



ଖଣ୍ଡିୟ ବନାଧିକାରୀଙ୍କ କାର୍ଯ୍ୟାଳୟ, ହୀରାକୁଦ ବନ୍ୟପ୍ରାଣୀ ବନଖଣ୍ଡ, ମୋତିଝରନ୍, ସମ୍ବଲପୁର, ଓଡ଼ିଶା
ଫିନ୍-୭୭୮୦୦୧, ଦୂରଭାଷା/ଫୋନ୍- ୦୬୬୩-୨୫୪୮ ୭୪୩,
ଇମେଲ-dfo.hirakudwl@odisha.gov.in

Letter No. 2663 /3F- 44 /2014-15 Dated. 07.07.2022

To

Sri Chandan Singh
Consultant (Wetlands)
& Former Scientist 'D'
Ministry of Environment, Forest and Climate Change
V-530, Indira Paryavaran Bhawan,
Jorbag Road, New Delhi.

Sub: - Submission of data on Water Birds Census (Bird count)
for the period from 2016 to 2022.

Ref: - Your e-mail dated 07.07.2022.

Sir,

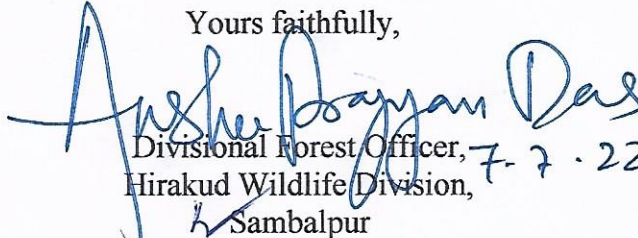
With reference to the mail cited above, the required data on Water Birds Census (Bird Count) for the period from 2016 to 2022 of Hirakud Reservoir (Odisha) is furnished below for favour of kind information and necessary action.

Census Year	No of species	No of birds
2016	60	95,912
2017	57	76,768
2018	82	1,36,835
2019	92	1,45,946
2020	93	97,899
2021	98	1,24,864
2022	104	2,08,634

Further, the year wise data sheet for the period from 2016 to 2022 are enclosed herewith for favour of kind information and necessary action.

Encl:- As above.


Yours faithfully,


Divisional Forest Officer, 7-7-22
Hirakud Wildlife Division,
Sambalpur

Total pages - 27

Memo No. 2664 dt. 07.07.2022

Copy forwarded to the Member Secretary, Odisha State Wetland Authority for favour of kind information and necessary action.


Divisional Forest Officer,
Hirakud Wildlife Division,
Sambalpur

2016



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OFFICE OF THE DIVISIONAL FOREST OFFICER, HIRAKUD WILDLIFE
DIVISION, MOTIJHARAN, SAMBALPUR, ODISHA, PIN:768001
Phone/Fax : 0663-2548743, Email: hirakudwildlife1@gmail.com

Memo No. 187

Dated. 18-1-16

To,

The Chief Conservator of Forests(Wildlife)
O/O. the Principal Chief Conservator of Forests(Wildlife) &
Chief Wildlife Warden, Odisha, Bhubaneswar.

Sub: Mid-Winter Waterfowl Census - 2016.

Ref: P.C.C.F(Wildlife) Memo No.10641/4WL/434/2015, dtd.08.12.2015.

With reference to above cited memo, the annual mid-winter waterfowl census,2016 was carried out in the Hirakud reservoir part falling under the jurisdiction of this Division on dtd.09.01.2016. A total number of 55,067 birds belonging to 41 species were recorded within the area falling under this Division.

However, as the census was co-ordinated across the entire area of Hirakud reservoir data from all census units (belonging to various divisions of Sambalpur Circle) is being furnished herewith in prescribed data sheet filled up in all respects. A total number of 95912 birds belonging to 60 species were recorded in the entire Hirakud reservoir area.

Encl: As above

[Signature]
15/01/16
Divisional Forest Officer,
Hirakud Wildlife Division
Sambalpur.

Memo No. 188

Dated. 18-1-16

Copy along with a copy of enclosure forwarded to the Regional Chief Conservator of Forests, Sambalpur for favour of kind information.

Encl: As above.

[Signature]
15/01/16
Divisional Forest Officer,
Hirakud Wildlife Division
Sambalpur.

(2/27)

Mid Winter Asian Waterfowl Census - 2016

Division : Hirakud Wildlife Division, Sambalpur

Sl. No.	Species Name	Hirakud Wildlife Division								Sambalpur Forest Division				Jharsuguda Forest Division				Total								
		Sector 5	Sector 8	Sector 9	Sector 10	Sector 11	Sector 2	Sector 3	Sector 12 & 13	Sector 14	Sector 1	Sector 4	Sector 6	Sector 7												
1	Lesser Whistling Duck(Lesser Tree	350	15,342	400	10							45			400											
2	Common Poachard	395	3,342	5,280	176	150	483	954	491	795	229	795	1,022	3,155	1,022	3,155	16,473									
3	Tufted Duck	4,593	1,696	727	178	619	29	85	20	80	615	80	1,339	1,525	1,339	1,525	11,506									
4	Great Crested Grebe	2,750	596	2,050	1,984	1,260	195	212	88	277	738	677	134	10,886												
5	Common Coot	1,530	1,424	735																						
6	Little Cormorant	219	870	475	195	169	1,253	836	239	125	770	286	436	6,112												
7	Black-headed Gull	413	870	80	70	1,293	273	1,012																		
8	Red-crested Poachard		628	7			268																			
9	Little Grebe						129	1,815	10																	
10	Purple Swamphen		2,590																							
11	Brown-headed Gull	950	312	255	122	54																				
12	Spot-billed Duck	136	732	99	38	69																				
13	Little Tern	280			11	40	220	111																		
14	Whiskered Tern	60	632	60	43	22																				
15	Great Cormorant		12	36	23	34	20	132	40																	
16	Brahminy Ruddy Shelduck					350	5																			
17	Eurasian Wigeon	40	40		14																					
18	Northern Pintail			20					260																	
19	Little Egret	45	30		7	28	26	10	35																	
20	Great Egret	31	15	21	16	9	21	15	12																	
21	Garganey	80	70				2	17	92																	
22	Indian Cotton Teal	26					2																			
23	Intermediate Egret	62	10	7	73	30	10																			
24	Asian Openbill	21	150	5				2	50																	
25	Godwall	22		7	54		7		83																	
26	Cattle Egret			12																						
27	Indian Shag	6			6	4																				
28	Common(Green Wing) Teal	6						45																		
29	Indian Pond Heron	23		45	8	27	6																			
30	Great Black-headed Gull			35	14	21																				

