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INDIA: Suspected foot and mouth hits endangered ox

Source: Copyright 2002, New Scientist / Date: 5/29/2002

A suspected outbreak of foot and mouth disease in a national park in India is killing gaur, wildlife officials say. The wild ox is listed as vulnerable by the International Union for the Conservation of Nature. Earlier in 2002, it was cloned, as part of a programme to "preserve" endangered species.

"We have learnt of an ongoing outbreak, suspected to be FMD, affecting wildlife populations, especially gaur, in Nawegaon National Park in Maharashtra," Anand Ramanathan of the Wildlife Trust of India told an infectious diseases mailing list. "Forest department sources have informed us that about 25 gaur have died in the past three months. Biological samples have been collected and sent to various laboratories for confirmation of FMD."

Villages on the outskirts of the park have reported a recent outbreak of food and mouth disease in cattle, the Trust says. Cattle-transmitted diseases are the prime cause of death in free-ranging gaur.

The animals are native to the mountainous regions of southeast Asia and India. An estimated 10,000 remain in India, out of a total population of fewer than 30,000. The Nawegaon park is considered prime habitat for gaurs and tigers.

Preventative measures

FMD is highly contagious, and is endemic in India. The Wildlife Trust of India says it fears many more gaurs may die unless the disease is immediately identified and preventative measures are taken.

"Surprisingly, gaur is the only hoofstock reported to be affected during this outbreak," adds Ramanathan. "The national park is also a refuge for sambar, spotted deer, nilgai and a host of other ungulates, which apparently have not shown signs of the disease."

In January, a team at Advanced Cell Technology in Massachusetts announced the birth,

Update 23



VIDARBHA NATURE CONSERVATION SOCIETY विदर्भ निसर्ग संरक्षण संस्था

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Date: 28/10/99

1) Navegaon National Park- ideal tiger habitat ruined

"Vidarbha Nature Conservation Society has completed task of the ecological assessment of Nawegaon National Park (Dist Bhandara, state of Maharashtra). Last tiger of this protected area was poisoned to death on 24/12/1998. People staying in and around this PA requested the case of wildlife poaching particularly Panther, Gaur and Sambar. Body parts of wild animals are being struggled to other parts of India through Madhyapradesh. VNCS conducted workshop of people & managers of this protected area. People's apathy & total failure of administration ruined the ecological status of this park. Poaching, illicit tree felling by mafias has posed grave threat to the survival of this PA. Once upon a time hardly 15 years back this PA was famous as the ideal tiger - habitat".

2) Young Environmentalist - Environment Education movement of VNCS

Vidarbha Nature Conservation Society has launched environmental education programme for the youths staying in and around three major protected areas of Vidarbha, Navegaon National Park, Pench Tiger Reserve & Tadoba-Andhari Tiger Reserve. We are conducting 20 environmental camp of 4 days duration each with participation of 1000 youths. This activity would create awareness among youth about conservation of natural resources & protection of the biodiversity of PAs. VNCS would has planned long term fallow up programme to involve motivated youths in joint forest & protected area management. Response of the youths is over whelming in the direction of generation of their awareness in conservation of biodiversity and joint protected area management programme. VNCS is doing pioneering work in building cadre of young environmentalist and creating issue based programme to protect integrity of PA & the right of the livelihood of local community.

3) PARYAVARAN BACHAO YATRA

Vidarbha Paryavaran Parishad Samanvay Sammittee in collaboration with Vidarbha Lock Vikas Manch & other organisation organisation Paryavaran Bachao Yatra from 21st to 30th October 1999. This yatra started from Lekha-Mendha village of Gadchiroli district on 21st October and would conclude at Chandrapur on 30th October 1999. Nearest 25 motivated environmentalist participated in this yatra & they are travelling on bicycle covering 28 villages. They are arranging meeting with villagers, display of posters folk-dances, street plays to make people aware about environmental problems & remedial measures. Special emphasis will be laid on motivating village to participate in joint forest management programme"

Contact: Dilip Gode, Secretary

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Dear Ashish,

Please use above-mentioned information for your newsletter.

With kind regards

Your Sincerely

Dilip Gode
Hon. Secretary

1/11/99

To, Mr. Ashish Kothari
Pune

P.S. Please note an e-mail address.

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“Ecological assessment of Navegaon National Park Dist.: Bhandara”

Some observations / conclusions based on interviews with Forest Staff, other Government Officials, villagers, Panchayat Members and NGOs are as follows:

- Total failure of PA administration.
- No posting of responsible officer like Asst. Conservator of Forest and Range Forest Officer for a long period. Hence, no control over administration of PA.
- Inadequate staff.
- No action in cases of forest offences registered by lower staff. No action has been initiated by the higher officials of forest dept. against culprits found guilty in cases of attack on forest staff. This has resulted into demoralization of staff.
- Anti poaching squad is not patrolling in PA. Squad lacks vehicle.
- The only jeep of this PA is not in working condition,
- Checkpoints are not repaired for a long time and therefore, CHOWKIDARS are not willing to stay there.
- Gatekeepers are found present only during 8 AM to 4 PM. After which most of the gates are found without man.
- No involvement of local community in forest protection.
- State government has not yet approved package of rehabilitation. Delay in processing this matter has lost the faith of people in forest officials. Other departments could not execute schemes of rural development at the villages inside PA. People are angry of this attitude.
- As per the opinion of people, forest staff could not protect this PA. Some of the forest staffers are helping forest offenders.
- No proper census of wild life is being carried out.
- As per the opinion of staff, they can not control forest offenders, as smugglers move in forest in-groups with arms and one or two or few forest guards can not catch them. Some incidences of attack on forest staff have occurred. In their opinion, it is difficult to control activities of offenders engaged in illicit tree/bamboo felling and poaching. It indicates their demoralized state of mind. The PA requires a good controlling officer with adequate staff. It is necessary to arm them.
- Most of the fire watchers are engaged in the houses of officers as maid servants, hence causing problem in pushing more persons in the protection of PA.

CHECKLIST OF BIRDS OF NAVEGAON NATIONAL PARK

Key

FIRST COLUMN	70			Numbers given in the Pictorial Guide by Salim Ali.
SECOND COLUMN (Movements)		R		Resident
			LM	Local Migrant
			M	Migrant
THIRD COLUMN (Abundance)			A	Abundant
			C	Common
			O	Occasional
			U	Un-common

If any new bird is recorded please write to Assistant Conservator of Forests
Navegaon National Park At. Navegaon Dist. Bhandara.

Cover Photo - Sarus Crane by, Bhimsen Dongarwar.

NAVEGAON NATIONAL PARK

This is one of the five national parks that exist at present in Maharashtra state. It is situated in the far east district of Bhandara and covers an area of over 133 sq km. It falls under an Central Deccan Biotic Province with very good dry deciduous forests. It is a unique area with a large aquatic habitat - "Navegaon lake" just on the boundary. The lake, over 300 years old attracts a large number of migratory birds in winter.

The National Park has diverse habitats with moist mixed deciduous patches, riparian areas, bamboo brakes, fruit bearing trees etc. The hills have good growth of bamboo on the slopes and also provide special habitats like caves, cliffs, tableland and valleys. Due to total ban on exploitation the area provides a good thickets and tall trees. It supports carnivores like Tiger, Leopard, Wild dog, Hyena, Wolf along with herbivores like Sambar, Gaur, Barking Deer, Four horned Antelope, Civet, Sloth bear, Pangolin etc. Herpets like Cobra, Python, Kraits, Vipers etc. abound the area. There are also many species of fishes, butterflies and insects.

The area is an ornithologists paradise, with the large lake adjacent to the National Park. The water birds that are seen in the lake are also in the lake are inseparable. There are in all 209 species representing 56 families of birds. Birds of prey abound the protected area and one can see many nestings while moving in the forests. Red jungle fowls are also seen along with the Grey Jungle Fowls. During hot Summer days, one can notice activities of uncommon birds like Shama, Racket tailed drongo, Paradise Flycatcher etc near natural water holes like Badadya, Katethuwa, Bodrai, Madhavzari etc.

The checklist was first prepared by Maruti Chitampalli in 1976 and has been updated by Mr. C.M. Dharankar Sub-DFO Navegaon National Park with the help of Mr. Shrinarayandada Patil of Pauni. It is requested that any additions may kindly be intimated to Park authorities, to further update this list.

- S.S. Misra

IFS

Deputy Conservator of Forests,
(Wildlife) Nagpur.

