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**OFFICE OF THE DIVISIONAL FOREST OFFICER, HIRAKUD WILDLIFE  
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Phone/Fax : 0663-2548743, Email: [dfohirakudwl.od@gov.in](mailto:dfohirakudwl.od@gov.in)**

Letter No. 3560 / 3F/219/2018-19 Dated. 23.08.2021

To

The Member Secretary,  
Central Zoo Authority,  
Govt. of India,  
Ministry of Environment, Forest & Climate Change,  
New Delhi.

Sub: - Submission of Annual Report of the Zoos to the Central Zoo Authority for the year 2020-21.

Respected Sir,

With reference to the above cited captioned subject, I am enclosing herewith the Annual Report of Wild Animal Conservation Centre (WACC) Motijharan, Sambalpur for the year 2020-21 in hard copy and soft copy (PDF format) for favour of your kind information and necessary action.

Encl:- As above.(PDF Format)

Yours faithfully,

Divisional Forest Officer,  
Hirakud Wildlife Division  
Sambalpur

Memo No. 3561 Dt. 23.08.2021

Copy forwarded to the Principal Chief Conservator of Forests (Wildlife), and Chief Wildlife Warden, Odisha, Bhubaneswar for information & necessary action.

Divisional Forest Officer,  
Hirakud Wildlife Division  
Sambalpur

Memo No. 3562 Dt. 23.08.2021

Copy forwarded to the Conservator of Forests, Sambalpur Circle for favour of kind information & necessary action.

Divisional Forest Officer,  
Hirakud Wildlife Division  
Sambalpur

# Wild Animal Conservation Centre, Motijharan Zoo, Sambalpur

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## Annual Report for the year 2020-21

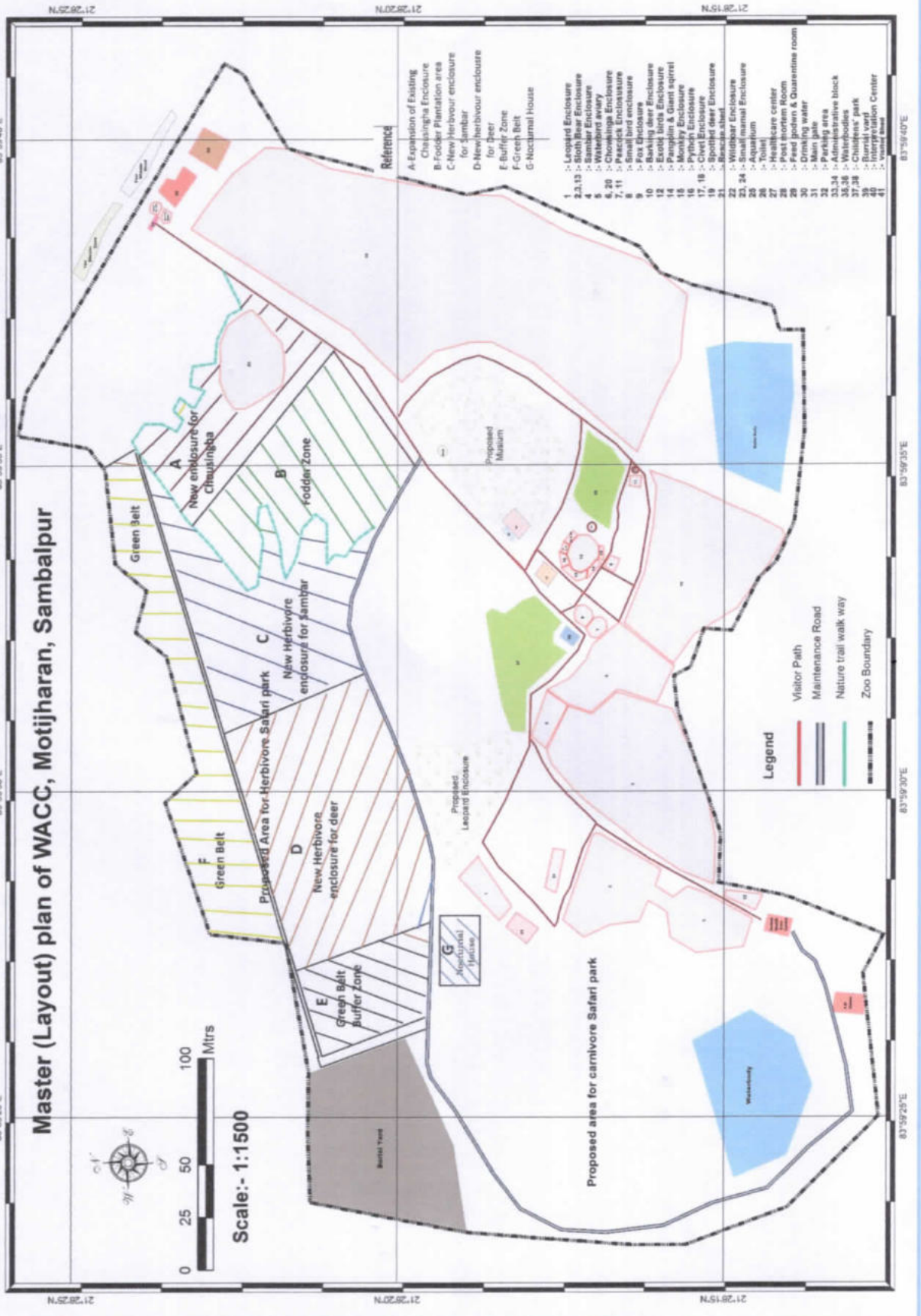


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Divisional Forest Officer,  
Hirakud Wildlife Division, Sambalpur



