhra Pradesh is renowned for being rich in biodiversity (Rao, 1998). The first of the faunal surveys conducted here dates back to 1930, when Dr. Sàlim Ali had collected bird specimens from Mananur and Farahabad on the Amrabad Plateau of these hills during the Hyderabad State Ornithological Survey (Ali 1933a, b, c; 1934a, b). From avian point of view further surveys were carried out by members of the Birdwatchers Society of Andhra Pradesh (Aasheesh Pittie, pers. comm.), and the research team at the Zoology Department of Osmania University (Rao et al., 1997; Srinivasulu & Rao, 1999). Excepting a few faunal surveys carried out by Zoological Survey of India (Murthy, 1968, 1986; Sharma, 1971; Agrawal & Bhattacharya, 1976) and by the Forest Department, no scientific documentation of mammalian and avian fauna was done until recently. Nagulu et al. (1998) gave an account of these in the context of Eastern Ghats in general.

We have been regularly monitoring the mammalian and avian diversity of the Nallamala Hills, especially along the tracts encompassed by Nagarjunasagar Srisailam Tiger Reserve (3568 km²) and Gundla Brahmeshwaram Wildlife Sanctuary (1198 km²).

Intermittent faunal surveys in the Nallamala Hills have been an on going task since 1990 by researchers of our department. The senior author had carried out systematic studies on mammalian and avifaunal diversity between March 1996 to November 2000, while studying ungulate behaviour for his doctoral research. Published documents, and information gathered from officials of the Project Tiger, Forest Department and tribals (Chenchus) has also been relied upon. This article briefly reviews the mammalian and avian diversity of the Nallamala Hills.

Study area

Nallamala (15°20'-16°31' N and 78°30'-80°10' E) is a group of low hill ranges in the central part of Eastern Ghats (Fig. 1). From the Palnad basin in the north to the Tirupati basin in the south, the Nallamala runs a distance of 430km with an average width of 30km (Anon, 1965). An unbroken chain of rugged hills with precipitous cliffs encompassing an area of about 7640 km² forms the range. The vegetation is typically of southern tropical dry deciduous and southern tropical moist deciduous forest types intermingled with scrub (Champion & Seth, 1968). The climate is generally hot and dry with temperatures rising up to 43°C to 45°C during May and dips down to 8°C in December. Average rainfall in this region is between 900 and 1000mm.

Methodology

Mammalian fauna was recorded either by direct sightings or by the presence of indirect evidence. Footprints, droppings, and kills (both by predator and road) were carefully analysed. Mammals were categorised to be common (fairly well distributed and sighted, or evidence recorded once a day), uncommon (fairly well distributed and sighted, or evidence recorded once a week), occasional (restricted distribution and sighted, or evidence recorded infrequently), and rare (fewer than 10 sightings, or evidence recorded, or single sight records either by us, or reliable sources).

Survey of birds was carried regularly from March 1996 to

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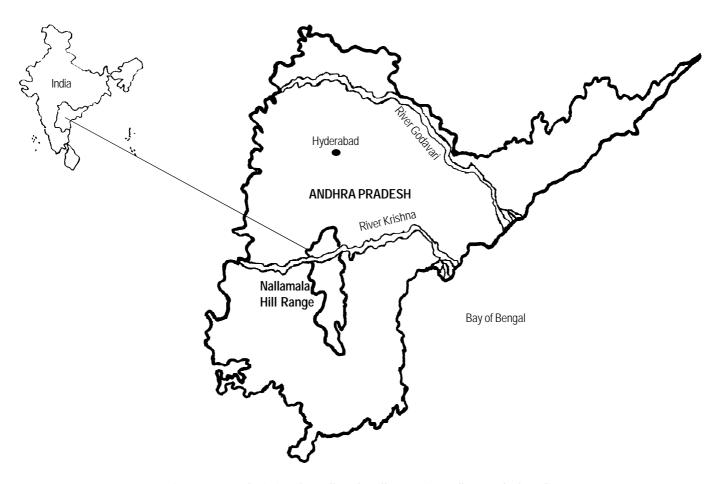


Figure 1. Map depicting the Nallamala Hill Range in Andhra Pradesh, India

February 2000, to ensure that all months of the year were covered. Bird records were done following imaginary grid method and line transect method as outlined by Gaston (1973). Identification was based on Ali and Ripley (1983) and Ali (1996). Based on the number of sightings and occurrence of a given species, their status was assigned. Birds were considered to be common (encountered daily in relatively large numbers), uncommon (encountered daily but in few numbers), occasional (encountered occasionally in less numbers, or singly) or rare (encountered less than 15 times in a year). Scientific names and taxonomic classification of birds is after Inskipp *et al.* (1996) and common names after Manakadan *et al.* (1998).

Results and Discussion

The mammalian diversity of this region is represented by 74 species belonging to 28 families of nine orders (Table 1). Maximum number of species recorded or reported to occur in the Nallamala Hills belonged to order Chiroptera (24 species) and was followed by orders Carnivora (20 species) and Rodentia (12 species). The known rodents from this area being

so less in number calls for collection of specimens in future to have a complete picture of the small mammalian diversity here. The Nallamala mammals represent about 20% of the Indian and 2% of the world mammalian diversity.

Of the total mammalian diversity recorded to occur here, 55.4% (41 species) are common, 27.02% (20 species) are uncommon, 12.16% (9 species) are occasional and 5.4% (4 species) are rare in occurrence. Among the mammalian species reported by us in the Nallamala Hills, 69 species (93.24%) were sighted during the study period, and about 4.3% (3 species) are based on indirect evidence. The presence of five species (6.75%) of mammals that were not recorded by us during the present study, is reported on account of reliable information. These interesting mammalian records are: Madras Hedgehog *Hemiechinus nudiventris*, Wolf *Canis lupus*, Indian Pangolin *Manis crassicaudata*; Asiatic Wild Cat *Felis sylvestris ornata* and Indian Muntjak *Muntiacus muntjac* (Tulsi Rao, *pers. comm.*).

Some of the infrequently sighted species that deserve mention

are the Smooth-coated Otter *Lutrogale perspicillata* (along the selected stretch of Krishna River), Ratel *Mellivora capensis* (more on the south of bank of Krishna River along the Pecheruvu and Gundla Brahmeshwaram Plateaus), and Fishing Cat *Prionailurus viverrinus* (recorded once on the banks of Gundlakamma River on the Gundla Brahmeshwaram Plateau). The Chinkara *Gazella bennetti* is found in the open tracts along the Krishna River on the Amrabad Plateau, while the Blackbuck *Antilope cervicapra* is reported only from Ganjivaripalle environs.