C3/12A

31	Black-winged Stilt										17													56	103
32	Red-wattled Lapwing	13	29	21					10								15								88
33	Indian River Tern	24										7											8	26	65
34	Grey Heron	2	12	2					4						4									20	45
35	Purple Heron	3	6	6					14					2									4		40
36	Mallard				ψ																		36		38
37	Bar-headed Goose				ψ							31													35
38	Comb Duck		30																						30
39	White-breasted Water hen					2											12								24
40	White Breasted King Fisher	4	5	1		4			5			1					2								22
41	Brahmin Kite	1		1					3			11											3		19
42	Common Kingfisher					15																			15
43	Moorhen				ψ												15								15
44	Black-headed(white) ibis				ψ												12								12
45	Oriental Pratincole				ψ				10																10
46	Little Pratincole					9																			9
47	Northern Shoveller				ψ							9													9
48	Ferruginous Duck				ψ												8								8
49	Graylag Goose				ψ																		8		8
50	Black-crowned Night Heron		6																						6
51	Marsh Harrier		6																						6
52	Osprey		1	1								1												2	5
53	Pheasant-tailed Jacana							ψ																	5
54	Pied king fisher	2		2		1																			5
55	Large Whistling Duck				ψ																				4
56	Palas Fish Eagle				ψ																			1	2
57	Stork billed king fisher				ψ																				2
58	Bronze-winged Jacana				ψ															1					1
59	Chestnut Bittern				ψ				1																1
60	Wood sumpaper				ψ				1																1
	GRAND TOTAL	12088	29456	10450	3073	4223	3557	5705	5705	3655	1875	1455	4350	6239	9276	95,912									

Divisional Forest Officer
Hirakud Wildlife Division
Sambalpur

(4/27)

2017

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OFFICE OF THE DIVISIONAL FOREST OFFICER, HIRAKUD WILDLIFE DIVISION,
MOTIJHARAN, SAMBALPUR, ODISHA, PIN:768001
Phone/Fax : 0663-2548743, Email: hirakudwildlife1@gmail.com

Memo No. 175 /BF/ 44 /2014-15 Dated. 15-01-2017

To

The Principal Chief Conservator of Forests (Wildlife)
& Chief Wildlife Warden, Odisha, Bhubaneswar

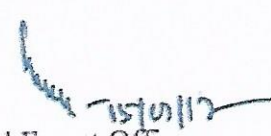
Sub:- Mid Winter Water fowl Census – 2017.

Ref:- Your memo No..8945 dt.15.11.2016 & 10077 dt.22.12.2016

With reference to above cited memo, the annual mid-winter waterfowl census, 2017 was carried out in the Hirakud reservoir on dtd. 15.01.2017. A total number of 76768 birds belonging to 58 species were recorded in the reservoir.

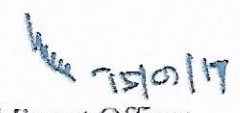
The sector wise figure is enclosed along with WETLAND INTERNATIONAL FORM duly filled up.

Encl:- As above.


Divisional Forest Officer,
Hirakud Wildlife Division,
Sambalpur.

Memo No 176 Dated. 15-01-2017

Copy along with in a soft & hard copy of enclosure forwarded to the Regional Chief Conservator of Forests, Sambalpur for favour of kind information & necessary action with reference to memo No.8946 dt.15.11.2016 & No.10078 dt.22.12.2016 of Principal Chief Conservator of Forests (Wildlife) & Chief Wildlife Warden, Odisha, Bhubaneswar to your address.


Divisional Forest Officer,
Hirakud Wildlife Division,
Sambalpur.

etc

(927)

COMPILATION OF WATER FOWL CENSUS - 2017

No.	Name of Water Bird	Hirakud Wildlife Division						Sambalpur Forest Division						Jharsuguda Forest Division			TOTAL		
		SECTOR-1	SECTOR-2	SECTOR-3	SECTOR-10	SECTOR-11	SECTOR-4	SECTOR-5	SECTOR-5	SECTOR-5	SECTOR-12	SECTOR-13	SECTOR-14	SECTOR-7	SECTOR-8	SECTOR-9			
1	Little Grebe / <i>Tachybaptus ruficollis</i>		6			14					8	11	1022		2	203			1266
2	Great Crested Grebe / <i>P. cristatus</i>	5740	386	841	856			288		337	325	159	70		5	8	160	275	9450
3	Great Cormorant / <i>Phalacrocorax carbo</i>	227	14	23	17			15		44	16	34	51		264	25	33		795
4	Little Cormorant / <i>P. niger</i>	73	389	695	414			600		479	126	107	168		1940	52	496	229	5885
5	Indian Shag / <i>P. fuscicollis</i>	18									240	73			137	25			493
6	Unidentified cormorants		1					1								2			4
7	Grey Heron / <i>A. cinerea</i>		10							1					3				17
8	Purple Heron / <i>Ardea purpurea</i>			6				40		11			37		60	2			157
9	Great White Egret / <i>Ardea alba</i>	35	20	9				83		21	6	20	45		5	15	42		301
10	Median Egret / <i>Mesophoyx intermedia</i>	52	79	32				12		12		10	46		8	12			298
11	Little Egret / <i>Egretta garzetta</i>	39	13	62				80		5	4	20	38		345		22		758
12	Cattle Egret / <i>Bubulcus ibis</i>			11				37				15	31		5				104
13	Indian Pond Heron / <i>Ardeola grayii</i>	14	16	9				4		9		25	45		12	4	27		206
14	Asian Openbill / <i>Anastotus osciars</i>	36	17	18				268							9		12		380
15	Large Whistling Duck / <i>Dendrocygna bicolor</i>							3800		29					9				3829
16	Lesser Whistling Duck / <i>D. javanica</i>	180																	180
17	Bar-headed Goose / <i>Anser indicus</i>							7			6	9							22
18	Brahminy (Ruddy) Shelduck / <i>Tadorna ferruginea</i>	660													20				680
19	Common Shelduck / <i>T. tadoma</i>																		
20	Common Teal / <i>Nettion coromandelianus</i>			704						86					8				8
21	Mallard / <i>Anas platyrhynchos</i>										29								1036
22	Northern Pintail / <i>A. acuta</i>	1450																	29
23	Common Teal / <i>A. crecca</i>											38							2172
24	Spot-billed Duck / <i>A. poecilorhyncha</i>	230	127	209				390		103						95			288
25	Garganey / <i>A. querquedula</i>	16		8												250			1213
26	Common Pochard / <i>Aythya ferna</i>	1760						680		316		8							565
27	Ferruginous Pochard / <i>A. nyroca</i>							16											8487
28	Tufted Pochard / <i>A. fuligula</i>	888	165	2187				1850		318		912	45						16
29	Comb Duck / <i>Sarkizornis melanotos</i>							8											11951
30	Eurasian Wigeon / <i>Mareca penelope</i>																		8
31	Gadwall / <i>M. strepera</i>	25						1398				8							1427
32	Northern Shoveler / <i>Spatula clypeata</i>	11						900				20							1921
33	Red-crested Pochard / <i>Rhodonessa nitens</i>	40	3					540		97			1351						11
34	Unidentified ducks											22							3662
35	Purple Swamphen / <i>Porphyrus porphyrio</i>							875		21									22
36	White-breasted Waterhen / <i>A. phoenicurus</i>		2										19						944
37	Common Moorhen / <i>Gallinula chloropus</i>	20																	40
38	Common Coot / <i>Fulica atra</i>	27	8					3500		12		1351							46
39	Bronze-winged Jacana / <i>Meloplicus indicus</i>									33									35
40	Pheasant-tailed Jacana / <i>Hydrophasianus chirurgus</i>																		12
41	Black-winged Stilt / <i>Himantopus himantopus</i>	1																	142
42	Small Frigatebird / <i>G. factea</i>																	4	57
43	Red-wetted Lapwing / <i>V. indicus</i>	34	13																83