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1. **Report of the Officer-in-charge:-** Divisional Forest Officer, Hirakud Wildlife Division, Sambalpur

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2. **History of the Zoo:-**

The present day **Wild Animal Conservation Centre (WACC)** had made its humble beginning as the **Motijharan Deer Park**,. With 6 Ha. of area inside Motijharan RF in the year 1980. It was established with the main aim of keeping of deer for purpose of recreation of public as well as conservation of some wild animals rescued from captivity. At the inception of the Deer Park, the animals placed at display were 69 numbers of mammals, 3 birds and 1 reptile. It was under the administrative control of Sambalpur Territorial Division. Subsequently, it was transferred to Badrama Wild Life Division with effect from 01.04.1986 vide the office order no. 10/F (WL). 20/86-224 dated. 27.02.86 of the CCF, Orissa, Cuttack. The Central Zoo Authority, New Delhi, approved its existence vide Memo no. 19-3/93 CZA 20611 dt. 09.10.1996. In the year 2000, the area of the then Motijharan Deer Park, was extended from 6 hectares to 13.16 hectares. Subsequently efforts were made to obtain recognition as a mini zoo from the CZA of India. Accordingly the Deer Park got the status of a Mini Zoo in the year 2005 vide CZA F.No.19-3/93-CZA (201)(Vol II)(M) dated 10.08.2005, valid up to 31.08.2009. In the year 2006 in order to recognize of the efforts for conservation and rehabilitation of 4 bear cubs seized in a wild life case, the Deer Park was renamed as Wild Animal Conservation Centre on 17.06.2006. Subsequently, the Centre was given recognition as a Rescue Centre vide CZA F.No.19-3/93-CZA(201)(M) dated 27.07.2010, valid up to 31.07.2011. Currently It has been bestowed the status of a small zoo renewed by CZA vide CZA Office Memorandum F No.7-10/2020-CZA(Part-1) dated 25.08.2020 valid upto 19.08.2021. Thus, it is the second largest Govt. owned ex-situ conservation facility in Odisha exhibiting maximum number of species, after Nandankanan Biological Park.

3. **Vision of the Zoo**

The vision of Wild Animal Conservation Centre, Motijharan, Sambalpur is "to develop it as a scientific institution engaged in animal welfare and conservation of wildlife", through proper care of wildlife, conservation of endangered species and creating awareness among public.

4. **Mission of the Zoo:**

- Compliment the national efforts in conservation of wildlife through planned coordinated conservation breeding of endangered wild animal species of the region.
- Develop amongst visitor's an empathy for wild animals and motivate them to support the cause of conservation of wildlife.
- Develop amongst visitors an understanding about the ecological linkages with the life supporting processes of nature and the need for keeping them intact by adopting sustainable life styles and living in harmony with nature.
- To act as Rescue Centre by receiving and keeping orphaned, seized, rescued, injured wild animals subject to availability of appropriate housing for the same.

**5. Objectives:**

Objectives of the establishment of the zoo were as follows:

1. To provide adequate facilities for housing of rescued animals, and to plan rehabilitation of rescued animals to their natural habitat by following existing guidelines in this regard.
2. To provide appropriate health care of housed animals by ensuring proper nutrition, more natural surroundings and necessary veterinary care.
3. To plan proper educational activities to generate public awareness regarding conservation of forests and wildlife.
4. To ensure conservation breeding of rare and endangered species such as Four horned antelope.
5. To organize the training of the Zoo personnel on maintenance and upkeep of animals in the zoo.
6. To conduct research on various themes related to ex-situ conservation.

