

Jawaharlal Nehru Biological Park

Bokaro, Jharkhand

ANNUAL REPORT FOR THE YEAR

2023-24



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REPORT OF THE OFFICER IN-CHARGE

I feel immense pleasure to present the Annual Report of Jawaharlal Nehru Park, Bokaro for the year 2023-24. During this year under the guidance of ED (P&A) & CGM (TA), various developmental activities were initiated at JNB Park.

Two (02) male Leopards (*Panthera pardus*) acquired from Ranchi Zoo in May 2023. After the renovation of the aquarium building and other facilities in the park, they were opened for the visitors. Machine providing purified cold water was installed in the park, which provided great relief to the visitors in very hot season. During this year, various Educational and Awareness Programme were carried out in the park on the occasion of World Environment Day, Wildlife Week, etc.

I acknowledge the hard work put in by the dedicated team of JNB Park and I extend my sincere thanks to the management of Bokaro Steel Plant.

HISTORY OF THE ZOO

Early in 1959, the existing area of JNB Park used to be a thick forest covered with trees of different varieties, such as Sakhua, Sagwan, Mahua, Arjun and Palas etc.

JAWAHARLAL NEHRU BIOLOGICAL PARK is the dream turned to reality, of the great Visionary, Sri S. R. Ramakrishnan, the then Managing Director of Bokaro Steel Plant who thought to utilize the abundant thick forest area in the city, Sector-IV, Bokaro Steel City of the Jharkhand State.

The park was named after a true lover of nature, Pandit Jawaharlal Nehru, the first Prime Minister of India. The Park is situated in the heart of Bokaro Steel City and spread over an area of 126.42 acres of land having minimal surface gradients (3%) in the Steel Township. The Park was opened for the public on 14-01-1989. It is owned and managed by SAIL/Bokaro Steel Plant.

Now-a-days it is an abode of rare and endangered species of wild life and colourful birds. The lush sylvan surrounding of the park has become a centre place of attraction for the resident of this industrial belt.

The park has come up to this stage due to the skill of Architects, Engineers of the BSL, Naturalists, NGOs and individual associates of the area.

VISION

The vision of JNB Park is to sensitize people for caring and conservation of wild flora and fauna.

MISSION

- I. Conservation and breeding of wild animals/birds of Chotanagpur region, Jharkhand and nearby states.
- II. Provide naturalistic enclosures to various animals for conservation and propagation of wildlife.

- III. As a zoo is a living laboratory, visitors, particularly students will learn habit, habitat, behavior, biology and other interesting information of wildlife at the shortest time which will be useful for protection and conservation of wildlife.

We intend to use state of the art technology for betterment of the Park and want to give a naturalistic habitat. Also, we intend to connect nationally with all Zoo communities.

OBJECTIVE

JNB Park is a condensed source of information about nature and wildlife and the objective of the park will be spreading of conservation, education and create awareness among visitors.

BASIC INFORMATION ABOUT THE ZOO

❖ BASIC INFORMATION

- Name of the Zoo : Jawaharlal Nehru Biological Park
- Year of Establishment : 1989
- Address of the Zoo : Sector - IV, Bokaro Steel City (827004)
- State : Jharkhand
- Telephone Number : 8986872367
- Fax Number :
- E-mail Address : jnbparkbokaro@gmail.com
- Website :
- Distance from nearest : Airport: Ranchi Airport - 130 km
Railway St. : Bokaro Steel City - 13 km
Bus Stand: Govt. Bus Stand, Bokaro - 6 km
- Recognition Valid upto: 19th August'2022
(Evaluation by CZA for upcoming recognition has been completed in March'2024)
- Category of zoo : Medium Zoo

- Area (in hectares) : 51.160
- Number of visitors : Adult - 1,45,636
(2023 - 24) Children - 1,56,450
Total Visitors - 3,02,086
- Visitor's Facilities : Visitor circulation pathway
Available in Zoo Purified Cold Drinking Water
Visitor sheds
Toilets (gents, ladies & handicapped)
Wheel chair
First aid
Guide maps
Interpretation centre, etc
- Weekly closure day : Monday