(A/19)

COMPIATION OF WATER FOWL CENSUS - 2017

No.	Name of Water Bird	Hirakud Wildlife Division					Sambalpur Forest Division					Jharsuguda Forest Division			TOTAL											
		SECTOR-1	SECTOR-2	SECTOR-3	SECTOR-10	SECTOR-11	SECTOR-4	SECTOR-5	SECTOR-6	SECTOR-12	SECTOR-13	SECTOR-14	SECTOR-7	SECTOR-8		SECTOR-9										
44	Grey Plover / <i>P. squatarola</i>					28										2							2			
45	Black-tailed Godwit / <i>Limosa limosa</i>																								28	
46	Wood Sandpiper / <i>T. glareola</i>																									8
47	Green Sandpiper / <i>T. ochropus</i>	1																								1
48	Pallas's Gull / <i>L. ichthyaeus</i>										14															14
49	Black-headed Gull / <i>L. ridibundus</i>	376			101	280					425	148	37	37									124			2071
50	Lesser Black-backed (Hauglin's) Gull / <i>L. fuscus hauglini</i>	2686	304		164								610	10								29			285	4088
51	Brown-headed Gull / <i>L. brunicephalus</i>	15	203	265	216	30							1411	83							20		170		458	2665
52	Whiskered Tern / <i>Chlidonias hybridus</i>	98	5	113		40						3											109		167	696
53	Gull-billed Tern / <i>Gelochelidon nitidica</i>		2									5	13	8									24			69
54	Common Tern / <i>S. hirundo</i>				54																					64
55	Little Tern / <i>S. albigrons</i>	90				163					224	7		114												598
56	River Tern / <i>S. aurantia</i>		7		39	260																				306
57	Unidentified terns											13														13
	TOTAL	14782	1787	5636	3252	16156	2610	1661	5208	2275	5454	4173	1363	5711	6700											76768

(File)



2018

422

OFFICE OF THE DIVISIONAL FOREST OFFICER, HIRAKUD WILDLIFE DIVISION,
MOTIJHARAN, SAMBALPUR, ODISHA, PIN:768001
Phone/Fax : 0663-2548743, Email: dfohirakudwl.od@gov.in

Memo No. 208 /3F- 44 /2014-15 Dated.17.01.2018.

To

The Principal Chief Conservator of Forests (Wildlife)
& Chief Wildlife Warden, Odisha, Bhubaneswar

Sub: - Mid Winter Water fowl Census – 2018.

Ref: - Your memo No.10381 dt.29.11.2017 & No.10883 dt.11.12.2017.

With reference to above cited memo, the annual mid-winter waterfowl census, 2018 was carried out in the Hirakud reservoir on dtd.16.01.2018. A total number of 136835 birds belonging to 82 species were recorded in the reservoir.

The sector wise figure is enclosed along with WETLAND INTERNATIONAL FORM duly filled up.

Encl:- As above.

17/01/18
Divisional Forest Officer,
Hirakud Wildlife Division,
Sambalpur

Memo No. 209 Dated.17.01.2018

Copy along with copy of enclosure forwarded to the Regional Chief Conservator of Forests, Sambalpur for favour of kind information & necessary action with reference to Memo No.10382 dt.29.11.2017 & No.10884 dt.11.12.2017 of Principal Chief Conservator of Forests (Wildlife) & Chief Wildlife Warden, Odisha, Bhubaneswar in his address.

17/01/18
Divisional Forest Officer,
Hirakud Wildlife Division,
Sambalpur

(8727)

	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
FAMILY TIGERS																																																																																																																																																							
SHOREBIRDS - WADERS																																																																																																																																																							
GULLS, TERNS & BOOBIES																																																																																																																																																							
ADDITIONAL SPECIES																																																																																																																																																							
TOTAL																																																																																																																																																							

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2019



**OFFICE OF THE DIVISIONAL FOREST OFFICER, HIRAKUD WILDLIFE
DIVISION, MOTIJHARAN, SAMBALPUR, ODISHA, PIN:768001
Phone/Fax : 0663-2548743, Email: dfohirakudwl.od@gov.in**


Memo No. 31 /3F-44/2019-20 Dated. 06.01.2019
To
The Principal Chief Conservator of Forests (Wildlife)
& Chief Wildlife Warden, Odisha, Bhubaneswar
Sub:- Mid-Winter Waterfowl Estimation-2019.
Ref:- Your Office Memo No.11228 Dt.07.12.2018 & No.11341 Dt.11.12.2018.