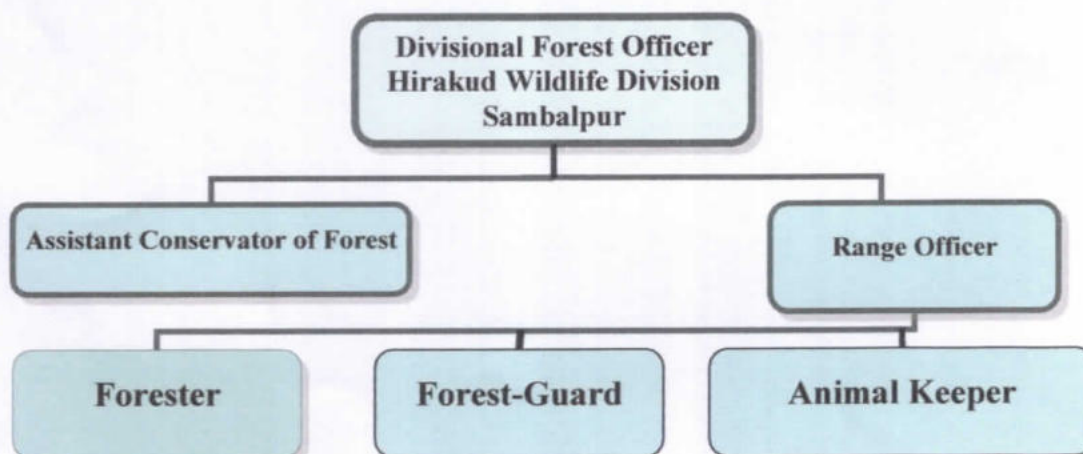
**6. About us**

S.No.	Particulars	Information
<b>Basic Information about the Zoo</b>		
1	Name of the Zoo	Wild Animal Conservation Centre, Sambalpur
2	Year of Establishment	1980
3	Address of the Zoo	Wild Animal Conservation Centre, Deer Park, Motijharan, Sambalpur
4	State	Odisha
5	Telephone Number	+91-96681-83560
6	Fax Number	NIL
7	E-mail address	wacc86.hirakud@gmail.com
8	Website	NIL
9	Distance from nearest	Airport:- 60 KM Railway Station:- 3 KM Bus Stand:- 3KM
10	Recognition Valid upto (Date)	19.08.2021
11	Category of zoo	Small Zoo
12	Area (in Hectares)	13.16 Ha.
13	Number of Visitors (Financial Year)	Adult :- 5 year above-59112 nos during the financial year 2020-21 Children :- NIL Total Indian :- 59112 nos. Total Foreigners :- NIL Total Visitors:- 59112 nos.
14	Visitors' Facilities Available in Zoo	1. 3nos of Mini Children Park with playing instruments for children. 2. Mini artificial Water fall. 3. Hill Track (0.5kms)

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S.No.	Particulars	Information
		4. Sit out area 5. Garden 6. Visitors Shed 7. Cool Aqua-guard drinking water 8. Toilet Room (Gents/Ladies) 9. 2nos of Kiosk 10. Paver laid parking area 11. Wheel Chair for physically handicapped person. 12. Mini Aquarium 13. First Aid Measure
15	Weekly Closure Day of the Zoo	<b>Every Monday</b>
<b>Management Personnel of the zoo</b>		
16	Name with designation of the Officer in-charge	<b>Miss Sarmili Naik, Dy. Range Officer</b>
	Name of the Veterinary Officer	NIL
	Name of the Curator	NIL
	Name of the Biologist	NIL
	Name of the Education Officer	NIL
	Name of the Compounder/ Lab Assistant	NIL
<b>Owner / Operator of the Zoo</b>		
17	Name of the Operator	<b>Divisional Forest Officer, Hirakud Wildlife Division, Sambalpur</b>
18	Address of the Operator	<b>At- Deer Park, Motijharan Po/Dist.- Sambalpur, PIN-768001</b>
19	Contact details/Phone number of Operator	<b>94379-60604</b>
20	E-mail address of Operator	<b>dfohirakudwl.od@gov.in</b>

### 7. Organizational Chart



**8. Human Resources**

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**Manpower of the Zoo\***

Sl.No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1	Forest Ranger	1	Nil
2	Dy. Range Officer	-	Miss Sarmili Naik
3	Forester	2	1.Sri Goutam Balua 2.Sri Bikramaditya Behera
4	Forest Guard	3	1. Sri Pradeep Ku. Dhal 2.Smt. Pratima Pradhan
5	Animal Keeper	2	1.Sri Gokula Sandha (TS) 2. Sri Sushanta Ku.Dhulia

**9. Capacity Building of zoo personnel**

Sl. No.	Name and designation of the zoo personnel	Subject matter of Training	Period of Training	Name of the Institution where the Training attended
1	Sri Sushanta Ku.Dhulia, Animal Keeper	Zoo Keeper Training	09.02.2021 to 12.02.2021	Kananpendari Zoo, Bilaspur
2.	Sri Sushanta Ku.Dhulia, Animal Keeper	Refresher Training (virtual mode) on Wildlife Health Management	23.02.2021 to 25.02.2021	Virtual Mode

**10. Zoo Advisory Committee –**

- 1.1. Date of constitution: Nil
- 1.2. Members : Nil
- 1.3. Dates on which Meetings held during the year : Nil

**11. Health Advisory Committee–**

- 1.4. Date of constitution : Nil
- 1.5. Members : Nil
- 1.6. Dates on which Meetings held during the year: Nil

