

**ANNUAL REPORT OF
SAMBALPUR ZOO & CONSERVATION CENTER**

MOTIJHARAN SAMBALPUR

(FOR THE YEAR 2023-24)

DIRECTOR, SAMBALPUR ZOO-CUM-DFO

HIRAKUD WILDILFE DIVISION

SAMBALPUR

(TOTAL PAGE-15)

1. Report of the Officer-in-charge: -

Management of Zoological Parks has become highly technical with the changing scenario in the concept of captive wildlife management and conservation breeding programme. As per the National Zoo policy 1988 priority is to be given for conservation, education and research and welfare of captive wild animals in zoos. Sambalpur Zoo & Conservation Centre, Motijharan, Sambalpur aims to have excellent ex-situ conservation facilities to support in-situ conservation in forests of Odisha State, especially in Western Region.

2. History of the Zoo: -

“Sambalpur Zoo & Conservation Centre (SZCC)”, Motijharan, Sambalpur started with 6 Ha. of area in the year 1980. It was established with the main aim of conservation of wild animals rescued from captivity for creating awareness amongst the public and for enabling breeding of endangered and rare animals.

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 Forest Division. Subsequently, it was transferred to Badrama Wildlife Division with effect from 01.04.1986 vide 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 for a year; vide memo no. 19-3/93 CZA 20611 dt. 09.10.1996. In the year 2000, the area of the minizoo called the Motijharan Deer Park was extended from 6 hectares to 13.58 hectares. During the process of re-organization in the year 2003, the Badrama Wildlife Division was renamed as Hirakud Wild Life Division.

Subsequently efforts were made to obtain recognition as a mini zoo from the Central Zoo Authority of India. Accordingly, the Deer Park has got the status of a mini zoo, with validity up to 31.08.2009. In year 2006, in order to recognize efforts for conservation and rehabilitation of 4 bear cubs seized in a wild life case, the Deer Park was renamed by the CZA as Wild Animal Conservation Center (WACC) on 17.06.2006. Vide file.No. 19-3/93-CZA(201)(NE) dated 12.12.2022, on renewal of recognition of Wild Animal Conservation Centre, Motijharan, Sambalpur under Section 38-H(1),(3) & (4) of the Wild Life (Protection) Act,1972 CZA has decided to grant renewal of recognition to WACC as a “Small Category Zoo” for a period up to 07.12.2024.

The Wild Animal Conservation Centre, Motijharan, Sambalpur has been renamed as “Sambalpur Zoo and Conservation Centre”, Motijharan, Sambalpur vide No. FE-WLF-0019-2023-15240 dt. 20.07.2023 of Govt. of Odisha Forest, Environment & Climate Change Dept.

3. Vision of the Zoo :-

The vision of Sambalpur Zoo & 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 visitors 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:

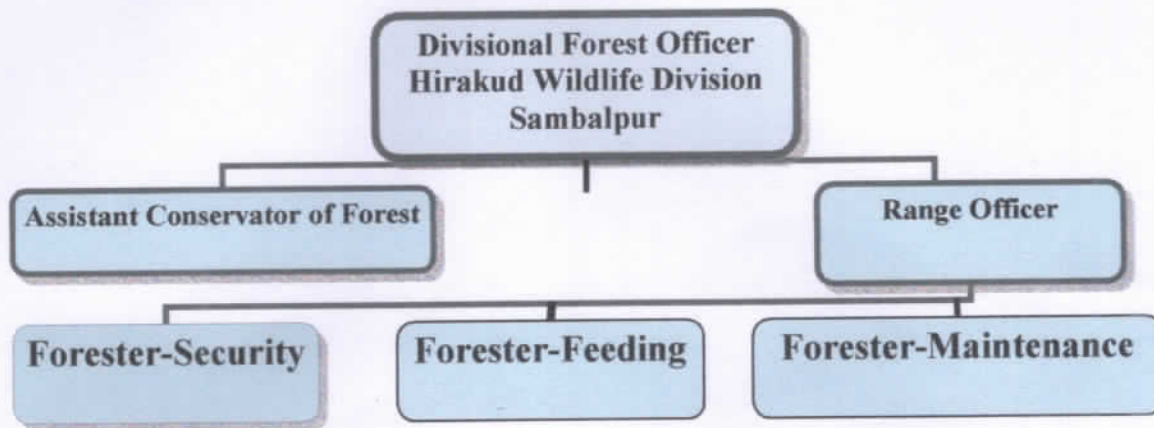
- To provide adequate facilities for housing of rescued animals, and to plan rehabilitation of rescued animals to their natural habitat by following existing guidelines in this regard.
- To provide appropriate health care of housed animals by ensuring proper nutrition, more natural surroundings and necessary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