The species of the monotypic genera of mammals occurring in the Nallamala are Indian Tree Shrew Anathana ellioti (Scadentia), Indian Wild Dog Cuon alpinus, Sloth Bear Melursus ursinus, Ratel, Hyena Hyaena hyaena, Small Indian Civet Vivvericula indica (Carnivora), Blackbuck, Nilgai Boselaphus tragocamelus, Four-horned Antelope Tetracerus quadricornis (Artiodactyla) and Indian Bush Rat Golunda ellioti (Rodentia). Of the threatened species, the endangered ones that are found in the Nallamala are Tiger Panthera tigris, Ratel, Rusty-spotted Cat Prionailurus rubiginosus (Rao et al., 1999), and Four-horned Antelope Tetracerus quadricornis, which is densely populated on the Gundla Brahmeshwaram Plateau. The species that are endemic to the peninsular India and are thriving on the Nallamala Hills are Indian Tree Shrew (Scadentia), Bonnet Macaque Macaca radiata (Primates), and Giant Squirrel Ratufa indica (Rodentia).

Complete representation of smaller mammals occurring in the Nallamala Hills might have not been covered in the present study. As a result many smaller forms, especially those belonging to orders Insectivora, Chiroptera and Rodentia are poorly represented in this study. Careful scrutiny of the relevant published material revealed the historic presence of many species that were not reported in the recent times. Among the chiropterans, Lesser Woolly Horseshoe Bat *Rhinopoma beddomei* and Andersen's Leaf-nosed Bat *Hipposideros pomona* are such examples which were earlier collected from the Nallamala Hills (Bates & Harrison, 1996) but the present day status remains unknown.

The avian diversity of the Nallamala Hills is represented by a total of 302 species belonging to 17 orders and 53 families (Table 2). Passerines represented by 125 species belonging to 20 families contribute to about 41.4% of the bird diversity. Among the non-passerines maximum representation were that of waders (Charadriiformes, 6 families and 29 species) and diurnal raptors (Falconiformes, 2 families, 26 species). Other orders represented in significant numbers of species are Anseriformes (2 family, 15 species), Ciconiiformes (3 families, 17 species), Gruiiformes (3 families, 14 species), Coraciiformes (7 families, 12 species) Galliformes (1 family, 11 species), and Columbiformes (2 families, 11 species).

Of the total diversity, 48.67% (147 species) are common, 32.45% (98 species) are uncommon, 12.25% (37 species) are occasional, and 6.62% (20 species) are rare in abundance. Of the resident bird diversity of 189 species, 91.53% are confirmed residents, while the rest are resident migrants. Among the migrants represented by 101 species (contributing 33.44% of the total diversity) most are winter migrants (73 species, 72.27%) followed by seasonal local migrants (23 species, 22.77%) and local migrants (5 species, 4.95%). Twelve species (3.97% of the total diversity) are considered to be vagrant or stragglers to this area. Of the total diversity 136 species (45.03%) are confirmed breeders while about 41 species (13.57%) probably breed here.

Ali (1933a, b, c; 1934a, b) has reported sighting of 127 species of birds on Amrabad Plateau from Mananur and Farahabad localities between 3-20 October, 1931, of which 123 birds were recorded during the present study. Species reported by Ali that were conspicuously absent here and elsewhere in the Nallamala Hills are Eurasian Griffon-Vulture Gyps fulvus (reported to be common then), Indian Trogon Harpactes fasciatus (one sighted on 12 October, 1931 on Uma Maheshwara Plateau near Mananur), Nilgiri Wood Pigeon Columba elphinstonii (Ali, (1934b) mentions catching a glimpse of it in the forest around Mananur), and Greenish Warbler (Phylloscopus trochiloides nitidus and P. t. viridanus). It is possible that the last species might have been possibly overlooked or confused with other species of Phylloscopus. Some of the interesting records of the present study are reporting of sighting of White-necked Stork Ciconia episcopus, White Stork Ciconia ciconia along the Madras Canal near Veligode, Pied Avocet Recurvirostra avosetta on the Amrabad Plateau (Tulsi Rao, pers. comm.), Indian Pied Hornbill Anthracoceros coronatus near Peddarutla on the Right Bank of Nagarjunasagar Srisailam Tiger Reserve (Harsha Reddy, pers. comm.), Yellow-throated Bulbul near Uma Maheshawaram (Aasheesh Pittie, pers. comm.) and from two other sites, namely Rollapenta and Pedda Manthanala on the right bank of Nagarjunasagar Srisailam Tiger Reserve (Srinivasulu in prep.), Yellow-browed Bulbul from Uma Maheshwaram (Srinivasulu & Rao, 2000), Little Pied Flycatcher Ficedula westermanni from Gundla Brahmeshwaram Plateau (Srinivasulu, in press), and White-rumped Shama Copsychus malabaricus from Farahabad on Amrabad Plateau (Rao et al., 1997) and Rudrakode area of Gundla Brahmeshwaram Wildlife Sanctuary .

The species of the monotypic genera of birds occurring in the Nallamala are *Anastomus oscitans* (Ciconiformes), *Rhodonessa rufina* (Anseriformes), *Butastus teesa* (Falconiformes), *Hydrophasianus chirurgus* and *Metopidius indicus* (Charadriiformes).

Threats

The once dense and secure forest of Nallamala is under severe threat due to habitat destruction, livestock pressure and biotic interference. Human greed has taken its toll and the aftereffects of the same is reflected by the deserted look of the forest, especially across the Amrabad plateau. Rapid developmental activities are underway jeopardizing biotic integrity and sustenance of floral and faunal components. The northern part of the Nallamala Hills, especially that north of Krishna River falling in the districts of Mahbubnagar and Nalgonda, has been greatly affected by anthropogenic and biotic pressure, while the central and southern regions are relatively better. Management intervention should ensure checking of illegal entry, livestock pressure, poaching, tree felling, etc. to ensure conservation priorities and sustenance of sylvan tribal population. The treasure-chest will soon be empty without timely conservation measures.