**12. Statement of income and expenditure of the Zoo upto March-2021.**

Sl No.	Particulars	Amount	Expenditure
1	Zoo Entry-Ticket	Rs. 5, 91, 112.00	Deposited in Corpus Fund.
2	Parking Fees	Rs. 5, 200.00	-do-

## 13. Daily feed Schedule of animals

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Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
1	Spotted Deer (110nos) 110 kg	Kulthi 20.5%	0.205kg	0.205kg	
		Chokar 23%	0.23kg	0.23kg	
		Maka 25.50%	0.255kg	0.255kg	
		Kunda 23%	0.23kg	0.23kg	
		B.Cake 5.50%	0.055kg	0.055kg	
		Salt 1.25%	0.0125kg	0.0125kg	
		Vitamin & Mineral 1.25%	0.0125kg	0.0125kg	
		Grass	3kg	3kg	
		Fodder	1kg	1kg	
2	Sambar (26nos) 52 kg	Kulthi 20.5%	0.41kg	0.41kg	
		Chokar 23%	0.46kg	0.46kg	
		Maka 25.50%	0.51kg	0.51kg	
		Kunda 23%	0.46kg	0.46kg	
		B.Cake 5.50%	0.11kg	0.11kg	
		Salt 1.25%	0.025kg	0.025kg	
		Vitamin & Mineral 1.25%	0.025kg	0.025kg	
		Grass	6kg	6kg	
		Fodder	2kg	2kg	
Vegetable	182gm	182gm			
3	Barking Deer (13nos) 6.5 kg	Kulthi 20.5%	0.1025kg	0.1025kg	
		Chokar 23%	0.115kg	0.115kg	
		Maka 25.50%	0.1275kg	0.1275kg	
		Kunda 23%	0.115kg	0.115kg	
		B.Cake 5.50%	0.0275kg	0.0275kg	
		Salt 1.25%	0.00625kg	0.00625kg	
		Vitamin & Mineral 1.25%	0.00625kg	0.00625kg	
		Grass	1.5kg	1.5kg	
		Fodder	0.500kg	0.500kg	
4	Chousingha (21nos) 10.5 kg	Kulthi 20.5%	0.0615kg	0.0615kg	
		Chokar 23%	0.069kg	0.069kg	
		Maka 25.50%	0.0765kg	0.0765kg	
		Kunda 23%	0.069kg	0.069kg	
		B.Cake 5.50%	0.0165kg	0.0165kg	
		Salt 1.25%	0.00375kg	0.00375kg	
		Vitamin & Mineral 1.25%	0.00375kg	0.00375kg	
		Grass	0.9kg	0.9kg	
		Fodder	0.3kg	0.3kg	
Green Leaf	43.10gm	43.10gm			
Vegetable	69gm	69gm			
5	Wild-Boar (1no) 1 kg	Kulthi 20.5%	0.205kg	0.205kg	
		Chokar 23%	0.23kg	0.23kg	
		Maka 25.50%	0.255kg	0.255kg	
		Kunda 23%	0.23kg	0.23kg	
		B.Cake 5.50%	0.055kg	0.055kg	
		Salt 1.25%	0.0125kg	0.0125kg	
		Vitamin & Mineral 1.25%	0.0125kg	0.0125kg	
		Rice	500gm	500gm	
		Biri Dal	8gm	8gm	
6	Sloth Bear (4nos)	Omfed Milk	2 pkt	2 pkt	
		Rice	0.5kg	0.5kg	
		Biri Dal	37.5gm	37.5gm	
		Honey	20gm	20gm	

		Sugar-Cane/Guda	58.7gm	58.7gm
		Seasonal Fruits	0.5kg	0.5kg
7	Leopard (1no)	Chicken/Mutton	1.5kg	1.5kg
8	Python (3nos)	Live Hen	1kg	1kg
9	Civet-Cat (4nos)	Omfed Milk	0.33pkt	0.33pkt
		Rice	50gm	50gm
		Banana	3pcs	3pcs
		Chicken	75gm	75gm
10	Fox (1no)	Rice	100gm	100gm
		Chicken	100gm	100gm
11	Pea-fowl (6nos)	Grain, Wheat etc.	500gm	500gm
		Green-Leaf	250gm	250gm
12	Monkey (2nos)	Apple	200gm	200gm
		Banana	6pcs	6pcs
		Vegetable	350gm	350gm
		Grain	50gm	50gm
13	Parakeet/Dove (53nos)	Banana	0.11pcs	0.11pcs
		Apple	0.00192kg	0.00192kg
		Grain	0.00384kg	0.00384kg
14	Exotic Birds (30nos)	Poultry Feed	0.0222gm	0.0222gm
15	Giant Squirrel (1no)	Vegetable	300gm	300gm
16	Mongoose (2nos)	Chicken	50gm	50gm
		Rice	50gm	50gm



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**14. Vaccination Schedule of animals**

Sl.No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
1	Chousingha	Hemoragic Septicemia, FMD	HS Vaccine, 2ml Subsequently, FMD Vaccine	HS – 28.09.2020 BQ – 16.11.2020	

**15. De-worming Schedule of animals**

Sl.No.	Species	Drug used	Month
1	For All Species	Fecal sample examination medicines are provided as per worm load with diseases per advice of VAS.	1 <sup>st</sup> week of the month with a interval of 3 months.