6. About us :-

S.No.	Particulars	Information
Basic Information about the Zoo		
1	Name of the Zoo	Sambalpur Zoo and Conservation Centre
2	Year of Establishment	1980
3	Address of the Zoo	Hirakud Wildlife Division, P.O- Motijharan, Dist. Sambalpur, PIN- 768 001, State-Odisha.
4	State	Odisha
5	Telephone Number	0663-2548743
6	Fax Number	0663-2548743
7	E-mail address	hirakudwildlife1@gmail.com
8	Website	
9	Distance from nearest	Airport: Jharsuguda Railway Station: Sambalpur Bus Stand: Ainthapali
10	Recognition Valid upto (Date)	07.12.2024
11	Category of zoo	Small Zoo
12	Area (in Hectares)	13.58
13	Number of Visitors (2023-2024)	Adult: 149664 Children: 64141 Total Indian: 213805 Total Foreigners: 0 Total Visitors: 213805
14	Visitor's Facilities Available in Zoo	<ul style="list-style-type: none">• Public facilities like toilets• Sufficient number of drinking water taps• Kiosks and restaurant• Emergency telephone facility• First Aid• Wheelchair and ramps• Anti-venom Other Facilities 1-Battery-operated vehicle (4 seater)- 1 no. & (8 seater)- 1 no 2- Mini.Children's Park with playing instrument for children (2 No.). 3-Hill Track for trekking (1.8 km)

15	Weekly Closure Day of the Zoo	Monday
Management Personnel of the zoo		
16	Name of the Officer	Smt Anshu Pragyan Das
Owner / Operator of the Zoo		
17	Name of the Operator	Chief Wild Life Warden, Odisha
18	Address of the Operator	Chief Wild Life Warden, Government of Odisha, Prakruti Bhawan, 5th Floor, Governemnt BDA Apartments, Nilakantha Nager, Nayapally, Bhubaneswar – 751 012, Odisha.
19	Contact details/Phone number of Operator	0674-2564587 (O) 0674-2565062 (Fax)
20	E-mail address of Operator	pccfwl@odisha.gov.in

7. Organizational Chart :



8. Human Resources

Manpower of the Zoo*				
S.No.	Designation	Employee Name	Email	Contact Number
1	Officer In-charge/ Zoo Director	Smt Anshu Pragyan Das	hirakudwildlife1@gmail.com	9437960604
2	Curator	Sri Rebati Raman Joshi	hirakudwildlife1@gmail.com	9437256687
3	Veterinarian	Dr. Nabin Kumar Mishra	hirakudwildlife1@gmail.com	9437093848

9. Capacity Building of zoo personnel

Sl.No.	Name and designation of the zoo personnel	Subject matter of	Period of Training	Name of the Institution where the
1	Sri Sushanta Ku.Dhaunlia, Animal Keeper	Capacity Building programme	05.03.2024 to 07.03.2024	Nandankanan Zoological Park, Bhubaneswar.

10. Zoo Advisory Committee –

- Date of constitution: Nil
- Members : Nil
- Dates on which Meetings held during the year: Nil

11. Health Advisory Committee–

- Date of constitution: Nil
- Members: Nil
- Dates on which Meetings held during the year: Nil