❖ **MANAGEMENT PERSONNEL OF THE ZOO**

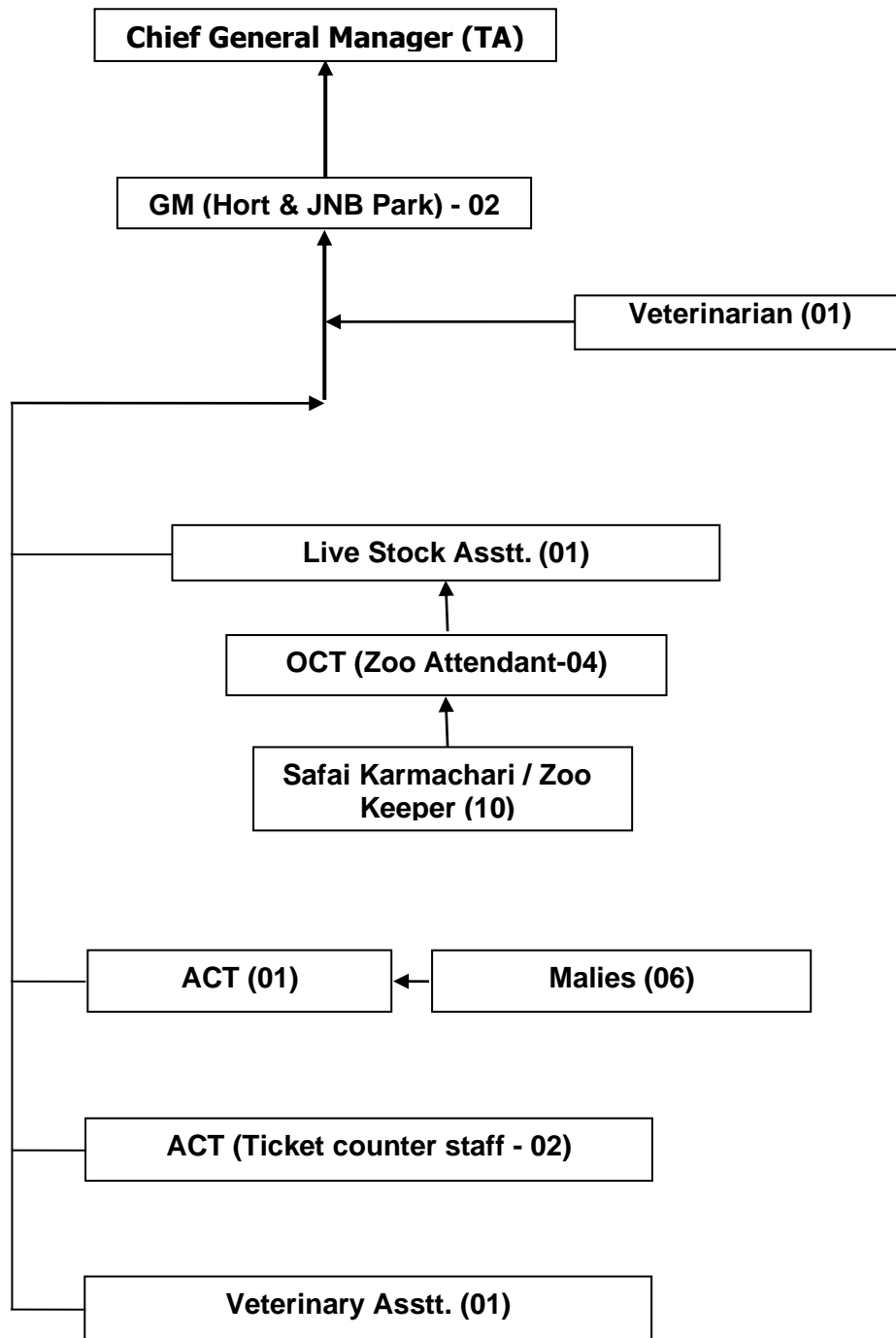
- Officer in - charge : Sri B K Badhia

❖ **OPERATOR OF THE ZOO**

- Name of Operator : CGM (TA), SAIL/BSL
- Address of Operator : SAIL, Bokaro Steel Plant,
Bokaro Steel City - 827001, Jharkhand
- Contact Details : Ph - (06542)242305
- E-mail Address : cgmtabsl@gmail.com