**16. Disinfection Schedule**

Sl.No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	All Species	All open enclosure	Weeds clearance within the enclosure during rainy season & after rains is being carried out.	During after rainy season
2	-	Entry Gate, Public Toilet, Visitor sit out area, drain	Weekly bleaching the Entry Gate area, Public Toilet area along the paths & drinking area site, drain etc and Sanitize Main Gate.	Weekly once
3	Sloth Bear, Exotic Birds & Monkey	Housed enclosure	Turmeric Powder are provided with food ( Mixed in the time of cooking food)	Every alternate day
4	Exotic Birds, Monkey & Chousingha	Open Enclosure & Housed Enclosure	Neem tree branches are provided to Chousingha, Birds & Monkey	Jan, Apr, July, Oct
5	Chousingha, Exotic Birds, Small Animals	-do-	Boiling the utensils in the hot water for once a week	Once a week
6	Exotic Birds	Housed Enclosure (Aviary)	Sand filling of surface area and taking out the waste materials and filling new	Once a year
7	All Species	All Enclosure	Liming, colouring & Painting inside & outside wall surface of the enclosure followed by painting the grills & gate	Once a year
8	All ungulates species	All enclosure	Liming the surface of enclosures after separating the animals	Twice in a year
9	All species	All enclosure	Cleaning & washing the feeding & water container, floor, cages with potassium permanganate solution, Phenyl applying to outside drain & corridor of each enclosure	Once in a day

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10	All Species	All enclosure	Footbath are prepared with potassium permanganate solution (Staffs are entered through footbath by cleaning their leg in potassium permanganate solution every day)	Every day
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### 17. Health Check-up of employees for zoonotic diseases

Due to COVID-19 this year Health Check-up could not be done.

### 18. Development Works carried out in the zoo during the year

- Printing of Ticket
- Maintenance of Fire Line
- Weeds Clearance
- Construction of Kitchen room
- Construction of 1<sup>st</sup> Floor of Permanent Protection Camp Shed.
- Colouring of zoo enclosures.



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**19. Education and Awareness programmes during the year-**

- i. Celebration of Wildlife Week
- ii. Celebration of Vanamahostav

**20. Important Events and happenings-**

- i. Celebration of WACC establishment day i.e. 7<sup>th</sup> June every year.
- ii. Celebration of 26<sup>th</sup> January, 15<sup>th</sup> August & New Year Day for Visitors & School Children and imparting Wildlife Education & its conservation every year.

**21. Seasonal special arrangements for upkeep of animals:****Winter Season**

- Straw Spreading on the surface of enclosure for warm for all enclosure.
- Straw spreading & 200watt bulbs provided for warm for Python Enclosure.
- Green Net cover by all opened house enclosure for upkeep during winter & 200watt bulbs provided for warm for bird enclosure.

**Summer Season**

- Supply of anti stress medicine like K-Grand Powder, Imo grow to animals & birds during March - June.
- Supply of Sugar-Cane Juice & Water-Melon to Bear
- Supply of Water-Melon for all species except Leopard, Spotted Deer, Sambar, Barking Deer & Python.
- The resting sheds and the feeding chambers have been covered with straw to prevent penetration of heat.
- The enclosures are being sprinkled with water to reduce the temperature.
- Sufficient Water is supplied to artificial pools in Sambar and Wild-Pig Enclosure for their wallowing.
- Air Coolers is provided to Leopard enclosure during summer.
- Pre monsoon
- Spreading of Lime in every enclosure



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**22. Research Work carried out and publications:**

- i. Leaflet distribution on faunal diversity of WACC Campus, Sambalpur.

**23. Conservation Breeding Programme of the Zoo – Conservation breeding programme of the zoo – Nil****24. Animal acquisition / transfer / exchange during the year**

A. Animals arriving in the Zoo						
H.NO.	Species	Number			From which Zoo	Date of arrival in the zoo
		M	F	K		
No such acquisition, exchange during the year in the zoo.						
B. Animals going from the zoo						
H.NO.	Species	Number			Going to which Zoo	Date of deposition from the zoo
		M	F	K		
18	Python	-	-	10	Nandankanan Zoological Park, Bhubaneswar	Dt. 26.07.2020

**25. Rescue and Rehabilitation of wild animals carried out by the Zoo**

Sl.No.	Date of Rescue	Species with number of animals rescued with their sex (M: F:U:T)	Received from	Date of Submission of Report to the CWLW / CZA	Action taken	
					Date and Place of rehabilitation in their habitat	Reasons for housing in the zoo, if not released in their habitat
1	09.01.2021	U	Khandabeda KF of Khamar Forest Range of Deogarh Forest Division	Memo No. 94 Dtd. 06.01.2021 of Deogarh Forest Divison, Deogarh	-	Due to kid, Sloth Bear cub could not released in nature.