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Table 1. Mammalian diversity of the Nallamala Hills, Eastern Ghats

Common name	Scientific name	Α	R	Common name	Scientific name	Α	R
Insectivora				Carnivora			
<u>Erinaceidae</u>				<u>Canidae</u>			
Madras Hedgehog	Hemiechinus nudiventris	R	3	Golden Jackal	Canis aureus	С	1
<u>Soricidae</u>				Wolf	Canis lupus	0	3
Musk Rat	Suncus murinus	С	1	Dhole Indian Wild Dog	Cuon alpinus	С	1
	Suncus mannus	O	'	Bengal (Indian) Fox	Vulpes bengalensis	С	1
Scadentia				Ursidae			
<u>Tupaiidae</u>				Sloth Bear	Melursus ursinus	С	1
South Indian (Madras) Tree	Anathana ellioti	UC	1			-	•
Shrew				<u>Mustelidae</u>			4.0
Chiroptera				Smooth-coated Otter	Lutrogale perspicillata	UC	1, 3
<u>Pteropodidae</u>				Ratel (Honey Badger)	Mellivora capensis	UC	1, 3
Fulvous Fruit Bat	Rousettus leschnaulti	UC	1	<u>Viverridae</u>			
Indian Flying Fox	Pteropus giganteus	UC	1, 2	Common Palm Civet	Paradoxurus hermaphroditus	С	1
Short-nosed Fruit Bat	Cynopterus sphinx	С	1	Small Indian Civet	Viverricula indica .	С	1
Rhinopomatidae	, ,			<u>Hespertidae</u>			
Lesser Mouse-tailed Bat	Rhinopoma hardwickii	UC	1, 2	Grey (Common) Mongoose	Herpestes edwardsii	С	1
Lessei Mouse-talleu Dat	ктііноронта нагичіскіі	UC	1, 2	Small Indian Mongoose	Herpestes javanicus	C	1
<u>Emballonuridae</u>					Herpestes smithii	C	1
Long-winged Tomb Bat	Taphozous longimanus	UC	1, 2	Ruddy Mongoose	петреѕіеѕ зітіпі	C	1
Black-bearded Tomb Bat	Taphozous melanopogon	UC	1, 2	<u>Hyaenidae</u>			
Naked-rumped Tomb Bat	Taphozous nudiventris	0	1	Striped Hyaena	Hyaena hyaena	Ο	1
Egyptian Tomb Bat	Taphozous perforatus	0	1	<u>Felidae</u>			
<u>Megadermatidae</u>				Jungle Cat	Felis chaus	С	1
Greater False Vampire	Megaderma lyra	С	1, 2	Desert (Wild) Cat	Felis silvestris	R	3
Lesser False Vampire	Megaderma spasma	0	1, 2	Leopard Cat	Prionailurus bengalensis	С	ა 1
Lessel Laise varriplie	тисуаценна зразтна	O	1	Rusty-spotted Cat	Prionailurus rubiginosus	R	1
<u>Rhinolophidae</u>				Fishing Cat	Prionailurus viverrinus	0	1, 3
Rufous Horseshoe Bat	Rhinolophus rouxii	С	1, 2	Leopard	Panthera pardus	C	1, 3 1
<u>Hipposideridae</u>						C	1
Fulvus Leaf-nosed Bat	Hipposideros fulvus	Ο	1	Tiger	Panthera tigris	C	1
Kelaart's Leaf-nosed Bat	Hipposideros lankadiva	0	1	Artiodactyla			
Schneider's Leaf-nosed Bat	Hipposideros speoris	ÜC	1, 2	<u>Suidae</u>			
	піррозійстоз эрсопз	00	1, 2	Wild Boar	Sus scrofa cristatus	С	1
<u>Molossidae</u>	T 1 11 "	0		<u>Tragulidae</u>			
Egyptian Free-tailed Bat	Tadarida aegyptiaca	С	1	Indian Chevrotain	Moschiola meminna	С	1
<u>Vespertilionidae</u>							•
Tickell's Bat	Hesperoptenus tickelli	UC	1	<u>Cervidae</u>		_	
Painted Bat	Kerivoula picta	UC	1	Spotted Deer	Axis axis	С	1
Schreiber's Long-fingered Bat	Miniopterus schreibersii	UC	1	Sambar	Cervus unicolor	С	1
Kelaart's Pipistrelle	Pipistrellus ceylonicus	С	1	Indian Muntjak	Muntiacus muntjak	UC	3
Little Indian Bat	Pipistrellus coromandra	С	1	Bovidae			
Dormer's Bat	Pipistrellus dormeri	R	1	Blackbuck	Antilope cervicapra	UC	1
Least Pipistrelle	Pipistrellus tenuis	С	1, 2	Bluebull	Boselaphus tragocamelus	С	1
Asiatic Greater Yellow House	Scotophillus heathii	UC	1, 2	Indian Gazelle	Gazella bennetti	UC	1
Bat	,			Four-horned Antelope	Tetracerus quadricornis	UC	1
Asiatic Lesser Yellow House	Scotophillus kuhlii	UC	1, 2		,		
Bat	,		-	Pholidota			
Primates				Manidae Indian Pangolin	Manis crassicaudata	0	3
				Indian Pangolin	ıvıaı iis ui assilauudla	U	J
Cercopithecidae Phosus Macaguo	Macaca mulatta	C	1	Rodentia			
Rhesus Macaque	Macaca mulatta	С	1	<u>Sciuridae</u>			
Bonnet Macaque	Macaca radiata	С	1	Indian (Three-striped) Palm	Funambulus palmarum	С	1
Common (Hanuman) Langur	Semnopithecus entellus	С	1	Squirrel	•		
				Northern (Five-striped) Palm	Funambulus pennantii	С	1

Common name	Scientific name	Abn	Rem
Squirrel Indian Giant Squirrel	Ratufa indica	С	1
Muridae Indian Gerbill Indian Bush Rat Soft-furred Field Rat Brown Rat House Rat House Mouse Little Indian Field Mouse Lesser Bandicoot-rat Greater Bandicoot-rat	Tatera indica Golunda ellioti Millardia meltada Rattus norvegicus Rattus rattus Mus musculus Mus booduga Bandicota bengalensis Bandicota indica	UC C C C C C C	1 1 1 1 1 1 1
Hystricidae Indian Crested Porcupine	Hystrix indica	С	1
Lagomorpha Leporidae Indian Hare	Lepus nigricollis	С	1

Abn- Abundance; Rem - Remarks

C - Common; UC - Uncommon; O - Occasional; R - Rare;

1 - Species sighted or recorded to occur in Nallamala Hills during the study;

Common names also follow Nameer (1998).