With reference to the above cited memo on the captioned subject, the Annual Mid- Winter Waterfowl Estimation-2019 has carried out in Hirakud Reservoir on dt.06.01.2019. During the census 21 teams including 68 persons covered entire reservoir area and power channels to count birds. 9 teams from Sambalpur Division, 6 teams from Jharsuguda Division and 6 teams from Hirakud (WL) Division have participated in the estimation. Apart from forest department staff, students of OUAT and Utkal University and representatives of various NGOs have also given opportunity to participate in the Estimation.

A total number of 145946 birds belonging to 92 species have recorded during the census in the reservoir.


The sector wise figure is enclosed along with WETLAND ASIAN WATERFOWL ESTIMATION FORM duly filled up.

Encl:- As above.


Divisional Forest Officer,
Hirakud Wildlife Division
Sambalpur

Memo No. 32 Dated. 06.01.2019

Copy along with copy of enclosure forwarded to the Regional Chief Conservator of Forests, Sambalpur for favour of kind information and necessary action with reference to Memo No.11229 Dt.07.12.2018 & No.11342 Dt.11.12.2018 of The Principal Chief Conservator of Forests (Wildlife) & Chief Wildlife Warden, Odisha, Bhubaneswar in his address.


Divisional Forest Officer,
Hirakud Wildlife Division
Sambalpur

(11/27)

Species	5284	3737	5230	4138	14479	59866	9343	5080	3824	1823	8341	1890	4201	1892	851	2985	739	4216	2734	1716	3607	145946
Yellow-billed Lapwing <i>P. melanocephala</i>					9	9							11	74	19	1	3					7
Red-wattled Lapwing <i>E. rubens</i>													45									133
Lesser Frigatebird <i>F. minor</i>																						67
Black-headed Godwit <i>Zonotrichia leucurus</i>																						1
Green Heron <i>Nycticorax nycticorax</i>																						1
Common Sandpiper <i>Actitis hypoleucos</i>																						2
5415. TERNS & SKIMMERS																						5
1. Greater Black-headed Gull <i>L. marinus</i>	1230	820	86	54	1470	180	111	350	172	27			526	191	48	131	3	73				1069
2. Black-headed Gull <i>L. ridibundus</i>				16	180		105	6	6	71	661	200	39		55		1	49	418	6		4532
3. Greater Black-headed Gull	5	36	21	2	459		90	30	15	4	45	111	35		13	108	34					2004
4. Whiskered Tern <i>Chlidonias hybridus</i>	23			7	221	14	209	65	92	13	7	90	12		53							24
5. Gull-billed Tern <i>Gelochelidon nilotica</i>																						985
6. Indian River Tern <i>Sterna mercator</i>																						724
7. Common Tern <i>S. hirundo</i>																						246
8. Black Noddy <i>N. melanoleuca</i>																						541
9. Little Tern <i>S. albigularis</i>			8	17	362								36	388			2					390
10. Lesser Crested Tern <i>S. bengalensis</i>													44									477
ADDITIONAL SPECIES																						44
1. White-breasted Kingfisher	2			3	24	1	1	1	2				2		1	3	1	2				1
2. Darter				2	2	1																43
3. Barn Swallow	13				3500		830	130	220	113		56			32	45	35	55				5
4. Ashy Wood Swallow							280	60	30		13	20										5045
5. Streak-breasted Swallow																						403
6. White-necked Swallow	15																					1500
7. Asian Palm Swift		420		500	1400										34		40					89
8. Black-billed Kingfisher																						2320
9. Common Kingfisher	1				1	1	2															1
10. Red Kingfisher		6																				1
11. White-bellied sea eagle							4	4	1													5
12. Brahminy Kite							5	5														7
13. Collared Dove							3	3														8
14. Black Kite							6	9														5
15. Drongo	5						3	3														3
16. Peregrine Falcon							1	1														20
17. White Wagtail							2	2														1
18. Asian Pied Starling							10	10														2
19. Common Myna							14	14														10
20. Little Ringed Plover									3													14
21. Scaup																						3
22. Common Palm Swift	9								6	150												156
23. Fish Eagle									1													10
24. Paddy Goose																						6
25. Water Hen																						4
26. Green Bay Heron																						4
27. Cinnamon Wagtail	6						2															25
28. Burmese Marsh Heron																						8
29. Red Rumped Swallow																						5
30. Golden Oriole																						7
Total	5284	3737	5230	4138	14479	59866	9343	5080	3824	1823	8341	1890	4201	1892	851	2985	739	4216	2734	1716	3607	145946



 Divisional Forest Officer
 Hirakud Wild Life Division
 Sambalpur

(13/12/21)



2020

OFFICE OF THE DIVISIONAL FOREST OFFICER, HIRAKUD WILDLIFE DIVISION,
MOTIJHARAN, SAMBALPUR, ODISHA, PIN:768001
Phone/Fax : 0663-2548743, Email: dfohirakudwl.od@gov.in

Memo No. 76 /3F- 44 /2019-20 Dated. 09.01.2020

To

The Principal Chief Conservator of Forests (Wildlife)
& Chief Wildlife Warden, Odisha, Bhubaneswar.

Sub: - Mid Winter Water Fowl Census in the Wetlands or water body on
7th January, 2020.

Ref: - Your memo No.10806 dt.18.12.2019.

With reference to above cited memo on the captioned subject the Annual Mid-winter Waterfowl Census -2020 has carried out in the Hirakud reservoir and Power Channel on dtd.07.01.2020. During the census 21 teams consists of 72 persons covered entire reservoir area and power channel to count birds. There are 9 teams from Sambalpur Division, 6 teams from Jharsuguda Division & 6 teams from Hirakud Wildlife Division have participated in the estimation. Apart from forest department staffs, Student from OUAT, Utkal University, North Odisha University, Centurian University, Autonomous College of Nayagarh & Kendrapada, Staff of RMNH(Regional Museum of Natural History), Staff of Bio-diversity Board, Aaranya Foundation and representative of NGO (Grow with Nature) has also given opportunity to participate in the estimation.