## 26. Annual Inventory of animals

Inventory Report for the Year: 2020-21

## Endangered Species

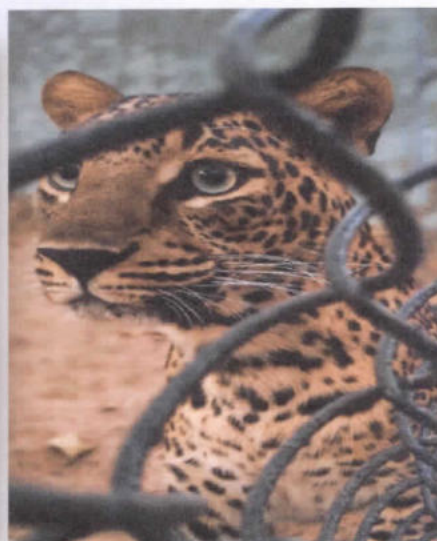
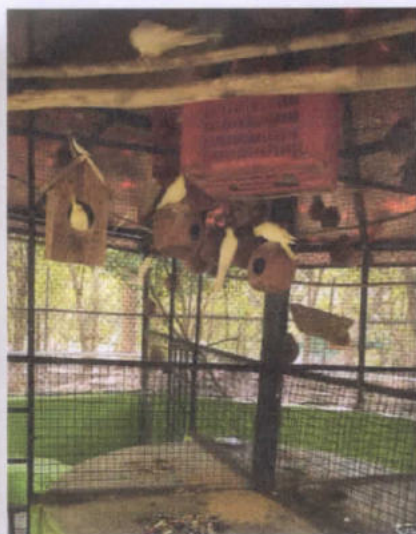
Sl No	Animal Name	Scientific Name	Opening Stock as on 01.04.2020			Births			Acquisitions			Disposals			Deaths			Closing Stock as on 31.03.2021					
			M	F	K	M	F	K	M	F	K	M	F	K	M	F	K	M	F	K	Total		
	Bird																						
1.	Indian Pea Fowl	<i>Pavo cristatus</i>	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	6
	<b>Total Birds</b>		<b>2</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>6</b>	
	Mammals																						
1.	Leopard	<i>Panthera pardus</i>	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
2.	Sloth Bear	<i>Melurus ursinus</i>	2	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	2	1	1	4	
3.	Rhesus Monkey	<i>Macaca mulatta</i>	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
4.	Bengal Fox	<i>Vulpes bengalensis</i>	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
5.	Asian Civet Cat	<i>Paradoxurus hermaphrodites</i>	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	4		
6.	Horn-horned Antelope	<i>Tetracerus quadricornis</i>	6	17	1	0	0	0	0	0	0	0	0	1	2	0	5	15	1	21			
7.	Indian Giant Squirrel	<i>Ratufa indica</i>	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1			
8.	Common Mongoose	<i>Herpestes edwardsii</i>	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2			
	<b>Total Mammals</b>		<b>12</b>	<b>26</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>11</b>	<b>23</b>	<b>2</b>	<b>36</b>		
	Reptile/Amphibians																						
1.	Indian Rock Python	<i>Python melurus</i>	1	2	0	0	0	10	0	0	0	0	10	0	0	0	1	2	0	3			
	<b>Total Reptiles/ Amphibians</b>		<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>3</b>				
	Invertebrate																						
1.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	<b>Total Invertebrate</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>				
	<b>Total Animals</b>		<b>15</b>	<b>32</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>14</b>	<b>29</b>	<b>2</b>	<b>45</b>		

## Other than Endangered Species

Sl No	Animal Name	Scientific Name	Opening Stock as on 01.04.2020			Births			Acquisitions			Disposals			Deaths			Closing Stock as on 31.03.2021			
			M	F	K	M	F	K	M	F	K	M	F	K	M	F	K	M	F	K	Total
	Bird																				
1.	Alexandrine Parakeet	<i>Psittacula eupatria</i>	22	27	0	0	0	0	0	0	0	0	0	0	0	0	22	27	0	49	
2.	Spotted Dove	<i>Streptopelia chinensis</i>	2	2	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4	
3.	Budgerigar	<i>Melopsittacus undulatus</i>	2	2	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4	
4.	Cockatiel	<i>Nymphicus hollandicus</i>	14	12	0	0	0	0	0	0	0	0	0	0	0	0	14	12	0	26	
	<b>Total Birds</b>		<b>40</b>	<b>43</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>43</b>	<b>0</b>	<b>83</b>	
	Mammals																				
1.	Spotted Deer	<i>Axis axis</i>	59	42	9	0	0	0	0	0	0	0	0	0	0	0	60	45	5	110	
2.	Barking Deer	<i>Muntiacus muntjac</i>	4	4	4	0	0	1	0	0	0	0	0	0	0	0	4	4	5	13	
3.	Sambar Deer	<i>Rusa unicolor</i>	4	7	8	0	0	7	0	0	0	0	0	0	0	0	6	13	7	26	
4.	Wildboar	<i>Sus scrofa</i>	2	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	
	<b>Total Mammals</b>		<b>69</b>	<b>53</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>71</b>	<b>62</b>	<b>17</b>	<b>150</b>	
	<b>Total Animals</b>		<b>109</b>	<b>96</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>111</b>	<b>105</b>	<b>17</b>	<b>233</b>	
	<b>G.TOTAL</b>		<b>124</b>	<b>128</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>125</b>	<b>134</b>	<b>19</b>	<b>278</b>