Table 2. Avifaunal diversity of the Nallamala Hills, Eastern Ghats

Common namo	Scientific name	Λhn	Status		
Common name	Scientific name	Abn	Status		
Podicipitiformes Podicpedidae Little Grebe	Tachybaptus ruficollis* (5)	С	Res, Br		
Pelecaniformes Phalacrocoracidae Great Cormorant Indian Cormorant	Phalacrocorax carbo (26) Phalacrocorax fuscicollis (27)	R O	SLM SLM		
Little Cormorant Darter	Phalacrocorax niger (28) Anhinga rufa (29)	U C O	Res, Br SLM		
Ciconiiformes Ardeidae					
Grey Heron Purple Heron	Ardea cinerea (35) Ardea purpurea (37)	C C	LM, Br LM, Br?		
Indian Pond-Heron	Ardeola grayii* (42)	C	Res, Br		
Cattle Egret	Bubulcus ibis (44)	C	Res, Br		
Great Egret	Casmerodius albus (45)	UC	Res?		
Intermediate Egret	Mesophoyx intermedia (47)	C	Res?		
Little Egret	Egretta garzetta (49)	C	Res, Br		
Black-crowned Night- Heron	Nycticorax nycticorax (52)	С	Res, Br		
Cinnamon Bittern	Ixobrychus cinnamomeus (56)	UC	Res, Br?		
Yellow Bittern	Ixobrychus sinensis (57)	UC	Res, Br?		
<u>Ciconiidae</u>					
Painted Stork	Mycteria leucocephala (60)	С	SLM		
Asian Open-billed Stork	Anastomus oscitans (61)	С	Res, Br		
White-necked Stork	Ciconia episcopus (62)	0	SLM		
White Stork	Ciconia ciconia (63)	0	WM		
<u>Threskiornithidae</u> Asian White Ibis	Threskiornis melanocephalus* (69)	0	SLM		
Black Ibis	Pseudibis papillosa (70)	UC	Res, Br?		
Eurasian Spoonbill	Platalea leucorodia (72)	UC	SLM		
Anseriformes					
Anatidae Bar-headed Goose	Anser indicus (82)	0	WM		
Ruddy Shelduck	Tadorna ferruginea (90)	UC	WM		
Northern Pintail	Anas acuta (93)	C	WM		
Common Teal	Anas crecca (94)	C	WM		
Spot-billed Duck	Anas poecilorhyncha* (97)	C	Res, Br		
Gadwall	Anas strepera (101)	ÜC	WM		
Eurasian Wigeon	Anas penelope (103)	0	WM		
Garganey	Anas querquedula (104)	UC	WM		
Northern Shoveller	Anas clypeata (105)	UC	WM		
Red-crested Pochard	Rhodonessa rufina (107)	UC	WM		
Common Pochard	Aythya ferina (108)	UC	WM		
Tufted Pochard	Aythya fuligula (111)	R	WM		
Cotton Pygmy-Goose	Nettapus coromandelianus (114)	С	Res, Br		
Comb Duck	Sarkidiornis melanotos* (115)	0	SLM		
<u>Dendrocygnidae</u> Lesser Whistling Duck	Dendrocygna javanica* (88)	С	Res, Br		

^{1, 2 -} Species that were collected or recorded by earlier workers (especially the chiropterans); 1, 3 - Species that were reported to occur, not sighted during the present survey, but indirect evidence observed; 3 - Species reported to occur by reliable source, not recorded during the present study.