12. Statement of income and expenditure of the Zoo upto March-2022.

Income (Rs.): 2175218.00

Expense (Rs.): 26609750.00

13. Daily Feed Schedule of Animals :

Daily feed Schedule of animals					
Sl.No	Species	Feed item	Quantity (in kg)		Day of fasting
			Winter	Summer	
1	Chital/ Spotted Deer <i>Axis axis</i>	grass, fodder, deer mash, salt, vitamin	5	5	-
2	Indian Muntjac <i>Muntiacus muntjak</i>	grass, fodder, deer mash, salt, vitamin	3	3	-
3	Sloth Bear <i>Melursus ursinus</i>	milk, rice, dal, honey, fruits, dalia	2	2	-
4	Leopard <i>Panthera pardus</i>	chicken/mutton	3	3	Monday
5	Indian Rock Python <i>Python molurus</i>	live hen	2	2	-
6	Asian Palm Civet <i>Paradoxurus hermaphroditus</i>	milk, rice, banana, chicken	1	1	-
7	Rhesus Macaque <i>Macaca mulatta</i>	apple, banana, vegetable, grain	1	1	-
8	Indian Grey Mongoose <i>Herpestes edwardsi</i>	chicken, rice	1	1	-
9	Blackbuck <i>Antelope cervicapra</i>	grass, fodder, deer mash, salt, vitamin	5	5	-
10	Indian Hog Deer <i>Axis porcinus</i>	grass, fodder, deer mash, salt, vitamin	5	5	-
11	Sambar <i>Rusa unicolor</i>	grass, fodder, deer mash, salt, vitamin	10.5	10.5	-
12	Four horned antelope <i>Tetracerus quadricornis</i>	<i>Tetracerus quadricornis</i>	2.5	2.5	-



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, BQ & FMD	Raksha Tri-o-vsc Vaccination	Once annually	

15. De-worming Schedule of animals

De-worming Schedule of animals				
Sl.No.	Species	Drug used	Periodicity	Month
1	Chital/ Spotted Deer <i>Axis axis</i>	Fenzole	once in 3 months	Apr
2	Sambar Deer <i>Rusa unicolor</i>	Fenzole	once in 3 months	Apr
3	Blackbuck <i>Antelope cervicapra</i>	Fenzole	once in 3 months	Apr
4	Four-horned Antelope <i>Tetracerus quadricornis</i>	Fenzole	once in 3 months	Apr
5	Indian Muntjac <i>Muntiacus muntjac</i>	Fenzole	once in 3 months	Apr
6	Rhesus Macaque <i>Macaca mulatta</i>	Fenzole	once in 3 months	Apr
7	Asian Palm Civet <i>Paradoxurus hermaphroditus</i>	Fenzole	once in 3 months	Apr
8	Leopard <i>Panthera pardus</i>	Eazypat	once in 3 months	Apr
9	Sloth Bear <i>Melursus ursinus</i>	Eazypat	once in 3 months	Apr

16. Disinfection Schedule

Disinfection Schedule					
Sl.No.	Species	Type of enclosure	Disinfectant used	Disinfectant method	Frequency of disinfection
1	Chital/ Spotted Deer <i>Axis axis</i>	Open	Lime, keythrin, KMnO ₄	Limeing, colouring & painting inside & outside of enclosure	twice in a year
2	Sambar Deer <i>Rusa unicolor</i>	Open	Lime, keythrin, KMnO ₄	Limeing, colouring & painting inside & outside of enclosure	twice in a year
3	Indian Hog Deer <i>Axis porcinus</i>	Open	Lime, keythrin, KMnO ₄	Limeing, colouring & painting inside & outside of enclosure	twice in a year

