



Government of West Bengal  
Directorate of Forests  
**Office of Divisional Forest Officer, Burdwan Division**  
Golapbag, P.O.-Rajbati, Pin-713104, Dist-Purba Bardhaman  
Phone & Fax - 0342-2950507  
E-Mail: [dfobdn@yahoo.co.in](mailto:dfobdn@yahoo.co.in) & [dfobur\\_wb@nic.in](mailto:dfobur_wb@nic.in)



No. 2743 / T-7 ; Dated, Burdwan, the 01 / 08 /2023  
To : The Central Zoo Authority,  
B-1 wing, 6<sup>th</sup> Floor, Pt Deendayal Antyodaya Bhawan,  
CGO Complex, Lodhi Road,  
New Delhi - 110003.  
Sub: Submission of Annual Report of Bardhaman Zoological Park, Burdwan, State-West Bengal  
for the year 2022-23.

Sir,  
The Annual Report of Bardhaman Zoological Park, Burdwan, State West Bengal for the year  
2022-23 is submitted herewith for favour of kind perusal & necessary action.

Soft copy of the same is being sent through mail.

Yours faithfully,

Ex-Officio Director, Bardhaman Zoological Park &  
Divisional Forest Officer, Burdwan Division.

Encl. As stated above

No. 2743 (1) / T-7 ; Dated, Burdwan, the 01 / 08 /2023  
Copy with a copy of the report forwarded to the Member Secretary, West Bengal Zoo Authority for  
favour of kind perusal & necessary action.

Ex-Officio Director, Bardhaman Zoological Park &  
Divisional Forest Officer, Burdwan Division.

BARDHAMAN ZOOLOGICAL PARK  
RAMNABAGAN, BURDWAN

**Annual Report for the year**  
**2022-2023**



## CONTENTS

<b>Sl.No</b>	<b>Section</b>	<b>Page Number</b>
	Report of the Officer-in-charge	
1.	History of the Zoo	03
2.	Vision	03
3.	Mission	03
4.	Objective	03
5.	About us	03-05
6.	Organizational Chart	06
7.	Human Resources	06
8.	Capacity Building of the zoo personnel	07
9.	Zoo Advisory Committee	07
10.	Health Advisory Committee	08
11.	Statement of income and expenditure of the Zoo	08
12.	Daily feed Schedule of animals	08-11
13.	De-worming Schedule of animals	11
14.	Vaccination Schedule of animals	12
15.	Disinfection Schedule	12
16.	Health Check-up of employees for zoonotic diseases	12
17.	Development Works carried out in the zoo during the year	13-19
18.	Education and Awareness programmes during the year	19-23
19.	Important Events and happenings in the zoo	24
20.	Seasonal special arrangements for upkeep of animals	24
21.	Research Work carried out and publications	24
22.	Conservation Breeding Programme of the Zoo	24
23.	Animal acquisition / transfer / exchange during the year	24
24.	Rescue and Rehabilitation of the wild animals carried out by the zoo	24-28
25.	Annual Inventory of animals	29-31
26.	Death of wild animals.	31
27.	Status of the Compliance with conditions stipulated by the Central Zoo Authority	32-45
28.	List of free living wild animals within the zoo premises	45-46

## Report of the Officer-in-charge

### 1. History of the Zoo

**Bardhaman Zoological Park** erstwhile Ramnabagan Mini Zoo has been developed within the Ramnabagan Wild Life Sanctuary, a natural forest patch flourished during the feudal reign of Rajas and Maharajas of Bardhaman Taluk. After the promulgation of Estate Acquisition act, it was handed over to the Forest Department of West Bengal for management. The area was declared as reserved forests vide Notification No. 2275-For. Dt. 07.06.1960. In the year 1978, a Deer Park with the introduction of 6 nos. of deer was established in this reserve forest patch. Subsequently, the whole area of 14.724 ha. has been declared as Wild Life Sanctuary vide G.O. No. 4345/For-11B-7/80 dt. 30.09.1981.