ORGANIZATIONAL CHART OF THE ZOO



HUMAN RESOURCES**MANPOWER OF THE ZOO**

S N -	Designation	Employee Name	Email	Contact Number
1	Officer-in-Charge/Zoo Director	Sri B K Badhia		8986872367
2	Curator	Sri V K Singh		
3	Veterinarian	Dr G Chakraborty		
4	Biologist	Mr Sahil Shivam		
5	Education Officer	Mr Sahil Shivam		
6	Stockman / Compounder / Animal/Zoo Keeper	Md M Beg, G Prasad, A Ansari, B Bara, B Manjhi, Alisha, R Murmu		
		01 Person for Assist in veterinary aid on outsourcing basis		
		16 persons are working on outsourcing basis		
7	Laboratory Assistant	-		

CAPACITY BUILDING OF ZOO PERSONNEL

Sl. No.	Name	Designation	Subject matter of training	Period of training	Name of the Institution where the Training attended
1.	Bipin Kumar Singh	Zoo Keeper	Capacity Building Programme for Zoo Keepers of Eastern Region	5 th March to 7 th March 2024	Nandankanan Zoological Park, Bhubaneswar, Odisha

ZOO ADVISORY COMMITTEE

- a. Date of Constitution : 2018
- b. Member Name : Designation
- Sri V K Singh : GM (Horticulture & JNB Park)
- Sri P S Singh : DGM (TE – Civil)
- Sri Rajul Harkerni : GM (TE – Electrical)
- Sri A K Singh : GM (TE – Water Supply)
- Md Tasneem Salam : GM (TE – Public Health)
- c. Meetings : 03.04.2023 & 02.10.2023

HEALTH ADVISORY COMMITTEE

- a. Date of Constitution : 2018
- b. Member Name : Designation
- Dr Mukesh Sinha : District Animal Husbandry Officer, Bokaro
- Dr G Chakraborty : Veterinarian, JNB Park
- c. Meetings : 05.04.2023 & 04.10.2023

STATEMENT OF INCOME AND EXPENDITURE

Income (Rs.) : 45.33 lakhs

Expense (Rs.) : 115 lakhs

DAILY FEED SCHEDULE OF ANIMALS

Sl No	Species	Feed item	Quantity (Unit - kg)		Day of fasting
			Winter	Summer	
1	Barking Deer	Deer Mash	0.750	0.750	
		Green Grass / Leaves	2.500	2.500	
2	Blackbuck	Deer Mash	1.000	1.000	
		Green Grass / Leaves	2.500	2.500	
3	Budgerigar	Cheena Seed	0.015	0.015	
4	Cockatiel	Cheena Seed	0.020	0.020	
		Palak / Genary saag	0.025	0.025	
5	Emu	Apple / Mango	0.150	0.150	
		Banana (in nos)	3.000	3.000	
		Cabbage	0.100	0.100	
		Palak / Genary saag	0.250	0.250	
		Pulse Grain Mix	0.500	0.500	
6	Him. Black Bear	Apple / Mango	0.250	0.250	
		Banana (in nos)	10.000	10.000	
		Black Urad Dal	0.075	0.075	
		Bread	0.525	0.525	
		Carrot / Cucumber	0.750	0.750	
		Honey (per year)	2.000	2.000	
		Milk (in ltr)	1.000	1.000	
		Potato	0.500	0.500	
		Pumpkin / Water Melon	0.500	0.500	
		Rice Usna	0.750	0.750	
Sweet Potato / Barbati	0.750	0.750			
7	Hippopotamus	Banana (in nos)	22.000	22.000	
		Cabbage	1.000	1.000	
		Carrot / Cucumber	2.000	2.000	
		Deer Mash	15.000	15.000	
		Kaddu	1.000	1.000	
		Kutti	5.000	5.000	
		Potato	2.250	2.250	
		Raddish	0.500	0.500	
		Tomato	0.500	0.500	
		Green Grass / Leaves	35.000	35.000	
8	Indian Porcupine	Apple / Mango	0.100	0.100	
		Carrot / Cucumber	0.150	0.150	
		Gram Gota (Soaked)	0.100	0.100	
		Banana (in nos)	2.000	2.000	