PODICIPEDIDAE : GREBES

1 Little Grebe	<i>Podiceps ruficollis</i>	5	R	C	पाण्डुवी, टिबुकली
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CORMORANT DARTER

2 Little Cormorant	<i>Phalacrocorax niger</i>	28	R	C	पाणकावळा
3 Indian Shag	<i>Phalacrocorax fuscicollis</i>	27	LM	U	
4 Darter	<i>Anhinga rufa</i>	29	R	C	पाणवा, ढाडर, करोता

ARDEIDAE : HERONS, EGRETS, BITTERN

5 Giant Heron	<i>Ardea goliath</i>	34	-	U	मोठी ढोकरी, कोहकाल
6 Grey Heron	<i>Ardea cinerea</i>	36	R	C	राखी ढोकरी
7 Eastern Purple Heron	<i>Ardea purpurea</i>	37	R	C	जांभळी ढोकरी
8 Pond Heron or Paddy bird	<i>Ardeola grayii</i>	42	R	C	ढोकरी
9 Cattle Egret	<i>Bubulcus ibis</i>	44	R	A	गाय बागळा
10 Large Egret	<i>Egretta alba</i>	46	R	C	मोठा बागळा
11 Little Egret	<i>Egretta garzetta</i>	49	R	C	छोटा पिसारी बागळा
12 Night Heron	<i>Nycticorax nycticorax</i>	52	R	U	रातढोकरी
13 Chestnut Bittern	<i>Ixobrychus cinnamomeus</i>	56	LM	U	लालढोकरी

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CICONIDAE : STORKS

14 Painted stork	<i>Mycteria leucocephala</i>	60	LM	U	चामढोक
15 Openbill Stork	<i>Anastomus oscitans</i>	61	R	C	घोंघल्या फोडा
16 Whitenecked Stork	<i>Ciconia episcopus</i>	62	M	U	पांढ-या मानेचा ढोक
17 Adjutant Stork	<i>Leptoptilos dubius</i>	67	LM	U	चंद्रयाढोक
18 Lesser Adjutant	<i>Leptoptilos javanicus</i>	68	LM	U	ढोक
19 White Ibis	<i>Threskiornis aethiopica</i>	69	R	C	कंकर
20 Black Ibis	<i>Pseudibis papillosa</i>	70	LM	U	काळा अवाक
21 Spoonbill	<i>Platalea leucorodia</i>	72	M	U	चाटू

PHOENICOPTERIDAE :

22 Flamingo	<i>Phoenicopterus roseus</i>	73	LM	U	समुद्रपक्षी
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ANATIDAE : DUCKS, GEESE

23 Barheaded Goose	<i>Anser indicus</i>	82	M	U	राजहंस
24 Lesser Whistling Teal	<i>Dendrocygna javanica</i>	88	R	C	अडई
25 Ruddy Shelduck or Brahminy Duck	<i>Tadorna ferrugi-gonea</i>	90	LM	O	चक्रवाक
26 Pintail	<i>Anas acuta</i>	93	M	A	

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27	Common Teal	Anas crecca	94	M	A	बाडडा
28	Spotbill Duck	Anas poecilorhyncha	97	LM		धनवरबाडडा
29	Mallard	Anas platyrhynchos	100	M	C	
30	Gadwall	Anas strepera	101	M	C	
31	Wigeon	Anas penelope	103	M	O	
32	Garganey	Anas querquedula	104	M	A	
33	Shoveller	Anas clypeata	105	M	A	सरगया
34	Redcrested Pochard	Netta rufina	107	M	A	चिकल्या
35	Common Pochard	Aythya ferina	108	M	C	
36	White-eyed Pochard	Aythya nyroca	109	LM	C	लहान चिकल्या
37	Tufted Duck	Aythya fuligula	111	M	C	काळा बरडा
38	Cotton Teal	Nettapus coromandelianus	114	R	A	वंडकी
39	Nakta Comb Duck	Sarkidiornis melanotos	115	LM	O	नकेर

ACCIPITRIDAE

40	Blackwinged Kite	Elanus caeruleus	124	R	C	कापासी
41	Honey Buzzard	Pernis ptilorhynchus	130	R	O	मनहुडी, घार
42	Pariah Kite	Milvus migrans govinda	133	R		घार
43	Brahminy Kite	Haliastur indus	135	R	O	ब्राम्हणी घार

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44	Migrant Shikra	Accipiter badius cenchroides	137			देवशिक्रा
45	Indian Shikra	Accipiter badius dussumieri	138	R	C	शिक्रा
46	Sparrow Hawk	Accipiter nisus melaschistos	147	M	O	बहिरी ससाणा
47	White Eyed Buzzard Eagle	Butastur teesa	157	R	C	
48	Hodgsons Hawk Eagle	Spizaetus nipalensis	158			
49	Crested Hawk Eagle	Spizaetus cirrhatus	161	R	C	मोरघार
50	Bonellis Eagle	Hieraaetus fasciatus	163			
51	Ringtailed or Pallas's Fishing Eagle	Haliaeetus leucoryphus	174	M	U	मत्सगरुड
52	Greyheaded Fishing Eagle	Icthyophaga ichthyactis	175	R	O	मत्सगरुड
53	Black or King Vulture	Sarcogyps calvus	178			
54	Indian Whitebacked Vulture	Gyps bengalensis	185	R	C	गिधाड
55	White Scavenger Vulture or Pharaoh's chicken	Neophron percnopterus	187	R	O	पांढरे गिधाड
56	Hen Harrier	Circus cyaneus	189	M	U	
57	Pale Harrier	Circus macrourus	190	M	O	
58	Marsh Harrier	Circus aeruginosus	193	M	O	

59	Crested Serpent Eagle	Spilornis cheela	197	R	C	सर्पगहड, मुरयला
60	Osprey	Pandion haliaetus	203	M	U	मोर घार

FALCONIDAE : Falcons

61	Shahin Falcon	Falco peregrinus	211	LM	U	ससाणा
62	Redheaded Merlin	Falco chicquera	219	LM	U	
63	Kestrel	Falco tinnunculus	222	LM	O	नारझिनक

PHASIANIDAE : QUAILS, SPURFOWLS, JUNGLEFOWL, PEAFOWL

64	Painted Partridge	Francolinus pictus	241	R	C	जंगली तितिर
65	Grey Partridge	Francolinus pondicerianus	245	R	C	गाव तितिर, बरडा तितिर
66	Common Grey Quail	Coturnix coturnix	250	R	O	घाघरी, मोठा लावा
67	Blackbreasted or Rain Quail	Coturnix coromandelica	252	R	C	कडाणी लावा
68	Jungle Bush Quail	Perdicula asiatica	255	R	C	शहारे लावा
69	Rock Bush Quail	Perdicula argoundah	261	R	C	
70	Red Spurfowl	Galloperdix spadicea	275	R	C	भेकी कोंबडी, चकोत्री
71	Red Junglefowl	Gallus gallus	299	R	U	तांबडा रानकोंबडा
72	Grey Junglefowl	Gallus sonneratii	301	R	C	राखी रानकोंबडा
73	Common Peafowl	Pavo cristatus	311	R	C	मोर

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TURNICIDAE : L JSTARD-QUAILS

74	Common Bustard-Quail	Turnix suscitator	318	LM	C	गुंडूर लावा
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GRUIDAE : CRANE

75	Sarus Crane	Gous antigone	323	R	O	सारज
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RALLIDAE : COOT

76	Whitebreasted Waterhen	Amauornis phoenicurus	343	R	C	पाणकोंबडी
77	Water Cock or Kora	Gallinula chloropus	346	LM	U	केमकुडी
78	Moorhen	Porphyrio porphyrio	347	R	C	लोगडी
79	Purple Moorhen	Fulica atra	349	R	A	केम
80	Coot		350	M	A	चांदी

JACANIDAE : JACANAS

81	Pheasant-tailed Jacana	Hydrophasianus chirurgus	358	R	A	पियु
82	Bronzewinged Jacana	Metopidius indicus	359	R	C	पाणपियुली

CHARADRIIDAE : PLOVERS

83	Redwattled Lapwing	Vanellus indicus	366	R	C	टिटवी
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84	Yellowwattled Lapwing	Vanellus malabaricus	370	R	O	
85	Little Ringed Plover	Charadrius dubius	380	M	C	छोटी टिटवी

SANDPIPER, SNIPE

86	Red Shank	Tringa totanus	393	M	O	
87	Green Shank	Tringa nebularia	396	M	O	
88	Wood or Spotted Sandpiper	Tringa glareola	398	M	C	लहान पाणलावा
89	Fantail Snipe	Gallinago gallinago	409	M	O	खेकस
90	Painted Snipe	Rostratula benghalensis	429	M	U	पाणलावा

RECURVIROSTRIDAE : STILT

91	Blackwinged Stilt	Himantopus himantopus	430	LM	C	पाणटिलवा, टिलवा
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BURHINIDAE :

92	Stone Curlew	Burhinus oedicnemus	436	R	C	तप्पमोर
93	Great Stone Plover	Esacus magnirostris	437	LM	U	

GLAREOLIDAE : COURSER

94	Indian Courser	Cursorius coromandelicus	440	R	O	धावी
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LARIDAE : GULLS, TERNS

95	Great Blackheaded Gull	Larus ichthyæus	453	M	U	गंगावील
96	Brownheaded Gull	Larus brunnicephalus	454	M	O	लहान गंगावील
97	Indian River Tern	Sterna aurantia	463	LM	C	सरोता

COLUMBIDAE : PIGEON, DOVE

98	Green Pigeon	Treron phoenicoptera	504	R	C	हरियल, हरोळी
99	Blue Rock Pigeon	Columba livia	517	R	C	कबुतर
100	Rufous Turtle Dove	Streptopelia decaocto	534	R		पेटोल कवडी, होला
101	Red Turtle Dove	Streptopelia tranquebarica	535	R	O	गेरवी कवडी, विटकरी कवडी
102	Spotted Dove	Streptopelia chinensis	537	R		चित्रुक कवडी, टिपक्या कवडा
103	Little Brown Dove	Streptopelia senegalensis	541	R	C	भोरी
104	Emerald Dove	Chalcophaps indica	542	R	C	