As per the provisions laid down in Wild Life Protection Act, 1972 (Amended), it is mandatory to obtain permission for setting up of any rescue center or zoo from Central Zoo Authority, Govt. of India. Accordingly, as per statutory application submitted for the purpose, Ramnabagan Wild Life Sanctuary was recognised as a Mini Zoo vide Central Zoo Authority's memo number F. No. 22-67/2004-CZA(473)(M) dt. 10.02.2006. Renewal of recognition to the Bardhaman Zoological Park, Ramnabagan, Burdwan as a small category zoo **has been granted upto June 5<sup>th</sup>, 2025** Vide CZA's Memo No. F. No. 22-67/2004-CZA(473)(NE), Computer No. 147074 dt. 06.06.2023.

**Area:** The total area of Bardhaman Zoological Park is 14.044 ha. located in mouza Baburbag, J.L. No.40, P.S. Burdwan (Sadar) within the municipal limits of Burdwan town (Longitude – 87.30<sup>0</sup> east, Latitude – 23.15<sup>0</sup> north and mean sea level – 20 m.) Soil is alluvial plain of Western Gangetic basin. Topography is flat.

### 2. VISION

The vision of the Bardhaman Zoological Park, Bardhaman is to provide a glimpse of wild animals and birds of the Gangetic plains to the general public for developing a healthy relationship between animals and human beings.

### 3. MISSION

The mission of the Bardhaman Zoological Park, Bardhaman is conservation of representative wild animals of the Gangetic plains and to aware the general public on sustainable conservation of wild fauna which are under severe threat due to biotic interference.

### 4. Objective

- i) Conservation education and awareness generation of endangered spp. among general people to develop a healthy relationship between animals and human being.
- ii) Research & education by college and university students of Bardhaman University situated close to the Zoological Park.
- iii) To maintain gene pool of wild animals and birds.
- iv) To provide a safe abode temporarily to the rescued wild animals, confiscated, injured, orphaned and sick animals to release afterwards in nature.
- v) To protect animals from immediate and impending danger to their lives.
- vi) For research on the various aspects of ecology and behaviour of wild animals.

### 5. About us

<b>Basic Information about the Zoo</b>		
<b>Sl. No.</b>	<b>Particulars</b>	<b>Information</b>
1.	Name of the Zoo	Bardhaman Zoological Park (erstwhile Ramnabagan Zoo, Small Category),Burdwan
2.	Year of Establishment	2006
3.	Address of the Zoo	Bardhaman Zoological Park Ramnabagan P.O. Rajbati Dist. Purba Bardhaman Pin – 713 104
4.	State	West Bengal
5.	Telephone Number	0342 - 2950507

6.	Fax Number	0342 - 2950507
7.	E-mail address	dfobdn@yahoo.co.in & dfobdn-wb@nic.in
8.	Website	Not exists
9.	Distance from nearest	Airport: 110 km.
		Railway Station: 3 km.
		Bus Stand: 2 km.
10.	Recognition Valid upto (Date)	Recognition renewed upto 5 <sup>th</sup> June, 2025 vide CZA's File No. 22-67/2004-CZA(473)(NE), Computer No. 147074 dt. 06.06.2023.
11.	Category of zoo	Small Category Zoo
12.	Area (in Hectares)	14.044 ha. (As per approved Master Lay-out Plan)
13.	Number of Visitors (Financial Year 2022-23)	Adult :1,71,026
		Children :15,752
		Total Indian :1,86,778
		Total Foreigners : Nil
		Total Visitors: 1,86,778
14.	Visitors' Facilities Available in Zoo	<p>a. There are two big umbrellas and quite a good number of benches for the visitors to take rest</p> <p>b. Urinals / toilets are also there to use for the visitors separately for gents and ladies.</p> <p>c. For the entertainment of children, construction of a small children park with swings, slopes etc. are felt absolutely necessary. In this context creation of a Central Park with a Food Court is there in the approved Master Lay-out Plan. <b>Work of food court has already been completed</b> by this time. Processing for creation of a Central Park is going on. Landscaping and beautification work is going on.</p> <p>d. Drinking water supply facility and road network within the zoo are available.</p> <p>e. Visitors' amenities to be enhanced and of course new road net work is needed for new enclosures in future which is in the approved master lay out plan and being undertaken. Visitors' circulation is also under development programme.</p> <p>f. A watch tower with 65 ft. height is there at the northern side of the zoo for the visitors to take a bird's eye view of the surrounding forest patch with the captive and free living animal species as well as the adjacent urban localities. (Now not in operation).</p> <p>g. An Interpretation Centre is there within the Zoo premises with models and captions to make people aware towards conservation and protection of wild life and forest with special focus on the wild animals of Gangetic plains.</p> <p>h. Wheel chair for Divyang is available in the zoo.</p>
15.	Weekly Closure Day of the Zoo	Thursday