		Pumpkin / Water Melon	0.100	0.100	
		Rice Usna	0.100	0.100	
		Black Urad Dal	0.010	0.010	
9	Langur	Banana (in nos)	4.000	4.000	
		Bread	0.050	0.050	
		Brinjal	0.100	0.100	
		Carrot / Cucumber	0.150	0.150	
		Gram Gota (Soaked)	0.100	0.100	
		Kaddu	0.050	0.050	
		Ladies finger / French bean	0.050	0.050	
		Potato	0.075	0.075	
		Pumpkin / Water Melon	0.075	0.075	
		Raddish	0.075	0.075	
		Sweet Potato / Barbati	0.150	0.150	
10	Leopard	Chicken	4.000	4.000	Monday
		Goat Meat	1.000	1.000	
11	Love bird	Palak / Genary saag	0.025	0.025	
		Cheena Seed	0.020	0.020	
12	Monkey	Banana (in nos)	3.000	3.000	
		Bread	0.050	0.050	
		Brinjal	0.075	0.075	
		Carrot / Cucumber	0.100	0.100	
		Gram Gota (Soaked)	0.100	0.100	
		Kaddu	0.050	0.050	
		Ladies finger / French bean	0.050	0.050	
		Potato	0.050	0.050	
		Pumpkin / Water Melon	0.050	0.050	
		Raddish	0.050	0.050	
		Sweet Potato / Barbati	0.100	0.100	
13	Parakeet	Apple / Mango	0.020	0.020	
		Banana (in nos)	0.500	0.500	
		Chilli	0.005	0.005	
		Gram Gota (Soaked)	0.025	0.025	
14	Peafowl	Garlic	0.010	0.010	
		Onion	0.025	0.025	
		Pulse Grain Mix	0.100	0.100	
		Palak / Genary saag	0.075	0.075	
15	Python	Live Chicken (per week)	1.250	1.250	
16	Rosy Pelican	Telopia fish	1.250	1.250	
17	Sambar	Deer Mash	2.500	2.500	
		Kutti	1.500	1.500	

		Green Grass / Leaves	10.000	10.000	
18	Spotted Deer	Deer Mash	1.000	1.000	
		Green Grass / Leaves	2.500	2.500	

VACCINATION SCHEDULE OF ANIMALS

Sl No	Species	Disease Vaccinated for	Name of the vaccine	Dosage	Qty	Periodicity	Remarks	Month
01	Leopard	Trypanoso-miasis	Inj. Triquin	1 ml SC	1	06 months		July & January

DE-WORMING SCHEDULE OF ANIMALS

Sl No	Species	Drug used	Periodicity	Month
01	Hippopotamus	Fenbendazole	06 months	May & November
02.	Leopard	Fenbendazole	06 months	May & November
03.	Himalayan Black Bear	Fenbendazole	06 months	May & November
04.	Sambar	Fenbendazole	06 months	May & November
05.	Blackbuck	Albendazole	06 months	May & November
06.	Spotted deer	Albendazole	06 months	May & November
07.	Barking deer	Albendazole	06 months	May & November
08.	Monkey and Langur	Fenbendazole	06 months	May & November
09.	Peafowl & Other birds	Albendazole	06 months	May & November
10.	Python	Fenbendazole	Yearly	July

DISINFECTATION SCHEDULE

Sl.	Species	Type of enclosures	Disinfectant used	Disinfectant method	Frequency of disinfection
1.	Leopard	Night shelter rooms	Sodium bicarbonate	Water solution used	Once after 15 days
2.	Himalayan Black Bear	Night shelter rooms	Potassium permanganate	Water solution used	Once after 15 days
3.	Monkey and Langur	Night shelter rooms	Potassium permanganate	Water solution used	Once after 15 days
4.	Hippopotamus	Water moat	Potassium permanganate	Water solution used	Once after 15 days
5.	Python	Room	Sodium bicarbonate	Water solution used	Once after 15 days
6.	Blackbuck	Feeding platform & drinking pot	Potassium permanganate	Water solution used	Once after 15 days
7.	Peafowl	Feeding platform & drinking pot	Potassium permanganate	Water solution used	Once after 15 days

HEALTH CHECK-UP OF EMPLOYEES FOR ZOOONOTIC DISEASES

The employees of JNB Park have been screened against zoonotic diseases at Bokaro General Hospital, Bokaro.