PARAKEETS

105	Large Alexandrine Parakeet	Psittacula eupatria	545	R	O	करण पोपट
106	Roseringed Parakeet	Psittacula krameri	550	R	C	चत्रा

107 Blossomheaded Parakeet	<i>Psittacula cyanocephala</i>	558	R	C	सवा, पोपट, किर, दुईया पोपट
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CUCULIDAE : CUCKOOS

108 Pied Crested Cuckoo	<i>Clamator jacobinus</i>	570	M	C	चातक
109 Common Hawk-Cuckoo or Brain-fever Bird	<i>Curulus varius</i>	573	R	C	पपिहा
110 Indian Plaintive Cuckoo	<i>Cacomantis passerinus</i>	581			पावस्या
111 Koel	<i>Eudynamis scolopacea</i>	590	R	C	कोकिया
112 Sirkeer Cuckoo	<i>Taccocua leschenaultii</i>	598	R	O	जंगली तोता, कोहकियो
113 Crow-Pheasant or Coucal	<i>Centropus sinnensis</i>	602	R	C	भारद्वाज, कुंभार-कुकडी

STRIGIDAE : OWLS

114 Barn Owl	<i>Tyto alba</i>	606	R	O	पिंजरा
115 Eagle-Owl or Great Horned Owl	<i>Bubo bubo</i>	627	R	C	मोठा घुवड, हुम्या
116 Brown Fish Owl	<i>Bubo zeylonensis</i>	631	R	C	मच्छीमारी घुवड
117 Spotted Owlet	<i>Athene brama</i>	652	R	C	पिंगळा

CAPRIMULGIDAE : NIGHTJARS

118 Indian Jungle Nightjar	<i>Caprimulgus indicus</i>	671	R	C	रातवा, कापू
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119 Common Indian Nightjar	<i>Caprimulgus asiaticus</i>	680	R	C	जाफरी, चपका
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APODIDAE : SWIFTS

120 House Swift	<i>Apus affinis</i>	703	R	C	कन्हई
121 Palm Swift	<i>Cypsiurus parvus</i>	707	R	C	

ALCEDINIDAE : KINGFISHERS

122 Pied Kingfisher	<i>Ceryle rudis</i>	719	R	C	कवडया धीवर, कवडी किलकिला
123 Small Blue Kingfisher	<i>Alcedo atthis</i>	723	R	C	छोटा किलकिला
124 Threetoed Kingfisher	<i>Ceyx erithacus</i>	727	-	U	
125 Storkbilled Kingfisher	<i>Pelargopsis capensis</i>	730	-	U	
126 Whitebreasted kingfisher	<i>Halcyon smyrnensis</i>	736	R	C	खडया
127 Black capped kingfisher	<i>Halcyon pileata</i>	739	-	U	किलकीला

MEROPIDAE : BEE- EATERS

128 Small Green Bee-eater	<i>Merops orientalis</i>	750	LM	C	वेडा राघू, पाणपोपट, पंत्रिगा.
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CURACIIDAE : ROLLER

129 Indian Roller	<i>Coracias benghalensis</i>	755	R	C	टरास, नीळकंड, चास
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UPUPIDAE : Hoopoe

130	Hoopoe	<i>Upupa epops</i>	765	R	C	हुदहुद
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BUCEROTIDAE : HORNBILLS

131	Common Grey Hornbill	<i>Tockus birostris</i>	767	R	C	धनीचडी
132	Great Pied Hornbill	<i>Buceros bicornis</i>	776	U	R	मोडा धनेश

CAPITONIDAE : BARBETS

133	Large Green Barbet	<i>Megalaima zeylanica</i>	780	R	C	कुरुरा
134	Crimsonbreasted Barbet or Coppersmith	<i>Megalaima haemacephala</i>	792			पुकपुकया

PICIDAE : WOODPECKERS

135	Rufous Woodpecker	<i>Micropternus brachyurus</i>	804	R	O	वाढई- पाखरु, सुतार पक्षी
136	Goldenbacked Woodpecker	<i>Dinopium benghalense</i>	819	R	C	सोनपाठी सुतार
137	Yellow Fronted Pied Woodpecker or Mahratta Woodpecker	<i>Picoides mahrattensis</i>	847	R	C	मराठा सुतार वाढई
138	Pigmy Woodpecker	<i>Picoides nanus</i>	852	R	C	छोटा सुतार, छोटा वाढई

PITTIDAE : PITTAS

139	Indian Pitta	<i>Pitta brachyura</i>	867	LM	C	बहिरापाखरु, नवरंग
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ALAUDIDAE : LARKS

140	Ashycrowned Finch-Lark	<i>Eremopterix</i>	878	LM	C	चंडेल, वडींघमणी
141	Small or Eastern Skylark	<i>Alauda gulgula</i>	907	R	C	लहान चंडील

HIRUNDINIDAE : MARTIN, SWALLOWS

142	Crag Martin	<i>Hirundo rupestris</i>	913	LM	C	पंकोळी
143	Eastern Swallow	<i>Hirundo rustica</i>	916	LM	C	काडीवाली
144	Wiredtailed Swallow	<i>Hirundo smithii</i>	921	LM	C	लिरारा

LANIIDAE : SHRIKES

145	Grey Shrike	<i>Lanius excubitor</i>	933	R	O	राखी खाटीक
146	Baybacked Shrike	<i>Lanius vittatus</i>	940	R	C	पोटया, लट्टा
147	Rufousbacked Shrike	<i>Lanius schach</i>	946	R	C	खाटीक, कराई

ORIOLIDAE : ORIOLE

148	Golden Oriole	<i>Oriolus oriolus</i>	953	R	C	हरिद्र हळदया
149	Blackheaded Oriole	<i>Oriolus xanthornus</i>	959	R	C	हळदया पिलक

DICRURIDAE : DRONGOS

150	King Crow or Black Drongo	<i>Dicrurus adsimilis</i>	963	R	A	
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151 Grey or Ashy Drongo	<i>Dicrurus leucophaeus</i>	965	R	U	गोचा, कोतवाल राखी गोचा, राखी कोतवाल
152 Whitebellied Drongo	<i>Dicrurus caeruleus</i>	967	R	C	पांढ-या पोटाचा गोचा (कोतवाल)
153 Large Racket-tailed Drongo	<i>Dicrurus paradiseus</i>	977	R	O	भुंगराज, पल्लवपुच्छकोतवाल

STURNIDAE : MYNAS

154 Greyheaded Myna	<i>Sturnus malabaricus</i>	987	LM	O	राखी डोक्याची मैना
155 Blackheaded Myna or Brahminy Myna	<i>Sturnus pagodarum</i>	994	R	A	चन्ना हुडी, ब्राम्हणी मैना
156 Rosy Pastor or Starling	<i>Sturnus roseus</i>	996	M	O	भोरडी
157 Pied Myna	<i>Sturnus contra</i>	1002	R	C	हुडी मैना
158 Common Myna	<i>Acridotheres tristis</i>	1006	R	C	साळुकी

CORVIDAE : TREE PIE, CROWS

159 Indian Tree Pie	<i>Dendrocitta vagabunda</i>	1031	R	C	भेरा, टक्का चोर
160 House Crow	<i>Corvus splendens</i>	1049	R	C	कावळा
161 Jungle Crow	<i>Corvus marcorhynchos</i>	1057	R	C	डोमकावळा

CAMPEPHAGIDAE : CUCKOO-SHRIKES, MINIVETS

162 Common Wood Shrike	<i>Tephrodornis pondicerianus</i>	1070	R	C	रानखाटीक
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IRENIDAE : IORA, GREEN BULBULS

163 Comon Iora	<i>Aegithina tiphia</i>	1100	R	O	कमका बोदल
164 Goldfronted Chloropsis	<i>Chloropsis aurifrons</i>	1103	R	O	शिरवा बुलबुल
165 Goldmantled Chloropsis	<i>Chloropsis choichinchinensis</i>	1108	R	O	हरेवा

PYCNONOTIDAE : BULBUL cochinchinensis

166 Redvented Bulbul	<i>Pycnonotus cafer</i>	1128	R	A	बुलबुल, पेचडुक
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MUSCICAPIDAE : Timalinae : Babblers

167 Common Babbler	<i>Turdoides caudatus</i>	1254	R	C	खेवा, सातबहिणी, लाडवा
168 Large Grey Babbler	<i>Turdoides malcolmi</i>	1258	R	O	मोठा खेवा
169 Jungle Babbler	<i>Turdoides striatus</i>	1262	R	A	जंगली खेवा

Muscicapinae : FLYCATCHER

170 Tickells Blue Flycatcher	<i>Muscicapa tickelliae</i>	1442	R	C	नीळा नाचण निलीमा
171 Verditer Flycatcher	<i>Muscicapa thalassina</i>	1445	LM	O	नाचण
172 Whitebrowed Fantail Flycatcher	<i>Rhipidura aureola</i>	1452	R	O	