A total number of 97899 birds belonging to 93 species were recorded in the reservoir.

However on comparision to 2018-19 & 2019-20 census data this year less number of migratory species water birds in and around the reservoir were recorded probably due to submerging of uplands inside the reservoir caused insufficient space for roosting and foraging over water vegetation and reeds on account of heavy storage of water. The water storage level during the year 2018-19 as on 06.01.2019 the date of water bird census was 624.67 feet whereas this year 2019-2020 as on 7.01.2020(date of estimation) was 628.21 feet as reported by the Executive Engineer, Hirakud Main Dam Division, Burla vide his memo No.297 dated.09.01.2020 which was near about 4 feet high in comparison to previous year. The comparison of the census data along with the detailed report are given below:

Estimation Year	Water level in feet (as on date of estimation)	Total Number of Birds Counted		Migratory Birds estimated	
		Number of Birds	Number of Species	No of Birds	No. of Species
2019	624.67	145946	92	109657	30
2020	628.21	97899	93	82596	34

(14/27)

23

The report of Executive Engineer, Hirakud Main Dam Division, Burla vide his memo No.297 dated.09.01.2020 and the compiled sector wise figure alongwith WET LAND ASIAN WATERFOWL ESTIMATION FORM duly filed up is enclosed herewith for reference.

Encl:- As above.

Sambalpur
21/1/20

Divisional Forest Officer,
Hirakud Wildlife Division,
Sambalpur

Memo No. 77 Dated. 09.01.2020

Copy along with copy of enclosure forwarded to the Conservator of Forests, O/o.Regional Chief Conservator of Forests, Sambalpur for favour of kind information & necessary action with reference to his Memo No.2281 dated.27.12.2019 & Memo No.10807 dt.18.12.2019 of Principal Chief Conservator of Forests (Wildlife) & Chief Wildlife Warden, Odisha, Bhubaneswar in his address.

Sambalpur
20/1/20

Divisional Forest Officer,
Hirakud Wildlife Division,
Sambalpur

(1427)

COMPILATION OF WATER FOWL CENSUS - 2020

Sl. No.	Name of the Water Birds	Hirakad Wildlife Division, Sambalpur					Jharsuguda Forest Division					Sambalpur Forest Division					Total								
		Sect 1	Sect 2	Sect 3	Sect 4	Sect 5	Sect 6	Sect 7	Sect 8	Sect 9	Sect 10	Sect 11	Sect 12	Sect 13	Sect 14	Sect 15		Sect 16	Sect 17	Sect 18	Sect 19	Sect 20	Sect 21		
1	GREBES Little Grebe <i>Tachybaptus nigricollis</i>					64		5			8	82	16		240		7	18	2						442
2	Great Crested Grebe <i>P. cristatus</i>	832	547	410	613	84	63	12	850	76	298	122	43	1976	14	15	57	113							6125
3	COMORANTS & DARTER Great Cormorant <i>Phalacrocorax carbo</i>	9	50		23			4			5	15	28		10	4	3		9						299
4	Indian Shag <i>P. fuscicollis</i>	3	140	1	22	43				2	49	32	8												368
5	Little Cormorant <i>P. niger</i>	298	250	98	564	115	475	162	40	156	63	158	104	189	193	156	247	63	348	204	86				4071
6	Oriental Darter <i>Alcedo malabarica</i>			1	2			1																	4
7	HERONS, EGRETS & BITTERS Black-crowned Night Heron <i>Nycticorax nycticorax</i>					1																			1
8	Indian Pond Heron <i>Ardeola grayii</i>	7	7	1	7	31	54			2		32	13		3	6	4	2	13	28	30				240
9	Cattle Egret <i>Bubulcus ibis</i>	8		1	33	27	59				32				25										185
10	Little Egret <i>Egretta garzetta</i>	2	20		7	26	111	17				62		16	2				7	6	10				290
11	Intermediate Egret <i>E. intermedia</i>	82	40		13	21	41	22	20		4	36	3		5	9	14	3	15	18	20				366
12	Great Egret <i>E. alba</i>	18	15		15	12	15	39	12			38	9		6	15	17		27	13	2				256
13	Purple Heron <i>Ardea purpurea</i>		7	1	3	9	6	6			3	5			4	3		2							52
14	Grey Heron <i>A. cinerea</i>		2		4	6	4	2							1										21
15	STORKS Painted Stork <i>Mycteria leucoccephala</i>																								1
16	Asian Openbill <i>Anatomanus osciatus</i>				5	7	89	48		14	46	187	3	11					1	26	33				470
17	Lesser whistling duck				645	543	12845	669	555	39	769	370			278			1248	74						18035
18	Bay-headed Geese <i>Anser indicus</i>	2						8	6			863	14					8							906
19	Brahmany Ruddy Shelduck <i>Tadorna ferruginea</i>	545				38		262	105			22	10	13						27					1022
20	Comb Duck <i>Sarkidiornis melanotos</i>					2								6											8
21	Eastern spot bill duck	29	12		44																				81
22	Indian Cooten Teal <i>Nettion coromandelianus</i>				245	57		286	34	450	128	103			72	69	139	28		93	275				1979
23	Burayan Wigeon <i>Anas penelope</i>																162			10					192
24	Godwin <i>A. strepera</i>	4			76	22	3	2	18	150	164	31	116	33	101	2	44		4	147	227				838
25	Common (Green Winged) Teal <i>A. crecca</i>				42							438	35		46		23	30	6	3					955
26	Mallard <i>A. platyrhynchos</i>																6			71	80				157
27	Spot-billed Duck <i>A. persimilis</i>	412	95	51	472	242	327	170				18	17	31	43				5	12	390				2285
28	Northern Pintail <i>A. acuta</i>	205		48	354	29		22	508	161	17	87	94		149	80	15			54	30				1853
29	Garganey <i>A. gazarganeyi</i>													41	61		2								304
30	Northern Shoveler <i>A. clypeata</i>			17				2				39			43						7				108
31	Red-crested Pochard <i>Platanista rufipes</i>					362	669	38	30	3	25	38	74	1485			126		2	306					3158
32	Common Pochard <i>Aythya ferus</i>	7				273	1745		474		82	140	369		240	4204	10		450	250	200				8444
33	Ferruginous Duck <i>A. nyroca</i>				17				5	93															135
34	Tufted Duck <i>A. fuligata</i>	994	80	55	237		767		950	687	5043	1832	45	949	3	507		232							12611
35	White-tufted Waterhen <i>A. phoenicurus</i>			12					10																68
36	Moorhen <i>Gallinula chloropus</i>			45			0	14										2	2		5				68
37	Purple Swamphen <i>Porphyrrio porphyrio</i>					126			5	26			5		7	9	8		13	9					208
38	Common Coot <i>Fulicaria</i>		85			14456	1208	2	474	196		387		775	8		46		20		28				17685
39	PANFODD & JACANAS Pheasant-tailed Jacana <i>Hydrophasianus chinensis</i>																7								9
40	Bronze-winged Jacana <i>Metergulus indicus</i>		5														2				11				22