Sl No	Name	Designation	Date of Health Check-up	Findings of Health Check-up
01	B K Badhia	GM	08.05.2023	Good Health
02	V K Singh	GM	08.05.2023	Good Health

03	Dr G Chakraborty	Veterinarian	08.05.2023	Good Health
04	Sahil Shivam	ACT	15.05.2023	Good Health
05	Md M Beg	Live St. Asstt.	15.05.2023	Good Health
06	G Prasad	OCT	15.05.2023	Good Health
07	A Ansari	OCT	15.05.2023	Good Health
08	B Bara	OCT	22.05.2023	Good Health
09	B Manjhi	OCT	22.05.2023	Good Health
10	Alisha	ACT	22.05.2023	Good Health
11	R Murmu	ACT	22.05.2023	Good Health

DEVELOPMENT WORKS CARRIED OUT IN THE ZOO DURING THE YEAR

Various development works were carried out at JNB Park during the year 2023-24 as per detailed below:

- 1) Renovation of Aquarium Building
- 2) Renovation of Interpretation Centre
- 3) Renovation of Feed Store
- 4) Renovation of Ladies Toilet (Outdoor)
- 5) Renovation of Ladies & Gents Toilet (Inside)
- 6) Provision of Visitor Sitting facilities, both inside & outside of JNB Park
- 7) Renovation of Himalayan Black Bear enclosure as well as its water tank
- 8) Renovation of Leopard enclosure
- 9) Provision of new Display Board in place of badly damaged board
- 10) Renovation of Porcupine (Sahee) enclosure
- 11) Renovation of Monkey enclosures / Peacock enclosure / Bird enclosures and Python enclosure.
- 12) Renovation of Post-mortem Room
- 13) Provision / renovation of safety railing in all enclosures
- 14) Replacement of drinking Water Tank

- 15) Construction of inside boundary wall in Hippo enclosure. Earth filling / Brick on edge work / PCC work / Water pipe line / Steel gate work / Renovation of existing boundary wall of Hippo enclosure
- 16) Pathway / Water tank / Renovation of Spotted Deer Safari enclosure
- 17) Renovation of Entrance Gate of JNB Park
- 18) Repairing of Boundary Wall

EDUCATION & AWARENESS PROGRAMME DURING THE YEAR

Efforts are being made for conservation of wildlife on global level. Laws are also being enacted for its protection. But the protection of wildlife is not just a matter of legislation, it requires creation of awareness in the mind of the masses about the role and importance of wildlife. Being a wildlife concern, JNB Park has always been making sincere efforts to generate the feeling of compassion towards wildlife in the mind of masses by conducting educational campaign and programme from time to time for the voiceless too. Educational programme and conservation awareness activities have always been given priority in our Park.

World Environment Day was celebrated with great zeal and enthusiasms on 05th June 2023. Tree plantation, up-rooting of parthenium, special cleaning programme of enclosures, interaction with the visitors were arranged.

Wildlife Week has been celebrated on 07th October 2023 for achieving national effort towards conservation and education awareness. On this occasion, BSL School students participated. On this occasion, debate and quiz competition was held amongst students of class 05 & 06. Students are briefed about park.

IMPORTANT EVENTS & HAPPENINGS

Two (02) male Leopards (*Panthera pardus*) acquired from Bhagwan Birsa Biological Park, Ranchi in May 2023.

After the renovation of the aquarium building and other facilities in the park, they were opened for the visitors. Machine providing purified cold water was installed in the park, which provided great relief to the visitors in very hot season.

SEASONAL SPECIAL ARRANGEMENTS FOR UPKEEP OF ANIMALS

During the winter season of the year care is taken for proper upkeep of animals. Curtains have been put on the windows of the enclosures of leopard, tigress and lioness. Room heaters are provided in the enclosures of carnivores. Straws are being provided in the enclosures of birds, python, deers, blackbucks, etc.