## 27. Monthly Live Stock Return of WACC for the month of March-2021.

Name of the Species	Opening Balance			Rescued during the Month			Born during the Month			Total			Dead/Disposed/Released during the Month			Closing Balance			Total
	Male	Female	Kid	Male	Female	Kid	Male	Female	Kid	Male	Female	Kid	Male	Female	Kid	Male	Female	Kid	
LEOPARD	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
SLOTH BEAR	2	2	1	0	0	0	0	0	0	2	2	1	0	1	0	2	1	1	4
FORN-HORNED ANTILOPE	5	15	1	0	0	0	0	0	0	5	15	1	0	0	0	5	15	1	21
SAMBAR DEER	6	13	7	0	0	0	0	0	0	6	13	7	0	0	0	6	13	7	26
PEACOCK	2	4	0	0	0	0	0	0	0	2	4	0	0	0	0	2	4	0	6
PARAKEET	22	27	0	0	0	0	0	0	0	22	27	0	0	0	0	22	27	0	49
SPOTTED DOVE	2	2	0	0	0	0	0	0	0	2	2	0	0	0	0	2	2	0	4
BENGAL FOX	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
BARKING DEER	4	4	5	0	0	0	0	0	0	4	4	5	0	0	0	4	4	5	13
BUDGERIGAR	2	2	0	0	0	0	0	0	0	2	2	0	0	0	0	2	2	0	4
COCKATIEL	14	12	0	0	0	0	0	0	0	14	12	0	0	0	0	14	12	0	26
GAINT SQUIRREL	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1
MONGOOSE	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	2
PYTHON	1	2	0	0	0	0	0	0	0	1	2	0	0	0	0	1	2	0	3
SPOTTED DEER	60	45	5	0	0	0	0	0	0	60	45	5	0	0	0	60	45	5	110
MONKEY	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	2
WILDBOAR	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1
CIVET CAT	1	3	0	0	0	0	0	0	0	1	3	0	0	0	0	1	3	0	4
<b>TOTAL</b>	<b>125</b>	<b>135</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>125</b>	<b>135</b>	<b>19</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>125</b>	<b>134</b>	<b>19</b>	<b>278</b>



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## 28. Mortality of animals

Sl.No.	Animal Name (with individual identification mark, if any)	Scientific Name	Sex	Date of Death	Reason of Death as per the Post-mortem report
1	Wildboar	Sus scrofa	M	09.05.2020	Due to respiratory insufficiency & myocardial shock
2	Forn-horned Antelope	Tetracerus quadricornis	F	21.05.2020	Due to respiratory insufficiency and cardiac shock
3	Forn-horned Antelope	Tetracerus quadricornis	F	11.06.2020	Due to Toxemia
4	Forn-horned Antelope a	Tetracerus quadricornis	M	17.11.2020	Due to Pneumonia
5	Sloth Bear	Melurus ursinus	F	31.03.2021	Due to Pyloric stenosis by the benign tumor, severe infection, respiratory insufficiency, shock and death.

## 29-Compliance with conditions stipulated by the Central Zoo Authority

Sl. No	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Remarks	
					Status with regard to compliance of the conditions as submitted by the Officer-in-charge of the Zoo	Status with regard to compliance as noted physically by the evaluator during the
<b>1. General Requirements</b>						
1	1.6	The provision of the separate entry & exit to the residential colony inside zoo should be made.	One year	One Years Six Months	The Residential colony located inside the Zoo has already relocated to outside.	
2	1.9	Ducks and Rabbits should be immediately removed from the Zoo.	Immediately	Two Years Six Months	4 nos. of Ducks (Swan) have already been removed from the Zoo. No Rabbits are there in the Zoo.	
<b>2. Administrative and Staffing Pattern</b>						
3	2.1	The zoo should have whole time officer-in-charge with adequate administrative and financial powers.	Immediately	Already Present	One Range Officer has already been given the charge of Zoo management with adequate administrative and financial power. This Range Officer has not given any charge other than management of the zoo.	