173	Whitespotted Fantail Flycatcher	Rhipidura albicollis	1458	R	O	पांढ-या ठिपक्याचा नाचण
174	Paradise Flycatcher	Terpsiphone paradisi	1461	R	O	शाही बुलबुल
175	Black Naped Blue Flycatcher	Hypothymis azyrea	1465	R	O	

Sylviinae : WARBLERS

176	Streaked Fantail Warbler	Cisticola juncidis	1498	R	O	
177	Plain or Tawny flanked Wren-Warbler	Prinia subflava	1511	R	O	
178	Ashy Wren-Warbler	Prinia socialis	1517	R	C	राखी वटवटया
179	Tailor Bird	Orthotomus sutorius	1535	R	C	शिपी
180	Brown Leaf Warbler or Chiffchaff	Phylloscopus collybita	1574	M	O	

Turdinae : CHATS, THRUSHES

181	Magpie Robin	Copsychus saularis	1661	R	C	सुई, दयाळ
182	Shama	Copsychus malabaricus	1665	R	O	शामा
183	Pied Bush Chat	Saxicola caprata	1701	LM	O	गप्पीदास
184	Indian Robin	Saxicoloides fulicata	1720	R	C	लहान सुई
185	Blueheaded Rock Thrush	Monticola cinclorhynchus	1723	LM	U	कस्तुरा
186	Blue Rock Thrush	Monticola solitarius	1726	LM	O	कस्तुरा

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187	Whitethroated Ground Thrush	Zoothera citrina	1734	R	C	जमिन कस्तुरा
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PARIDAE : TITS

188	Grey Tit	Parus major	1794	R	C	राखी बलगुली
189	Yellowcheeked Tit	Parus xanthogenys	1810	R	O	पिवळ्या गासाची बलगुली

MOTACILLIDAE : PIPIT, Wagtails

190	Indian Pipit or Paddy Field Pipit	Anthus novaeseelandiae	1859	R	C	तीरचिमणी
191	Yellowheaded Wagtail	Motacilla citreola	1883	LM	O	पिवळा धोबी, वरटी पाखर
192	Pied or White Wagtail	Motacilla alba dukhunensis	1885	LM	O	पांढरा धोबी
193	Large Pied Wagtail	Motacilla made, aspatensis	1891	R	C	कवड्या धोबी

DICAEIDAE : FLOWERPECKERS

194	Thickbilled Flowerpecker	Dicaeum agile	1892	R	O	फुल टोचा
195	Tickell's Flowerpecker	Dicaeum crythrorhyncos	1899	R	O	फुल टोचा

NECTARINIDAE : Sunbirds

196	Purple rumped Sunbird	Nectarinia zeylonica	1907	R	O	जांभळ्या शेपटीची लिटकुरी
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197	Small Sunbird	<i>Nectarinia minima</i>	1909	_	U	लहान लिटकुरी
198	Purple Sunbird	<i>Nectarinia asiatica</i>	1917	R	C	जांभळी लिटकुरी
199	Yellowbacked Sunbird	<i>Aethopyga siparaja</i>	1927	_	U	पिवळ्या प्राठीची लिटकुरी

ZOSTEROPIDAE : White-Eye

200	White-eye	<i>Zosterops palpebrosa</i>	1933	R	C	चश्मेवाला
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PLOCEIDAE : Sparrows, Weaver Birds, Munias

201	House Sparrow	<i>Passer domesticus</i>	1938	R	A	चिमणी
202	Yellow throated Sparrow	<i>Petronia xanthocollis</i>	1949	R	A	रानचिमणी
203	Baya or Weaver Bird	<i>Ploceus philippinus</i>	1957	R	O	बाया
204	Blackthroated Weaver Bird	<i>Ploceus benghalensis</i>	1961	_	_	सुग्रण
205	Red Munia or Avadavat	<i>Estrilda amandava</i>	1964	R	O	तांबडी मनोली
206	Green Munia	<i>Estrilda formosa</i>	1965	R	O	हिरवी मनोली
207	Whitethroated Munia	<i>Lonchura malabarica</i>	1966	R	O	पांढ-या कंठाची मनोली
208	Spotted Munia	<i>Lonchura punctulata</i>	1974	R	C	तिलया मनोली
209	Blackheaded Munia	<i>Lonchura malacca</i>	1978	R	O	काळ्या डोक्याची मनोली

By C. M. Dharankar .

महाराष्ट्र मत्स्योद्योग विकास महामंडळ मर्या. नागपूर

८२०५५६२
नोट सिट
धडा



आदेश

Fishes species in Bhandara District.

विषय:-

पिंगाळी डिग

रोडू, सिंगार कलवा

सायरीगड, ग्राहकार (गवारा) क्रीड, ५

२ था किडू प्रश्न

वाम, मरळ, पडन, कडन, सिंगार, वाडीर, पापार, शिंगूर, मांगूर, शमवाडू, मर व मरळ

मायनर:-

मरळ, पडन, मरळ, सिंगार, वाडी, गवारा, शिंगार, पडन, मांगूर, कडन, रोडू

Commercially important

Major carp

Local Major

- 1) *Calla calla* (4) *Cyprinus carpio*
- 2) *Labeo rohita* (5) ~~Grass carp~~
- 3) *Labeo rohita* (6) ~~Silver carp~~
- 4) *Grass carp - Ctenopharyngodon idella*
- 5) *Silver carp - Hypophthalmichthys molitrix*

- 1) वाम - *Mastacembelus armatus*
- 2) मरळ - *Channa marulius*
- 3) कडन - *Mystus cavacicus*
- 4) सिंगार - *Mystus shengbala*
- 5) ~~मरळ~~ - *Wallago attu*
- 6) शिंगूर - *Heteroplimus ~~sp.~~*
- 4) मांगूर - *Clarias batrachus*

Minor

- 1) वाडी - *Labeo bagrut*
- 2)

- 3) काळवाडू - *Labeo calbasu*
- 3) सिहापिडा - *Creechomys macrombicus*

Fishes with Sci Names & Local names

- 1) हाडक्या - *Channa striata*
- 2) बोहरी - " *punctatus*
- 3) कंगन - *Ciridoceras messambica*
- 4) मरुठ - *Channa marulius*
- 5) नाथूर - *Clarius batrachus*
- 6) डुककर - *Nandus Nandus*
- 7) कावे - *Mystus punctatus*
- 8) रेंगसा - *Glassogobius giuris*
- 9) गकी - *Rasbora daniconius*
- 10) चाये - *Xenentodon Cancilla*
- 11) पठण - *Wallago attu*
- 12) पारंजा - *Campak bimaculatus*
- 13) चाम (वाम) - *malacombalus armatus*
- 14) गवक्ष फिश (शामडी) *Ambassis Ranga*
- 15) तंबू - *Anguilla Bengallisis*
- 16) कींग हेड - *Aristichthys Nobilis (Exotic)*
- 17) बोध - *Bagarius bagarius*
- 18) सिंधन - *Heteroptimus fossilus*
- 19) आडन - *Notopterus Notopterus*
- 20) चिलाळा - " *chitala*
- 21) वाडीरा - ~~Is~~ *Tortor*
- 22) साथीप्रनक्ष
Cyprinus - communalis
 " " *specularis*
 " " *Nodus (leather carp.)*

TADOBA ANDHARI TIGER RESERVE CHECKLIST

S.NO	TYPICAL BIRD NAME	SCIENTIFIC NAME		
ORDER : PODICIPITIFORMES				
FAMILY : PODICIPEDIDAE				
1	LITTLE GREBE	<i>Tachybaptus ruficollis</i>	R	C
2	GREAT CRESTED GRABE	<i>Podiceps cristatus</i>	M	U
ORDER : POLOCANIFORMES				
FAMILY : PHALACROCORACIDAE				
3	LARGE CORMORANT	<i>Phalacrocorax carbo</i>	LM	O
4	LITTLE CORMORANT	<i>Phalacrocorax niger</i>	R	C
5	DARTER OR SNAKE BIRD	<i>Anhinga rufa</i>	LM	O
ORDER : CICONIFORMES				
FAMILY : ARDEIDAE				
6	GREY HERON	<i>Ardea cinerea</i>	R	C
7	PURPLE HERON	<i>Ardea purpurea</i>	R	C
8	POND HERON OR PADDYBIRD	<i>Ardeola grayii</i>	R	C
9	CATTLE EGREAT	<i>Bubulcus ibis</i>	R	C
10	LARGE EGRET	<i>Ardea alba</i>	RS	O
11	MEDIAN EGRET	<i>Egretta intermedia</i>	R	C
12	LITTLE EGRET	<i>Egretta garzetta</i>	R	C
13	NIGHT HERON	<i>Nycticorax nycticorax</i>	R	O
14	CHESTNUT BITTERN	<i>Ixobrychus cinnamomeus</i>	R	O
FAMILY : CICONIIDAE				
15	PAINTED STORK	<i>Mycteria leucocephala</i>	LM	O
16	OPENBILL STORK	<i>Anastomus oscitans</i>	LM	C
17	WHITENECKED STORK	<i>Ciconia episcopus</i>	R	C
18	LESSER ADJUTANT STORK	<i>Leptoptilos javanicus</i>	R	O
FAMILY : THRESKIORNITHIDAE				
19	WHITE IBIS	<i>Threskiornis aethiopica</i>	R	C
20	BLACK IBIS	<i>Pseudibis papillosa</i>	R	C
21	SPOONBILL	<i>Plantalea leucorodia</i>	M	O
ORDER : ANSERIFORMES				
FAMILY : ANATIDAE				
22	BARHEADED GOOSE	<i>Anser indicus</i>	M	O
23	LESSER WHISTLING TEAL	<i>Dendrocygna javanica</i>	R	C
24	RUDDY SHELDUCK	<i>Tadorna ferruginea</i>	M	O
25	WHISTLING TEAL	<i>Dendrocygna bicolor</i>	LM	O
26	PINTAIL	<i>Anas acuta</i>	M	C
27	SPOTBILLED DUCK	<i>Anas poecilorhyncha</i>	R	C
28	GADWALL	<i>Anas strepera</i>	M	O
29	WIGEON	<i>Anas penelope</i>	M	C
30	GARGANEY	<i>Anas querquedula</i>	M	C