During summer, fiber sheet shed has been provided on the hippo water pool. Fans and coolers have been provided in the enclosures of carnivores. Water tank of hippo, himalayan black bear, tigress are being kept full round the clock. Succulent fruits and vegetables are being provided to primates and himalayan black bear.

Bird enclosure is covered with fiber sheet and wet gunny bag sheets are provided in the wall to protect birds from heat. Spraying of water is done in floors and display areas.

All animals are provided with electrolyte powder and Vit B complex during this period.

RESEARCH WORK CARRIED OUT AND PUBLICATIONS

CONSERVATION BREEDING PROGRAMME OF THE ZOO

ANIMAL ACQUISITION / TRANSFER / EXCHANGE DURING THE YEAR

A. Animals arriving in the Zoo					
Sl No	H. No.	Species	Number (M:F)	From which Zoo	Date of arrival in the Zoo
01	Karan & Dharmendra	Panthera pardus	2:0	Bhagwan Birsa Biological Park, Ranchi, Jharkhand	01.05.2023

B. Animals going from the Zoo					
Sl No	H. No.	Species	Number (M:F)	Going to which Zoo	Date of deposition from the Zoo
01	Aarika & Bidisha	Panthera pardus	0:2	Bhagwan Birsa Biological Park, Ranchi, Jharkhand	01.05.2023

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
-	-	-	-	-	-	-

ANNUAL INVENTORY OF ANIMALS

Part - A Inventory Report for the year: 2023 - 24

Endangered Species (Schedule I and II)																							
S. No.	ANIMAL NAME	SCIENTIFIC NAME	OPENING STOCK as on 01.04.2023				BIRTHS			ACQUISITIONS			DISPOSALS			DEATHS			CLOSING STOCK as on 31.03.2024				
			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>	3	7	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total Aves		1	3	7	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MAMMALIA																							
1	Blackbuck	<i>Antelope cervicapra</i>	21	31	0	52	0	0	0	0	0	0	0	0	0	0	0	1	0	21	30	0	51
2	Macaque Rhesus	<i>Macaca mulatta</i>	11	6	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	11	6	0	17
3	Macaque Bonnet	<i>Macaca radiata</i>	3	1	0	4	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	2
4	Leopard (Panther)	<i>Panthera pardus</i>	0	5	0	5	0	0	0	2	0	0	0	0	0	0	0	0	0	2	3	0	5
5	Bengal Hanuman Langur	<i>Semnopithecus entellus</i>	10	4	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	10	4	0	14
6	Himalayan Black Bear	<i>Ursus thibetanus laniger</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Mammalia		6	46	48	0	94	0	0	0	2	0	0	0	2	0	1	2	0	47	44	0	91	
REPTILIA																							
1	Python Indian - Rock	<i>Python molurus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Reptilia		1	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Total of Endangered Species			50	56	0	106	0	0	0	2	0	0	0	2	0	1	2	0	51	52	0	103	