<b><u>Management Personnel of the zoo</u></b>		
<b>Sl. No.</b>	<b>Particulars</b>	<b>Information</b>
1	Name with designation of the Officer in-charge	Miss. Nisha Goswami, IFS Ex-officio Director, Bardhaman Zoological Park & Divisional Forest Officer, Burdwan Division.
2	Name of the Veterinary Officer	Shri Tapan Kumar Ghosh, V.O. (Contractual)
3	Name of the Curator	Shri Somnath Chowdhury, WBFS, Asstt. Divisional Forest Officer, Burdwan Division is the curator of the Bardhaman Zoological Park in addition to his own charge as ADFO/Burdwan Divn.
4	Name of the Biologist	Vacant
5	Name of the Education Assistant	Vacant
6	Name of the Compounder/ Lab Assistant	Tanmoy Sarkar (Veterinary Assistant)

<b><u>Owner / Operator of the Zoo</u></b>		
<b>Sl. No.</b>	<b>Particulars</b>	<b>Information</b>
1	Name of the Operator	Addl. Chief Secretary to the Government of West Bengal, Forest Department.
2	Address of the Operator	Aranya Bhawan, Block LA-10A , Sector-III, Salt Lake, Kolkata -700106
3	Contact details/Phone number of Operator	033- 2335 4030
4	E-mail address of Operator	<a href="http://www.westbengalforest.gov.in">www.westbengalforest.gov.in</a>

\* Rule 2(m) of the Recognition of Zoo Rules, 2009.