Black Kile Milvus migrans* (133) C Res, Br Sharhiny Kite Hallastur indus* (135) C Res, Br Shilira Accipiter bradius* (138) C Res, Br Accipiter bradius* (144) R V White-eyed Buzzard Buleo rufinus (153) O V White-eyed Buzzard Buleo rufinus (153) C Res, Br Accipiter bradius* (161) C Res, Br Spizaetus cirrhatus* (161) C Res, Br Agulla capax* (168) C Res, Br Agulla capax* (168) C Res, Br Grater Spotted Eagle Greater Grey-headed Individual chioropus (347) C Res, Br Charadriformes Long-billed Vulture Gyps indicus* (189) U C LM Br? Charadrilade White-backed Vulture Gyps indicus* (185) U C LM Br? Charadrilade White-backed Vulture Regultariare Circus meanourus* (190) U C WM Uture Regultariare Circus meanourus* (190) U C WM Eurasian Marsh Harrier Chrested Serpent-Eagle Crested Falcon Falco peregrinus* (211) O Res? Pandion haliaetus* (203) U C Res, Br? Agullon haliaetus* (203) U C Res, Br? Pandion haliaetus* (204) C WM Each-eaded Falcon Falco chicquera* (219) O WM Common Green Shank Tringa actipata (396) U C WM Galliformes Salprandiis* (397) U C WM Galliformes Salpr	/ VM SLM
Black shouldered Kile Clanus caeruleus (124) C Res, Br	VMM SLM / Res, Br
Oriental Honey Buzzard Black Kile	VMM SLM / Res, Br
Black Kitle Milvus migrans* (133) C Res, Br Brahminy Kite Haliastur indus* (135) C Res, Br Shikra Accipiter badius* (138) C Res, Br Crested Goshawk Accipiter trivirgatus* (144) R V White-breasted Waterhen Amauromis akool (342) O V White-breasted Waterhen Amauromis phoenicurus* (343) C Res, Br White-breasted Waterhen Amauromis phoenicurus* (343) C Res, Br Waterocok Gallicrex cinerea (346) R R Common Moorhen Gallinula chloropus* (347) C R R White-breasted Waterhen Amauromis phoenicurus* (343) C R R R Waterocok Gallicrex cinerea (346) R R R Common Moorhen Gallinula chloropus* (347) C R R Puple Swamphen Porphyrio porphyrio (349) C R R R Quilla rapax* (168) C Res, Br Cereater Grey-headed Planture Aguilla canaga (170) R V Lhihyophaga ichtyaetus* (175) R V Preaded Vulture Gyps indicus* (182) U C LM Eng-billed Vulture Gyps indicus* (182) U C LM Engyblian Vulture Meophron percnopterus* (187) U C Res, Br? Circus macrourus* (190) U C WM Ulture Pried Harrier Circus melanoteucos* (192) U C WM Erested Serpent-Eagle Crested Serpent-Eagle Spilornis cheela (196) U C Res, Br? Pandion haliaetus* (203) U C Res, Br? Pandion haliaetus* (203) U C Res, Br? Pandion haliaetus* (203) U C Res, Br? Pandion haliaetus* (204) U C WM Engerine Falcon Falco peregrinus* (211) C Res, Br? Common Green Shank Tringa actinations* (397) U C WM Gerbasianidae Phasianidae Francolinus prodicerianus* C Res, Br Gallinago gallinago stenura* (406) U C WM Gostandiper Tringa actinations* (407) U C WM Gostandiper Tringa actinations* (407) U C WM Gostandiper Tringa actinations* (407) U C WM Gostandiper Tringa a	GLM / Res, Br
Brahminy Kite Hallastur indus" (135) C Res. Br Shikara Accipiter trivingatus (148) C Res. Br Crested Goshawk Long-legged Buzzard White-eyed Buzzard White-eyed Buzzard White-eyed Buzzard Brain (153) O V C Res. Br Changeable Hawk-Eagle Greater Spotted Eagle Greater Spotted Eagle Red-headed Fishe-Eagle Red-headed Vulture Gyps indicus" (182) U C LM Indian White-backed Vulture Gyps bengalensis" (188) U C LM Brown Crake Amauromis akool (342) O V Walterbeas Res. Br Common Moorhen Gallindus chioropus (347) C Res. Br Common Moorhen Gallindus chioropus (347) C Res. Br Common Coot Fulica atra (350) C Res. Br Common Res. Br Common Policius (170) C Res. Br Common Res. Br	Res, Br Res, Br Res, Br Res, Br Res, Br Res, Br Res, Br Res, Br Res, Br Res, Br
Shika Scriete Goshawk Accipiter badius" (138) C Res, Br Crested Goshawk Accipiter hadius" (138) C Res, Br Crested Goshawk Accipiter hadius" (138) C Res, Br Changed Buzzard White-breasted Waterhen Amauromis phoenicurus (343) C R Wateroock Gallicrex cinerea (346) R R R Changeable Hawk-Eagle Player ordinus (165) C Res, Br Splizaeus cirrhatus (161) C Res, Br Greater Spotted Eagle Greater Grey-headed Fish-Eagle Greater Grey-headed Vulture Greater Grey-headed Vulture Gyps indicus" (182) U C LM Br? Charadrilidae Wulture Gyps indicus" (182) U C LM, Br? Charadrilidae Wulture Gyps bengalensis" (185) U C LM, Br? Pleid Harrier Circus macroruus (190) U C WM Eurasian Marsh Harrier Short-loed Snake-Eagle Cycrested Serpent-Eagle Osprey Pandion haliaetus (203) U C Res, Br? Pandion haliaetus (203) U C Res, Br? Pandion haliaetus (203) U C Res, Br? Pandion haliaetus (204) C Res, Br? Calliformes Sulting a Common Green Shank G	Res, Br Res? Res, Br Res, Br Res, Br Res, Br Res, Br Res, Br Res, Br Res, Br
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Long-legged Buzzard White-eyed Buzzard White-eyed Buzzard White-eyed Buzzard White-eyed Buzzard White-eyed Buzzard White-eyed Buzzard Buzzard Buzzard Buzzard Subuzzard Buzzard Subuzzard Buzzard Subuzzard Suzzard Su	Res, Br Res, Br Res, Br Res, Br Res, Br Res, Br Res, Br Res, Br Res, Br
While-eyed Buzzard	Res, Br Res, Br Res, Br Res, Br Res, Br Res, Br Res, Br
Changeable Hawk-Eagle Tawny Eagle Tawny Eagle Tawny Eagle Tawny Eagle Tawny Eagle Tawny Eagle Aquila rapax (168) C Res, Br? Greater Spotted Eagle Greater Grey-headed Fish-Eagle Red-headed Vulture Compon Coot Gyps indicus* (178) Vulture Egyptian Vulture Egyptian Vulture Flaiconidae Circus macrourus (190) Circus macrourus (190) Circus aeruginosus (193) Circus aeruginosus (193) Circus aeruginosus (193) Circus dela (196) Circus macrourus (190) Circus aeruginosus (193) Circus aeruginosus (193) Circus aeruginosus (193) Circus dela (196) Circus macrourus (190) Circus macrour	Res, Br Res, Br Res, Br Res, Br Res, Br Res, Br?
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Greater Spotted Eagle Greater Grey-headed Ichthyophaga ichyaetus (175) Indian White-backed Vulture Syptian Vulture Supptian Vulture Regyptian Vulture Regyptian Vulture Regyptian Vulture Registed Serpent-Eagle Criccus aeruginosus (193) Crested Serpent-Eagle Spotimolae Spotimolae Red-headed Falcon Falco pregrinus (211) Regyptian Valeur Red-headed Falcon Falco pregrinus (211) Regyptian Valeur Red-headed Falcon Falco pregrinus (211) Regyptian Valeur Red-wattled Lapwing Regyptian Valeur Red-wattled Lapwing Vanellus indicus (359) Red-wattled Lapwing Vanellus indicus (366) Red-wattled Lapwing Vanellus malabaricus (370) Crested Serpent-Eagle Crested Serpent-Eagle Spoilornis cheela (196) Res? Spoilornis cheela (196) Res? Spotted Redshank Red-headed Falcon Red-headed	Res, Br Res, Br Res, Br Res, Br?
Greater Grey-headed Fish-Eagle Red-headed Vulture Sarcogyps calvus* (178)	Res, Br Res, Br Res, Br Res, Br?
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Vulture Red-wattled Lapwing Vanellus indicus* (366) C Red-wattled Lapwing Vanellus indicus* (370) C Red-wattled Lapwing Vanellus malabaricus* (370) C Red-wattled Lapwing Vanellus fide Lapwing Vanelus fide Lapwing Vanelus fide Vanelus fide Lapwing Vanelus fide Lapwing Vanelus fide Vanelus fide Lapwing Vanelus fide Lapwing Vanelus fide Lapwing V	Res, Br Res, Br?
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Phasianidae Painted Francolin Francolinus pictus* (241) Grey Francolin Francolinus pondicerianus* (246) Common Quail Common Snipe Gallinago gallinago (409) Limnocryptes minimus (410) R V Little Stint Calidris minuta (416) C W Temminck's Stint Calidris temminckii (417) U C W Black-winged Stilt Himantopus himantopus (430) C Si	
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Common Quail Coturnix coturnix (250) U C Res, Br? Black-winged Stilt Himantopus himantopus (430) C Sl	VM
ooninion Quali ootaniix (200) oo 100, Di	SLM
Train each Column coordinate (252) Column coordinate (,
Blue-breasted Quail Coturnix chinensis (253) U.C. Res, Br? Jungle Bush-Quail Perdicula asiatica (255) C. Res, Br. Stone Curley Burbinus pedicnemus (436) C. Res	
Citatio dation Dairinias codicionas (166)	Res, Br
	Res?
Tained Spanowi Ganoperals landata (270) GC 1993.	Res, B?
Grey Jungletown Gallus Soft Heratil (301) C (165, D)	,
	Res?
Gruiformes Turnicidae Laridae	
Small Bustardquail Turnix sylvatica (313) C Res, Br Brown-headed Gull Larus brunnicephalus (454) U.C. W	VΜ
Yellow-legged Buttonguail Turnix tanki (314) LLC Res Br Whiskered Tern Chlidonias hybridus (458) C W	VΜ
TCHOW-ICCOCCU DULLO INCOLUTION IN TAILING TAILING TO THE TOTAL THE TOTAL TO THE TOTAL THE TOTAL TO THE TOTAL THE TOTAL TO THE TOTAL TOT	Res, Br?
Barred Bustardquail Turnix suscitator* (318) C Res, Br Black-bellied Tem Sterna acuticauda (470) U.C. Sl	SLM
<u>Gruidae</u> Columbiformes	
Common Crane Grus grus (320) R V Pteroclididae	
Indian Sandgrouse Pterocles exustus (487) U.C. Si	
Painted Sandgrouse Pterocles indicus (492) U.C. Sl	SLM