	2.2	Veterinarian, Curator, Education Officer & Biologist should be employed as per Rules for the Zoo.	Immediately	For Approval	The Principal Chief Conservator of Forests(Wildlife) and Chief Wildlife Warden, Odisha, Bhubaneswar have been requested to take necessary steps for posting of one VAS as there is one sanctioned post of VAS lying vacant at WACC, Sambalpur. Further, he has also been requested to create sanctioned post for Curator, Education Officer, Biologist in WACC, Sambalpur which is intimated vide this office Memo No.1781 dt.26.05.2018 and No.1492dt.15.05.2019.	
<b>3. Developments and Planning</b>						
4	3.1	Zoo should get the Master Plan approved by the Central Zoo Authority.	Six month	Submitted	The Master Plan of Zoo has already been prepared for the Zoo and submitted to Central Zoo Authority for approval vide this office Memo No. 2915 dt.28.09.2016. The same has returned by Central Zoo Authority with some observations. The compliance has been submitted vide this office letter No.2277 dt.18.07.2019 to PCCF(Wildlife) & also the PCCF(Wildlife),Odisha has submitted Master Plan to Member secretary vide Memo No. 8055dt.29.09.2019.	
5	3.4	Animal collection plan should be prepared and be submitted along with the Master Plan for approval of the CZA.	Six month	Submitted	The Animal collection plan has prepared and will be submitted along with Master Plan of the zoo, for approved.	
<b>4. Animal Housing, display of animals &amp; animal enclosures</b>						
6	4.5	The area & design of Sloth bears enclosure near small mammal & primate enclosures should be improved as per CZA guidelines.	One year	Two years Four months	Sloth Bear has been shifted to the new enclosure. Rhesus Macaque has also been shifted to new enclosure. Enclosure of Mongoose, Giant Squirrel and Civet cat have been given some natural enrichment. In the new Master plan, new enclosures for those animals have proposed to be built as per guidelines of Central Zoo Authority.	
7	4.6	The enclosure especially of birds should be enriched by planting bushes inside the enclosure.	Three month	Two years Four months	Measures have already been taken to plant bushes inside bird enclosures.	
8	4.7	Adequate screenings should be done particularly in between Sambar deer & Wild pig enclosure.	Three month	Six months	The adequate screenings have already been done between Sambar Deer and Wild pig enclosures.	

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9	4.9	Hedge should be planted where missing especially in small mammals & python enclosures.	Three month	Six months	Hedge planting have already been done within small mammals and python enclosures.	
10	4.10	Bilingual signage's should be developed with one language being local language and including information pertaining to biology and behaviour of species and species distribution map.	Three month	One year Six month	Bilingual signage's has already been provided with information pertaining to biology and behaviour of species and species distribution map, near all enclosures.	

### 5. Upkeep and healthcare of animals.

10	5.1 (g)	Footbaths should be made in each enclosure.	Three month	Six months	The Footbaths have already been provided in each enclosure.	
11	5.3 (3)	Written schedule for deforming should be displayed at every enclosure.	Immediately	Six months	Written should for deforming have already been displayed in every enclosure.	
12	5.3 (6)	Staff should be screened against zoonotic diseases once every year & record should be maintained.	One year	Three months	Screening of staff against zoonotic disease is being done every year & record is being maintained.	

### 6. Veterinary and Infrastructure facilities.

13	6.1(a&b)	Zoo should develop full fledged veterinary unit.	Provision should be included in master plan & develop soon after its approval.	Mentioned in Master Plan.	Presently a small veterinary unit with necessary instruments and medicines is there in the zoo. Separate post-mortem unit is also there. Provision will be made in the Master Plan of the Zoo to have as full fledged Veterinary unit.	
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### 7. Acquisition and breeding of animals.

14	9.1	One Giant squirrel and mongoose housed singly should be paired or shifted to other recognised zoo.	Six month	One year Six months	The mongoose has already paired and attempts are under progress to pair the single Giant squirrel in the in the Zoo.	
15	9.9(b)	Population control measures should be carried out for prolific breeding species especially in Spotted deer & four horned antelope.	Immediately	Measure Taken for Population Control by release in nature.	Population control measures are being practiced in case of Spotted Deer and Four horn Antelope.	
16	9.10	Disaster management plan should be included in master plan.	Immediately	Mentioned in Master Plan	The Disaster management plan will be included in the Master Plan of Zoo.	

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<b>8. Education and Outreach Activities.</b>						
17	11.1	Zoo should take up the educational activities to the visitors.	Immediately	One year	The Educational activities to school/collage students have already been started.	
<b>9. Visitors facilities</b>						
19	12.1&3	Ramps should be constructed for Divyang visitors and arrangements of wheel chair should be made.	Immediately	Six months	Ramps have already constructed and wheel chairs have also been made available in the premises of zoo for facilitating the visitors.	

### 30.-List of free living wild animals within the zoo premises

- a. Mammals : - Bat & Mangoose found inside zoo area.
- b. Birds :- Variety of birds found inside zoo area like Egret, Heron, Kites, Owl, Oriole, Dove, Crow, Maina.
- c. Reptiles :- Snakes like Russell Vipers, Dhamana, Cobra, & reptile like Chameleon
- d. Amphibians : - Frogs are found inside Zoo premis

Divisional Forest Officer  
Hirakud Wildlife Division  
Sambalpur