(16/27)

SHOREBIRDS - WADERS																						
41	Black-winged Stilt <i>Himantopus himantopus</i>											2					3	8				
42	Yellow-legged Lapwing <i>F. macrorhynchos</i>																		1	30		
43	Grey-headed Lapwing <i>F. cinereus</i>																					9
44	Red-winged Lapwing <i>F. indicus</i>	18																				4
45	Green-shank <i>F. nebulosa</i>												6									5
46	Wood Sandpiper <i>F. glareola</i>	1																				6
47	Common Snipe <i>G. Megala</i>																					2
48	Curlew Sandpiper <i>C. ferruginea</i>																					5
49	Ruff <i>Phalaropus lobatus</i>																					10
GULLS, TERNS & SKIMMERS																						
50	Lesser Black-backed Gull <i>L. fuscus</i>																					1
51	Great Black-headed Gull <i>L. chrysateris</i>																					153
52	Brown-headed Gull <i>L. brunnicephalus</i>	554		550		46	123		68	83		83	22			8	2306	823		50	38	24
53	Black-headed Gull <i>L. nigricollis</i>	335		670		4	8		43	1		45	50			58	72	182		28	28	65
54	Whiskered Tern <i>Chlidonias leucorhynchus</i>	4				3	33		28	41		119				2	47	192		78	18	240
55	White-winged Black Tern <i>C. leucorhynchus</i>														39							34
56	Gull-billed Tern <i>Gelochelidon nilotica</i>																					
57	Indian River Tern <i>Sterna sumatrana</i>																					
58	Common Tern <i>S. hirundo</i>									66		2	12									
59	Black-billed Tern <i>S. melanogaster</i>														21							
60	Little Tern <i>S. albigularis</i>	2		7					24	116		55										
61	Little Gull											2				142						
62	White-breasted Kingfisher																					
63	Common Kingfisher	1														6						
64	Pied Kingfisher	2																				
65	Osprey																					
66	Barn Swallow	455																				
67	Wire-tailed Swallow	72																				
68	Asian Palm Swift																					
69	Little Green Bee Eater																					
70	Green bee Eaters	77																				
71	White-bellied sea eagle																					
72	Brahminy Kite																					
73	Black Kite	6																				
74	Spotted Dove	2																				
75	Fork-tailed swift																					
76	Sun Birds																					
77	Black Drongo	16																				
78	Swallow																					
79	Common Swallow																					
80	Brown-headed Barbed																					
81	Copper Smith																					
82	Pied Starling																					
83	White-throated Kingfisher	2																				
84	Swift																					
85	Great-nodded bee-eater	2																				
86	White-browed Wagtail	2																				
87	Asian Pied Starling	2																				

17/12/19

88	Common Myna	4																		4				
89	Burman collared dove	4																		4				
90	Spot billed tern																			224				
91	Red Rumped Swallow																			0				
92	Gray Heronbill																			14				
93	Malabar Hornbill																			0				
Total			5014	3180	742	3767	2283	32201	3340	1539	4647	1648	9101	6644	1975	5644	1793	5896	1247	2039	1869	1332	1998	97899


 Divisional Forest Officer
 Hirakud Wildlife Division
 Sambalpur

A-2187D



2021

OFFICE OF THE DIVISIONAL FOREST OFFICER, HIRAKUD WILDLIFE DIVISION,
MOTIJHARAN, SAMBALPUR, ODISHA, PIN:768001
Phone/Fax : 0663-2548743, Email: dfohirakudwlod@gov.in

Memo No. 159

/3F- 44 /2020-21 Dated.08.01.2021

To

The Principal Chief Conservator of Forests (Wildlife)
& Chief Wildlife Warden, Odisha, Bhubaneswar

Sub: - Mid Winter Water fowl Census – 2021.

Ref: - Your memo No.10041 dt.02.12.2020.


With reference to above cited memo on the captioned subject the Annual Mid-winter Waterfowl Census -2021 was carried out in the Hirakud reservoir and Power Channel on dtd.07.01.2021. During the census 21 teams consists of 72 persons covered entire reservoir area and power channel within the jurisdictional area of Jharsuguda ,Sambalpur & Hirakud Wildlife Division. There are 9 teams from Sambalpur Division, 6 teams from Jharsuguda Division & 6 teams from Hirakud Wildlife Division have participated in the estimation. Apart from forest department staffs, Students from OUAT, North Odisha University, Gangadhar Meher University (GMU) Research Scholar,Sambalpur, NGO, Biju Pattnaik prize awardee, Sambalpur, members of Chadhei Group, Sambalpur, VAS,Chiplima (SVL) ,Birds experts & photographers has also given opportunity to participate in the estimation.

A total number of 1,24,864 birds belonging to 98 species were recorded in the reservoir.

The comparison of the census data along with the detailed report are given below:

Estimation Year	Total Number of Birds Counted		Migratory Birds estimated	
	Number of Birds	Number of Species	No of Birds	No. of Species
2020	97,899	93	82,596	34
2021	1,24,864	98	1,03,117	41

Encl. – As above.


Divisional Forest Officer,
Hirakud Wildlife Division,
Sambalpur

(9/27)

Memo No. 160 Dated. 08/01/2021

Copy forwarded to the Conservator of Forests, O/o. Regional Chief Conservator of Forests, Sambalpur for favour of kind information & necessary action with reference to his Memo No.2384 dated.27.11.2020 & Memo No. 10042 dt. 02.12.2020 of Principal Chief Conservator of Forests (wildlife) & Chief Wildlife Warden, Odisha, Bhubaneswar in his address.