31	TUFTED POCHARD	<i>Aythya fuligula</i>	M	O
32	SHOVELLER	<i>Anas clypeata</i>	M	O
33	REDCRESTED POCHARD	<i>Netta rufina</i>	M	C
34	COMMON POCHARD	<i>Aythya ferina</i>	M	C
35	WHITE-EYED POCHARD	<i>Aythya nyroca</i>	M	U
36	COTTON TEAL OR QUACKY-DUCK	<i>Nettapus coromandelianus</i>	R	C
37	COMB DUCK OR NAKTA	<i>Sarkidiornis melanotos</i>	R	C

ORDER : FALCONIFORMES

FAMILY : ACCIPITRIDAE

38	BLACKWINGED KITE	<i>Elanus caeruleus</i>	R	C
39	PARIAH KITE	<i>Milvus migrans govinda</i>	R	C
10	BRAHMINY KITE	<i>Haliastur indus</i>	LM	O
41	SHIKRA	<i>Accipiter badius</i>	R	C
42	CRESTED HAWK-EAGLE	<i>Spizaetus cirrhatus cirrhatus</i>	R	C
43	GREYHEADED FISHING EAGLE	<i>Ichthyophaga ichthyaeus</i>	R	C
44	MARSH HARRIER	<i>Circus aeruginosus</i>	M	C
45	CRESTED SERPENT EAGLE	<i>Spilornis cheela</i>	R	C
46	OSPREY	<i>Pandion haliaetus</i>	M	O
47	HONEY BUZZARD	<i>Pernis ptilorhyncus</i>	R	O
48	WHITEEYED BUZZARD EAGLE	<i>Butastur teesa</i>	R	O
49	TOWNY EAGLE	<i>Aquila vindhiana</i>	R	C
50	SPARROW HOWK	<i>Accipiter nisus</i>	M	O

FAMILY : FALCONIDAE

51	KESTREL	<i>Falco tinnunculus</i>	M	O
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ORDER : GALLIFORMES

FAMILY : PHASIANIDAE

52	PAINTED PARTRIDGE	<i>Francolinus pictus</i>	R	O
53	GREY PARTRIDGE	<i>Francolinus pondicerianus</i>	R	C
54	BLACKBREASTED OR RAIN QUAIL	<i>Coturnix coromandelica</i>	R	C
55	JUNGLE BUSH QUAIL	<i>Perdica asiatica</i>	R	C
56	ROCK BUSH QUAIL	<i>Perdica argoondah</i>	R	C
57	RED SPURFOWL	<i>Galloperdix spadicea</i>	R	C
58	GREY JUNGLEFOWL	<i>Gallus sonneratii</i>	R	C
59	RED JUNGLE FOWL	<i>Gallus gallus</i>	R	U
60	COMMON PEAFOWL	<i>Pavo cristatus</i>	R	C

FAMILY : GRUIDE

61	SARUS CRANE	<i>Grus antigone</i>	R	C
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ORDER : GRUIFORMES

FAMILY : RALLIDAE

62	WHITEBREASTED WATERHEN	<i>Amauornis phoenicurus</i>	R	C
63	INDIAN MOORHEN	<i>Gallinula chloropus</i>	R	O
64	PURPLE MOORHEN	<i>Porphyrio porphyrio</i>	R	C
65	COOT	<i>Fulica atra</i>	MR	C
66	BANDED CRACK	<i>Rallina eurizonoides</i>	S	U

ORDER : CHARADRIFORMES

FAMILY : JACANIDAE

67	PHEASANT-TAILED JACANA	<i>Hydrophasianus chirurgus</i>	R	C
68	BRONZEWINGED JACANA	<i>Metopidius indicus</i>	R	C

FAMILY : RECURVIROSTRIDAE

69	BLACKWINGED STILT	<i>Himantopus himantopus</i>	LM	C
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FAMILY : BURHINIDAE

70	STONE CURLEW	<i>Burhinus oedicephalus</i>	R	C
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FAMILY : GLAREOLIDAE

71	SMALL INDIAN PRATINCOLE	<i>Glareola lactea</i>	LM	O
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FAMILY : CHARADRIIDAE

72	REDWATTLED LAPWING	<i>Vanellus indicus</i>	R	C
73	YELLOW WATTLED LAPWING	<i>Vanellus malabaricus</i>	R	C
74	LITTLE RINGED PLOVER	<i>Gharadrius dubius</i>	R	C
75	GREEN SANDPIPER	<i>Tringa ochropus</i>	M	O
76	WOOD SANDPIPER	<i>Reinga glareola</i>	M	C
77	COMMON SANDPIPER	<i>Tringa hypoleucos</i>	M	C
78	MARSH SANDPIPER	<i>Tringa stagnatilis</i>	M	O

ORDER : COLUMBIFORMES

FAMILY : PTEROCLIDIDAE

79	PAINTED SANDGROUSE	<i>Pterocles indicus indicus</i>	R	C
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FAMILY : COLUMBIDAE

80	BLUE ROCK PIGEON	<i>Columba livia</i>	R	C
81	INDIAN RING DOVE	<i>Streptopelia decaocto</i>	R	C
82	RED TURTLE DOVE	<i>Streptopelia tranquebarica</i>	R	C
83	SPOTTED DOVE	<i>Streptopelia chinensis</i>	R	C
84	LITTLE BROWN DOVE	<i>Streptopelia senegalensis</i>	R	C
85	YELLOWLEGGED GREEN PIGEON	<i>Treron phoenicoptera</i>	R	C

ORDER : PSITTACIFORMES

FAMILY : PSITTACIDAE

86	ALEXANDRINE PARAKEET	<i>Psittacula eupatria</i>	R	O
87	ROSERINGED PARAKEET	<i>Psittacula krameri</i>	R	C
88	BLOSSOMHEADED PARAKEET	<i>Psittacula cyanocephala</i>	R	C

ORDER : CUCULIFORMES

FAMILY : CUCULIDAE

89	PIED CRESTED CUCKOO	<i>Clamator jacobinus</i>	BM	C
90	COMMON HOWK CUCKOO	<i>Cuculus varius</i>	R	C
91	INDIAN CUCKOO	<i>Cuculus micropterus</i>	R	C
92	INDIAN PLAINTIVE CUCKOO	<i>Cacomantis passerinus</i>	BM	C
93	KOEL	<i>Eudynamis scolopacea</i>	R	C

94	SIRKEER CUCKOO	<i>Taccocua leschenaultii</i>	R	C
95	CROW-PHEASANT OR COUCAL	<i>Centropus sinensis</i>	R	C
96	URASIATION CUCKOO	<i>Cuculus canorus</i>	BM	C

ORDER : STRIGIFORMES
FAMILY : STRIGIDAE

97	BARN OWL OR SCREECH OWL	<i>Tyto alba</i>	R	C
98	COLLARED SCOPS OWL	<i>Otus bakkamoena</i>	R	C
99	GREAT HORNED OWL	<i>Bubo bubo</i>	R	C
100	BROWN FISH OWL	<i>Bubo zeylonensis</i>	R	C
101	SPOTTED OWLET	<i>Athene brama</i>	R	C

ORDER : CAPRIMULGIFORMES
FAMILY : CAPRIMULGIDAE

102	INDIAN JUNGLE NIGHTJAR	<i>Caprimulgus indicus</i>	R	C
103	COMMON INDIAN NIGHTJAR	<i>Caprimulgus asiaticus</i>	R	C

ORDER : APODOFORMES
FAMILY : APODIDAE

104	HOUSE SWIFT	<i>Apus affinis</i>	R	C
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ORDER : CORACIIFORMES
FAMILY : ALCEDINIDAE

105	LESSER PIED KINGFISHER	<i>Ceryle rudis</i>	R	C
106	COMMON KINGFISHER	<i>Alcedo atthis</i>	R	C
107	STORKBILLED KINGFISHER	<i>Pelargopsis capensis</i>	R	O
108	WHITEBREASTED KINGFISHER	<i>Halcyon smymensis</i>	R	C
109	BLACKCAPED KINGFISHER	<i>Halcyon pileata</i>	LM	U

FAMILY : MEROPIDAE

110	SMALL GREEN BEE-EATER	<i>Merops orientalis</i>	R	C
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FAMILY : CORACIIDAE

111	INDIAN ROLLER	<i>Coracias benghalensis</i>	R	C
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FAMILY : UPUPIDAE