Common name	Scientific name	Abn	Status	Common name	Scientific name	Abn	Status
<u>Columbidae</u>				Asian Palm-Swift	Cypsiurus balasiensis (707)	С	Res, Br
Yellow-legged Green	Treron phoenicoptera* (504)	С	Res, Br	<u>Hemiprocnidae</u>			
Pigeon				Crested Tree-swift	Hemiprocne coronata (709)	С	Res, Br
Green Imperial-Pigeon	Ducula aenea* (507)	С	Res, Br	Clesied Hee-swiit	пениргоспе согоната (104)	C	Res, Di
	Columba livia* (517)	С	Res, Br	Coraciiformes			
	Streptopelia orientalis (533)	ÜC	Res, Br?	<u>Alcedinidae</u>			
	Streptopelia decaocto* (534)	C	Res, Br	Small Blue Kingfisher	Alcedo atthis (723)	С	Res, Br
	Streptopelia tranquebarica	C	Res, Br	· ·	, ,		
	(535)	0	1103, 101	<u>Cerylidae</u>	0 / " (710)	^	D D
	Streptopelia chinensis* (537)	С	Res, Br	Lesser Pied Kingfisher	Ceryle rudis (719)	С	Res, Br
	Streptopelia senegalensis*	C	Res, Br	Dacelonidae			
		C	Kes, bi	Stork-billed Kingfisher	Halcyon capensis (730)	UC	Res, Br?
	(541) Chalaanhana indiaa (542)	C	Dog Dr	White-throated Kingfisher	Halcyon smyrnensis (735)	С	Res, Br
Emerald Dove	Chalcophaps indica (542)	С	Res, Br	ű	rialoyerramymensia (100)	Ü	1105, 51
Psittaciformes				<u>Meropidae</u>			
<u>Psittacidae</u>				Chestnutheaded	Merops leschenaultii (744)	UC	Res, Br?
	Psittacula eupatria* (545)	UC	Res, Br?	Bee-eater			
	Psittacula krameri* (550)	C	Res, Br	Blue-tailed Bee-eater	Merops philippinus (748)	UC	WM
	Psittacula cyanocepahala*	C	Res, Br	Green Bee-eater	Merops orientalis* (750)	С	Res, Br
	(558)	O	IXCS, DI	Blue-bearded Bee-eater	Nyctyornis athertoni (753)	UC	Res, Br?
	(330)			0	, ,		
Cuculiformes				<u>Coraciidae</u>	0 ' ' * /755	^	D D
<u>Cuculidae</u>				Indian Roller	Coracias benghalensis* (755)		Res, Br
Pied Cuckoo	Clamator jacobinus* (570)	С	Res, Br?	<u>Upupidae</u>			
Indian Hawk-Cuckoo	Hierococcyx varius* (573)	С	Res, Br	Common Hoopoe	<i>Up</i> upa epops* (763)	С	Res, Br
	Cuculus micropterus (576)	UC	Res, Br?	· ·	орара ороро (700)	Ü	1103, 21
	Cacomantis passerinus* (584)		Res, Br	<u>Bucerotridae</u>			
	Eudynamys scolopacea* (590)		Res, Br	Indian Grey Hornbill	Ocyceros birostris* (767)	С	Res, Br
	Phaenicophaeus viridirostris*	C	Res, Br	Indian Pied Hornbill	Anthracoceros coronatus (775)	R	Res?
	(595)	0	1103, 101	Piciformes			
	Phaenicophaeus leshenaultii	UC	Res, Br	Capitonidae			
	(598)	00	IXC3, DI	Brown-headed Barbet	Megalaima zeylanica* (780)	С	Res, Br
	Centropus sinensis* (602)	С	Res, Br			С	
Greater Coucai	Certifopus sirierisis (002)	C	IXC3, DI	Coppersmith Barbet	Megalaima haemacephala*	C	Res, Br
Strigiformes					(792)		
<u>Strigidae</u>				<u>Picidae</u>			
Eurasian Collared	Otus bakkamoena* (622)	UC	Res, Br?	Eurasian Wryneck	Jynx torquilla (796)	UC	WM
Scops-Owl				Streak-throated	Picus xanthopygaeus (808)	UC	Res?
	Bubo bubo (627)	С	Res, Br	Woodpecker			
	Ketupa zeylonensis (631)	UC	Res, Br	Lesser Yellow-naped	Picus chlorolophus (816)	UC	Res, Br?
	Glaucidium radiatum* (636)	С	Res, Br	Woodpecker	r rous orner oropinus (e ro)	00	1103, 21.
	Ninox scutulata (642)	ÜC	Res, Br?	Black-rumped Flame-	Dinopium benghalense* (819)	С	Res, Br
	Athene brama* (652)	C	Res, Br	backed Woodpecker	Diriopidi i Deriginalerise (017)	C	IXC3, DI
	Strix ocellata (657)	ÜC	Res, Br?	Yellow-crowned	Dandracanas mahrattansis*	C	Doc Pr
	Strix leptogrammica (660)				Dendrocopos mahrattensis*	С	Res, Br
		UC	Res, Br?	Woodpecker	(847)	0	D D-
Short-eared Owl	Asio flammeus (664)	R	WM	Brown-capped	Dendrocopos nanus* (852)	С	Res, Br
<u>Tytonidae</u>				Woodpecker	0, , , , , , , , , , , ,		
	Tyto alba (606)	UC	Res, Br?	Black-shouldered	Chrysocolaptes festivus (858)	UC	Res, Br?
	, , , , , ,			Woodpecker			
Caprimulgiformes				Passeriformes			
<u>Caprimulgidae</u>				Pitidae			
	Caprimulgus indicus (671)	С	Res, Br	Indian Pitta	Pitta brachyura* (867)	UC	WM
	Caprimulgus atripennis (676)	0	Res?	mulant illa	т на втавтуша (001)	UC	VVIVI
Indian Nightjar		С	Res, Br	<u>Alaudidae</u>			
maiammignigai	Caprimulgus asiaticus* (680)	•					
0 ,	Caprimulgus asiaticus* (680)	Ü		Madras Bush Lark	Mirafra affinis* (874)	UC	Res, Br
Apodiformes	Caprimulgus asiaticus* (680)					U C U C	
Apodiformes Apodidae				Red-winged Bush-Lark	Mirafra erythroptera (877)		Res, Br?
Apodiformes Apodidae Alpine Swift	Caprimulgus asiaticus* (680) Tachymarptis melba (693) Apus affinis* (703)	UC C	SLM Res, Br			UC	