J. Prata 08.01.2021
Divisional Forest Officer,
Hirakud Wildlife Division,
Sambalpur

Memo No. 161⁽²⁾ Dated. 08/01/2021

Copy forwarded to the Divisional Forest Officers, Sambalpur / Jharsuguda (T) Divisions for information and necessary action.

J. Prata 08.01.2021
Divisional Forest Officer,
Hirakud Wildlife Division,
Sambalpur

(A2/2)

			40.																								
Sl. No.	Species	Count	40.	Count	Count	Count	Count	Count	Count	Count	Count	Count	Count	Count	Count	Count	Count	Count	Count	Count	Count	Count	Count	Count	Count	Count	Count
1	Lesser Black-headed Gull L. fuscus	2			1		08			34												3					
2	Great Black-headed Gull L. ichthyoides	106	53		4	415	561			47											28						
3	Brown-headed Gull L. brunnicephalus	14	34		26	92																13					
4	Black-headed Gull L. ridibundus	58	584																								
5	Whiskered Tern Chlidonias leucorhynchos	30	145		14	22	187															86					
6	Gull-billed Tern G. galeata		6																								
7	Indian River Tern S. bergii		42		117	2																					
8	Black Billed Tern S. bergii	25	15																								
9	Little Tern S. albigularis	174	24	109	10	219	1398					86										42					
10	Little Gull											56										4					
11	Indian Skimmer Rhycolopus albicollis				2																						
12	Common Kingfisher	1	22																			3					
13	Pied Kingfisher	4	10		1	2																1					
14	Coprey	1																									
15	Wire-tailed Swallow		28	107																							
16	Green bee Eaters		31																								
17	Brahmny Kite			3																							
18	Black Kite		2																								
19	Swallow											200															
20	White Throated Kingfisher	5	8	5	1	24	3	1														5				16	
21	White Breasted Wagtail	2	3																				2				
22	Bank Myna			5																							
23	Little Ringed Plover		4	50																							
24	Pallas Gull					12																					
25	Pallas fish eagle																										
26	Red muntia																										
27	Serpent eagle	1																									
28	Barn Swallow	2	150	5																							
29	Grey wagtail											23	25													60	4060
30	Eurasian marsh harrier																										
31	Grey fish eagle																										
32	Marsh Harrier																										
33	Small Pratincole					7	17						2														
34	Streaked Swallow					135																					
35	Common Kestrel						311																				
36	Citrine Wagtail																										
37	Straited Grass bird						2																				
38	Clemorous Reed Wabblers						12	32																			
39	Heuglins Gull							38																			
40	Stone Chat							23																			
41	Spotted Red Shank							16																			
42	Reed Bunting							21																			
43	Total	1351	4649	1347	8925	5068	22772	31532	1971	5668	5872	1719	5562	5566	2573	2234	1580	1291	2611	1837	1735	9081	9081	124864			

(2222)

DB. of. 2000
 Divisional Forest Officer
 Hirakud Wildlife Division
 Sambalpur



2022

OFFICE OF THE DIVISIONAL FOREST OFFICER, HIRAKUD WILDLIFE DIVISION,
MOTIJHARAN, SAMBALPUR, ODISHA, PIN:768001
Phone/Fax : 0663-2548743, Email: dfo.hirakudwl@odisha.gov.in

Memo No. 128 /3F- 44 /2020-21 Dated. 09.01.2022

To

The Principal Chief Conservator of Forests (Wildlife)
& Chief Wildlife Warden, Odisha, Bhubaneswar

Sub: - Mid Winter Water fowl Census – 2022.

Ref: - Memo No.7420 dt.05.08.2021 of PCCF (WL) Odisha.

With reference to above cited memo on the captioned subject the Annual Mid- winter Waterfowl Census -2022 was carried out in the Hirakud reservoir and Power Channel on dt.07.01.2022. During the census, 38 number of bird experts were engaged along with staff of Hirakud Division, Jharsuguda Division and Sambalpur Division. The experts includes - experts from OUAT, North Odisha University, members of Chadhei Group (Sambalpur & Sonepur) etc.

A total number of 2,08,634 birds belonging to 104 species were recorded in the whole reservoir area and 5.72 sq km Power channel area. Total census area was divided in 15 sectors and 26 groups with 38 experts. Species wise list of Birds is enclosed in Annexure-II.

The comparison of the census data along with the detailed report are given below:

Estimation Year	Total Number of Birds Counted	
	Number of Birds	Number of Species
2021	1,24,864	98
2022	2,08,634	104

This is for favour of kind information and necessary action.

Note: This year whole Hirakud Reservoir area (excluding Dam restricted area) upto Odisha-Chhatishagarh border has been included in Bird Census-2022 after confirmation from Hirakud Reservoir authorities.

Encl: 1)-Annexure-I: Sector Map.
2)-Annexure-II: Compilation of Waterfowl Census-2022

Divisional Forest Officer,
Hirakud Wildlife Division,
Sambalpur

(23/1)

Memo No. 129 Dated. 09.01.2022

Copy forwarded to the Conservator of Forests, Sambalpur for favour of kind information & necessary action with reference to his Memo No.7421 dated.05.08.2021 of Principal Chief Conservator of Forests (WL) & Chief Wildlife Warden, Odisha, Bhubaneswar in his address.

Divisional Forest Officer,
Hirakud Wildlife Division,
Sambalpur

Memo No. 130 Dated. 09.01.2022

Copy forwarded to the Divisional Forest Officers, Sambalpur / Jharsuguda (T) Divisions for information and necessary action.