112	HOOPOE	<i>Upupa epops</i>	R	C
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FAMILY : BUCEROTIDAE

113	COMMON GREY HORNBILL	<i>Tockus birostris</i>	R	C
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ORDER : PICIFORMES
FAMILY : CAPITONIDAE

114	LARGE GREEN BARBET	<i>Megalaima zeylanica</i>	R	C
115	CRIMSONBREASTED BARBET	<i>Megalaima haemacephala</i>	R	C

FAMILY : PICIDAE

116	LESSER GOLDENBACKED WOODPACKER	<i>Dinopium benghalense</i>	R	C
117	BLACKBACKED WOODPECKER	<i>Chrysocolaptes festivus</i>	R	O
118	RUFOUS WOODPECKER	<i>Micropternus brachyurus</i>	R	O
119	MARATTA WOODPECKER	<i>Picoides atratus</i>	R	C

ORDER : PASSERIFORMES

FAMILY : PITTIDAE

120	INDIAN PITTA	<i>Pitta brachyura</i>	LM	C
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FAMILY : ALAUDIDAE

121	REDWINGED BUSH LARK	<i>Mirafra erythroptera</i>	R	C
122	ASHYCROWNED FINCH-LARK	<i>Eremopterix grisea</i>	R	C
123	RUFUSTAILED FINCH-LARK	<i>Ammomanes phoenicurus</i>	LM	C
124	CRESTED LARK	<i>Galerida cristata</i>	R	O

FAMILY : HIRUNDINIDAE

125	WIRETAILED SWALLOW	<i>Hirundo smithii</i>	R	C
126	REDRUMPED SWALLOW	<i>Hirundo daurica</i>	R	C

FAMILY : LANIIDAE

127	GREY SHRIKE	<i>Lanius excubitor</i>	R	C
128	BAYBACKED SHRIKE	<i>Lanius vittatus</i>	R	C
129	RUFOSBACKED SHRIKE	<i>Lanius schach</i>	R	C

FAMILY : ORIOLIDAE

130	GOLDEN ORIOLE	<i>Oriolus oriolus</i>	R	C
131	BLACKHEADED ORIOLE	<i>Oriolus xanthornus</i>	R	C

FAMILY : DICRURIDAE

132	WHITEBELLIED DRONGO	<i>Dicrurus caerulescens</i>	R	C
133	RACKET-TAILED DRONGO	<i>Dicrurus paradiseus</i>	R	C
134	BLACK DRONGO OR KING CROW	<i>Dicrurus adsimilis</i>	R	C
135	ASHY DRONGO	<i>Dicrurus leucophaeus</i>	R	O

FAMILY : STURNIDAE

136	GREYHEADED MYNA	<i>Sturnus malabaricus</i>	LM	C
137	BRAHMINY MYNA	<i>Sturnus pagodarum</i>	R	C
138	ROSY PASTOR	<i>Sturnus roseus</i>	M	C
139	PIED MYNA	<i>Sturnus contra</i>	R	C
140	COMMON MYNA	<i>Acridotheres tristis</i>	R	C

FAMILY : CORVIDAE

141	INDIAN TREE PIE	<i>Dendrocitta vagabunda</i>	R	C
142	HOUSE CROW	<i>Corvus splendens</i>	R	C
143	JUNGLE CROW	<i>Corvus macrorhynchos</i>	R	C

FAMILY : CAMPEPHAGIDAE

144	COMMON WOOD SHRIKE	<i>Tephrodornis pondicerianus</i>	R	C
145	BLACKHEADED CUCKOO-SHRIKE	<i>Coracina melanoptera</i>	R	C
146	SCARLET MINIVET	<i>Pericrocotus flammeus</i>	R	C
147	SMALL MINIVET	<i>Pericrocotus cinnamoneus</i>	R	C
148	WHITEBELLIED MINIVET	<i>Pericrocotus erythropygus</i>	R	O
149	LARGE CUCKOO-SHRIKE	<i>Coracina novachollandiae</i>	R	C

FAMILY : IRENIDAE

150	COMMON IORA	<i>Aegithina tiphia</i>	R	C
151	GOLDENFRONTED CHLOROPSIS	<i>Chloropsis aurifrons</i>	R	C
152	GOLDMANTLED CHLOROPSIS	<i>Chloropsis cochinchinensis</i>	R	C

FAMILY : PYCNONOTID

153	REDVENTED BULBUL	<i>Pycnonotus cafer</i>	R	C
154	REWWISKERD BULBUL	<i>Pycnonotus jocosus</i>	R	C
155	WHITE BROWED BULBUL	<i>Pycnonotus luteolus</i>	R	C

FAMILY : MUSCICAPIDAE

156	RUFUSBELLIED BABBLER	<i>Dumetia hyperythra</i>	R	C
157	YELLOWEYED BABBLER	<i>Chrysomma sinense</i>	R	C
158	COMMON BABBLER	<i>Turdoides caudatus</i>	R	C
159	LARGE GREY BABBLER	<i>Turdoides malcolmi</i>	R	C
160	JUNGLE BABBLER	<i>Turdoides striatus</i>	R	C
161	REDBREASTED FLYCATCHER	<i>Muscicapa parva</i>	M	C
162	TICKELL'S BLUE FLYCATCHER	<i>Muscicapa tickelliae</i>	R	C
163	VERDITER FLYCATCHER	<i>Muscicapa thalassina</i>	R	C
164	GREYHEADED FLYCATCHER	<i>Culicicapa ceylonensis</i>	R	C
165	WHITEBROWED FANTAIL FLYCATCHER	<i>Rhipidura aureola</i>	R	C
166	PARADISE FLYCATCHER	<i>Terpsiphone paradisi</i>	R	C
167	BLACKNAPED FLYCATCHER	<i>Hypothymis azurea</i>	R	C
168	WHITE SPOTED FAINTAIL FLYCATCHER	<i>Rhipidura albicollis</i>	R	C
169	WHITEBROWED BLUE FLYCATCHER	<i>Muscicapa superciliaris</i>	R	O
170	OLIVACEOUS LEAF WARBLER	<i>Phylloscopus griseolus</i>	R	C
171	STREAKED FANTAIL WARBLER	<i>Cisticola juncidis</i>	R	C
172	FRANKLIN'S WREN-WARBLER	<i>Prinia hodgsonii</i>	R	C
173	ASHY WREN-WARBLER	<i>Prinia socialis</i>	R	C
174	TAILOR BIRD	<i>Orthotomus sutorius</i>	R	C
175	WHITETHROAT	<i>Sylvia communis</i>	M	O
176	LESSER WHITETHROAT	<i>Sylvia curruca</i>	M	O
177	BROWN LEAF WARBLER,	<i>Phylloscopus collybita</i>	R	C
178	BLUETHROAT	<i>Erithacus svecicus</i>	M	C
179	MAGPIE-ROBIN OR DHYAL	<i>Copsychus saularis</i>	R	C
180	BLACK REDSTART	<i>Phoenicurus ochruros rufiventris</i>	M	C
181	BROWN ROCK CHAT	<i>Cercomela fusca</i>	R	C
182	STONE CHAT	<i>Saxicola torquata</i>	R	C
183	PIED BUSH CHAT	<i>Saxicola caprata</i>	R	C
184	INDIAN ROBIN	<i>Saxicoloides fulicata</i>	R	C
185	TICKLES THRUSH	<i>Turdus unicolor</i>	LM	O
186	WHITE THROATED GROUND THRUSH	<i>Zoothera citrina</i>	R	C

FAMILY : PARIDAE

187	GREY TIT	<i>Parus major</i>	R	C
188	YELLOWCHEEKED TIT	<i>Parus xanthogenys</i>	R	C

FAMILY : MOTACILLIDAE

189	INDIAN TREE PIPIT	<i>Anthus hodgsoni</i>	R	C
190	INDIAN PIPIT	<i>Anthus novaeseelandiae</i>	R	C
191	YELLOW WAGTAIL	<i>Motacilla flava</i>	M	C
192	YELLOWHEADED WAGTAIL	<i>Motacilla citreola</i>	M	C
193	GREY WAGTAIL	<i>Motacilla cinerea</i>	M	C
194	PIED OR WHITE WAGTAIL	<i>Motacilla alba</i>	M	C
195	LARGE PIED WAGTAIL	<i>Motacilla maderaspatensis</i>	R	C

FAMILY : DICAERIDAE

196	TICKALES FLOWER PICKER	<i>Dicaeum erythrorhynchos</i>	R	O
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FAMILY : NECTARINIIDAE

197	PURPLERUMPED SUNBIRD	<i>Nectarinia zeylonica</i>	R	C
198	PURPLE SUNBIRD	<i>Nectarinia asiatica</i>	R	C

FAMILY : ZOSTEROPIDAE

199	WHITE EYE	<i>Zosterops palpebrosa</i>	R	C
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FAMILY : PLOCEIDAE

200	HOUSE SPARROW	<i>Passer domesticus</i>	R	C
201	YELLOW THROATED SPARROW	<i>Petronia xanthocollis</i>	R	C
202	BAYA OR WEAVER BIRD	<i>Ploceus philippinus</i>	BM	C
203	RED MUNIA, AVADAVAT	<i>Estrilda amandava</i>	R	C
204	WHITETHROATED MUNIA	<i>Lonchura malabarica</i>	R	C
205	WHITEBACKED MUNIA	<i>Lonchura striata</i>	R	C
206	MUNIA SPOTTED	<i>Lonchura punctulata</i>	R	C
207	GREEN MUNIA	<i>Estrilda formosa</i>	R	C

FAMILY : EMBERIZIDAE

208	CRESTED BUNTING	<i>Melophus lathami</i>	R	C
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Annexure - IV

AMPHIBIANS

Amphibians are probably the best indicators of environmental health of all Vertebrates. Being extremely sensitive to temperature and humidity. In this city they are found in most of the parts, especially more in number in near by localities on banks of Nag river. But the amphibians are scanty in Mahal area.