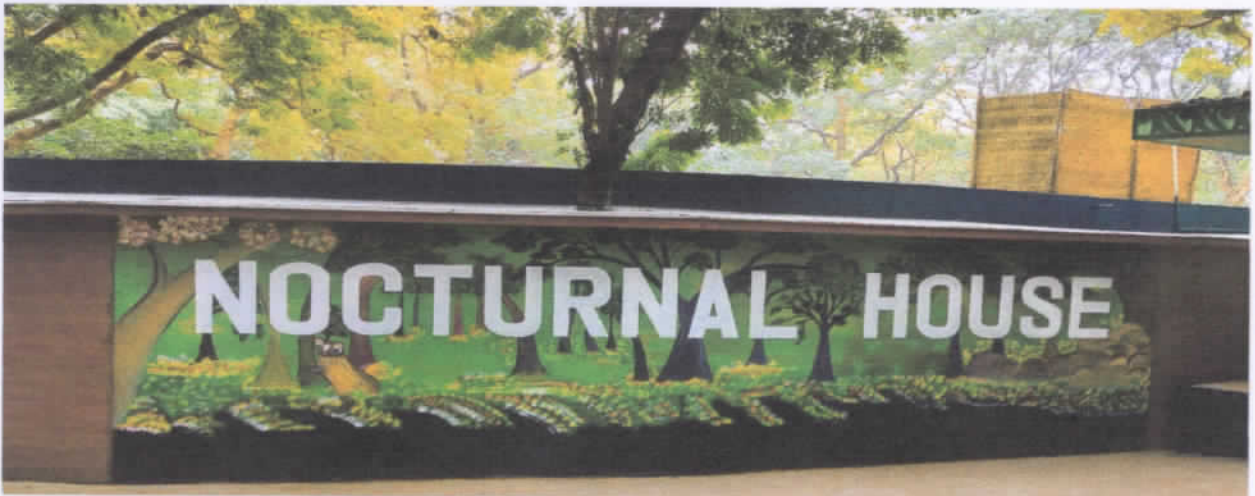
17. Health Check-up of employees for zoonotic diseases

Health check up of employee is regularly being carried out.

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

- Orchidarium & Rose Garden.
- Const. of Nocturnal Chamber.
- Renovation & repair of main gate of Sambalpur Zoo.
- Digging of borewell at Sambalpur Zoo.
- Strengthening of existing Leopard enclosure.
- Repair & maint. of housing enclosure.
- Renovation of fountain.
- Aquarium repair.

- Planting of Plants along inspection path.
- Bamboo Barricading around enclosure
- Weeds Clearance
- Colouring of enclosure house.





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. 7th June every year.
- ii. Celebration of 26th January, 15th 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



Latitude: 21°28'10"
Longitude: 82°24'29"
Elevation: 156.17155m
Accuracy: 15.0 m
Time: 16-04-2024 11:14
Note: Consider using the site's basic web browser



Latitude: 21°28'10"
Longitude: 82°24'29"
Elevation: 156.17155 m
Accuracy: 15.0 m
Time: 16-04-2024 11:14
Note: Consider using the site's basic web browser



22. Research Work carried out and publications: NIL
23. 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		
	1.	Blackbuck	4	4	-	Nandankanan Zoological Park, Bhubaneswar	05.12.2023
	2.	Hog deer	4	4	-	Nandankanan Zoological Park, Bhubaneswar	19.02.2024
B	Animals going from the zoo						
	H.NO	Species	Number			Going to which Zoo	Date of deposition from the zoo
			M	F	K		
	1.	Four horned antelope	2	5		Nandankanan Zoological Park, Bhubaneswar	05.12.2023
	2.	Sambar	1	2		Nandankanan Zoological Park, Bhubaneswar	21.02.2024
	3.	Sambar	1	1		Nandankanan Zoological Park, Bhubaneswar	26.02.2024

(19/15)

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	08.11.2023	Leopard (1 no.) M	Nuapada Range Office, Khariar Division, Khariar			
2	10.11.2023	Barking deer (1 no.) F	Hemgir Forest Range of Sundargarh Forest Division	Memo No.4144 Dtd.09.11.2023 of Divisional Forest Officer, Hirakud Wildlife Division, Sambalpur	-	-



26. Education and Awareness programmes during the year-

- iii. Celebration of Wildlife Week
- iv. Celebration of Vanamahotsav

27. Important Events and happenings-

- iii. Celebration of WACC establishment day i.e. 7th June every year.
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- Pre monsoon
- Spreading of Lime in every enclosure