PART – B (Other than Endangered Species)																							
S. No.	ANIMAL NAME	SCIENTIFIC NAME	OPENING STOCK as on 01.04.2023				BIRTHS			ACQUISITIONS			DISPOSALS			DEATHS			CLOSING STOCK as on 31.03.2024				
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
AVES																							
1	Lovebird	<i>Agapornis roseicollis</i>	4	4	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	8
2	Emu	<i>Dromaius novaehollandiae</i>	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
3	Budgeriger	<i>Melopsittacus undulatus</i>	30	30	0	60	0	0	0	0	0	0	0	0	0	0	4	4	0	26	26	0	52
4	Cockatiel	<i>Nymphicus hollandicus</i>	4	4	0	8	0	0	0	0	0	0	0	0	0	2	3	0	2	1	0	0	3
5	Great White Pelical	<i>Pelecanus onocrotalus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
6	Parakeet Alexandrine	<i>Psittacula eupatria</i>	6	4	0	10	0	0	0	0	0	0	0	0	1	1	0	0	5	3	0	0	8
7	Parakeet Rose Ring	<i>Psittacula krameri</i>	4	4	0	8	0	0	0	0	0	0	0	0	1	0	0	0	3	4	0	0	7
Total Aves		7	51	47	0	98	0	0	0	0	0	0	0	0	0	8	8	0	43	39	0	0	82
MAMMALIA																							
1	Deer Spotted (Chital)	<i>Axis axis</i>	27	24	0	51	0	0	0	0	0	0	0	0	0	0	0	0	0	27	24	0	51
2	Hippopotamus	<i>Hippopotamus amphibius</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
3	Indian Crested Porcupine	<i>Hystrix indica</i>	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4
4	Indian Muntjac	<i>Muntiacus muntjak</i>	4	10	0	14	0	0	0	0	0	0	0	0	0	0	0	0	4	10	0	0	14
5	Deer Sambar	<i>Rusa unicolor</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	1
Total Mammalia		5	35	38	0	73	0	0	0	0	0	0	0	0	0	2	0	0	35	36	0	0	71
Total of Other than Endangered Species			86	85	0	171	0	0	0	0	0	0	0	0	8	10	0	0	78	75	0	0	153
Grand Total			136	141	0	277	0	0	0	2	0	0	0	2	0	9	12	0	129	127	0	0	256

MORTALITY OF ANIMALS / BIRDS

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	Bonnet Macaque	Macaca radiata	Male	10.01.2024	Old age
2	Bonnet Macaque	Macaca radiata	Female	14.01.2024	Pneumonia
3	Sambar Deer	Rusa unicolor	Female	12.06.2023	Heatstroke
4	Sambar Deer	Rusa unicolor	Female	14.10.2023	Shock due to dystocia
5	Blackbuck	Antelope cervicapra	Female	28.05.2023	Heatstroke
6	Cockatiel	Nymphicus hollandicus	Male - 1 Female - 1	12.08.2023	Escaped from damaged chain link enclosure
7	Cockatiel	Nymphicus hollandicus	Male - 1	15.08.2023	Killed by predator rat
8	Cockatiel	Nymphicus hollandicus	Female - 2	12.09.2023	Killed by predators
9	Budgeriger	Melopsittacus undulatus	Male - 2 Female - 2	08.08.2023	Killed by predator rat
10	Budgeriger	Melopsittacus undulatus	Male - 1 Female - 2	10.08.2023	Killed by predators
11	Budgeriger	Melopsittacus undulatus	Male - 1	15.08.2023	Diarrhea
12	Alexandrine Parakeet	Psittacula eupatria	Male - 1	10.01.2024	Infighting
13	Alexandrine Parakeet	Psittacula eupatria	Female - 1	15.02.2024	Enteritis
14	Rose-ringed Parakeet	Psittacula krameri	Male - 1	16.02.2024	Enteritis

COMPLIANCE WITH CONDITIONS STIPULATED BY THE CENTRAL ZOO AUTHORITY

Sl No	Norm No Under RZR, 2009	Condition Stipulated	Time period to comply	Status with regard to compliance of the conditions
1. General Requirements				
1	10.1(8)	The lone tigress is very weak and with docked tail and hence should not be displayed to the visitors.	Immediately	The tigress expired on 01.04.2022
2. Administration and staffing pattern				
2	10.2(1)	No whole-time in-charge with power to take decision and ensuring financial resources “Whole time in-charge” of the zoo should be appointed in compliance with the Recognition of Rules, 2009.	Immediately	Whole - time In-charge appointed.
3	10.2(2)	Trained scientific and technical staff as per norms prescribed for a Medium zoo should be appointed.	One year	Proper scientific and technical staff posted.
4	10.2(2)	It is not advisable to post the non-technical staff (Crane Operator / Senior Operatives) in the zoo for animal keeping and should be posted out of the zoo forthwith. Till such time, they are not posted out, they should not be allowed to handle any sensitive tasks related to the health, hygiene and feeding of the zoo animals.	Three months	Non - technical staff (Crane operator / Senior operatives) posted outside zoo.
4. Animal housing, display of animals and animal enclosures				
5	10.4(3)	Night shelters or feeding cells should be made rodent and snake proof. Gaps between the wall and door of	Six months	Night shelters have been repaired and made rodent and snake proof.