Present survey reveals 10 species of amphibians belonging to 4 genera. These are :

- 1) Haplobatrachus tigerinus (A big frog) now extinct (Daudin, 1803)
- 2) Rana tigerina (Indian bull frog) decreasing
- 3) Rana cynoflectis (Skipper frog) decreasing
- 4) Rana malbarica (Fungoid frog) rare (Techudi 1938)
- 5) Rana leithi (Leaping frog) rare
- 6) Rana lymnocharis (cricket frog) occasional
- 7) Rana brevipalmata (R)
- 8) Bufo-melanostictus (Indian toad)(Schneider, 1799) abundant
- 9) Rhacophorous malbaricus (Jerdon, 1870) Decreasing
- 10) Microhyla ornata (Ornate frog) Stable

Out of these amphibians many were abundant about 20 years back, when the Ambazari lake used to overflow and Nag river was flowing for about 4 months in a year. Many amphibians like R. cynoflectis, R. lymnocharis were seen crossing the water bodies and getting killed on the nearby road due vehicular traffic. Now, since last 10 years hardly any caracases were seen, the river is nearly dry except it is raining heavily for 3 to 4 days continuously.

FISHES OF NAGPUR DISTRICT

1. FAMILY - CYPRIMIDAE

Scientific Name	Local Name
1) <i>Oxygaster bacalia</i> (Ham)	Chelliah
2) <i>Oxygaster Clupeoides</i> (Bl)	Chela
3) <i>Chela alpar</i> (Ham)	Bonkuaso
4) <i>Chela laubuca</i> (H)	Bankee
5) <i>Danio devario</i> (H)	Bankuaso,
6) <i>Dania aequipinnatus</i> (Me cell)	Nooatoo
7) <i>Barillus bendelisis</i> (H)	Johra
8) <i>Barillus</i> SP.	Bahri
9) <i>Osteobrama vigorsii</i> (Sykes)	Gollund, koli
10) <i>Osteobrama cotio</i> (H)	Koti, Mueknee
11) <i>Aspidoparia morar</i> (H)	Chilwa, Pichla, Gulthi
12) <i>Rasbora daniconius</i> (H)	Gani, khowli, Kanheri
13) <i>Esomus danrica</i> (H)	Kurriah, Dahwee
14) <i>Puntius ticto</i> (H)	Potiah, Gadar, karwari
15) <i>Puntius sophore</i> (H)	Karwari
16) <i>Puntius kolus</i> (Sykes)	Kolshi, Kolis
17) <i>Puntius amphibia</i> (V)	Bhondgi
18) <i>Tortor</i> (H)	Mahaseer, Wadis
19) <i>Puntius sarana</i> (Ham)	Poshti
20) <i>Thynnietheys sandkhol</i> (Sykes)	
21) <i>Cirrhinus cirrhosa</i> (Bl)	Marain Vavis
22) <i>Cirrhinus reba</i> (Ham)	Rewali, Dongra
23) <i>Labeo fimbriatus</i> (Bl)	Taambir
24) <i>Labeo calbasu</i> (Ham)	Kanoshi
25) <i>Labeo rohita</i> (Ham)	Rohu
26) <i>Labeo bata</i> (Ham)	Bata
27) <i>Labeo boggut</i> (Sykes)	Gohia
28) <i>Garra mullya</i> (Sykes)	Patthar chatu

2. FAMILY—COBITIDAE

29) *Noemacheilus botia* (Ham)

Teli mura, Banta

3. FAMILY --- CLARIIDAE

30) *Clarias balrachus* (L)

Magur

4. FAMILY --- SACCOBRANCHIDA
31) *Heteropneustes fossilis* (Bl) Singhee, Singhan
5. FAMILY ---SILURIDAE
32) *Wlallago attu* (Schn) Shivda, Padan
33) *Ompok bimaculatus* (Bl) Gugli
6. FAMILY---SCHILBEIDAE
34) *Eutroplichthys vacha* (Ham)
35) *Bulchua*
35) *Allia coila* (Ham) Banse putti
36) *Clupisoma garua* (Ham) Baikri
7. FAMILY--- BAGRIDAE
37) *Mystus aor* (Ham) Shigalu, Shighare
38) *Mystus seenghala* (Sykes) Shingata
39) *Mystus vittatus* (Bl) Tengra
40) *Rita pavementata* () Chagra
8. FAMILY--- SISORIDAE
41) *Bagarius bagarius* (Ham) Bodh
9. FAMILY--- NOTOPTERIDAE
42. *Notopterus notopterus* (Pallas) Bhadav, Patada
10. FAMILY--- CLUPEIDAE
43) *Gonialosa manmina* (Ham) Machundi
11. FAMILY---ANGUILLIDAE
44) *Anguilla bengalensis* (G & M)[Rare] Ahir, Tamboo

12. FAMILY---BELOMIDAE
 45) *Xenentodon cancilla* (Ham) [Decreasing] Chacha
13. FAMILY---MUGILIDAE
 46) *Rhinomugil corsula* (Ham) Arvari, War-doli
14. FAMILY--- OPHIOCEPHELIDAE (CHANNIDAE)
 47) *Channa marulius* (Ham) Phul, Mural
 48) *Channa straitus* (Bl) Dadkya
 49) *Channa punctatus* (Bl) Dhok, Gurrai
 50) *Channa gachua* (Ham) Botri
15. FAMILY--- NANDIDAE
 51) *Nandus nandus* (Ham)[Decreasing] Dukar
16. FAMILY---AMBASSIDAE
 52) *Ambassis nama* (Ham) Chandva
 53) *Ambassis ranga* (Ham) Chander, Kanghi
17. FAMILY---GOBIIDAE
 54) *Glossogobius giuris* (Ham) Kharpa, Bulla, Ghasra
18. FAMILY---MASTOCSEMBELIDAE
 55) *Mastocembelus armatus* (Lac) Bam, Vam
 56) *Macrognaathus aculeatum* (Bl) Gaichee

Nawegaon National Park

Annexure-V

Source : Forest Dept., Wildlife wing
Maharashtra state.

APPENDIX NO. IX

List of Plant Species Identified in the National Park

Sr.No.	Local Name	Botanical Name	Family
1	Achar	Buchanania lanzan, Spreng	Anacardiaceae
2	Akal	Alangium salvifolium (Linn.) Wang	Cornaceae
3.	Amaltes	Cassia fistula, Linn.	Leguminaceae
4.	Amta	Bauhinia malabari, Roxb	Leguminaceae-caesalpineae
5.	Aonla	Emblica officinalis, Gaertn	Euphorbiaceae
6.	Aran (Jamarasi)	Elaeodendron glaucum, pers	Celastraceae
7.	Arjun	Terminalia arjuna, Bedd.	Combretaceae
8.	Babul	Acacia arabica, Willd	Leguminaceae
			Mimoseae
9.	Bhera	Terminalia bellearica, Roxb	Combretaceae
10.	Bankar	Dillenia pentagyna, Roxb	Dilleniaceae
11.	Bar	Ficus benqalensis, Linn.	Urticaceae
12.	Bel	Aeqle marmelos, Correa	Rutaceae
13.	Ber	Zyziphus mauritiana, Lamk.	Rhamnaceae
14.	Bhilwa	Semecarpus anacodium, Linn.	Anacardiaceae
15.	Bhirra	Chloroxylon swietenia	Miliaceae
16.	Bhormal	Hymenodictyon excelsum, Wall.	Rubiaceae
17.	Bija	Pterocarpus marsupium, Roxb.	Leguminaceae
			Papilionaceae
18.	Bistendu	Diospyros montana, Roxb.	Ebenaceae
19.	Botbi	Erialaena hookeriana, Wand A.	Sterculiaceae
20.	Chichwa	Albizzia odoratissima, Benth	Leguminosae
			Mimoseae