Common name	Scientific name	Abn	Status	Common name	Scientific name	Abn	Status
Rufous-tailed Lark	Ammomanes phoenicurus	С	Res, Br	Pycnonotidae			
	(882)			Red-whiskered Bulbul	Pycnonotus jacosus (1121)	0	SLM
Greater Short-toed Lark	Calandrella brachydactyla (886)R	WM	Red-vented Bulbul	Pycnonotus cafer* (1128)	С	Res, Br
Sykes's Lark	Galerida deva (902)	Ć.	Res, Br	Yellow-throated Bulbul	Pycnonotus xantholaemus	0	Res, Br?
Eastern Skylark	Alauda gulgula (907)	С	Res, Br		(1135)		
•	3 3 . ,			White-browed Bulbul	Pycnonotus luteolus (1138)	С	Res, Br
Hirundinidae	1 lbm and a constant (01.4)	0	D2	Yellow-browed Bulbul	lole indica (1144)	R	SLM
Dusky Crag-Martin	Hirundo concolor (914)	С	Res?		, ,		
Barn Swallow	Hirundo rustica* (916)	С	WM	<u>Cisticolidae</u>	Ciatiania iumaidia* (1400)	0	Doo Dr
Wire-tailed Swallow	Hirundo smithii (921)	UC	SLM	Zitting Cisticola	Cisticola juncidis* (1498)	С	Res, Br
Streak-throated Swallow	Hirundo fluvicola (922)	UC	SLM	Grey-breasted Prinia	Prinia hodgsonii* (1503)	С	Res, Br
Red-rumped Swallow	Hirundo daurica* (927)	С	Res, Br	Plain Prinia	Prinia inornata* (1511)	С	Res, Br
<u>Laniidae</u>				Ashy Prinia	Prinia socialis* (1517)	С	Res, Br
Southern Grey Shrike	Lanius meridionalis* (933)	UC	Res?	Jungle Prinia	Prinia sylvatica (1521)	С	Res, Br
Bay-backed Shrike	Lanius vittatus* (940)	С	Res, Br	<u>Muscicapidae</u>			
Long-tailed Shrike	Lanius schach* (947)	С	Res, Br	Spotted Babbler	Pellorneum ruficeps (1154)	UC	Res, Br
Brown Shrike	Lanius cristatus (949)	UC	WM	Indian Scimitar Babbler	Pomatorhinus horsfieldii*	С	Res, Br
	Zamae onetatae (7 17)	0 0		maian comma bassion	(1173)	Ū	1100/ 51
<u>Sturnidae</u>	O			Rufous-bellied Babbler	Dumetia hyperythra* (1222)	С	Res, Br
Chestnut-tailed Starling	Sturnus malabaricus (987)	UC	WM	Yellow-eyed Babbler	Chrysomma sinense* (1231)	C	Res, Br
Brahminy Starling	Sturnus pagodarum* (994)	С	Res, Br	Common Babbler	Turdoides caudatus* (1254)	C	Res, Br
Rosy Starling	Sturnus roseus (996)	С	WM	Large Grey Babbler	Turdoides malcolmi* (1258)	C	Res, Br
Common Starling	Sturnus vulgaris (997)	0	WM	Jungle Babbler	Turdoides striatus* (1262)	С	Res, Br
Common Myna	Acridotheres tristis* (1006)	С	Res, Br	White-headed Babbler	Turdoides affinis* (1267)	C	Res, Br
Jungle Myna	Acridotheres fuscus (1010)	0	Res?	Quaker Babbler	Alcippe poioicephala (1389)	UC	Res?
<u>Corvidae</u>				Brown Flycatcher	Muscicapa dauurica* (1407)	UC	WM
Southeastern Treepie	Dendrocitta vagabunda* (1034)	١.	Res, Br	Brown-breasted			WM
House Crow	Corvus splendens* (1049)	C	Res, Br		Muscicapa muttui* (1408)	0	VVIVI
Jungle Crow	Corvus macrorhynchos* (1057)		Res, Br	Flycatcher	Floodula panya* (1411)	UC	WM
Eurasian Golden Oriole	Oriolus oriolus* (953)	C	Res, Br	Red-breasted Flycatcher	Ficedula parva* (1411)		
Black-naped Oriole	Oriolus chinensis (954)	R	SLM	Little Pied Flycatcher	Ficedula westermanni (1419)	R	V
Black-hooded Oriole	Oriolus xanthornus* (959)	C	Res, Br?	Milette becaused Dive	M	^	10/0/
Black Drongo	Dicrurus macrocercus* (963)	C	Res, Br	White-browed Blue	Muscicapa superciliaris (1421)	U	WM
		UC	WM	Flycatcher	C ! - !!* (1 4 4 2)	^	D D-
Ashy Drongo	Dicrurus leucophaeus* (965)			Tickell's Blue Flycatcher	Cyornis tickelliae* (1442)	С	Res, Br
White-bellied Drongo	Dicrurus caerulescens* (967)	C	Res, Br	Verditer Flycatcher	Eumyias thalassina (1445)	UC	WM
Bronzed Drongo	Dicrurus aeneus (971)	UC	Res, Br?	Grey-headed Flycatcher	Culicicapa ceylonensis (1449)	UC	WM
Spangled Drongo	Dicrurus nortentottus (973)	UC	Res, Br?	White-browed Fantail	Rhipidura aureola* (1452)	С	Res, Br
Greater Racket-tailed	Dicrurus paradiseus (976)	UC	SLM	Flycatcher	D. I. I. III * (4.150)		D D0
Drongo	4-4* (002)	0	D D-0	White-throated Fantail	Rhipidura albicollis* (1458)	UC	Res, Br?
Ashy Wood-swallow	Artamus fuscus* (982)	С	Res, Br?	Flycatcher		_	
Lesser Wood Shrike	Tephrodornis pondicerianus*	С	Res, Br	Paradise Flycatcher	Terpsiphone paradisi* (1461)	С	Res, Br
	(1070)	_	D D	Black-naped Flycatcher	Hypothymis azurea (1465)	UC	Res, Br
Large Cuckoo-Shrike	Coracina macei* (1072)	С	Res, Br	Bluethroat	Luscinia svecicus (1644)	0	WM
Black-headed	Coracina melanoptera* (1079)	С	Res, Br	Oriental Magpie-Robin	Copsychus saularis* (1661)	С	Res, Br
Cuckoo-shrike	5	_		White-rumped Shama	Copsychus malabaricus (1665)		Res?
Scarlet Minivet	Pericrocotus flammeus (1081)		SLM	Black Redstart	Phoenicurus ochruros* (1672)	UC	WM
Small Minivet	Pericrocotus cinnamomeus*	С	Res, Br	Common Stone-chat	Saxicola torquata* (1697)	UC	WM
	(1093)			Pied Bush-chat	Saxicola caprata* (1701)	С	Res, Br?
Whitebellied Minivet	Pericrocotus erythropygius*	0	Res?	Indian Robin	Saxicoloides fulicata* (1719)	С	Res, Br
	(1096)			Blue Rock Thrush	Monticola solitarius (1726)	UC	WM
Irenidae				Orange-headed Thrush	Zoothera citrina (1734)	UC	Res, Br
Common Iora	Aegithinia tiphia* (1099)	С	Res, Br	Eurasian Blackbird	Turdus merula (1753)	UC	SLM
Goldfronted Chloropsis	Chloropsis aurifrons (1104)	C	Res, Br	Cylviidao			
Goldmantled Chloropsis	Chloropsis cochinchinensis*	C	Res, Br	Sylviidae Common Toilorbird	Orthotomus sutarius* (1505)	C	Doc Dr
oolumaniieu onioropsis	•	C	IVE2' DI	Common Tailorbird	Orthotomus sutorius* (1535)	C	Res, Br
	(1107)			Clamorous Reed	Acrocephalus stentoreus	UC	WM
				Warbler	(1550)		