29. Annual Inventory of animals :-

Part - A Inventory Report for the Year

Endangered Species*

Endangered Species*																								
Sl.No.	Animal Name	Scientific name	Opening Stock				Births			Acquisition			Disposal			Death			Closing Stock					
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T		
Aves																								
1.	Indian Peafowl	<i>Pavo cristatus</i>	1	4	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	5	
Total Aves			1	4	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	5	
Mammalia																								
1.	Blackbuck	<i>Antelope cervicapra</i>	0	0	0	0	0	0	1	4	4	0	0	0	0	0	0	0	1	0	4	4	0	8
2.	Indian Hog Deer	<i>Axis porcinus</i>	0	0	0	0	0	0	0	4	4	0	0	0	0	0	2	1	0	2	3	0	5	
3.	Indian Grey Mongoose	<i>Herpestes edwardsi</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
4.	Rhesus Macaque	<i>Macaca mulatta</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
5.	Sloth Bear	<i>Melursus ursinus</i>	3	1	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	4	
6.	Leopard	<i>Panthera pardus</i>	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	2	
7.	Asian Palm Civet	<i>Paradoxurus hermaphroditus</i>	2	4	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	6	
8.	Malabar Giant Squirrel (Indian Giant Squirrel)	<i>Ratufa indica</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
9.	Four-horned Antelope	<i>Tetracerus quadricornis</i>	8	15	7	30	0	0	7	0	0	0	2	5	0	0	0	0	6	12	12	30		
10.	Fox Common	<i>Vulpes bengalensis</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
Total Mammalia			10	16	23	7	46	0	0	8	9	8	0	2	5	0	3	3	0	20	26	12	58	

6	Indian Hog Deer	<i>Hyelaphus porcinus</i>	Female	08-03-2024	
	Blackbuck	<i>Antelope cervicapra</i>	Female	03-05-2024	
7	Indian Hog Deer	<i>Axis porcinus</i>	Female	04-06-2024	
8	Indian Hog Deer	<i>Axis porcinus</i>	Female	30-06-2024	
9	Four-horned Antelope	<i>Tetracerus quadricornis</i>	Female	15-09-2024	
10	Leopard	<i>Panthera pardus</i>	Female	04-12-2024	
11	Sloth Bear	<i>Melursus ursinus</i>	Male	09-03-2025	The death may be due to senility associated with gastritis and an orexia.
12	Asian Palm Civet	<i>Paradoxurus hermaphroditus</i>	Male	28-03-2025	Symptom of dyspepsia, severing and staggering gait was seen.
13	Four-horned Antelope	<i>Tetracerus quadricornis</i>	Male	28-02-2025	Tissues from different parts sent to OUAT, Bhubaneswar for microbiological examination.
14	Indian Hog Deer	<i>Axis porcinus</i>	Male	23-02-2025	The tissue from different organs sent to OUAT, Bhubaneswar to ascertain the cause of death.
15	Asian Palm Civet	<i>Paradoxurus hermaphroditus</i>	Female	30-03-2025	The death may be due to pneumonia and hypovolemic shock.

31. Compliance with conditions stipulated by the Central Zoo Authority

Sl.No.	Norm No. under RZR, 2009	Condition Stipulated	Status with regard to compliance of the conditions
1	10.2(2)	The Zoo shall fill the post of Veterinarian, Education Officer & Biologist.	One VAS has been appointed on dt. 10.08.2022 vide Letter No. 3093 dt. 08.08.2022. The Principal Chief Conservator of Forests (WL) has been requested to take necessary steps to create a sanctioned post for Education Officer & Biologist in SZCC, Sambalpur which is intimated vide this office Memo No. 1781 dt. 26.05.2018 and no.1492 dt.15.05.2019.
2.	10.3(1)	The Zoo shall get its Master Plan approved from the CZA.	The Master Plan of Sambalpur Zoo for 2023-24 to 2042-43 has been approved by the CZA vide letter No. 19-3/93-CZA(201)(NE) dt. 14.12.2023.
3.	10.9(1)	The zoo shall pair the single sex animal or may transfer such animals to other zoo.	Complied.
4.	10.12(2)	The zoo should make readily available snake anti-venom & lifesaving drugs in the zoo premises.	Snake anti-venom & lives saving drugs have been made available in the Zoo.

32. List of free living wild animals within the zoo premises

- a. Spotted Dove *Streptopelia chinensis*
- b. Common Krait *Bungarus caeruleus*

Others :



- (a) **Mamals** : Bat & Mongoose 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 premises.

Divisional Forest Officer
Hirakud Wildlife Division
Sambalpur