Sr.No.	Local Name	Botanical Name	Family
21.	Datrangi	<i>Ehretia laevis</i> , Boxb.	Boraginaceae
22.	Dhaman	<i>Grewia tiliaefolia</i> , Wall	Tiliaceae
23.	Dhaora	<i>Anogeissus latifolia</i> , Wall	Combretaceae
24.	Dhoban	<i>Dalbergia paniculata</i> , Roxb	Leguminasae
			papilionaceae
25.	Dikamali	<i>Gardenia resinifera</i> , Roth	Rubiaceae
26.	Garari	<i>Cleistanthus collinus</i> , Benth & Hook F.	Euphorbiaceae
27.	Ghont	<i>Zizyphus zylopyra</i> , Willd	Rhamanacuaa
28.	Ghogar	<i>Gardenia latifolia</i> , Aic	Rubiaceae
29.	Gonagal	<i>Cochlospermum religiosum</i> , (Linn.) Alstan	Bixaceae
30.	Gular	<i>Ficus glomerata</i> , Roxb	Urticaceae
31.	Haldu	<i>Adina cordifolia</i> , Hook F.	Rubiaceae
32.	Harra	<i>Terminalia chebula</i> , Retz.	Combretaceae
33.	Imii	<i>Tamarindus indica</i> , Linn.	Leguminasae
			Caesalpineae
34.	Jamun	<i>Syzygium cumini</i> , Linn	Myrtaceae
35.	Kahu (Arjun)	<i>Terminalia arjuna</i> , Bedd.	Combretaceae
36.	Kakar	<i>Flacourtia indica</i> , (Burm, F.) Merr.	Cappardiaceae
37.	Kalaphetra	<i>Randia uliginosa</i> , Dg.	Rubiaceae
38.	Karai	<i>Milium tomentosa</i> (Roxb) Sinclair	Anonaceae
39.	Kasai	<i>Bridelia squamosa</i> , Gebr.	Euphorbiaceae
40.	Khair	<i>Acacia catecha</i> , Willd.	Leguminiceae
			mimoseae
41.	Khirni	<i>Manilkara hexandra</i> , (Roxb.)	Sapotaceae

Sr.No.	Local Name	Botanical Name	Family
		Dubasd	
42.	Koilar	Bauhinia retusa, Roxb.	Leguminaceae
			Caesalpineae
43.	Kulu	Sterculia urens, Roxb.	Sterculiaceae
44.	Kumbhi	Careya arborea, Roxb.	Myrtaceae
45.	Kusum	Schleichera oleosa (Lour) Merr	Sapindaceae
46.	Lendia	Lagerstroemia parviflora, Roxb. ex. sm.	Lythraceae
47.	Lokhandi	Ixora arborea, Roxb.	Rubiaceae
48.	Mahua	Madhuca indica, Gmel.	Sapotaceae
49.	Maniphal, Manhar	Randia spinosa (Thumb) poir	Rubiaceae
50.	Mokha	Sohrebera swietenoides, Roxb.	Oleaceae
51.	Moyen (Mowai)	Lannea coromandelica (Houtt) Merr.	Anacardiaceae
52.	Mundi (Kalam)	Mitragyna parvifolia, Korth.	Rubiaceae
53.	Padar	Stereospermum suaveolens, DG.	Bignoniaceae
54.	Palas	Butea monosperma, (Lamk), Taub	Leguminosae
55.	Pangara	Erythrina indica, Linn.	Leguminosae papilionaceae
56.	Phetra (Safed)	Gardenia turgida	Roxb.
57.	Reunzha (Hiwar)	Acacia leucophioea, Willd	Leguminosae mimoseae
58.	Rohan	Soymida febrifuga, A. Tuss.	Meliaceae
59.	Sag	Tectona grandis, Linn	Verbenaceae
60.	Sahara, Apta	Bauhinia racemosa, Lamk.	Leguminosae Caesalpineae
61.	Saja	Terminalia tomentosa, W. and A.	Combretaceae
62.	Saijai	Boswellia serrata, Roxb.	Burseraceae
63.	Semal	Bombax ceiba (DG.) Schott and Endl.	Malvaceae

Sr.No.	Local Name	Botanical Name	Family
64.	Siwan	Gmelina arborea, Linn.	Verbenaceae
65.	Shisham	Dalbergia latifolia, Roxb.	Leguminosae papilionaceae
66.	Surya	Xylocarpus xylocarpa, Roxb.	Leguminosae mimoseae
67.	Tendu	Diospyros melanoxylon, Roxb.	Ebenaceae
68.	Tinsa	Dqueinia oojeinensis (Roxb.) Hochreut.	Leguminosae papilionaceae
69.	Tondri	Casearia tomentosa, Roxb.	Samydaceae
70.	Wandra (Bainsa)	Salix tetrasperma, Roxb.	Saliaceae
71.	warang (Baranga)	Kydia calycina, Roxb.	Malvaceae
Shrubs, herbs etc.			
72.	Baibarang	Embelia tsjeriam Cottam	(A.D.C.)
73.	Bharati	Gymnosporia spinosa, (forsk), Fiori	Celstraceae
74.	Bhowarmal	Hamiltonia suaveolens, Roxb.	Rubiaceae
75.	Chepti	Hymenodictyon excelusm-Wall Moghanea	Leguminosae
76.	---	Strobilifera, R.Br.	Papilionaceae
77.	Chhindhi or Sindi	Phoenix sylvestris, Roxb.	Palmae
78.	Dhawati	Dodonea viscosa Linn.	Sapindaceae
79.	Dudhi, (Kalakuda)	Wrightia tinctoria, R.Br.	Apocynaceae
80.	Indarjo (Kuda)	Holarrhena antidysenterica, Wall	Apocynaceae
81.	Jilbuli	Woodfordia fruticosa, Kurz.	Lythraceae
82.	Joncharli	Antidesma khasbilla, Gaertn.	Euphorbiaceae
83.	Kharasli	Nyctanthes spp.	Oleaceae

Sr.No.	Local Name	Botanical Name	Family
84.	Katambar	<i>Ficus hispida</i> , Linn.	Urticaceae
85.	Kurmudi	<i>Gardenia qummifera</i> , Linn. F.	Rubiaceae
86.	Mararphal	<i>Helicteres isora</i> , Linn.	Sterculiaceae
87.	Neel	<i>ndiqufera</i> spp.	Leguminosae papilionaceae
88.	Ranchana (Karli)	<i>Petalidium harlerioides</i> , Nees	Acanthaceae
89.	Tarrota	<i>Cassia tora</i> , Linn.	Leguminosae caesalpinear
90.	Bans	<i>Dendrocalamus strictus</i> , Nees	Gramineae
91.	Bhurbhusi	<i>Eragrostistenalla</i> , Roem and Schult	Gramineae
92.	Dab, dabat	<i>Imperata cylindrica</i> , Beauv.	Gramineae
93.	Ghonad	<i>Themeda quadrivalvis</i> , (Linn.) Kantze	Gramineae
94.	Hariyali (Doob)	<i>Cynodan dactylon</i>	Gramineae
95.	Kantabawari	<i>Aristida funiculata</i> , T. & R.	Graminaeae
96.	Khas	<i>Vetiveria zizanioides</i> (Linn.) Nash	Graminaeae
97.	Kusal	<i>Heteropogon contortus</i> , (Linn.) beaur	Gramineae
98.	Marvel	<i>Dichanthium annulatum</i> , (Forsk) Staph	Gramineae
99.	Mushan	<i>Iscinima laxum</i> , Hack.	Gramineae
100.	Fuler	<i>Arundinella setosa</i> , Trin.	Gramineae
101.	Paonya	<i>Schima suleatum</i> , A Camus	Gramineae
102.	Rusa	<i>Cymbopoqon martini</i>	(Roxb.)
103.	Sheda	<i>Schima nervosum</i> , Stapf.	Gramineae
104.		<i>Pennisatum typhoideum</i> , Rich.	Gramineae
105.		<i>Chrysopogon montanus</i> , Trin.	Gramineae
106.		<i>Andropogon pumilus</i> , Roxb.	Gramineae
Climbers			
107.	Aradphari	<i>Olix scandens</i> , Roxb.	Oiacaceae
108.	Bandha	<i>Dendrophoe falcata</i> , Linn. F.	Loranthacea

Sr.No.	Local Name	Botanical Name	Family
109.	Bankumra	<i>Pueraria tuberosa</i> , Dc.	Leguminosae papilionaceae
110.	Bokab-bel, Nag bel	<i>Cryptalepis buchamani</i> , Roem	Asclepiadaceae
111.	Chilati	<i>Acacia pennata</i> , Willd.	Leguminosae minoseae
112.	Gunj	<i>Abrus precatorius</i> , Linn.	Leguminosae papilionaceae
113.	Ironi	<i>Zizyphus oenoplia</i> , Mill.	Rhamnaceae
114.	Knchkuri	<i>Mucuna pruriens</i> , D.C.	Leguminosae papilionaceae
115.	Kukuranji	<i>Calycopteris floribunda</i> , Lamk.	Combretaceae
116.	Mahul	<i>Bauhinia vahlii</i> wand A.	Leguminosae Celastraceae
117.	Malkangni	<i>Celastrus paniculata</i> , Willd.	Celastraceae
118.	NAsbel	<i>Spathalobus parviflorus</i> , O Kuntze	Leguminaceae papilionaceae
119.	Palashel	<i>Butea superba</i> , Roxb.	Leguminoace papilionaceae
120.	Papri (Lalbel)	<i>Ventilago calyculata</i> , Tul	Rhamnaceae
121.	Piwarbel	<i>Combretum decandrum</i> , Roxb.	Combretaceae
122.	Safed iruni	<i>Zyziphus reqosa</i> , Lamk. Sh.	Rhamnaceae
123.	Ser (Rambaton)	<i>Smilax marcophylla</i> , Roxb.	Liliaceae

*Source : Working plan of Bhandara Forest Division.