Common name	Scientific name	Abn	Status	Common name	Scientific name	Abn	Status
Blyth's Reed-Warbler	Acrocephalus dumetorum	С	WM	Citrine Wagtail	Motacilla citreola (1881)	R	WM
	(1556)			Grey Wagtail	Motacilla cinerea* (1884)	UC	WM
Booted Warbler	Hippolais caligata (1563)	С	WM	White Wagtail	Motacilla alba (1885)	С	WM
Orphean Warbler	Sylvia hortensis (1565)	0	WM	Large Pied Wagtail	Motacilla maderaspatensis*	С	Res, Br
Lesser Whitethroat	Sylvia curruca (1567)	UC	WM		(1891)		
Hume's Lesser	Sylvia (curruca) althaea (1570)	0	WM	House Sparrow	Passer domesticus* (1938)	С	Res, Br
White-throat				Chestnut-shouldered	Petronia xanthocollis* (1949)	UC	Res, Br
Tickell's Leaf-Warbler	Phylloscopus affinis (1579)	0	WM	Petronia			
Hume's Warbler	Phylloscopus humei (1590)	0	WM	Baya Weaver	Ploceus philippinus* (1957)	С	Res, Br
Large-billed Leaf-Warbler	Phylloscpus magnirostris*	UC	WM	Plain Munia	Lonchura malabarica* (1966)	С	Res, Br
	(1601)			White-rumped Munia	Lonchura striata (1968)	UC	Res, Br
Greenish Warbler	Phylloscopus trochiloides	UC	WM	Scaly-breasted Munia	Lonchura punctulata* (1974)	С	Res, Br
	(1604)			Black-headed Munia	Lonchura malacca (1978)	UC	Res, Br
Western Crowned Leaf Warbler	Phylloscopus occipitalis (1606)	0 (WM	<u>Nectariniidae</u>			
vvarbiei				Thick-billed Flowerpecker	Dicaeum agile* (1892)	С	Res, Br
<u>Paridae</u>				Tickell's Flowerpecker	Dicaeum erythrorhynchos*	С	Res, Br
Great Tit	Parus major* (1795)	С	Res, Br		(1899)		
Yellow-lored Yellow Tit	Parus xanthogenys* (1810)	С	Res, Br	Purple-rumped Sunbird	Nectarinia zeylonica* (1907)	С	Res, Br
Sittidae				Loten's Sunbird	Nectarinia lotenia (1911)	UC	Res, Br?
Velvet-fronted Nuthatch	Sitta frontalis* (1838)	UC	Res, Br?	Purple Sunbird	Nectarinia asiatica* (1917)	С	Res, Br
Passeridae	, ,			Zosteropidae			
Olive-backed Pipit	Anthus hodgsoni (1852)	0	WM	Oriental White-eye	Zosterops palpebrosus* (1934)) C	Res, Br
Tree Pipit	Anthus trivialis (1854)	UC	WM				
Paddyfield Pipit	Anthus rufulus (1859)	UC	Res. Br?	Abn- Abundance			
Tawny Pipit	Anthus campestris* (1861)	0	WM		nmon; O - Occasional; R - Rare	١	
Blyth's Pipit	Anthus godlewskii (1863)	0	WM		eding; SLM - Seasonal Local N		· IM Local
Forest Wagtail	Dendronanthus indica* (1874)	0	WM		ant; V - Vagrant; ? - Probable sta		, Livi - Locai
Yellow Wagtail	Motacilla flava (1875, 1876)	UC	WM		anı, v - vayranı, ? - Frobable sta àlim Ali during Hyderabad State C		onical Survey
r cilow waytali	wotacilia liava (1075, 1070)		VVIVI		heses are Synopsis reference nun		
				1701 02, Hambers in parent	neses are symposis reference han	I IDOI OI	(1702).