Divisional Forest Officer,
Hirakud Wildlife Division,
Sambalpur

(24/27)

Annexure - 11

COMPLETION OF WATER FOWL CENSUS - 2022 HIRAKUD WILDLIFE DIVISION, SAMBALPUR

Sl. No.	Name of the Water Birds	Hirakud W.I. Division						Jhansuguda Division						Sambalpur Division						Total
		Seet 1	Seet 2	Seet 3	Seet 4	Seet 5	Seet 6	Seet 7	Seet 8	Seet 9	Seet 10	Seet 11	Seet 12	Seet 13	Seet 14	Seet 15				
		1	Little Grebe <i>Tachybaptus ruficollis</i>	5	24	0	15	36	55	95	54	14	30	120	110	50	60	152	820	
2	Great Crested Grebe <i>P. cristatus</i>	291	310	318	352	226	419	557	148	1242	115	419	465	2730	145	140	7707			
3	Great Cormorant <i>Phalacrocorax carbo</i>	33	105	54	325	1	1	44	93	141	69	28	7	4	5	4	912			
4	Indian Shag <i>P. javanicus</i>	7	15	0	5	2	31	66	80	150	6	0	0	4	4	64	934			
5	Little Cormorant <i>P. niger</i>	389	709	443	375	749	1359	656	253	729	529	2250	1009	2874	344	408	13076			
6	Oriental Darter <i>Anhinga melanogaster</i>	0	2	2	0	1	0	1	0	0	0	0	0	0	0	0	6			
7	Black-crowned Night Heron <i>Nycticorax nycticorax</i>	0	0	0	16	52	0	0	0	0	0	0	0	0	4	0	72			
8	Indian Pond Heron <i>Ardeola grayii</i>	41	64	165	7	93	109	20	58	23	8	5	49	23	95	33	793			
9	Cattle Egret <i>Bubulcus ibis</i>	19	20	0	87	43	90	23	22	6	93	34	73	22	17	25	574			
10	Little Egret <i>Egretta garzetta</i>	7	21	153	16	165	219	5	32	10	7	7	28	8	45	4	727			
11	Intermediate Egret <i>E. intermedia</i>	54	38	0	8	100	178	81	14	12	34	12	14	22	14	45	626			
12	Great Egret <i>E. alba</i>	33	41	28	26	23	46	24	28	15	70	18	14	11	41	6	424			
13	Purple Heron <i>Ardea purpuracea</i>	3	13	69	4	17	38	0	0	2	5	4	6	30	6	12	209			
14	Gray Heron <i>A. cinerea</i>	0	5	15	4	19	20	8	0	4	0	3	2	3	3	2	88			
15	Black-bills <i>Pelecanus papillosus</i>	0	0	0	2	2	0	0	0	0	0	0	0	0	10	0	14			
16	Asian Openbill <i>Anastomus oscitans</i>	12	24	23	170	155	417	105	2	15	63	6	2	16	95	143	1248			
17	Lesser Whistling Duck	545	384	789	500	7199	11852	17783	3480	2787	2300	2850	1247	179	212	140	52337			
18	Blue-headed Goose <i>Anser indicus</i>	0	0	45	0	0	0	8	61	0	0	0	0	0	0	0	114			
19	Brahminy Ruddy Shelduck <i>Tadorna ferruginea</i>	40	0	0	0	0	0	23	44	0	0	20	0	0	0	0	127			
20	Indian Cooton Teal <i>Nettionus coromandalicus</i>	312	254	25	25	691	834	369	347	263	257	40	77	775	490	110	4869			
21	European Wigeon <i>Anas penelope</i>	0	0	0	105	0	0	10	0	0	0	0	0	0	210	131	456			
22	Gadwall <i>A. strepera</i>	202	124	111	270	529	3689	1224	382	36	533	130	34	60	1107	43	8474			
23	Common Green Winged Teal <i>A. crecca</i>	0	0	0	0	0	0	85	0	0	0	0	0	0	0	0	85			
24	Mallard <i>A. platyrhynchos</i>	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4			
25	Spot-billed Duck <i>A. maculirostris</i>	365	265	315	888	777	865	303	28	98	139	302	355	645	62	64	5471			
26	Northern Pintail <i>A. anas</i>	17	39	488	150	685	636	1403	24	211	0	8	0	90	140	60	3861			
27	Garganey <i>A. querquedula</i>	17	12	50	0	103	229	44	36	0	0	0	0	6	80	15	586			
28	Northern Shoveler <i>A. clypeata</i>	2	12	0	4	0	0	14	12	86	0	0	0	0	0	0	100			
29	Red-crested Pochard <i>ibidonessa rufiflora</i>	0	0	24	312	2512	1632	1617	80	133	1190	0	10	60	3250	400	11220			
30	Common Pochard <i>Anas boschas</i>	0	0	0	974	5254	300	1777	88	214	712	0	0	160	1120	126	10725			
31	Ferruginous Duck <i>A. erythrogastra</i>	0	15	0	5	0	0	90	0	0	0	0	0	0	0	0	110			
32	Tufted Duck <i>A. fuliginea</i>	256	551	825	1273	2452	2507	10253	371	3556	1050	1098	1826	1260	365	30	27677			
33	White-breasted Waterhen <i>A. phoeniceus</i>	3	3	0	0	0	2	0	0	0	3	11	8	9	8	20	67			
34	Moonhen <i>Gallinula chloropus</i>	14	14	0	0	0	0	0	0	0	2	7	16	12	17	31	113			
35	Purple Swamphen <i>Porphyrus porphyrio</i>	0	10	0	0	366	675	202	49	17	68	200	292	33	392	66	2370			
36	Common Coot <i>Fulica atra</i>	0	219	38	0	2111	3580	2316	4670	2254	3049	28	26	425	2370	158	21244			
37	Phoenix-tailed Jacana <i>Hydrophasianus chirurgus</i>	0	0	0	0	15	99	7	4	31	6	20	15	18	133	4	352			
38	Brown-winged Jacana <i>Metopias indicus</i>	0	0	0	1	6	12	0	0	0	2	2	4	5	72	15	117			
39	Black-winged Stilt <i>Himantopus himantopus</i>	0	6	0	0	25	6	48	4	0	0	0	0	48	220	8	359			
40	River Lapwing	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4			
41	Yellow-wattled Lapwing <i>V. malabaricus</i>	0	0	0	5	0	0	0	0	0	7	32	20	4	5	15	182			
42	Red-wattled Lapwing <i>V. indicus</i>	2	5	0	0	12	16	63	1	0	0	0	0	0	0	0	34			
43	Konish Plover	0	0	19	0	0	0	15	0	0	0	0	0	0	0	0	4			
44	Black-tailed Godwit	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4			

(Signature)

Divisional Forest Officer
Hirakud Wildlife Division

(257237)