		Kraal as well as fence and floor in carnivore's cells should be reduced to avoid accidental attack by the animals on keepers.		
6	10.4(9)	Some of the stand-off barriers are broken and badly rusted. These need to be immediately replaced. Some large hoardings are in dilapidated condition and not readable. Some should be replaced and also source of information may be mentioned.	One month	Broken stand - off barriers replaced.
7	10.4(10)	Adequate number of signage's with precise information and effective conservation message should be installed	Six months	Signage's with information and conservation message installed.
8	10.4(10)	An old building has been designated as interpretation centre but non-functional in want of staff and facility. Interpretation Centre should be started on priority with appointment of an Information Officer.	One year	One staff has been entrusted to run interpretation centre.
5. Upkeep and healthcare of animals				
9	10.9(4)	Several animals are single such as lioness, tigress, hippopotamus and Himalayan bear. These should either be paired or translocated to some other zoos with prior approval of the CZA.	One year	Himalayan bear has been paired after acquisition of one male bear from Ranchi Zoo. For hippo, JNB Park is in contact with various zoos. At present park is having no stock of Lion and Tiger.
10	10.5(2)	Large cats are given goat meat instead of ideal buffalo meat. Necessary permission should be obtained from District Authority to get buffalo meat and in consultation with the Bhagwan Birsa Biological Park, Ranchi.	Three months	At this moment no licence has been issued to vendors to slaughter and supply buffalo meat at Bokaro Dist.

11	10.5(2)	Periodically, random samples from feed and fodder are not sent to laboratory analysis for toxicological assessment. Similarly, meat samples are not sent for microbiological tests. This practice is essential for keeping quality check on feed and meat being supplied in zoo and should be introduced in the zoo.	Six months	Fresh and wholesome feed is being provided to zoo animals.
12	10.5(3)	Leftover meat should be collected timely and disposed of by burning. The leftover greens may be used for composting in pit away from animal houses.	Immediately	Leftover meat / greens are disposed off properly as per guidelines.
6. Veterinary and infrastructure facilities				
13	10.6(6)	The staff should be deputed to zoos identified as centres of excellence and eminent institutions and organizations working in the field of wild animal healthcare for formal training to enhance their technical skill.	Six months	The staffs are being deputed time to time to eminent institutions for formal training to enhance their technical skill for animal health care.
14	10.6(5)	The Lab Assistant and the Stockman / Compounder should be appointed in the zoo.	Six months	One trained staff had been engaged as compounder.
7. Post-mortem and disposal of carcasses of animals				
15	10.7(4)	Post-mortem room should have better drainage, light and water facility. There should be cabin to store disinfectants, protective, coverings PM kit, sample collection bottles, etc. and footbath at the exist of PM hall. There should be provision of treating liquid waste before releasing to drainage. Adjacent to PM room, there should be carcasses disposal facility	Six months	Civil repair work completed for the same.

		(oil-fired incinerator) of adequate capacity and conforming to CPCB norms.		
12. Visitors facilities				
16	10.12(2)	Lifesaving emergency veterinary drugs should be available all times in zoo hospital.	Immediately	Lifesaving emergency veterinary drugs have been kept at zoo hospital.

FREE LIVING ANIMALS WITHIN THE ZOO PREMISES

JNB Park has adopted broad taxonomic display of wild animal species of the area.

Free Ranging Category of Mammals, Birds and Reptiles :

- a. **Mammals** : In the free ranging category of Mammals, we find Jackals, foxes, mongoose abundantly moving around the Park area.
- b. **Birds** : Bird species of various types are generally found inside the park area. This includes little cormorant, crow pheasant, koel, water hen, king fisher, rose ring parakeet, hoopoe, owl, oriole, wood pecker, drongo, babbler, Indian Myna, Pahari Myna, Tree pie, Bulbul, Dove, Pigeon, Magpie Robin, Wagtail, Flower Pecker, etc excluding migratory birds.
- c. **Reptiles** : Reptiles like Pythons, Cobras, Dhamins, Kraits are seen frequently in the area.