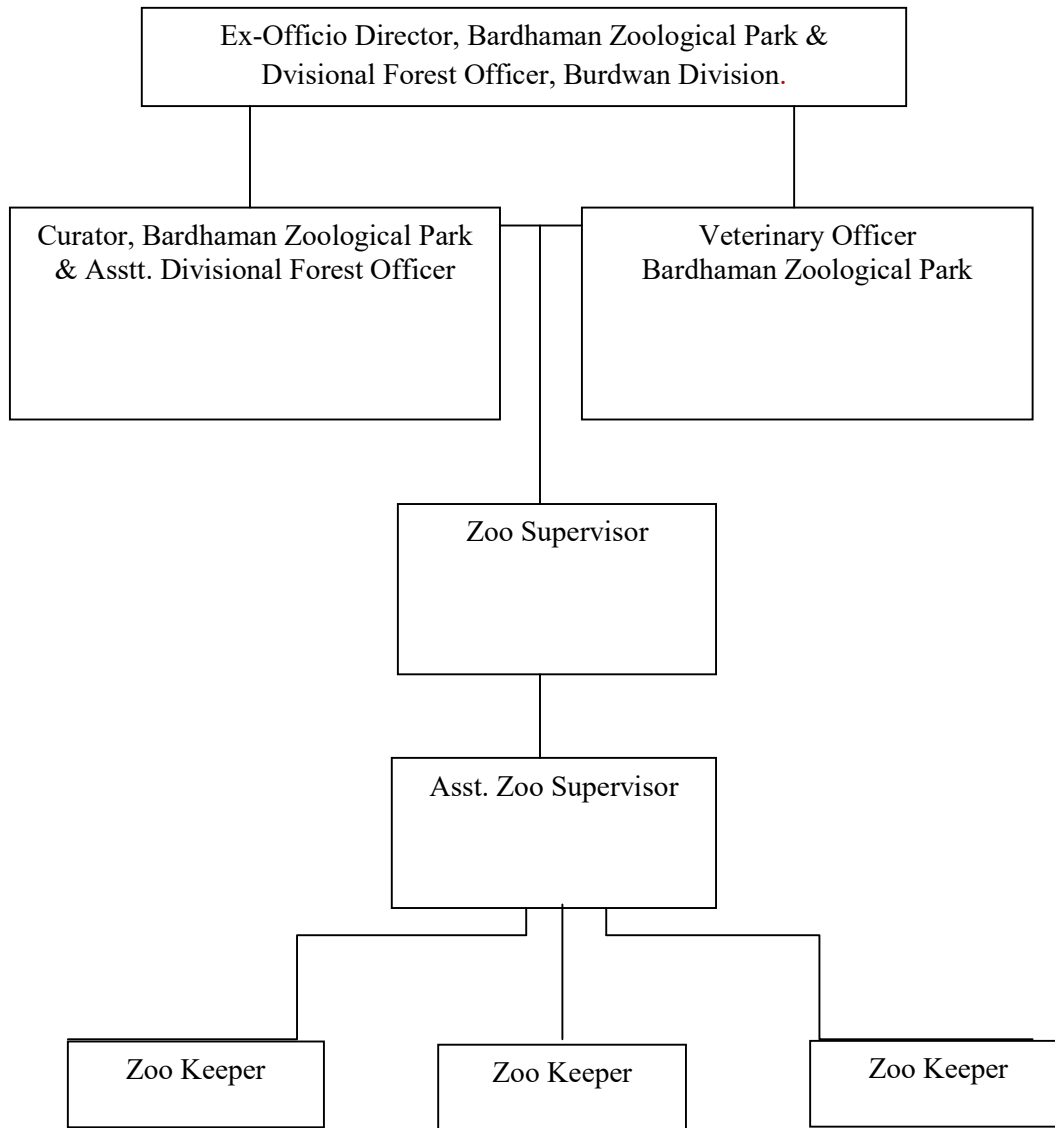
“Zoo Operator” means the person who has ultimate control over the affairs of the zoos provided that \_\_\_\_\_

I. in the case of a firm or other association of individuals, any one of the individual partners or members thereof; or

II. in the case of a company, any director, manager, secretary or other officer, who is in-charge of and responsible to the company for the affairs of the zoo; or

III. In case of zoo owned or controlled by the Central Government or any State Government or Union Territory Administration or any Trust or Society funded by the Central Government or a State Government or a Union Territory Administration, the Secretary of the concerned Department of that Government, or as the case may be the Union Territory Administration, shall be deemed to be the Zoo Operator.

**6. Organizational Chart**



**7. Human Resources**

**Manpower of the Zoo**

**A. Sanctioned strength of Officer & Staff**

Sl. No.	Designation	Number of Sanctioned Posts	Existing & Name of the Officials & incumbent(s)
		Sanctioned strength	Existing
1	Ex-officio Director	1	Miss Nisha Goswami, IFS, Divisional Forest Officer, Burdwan Division
2	Asstt. Director	1	Vacant
3	Veterinary Officer	1	Dr. Tapan Kumar Ghosh, Retd. V.O. (Contractual)
4	Zoo Biologist	1	Vacant
5	Zoo Supervisor	1	Sri Tarun Kanti Bandhopadhyay, Retd. R.O. (Contractual)
6	Education Assistant	1	Vacant
7	Veterinary Assistant	1	Shri Tanmoy Sarkar (Contractual)
8	Asstt. Zoo Supervisor	2	Vacant
7	Asstt. Estate/Security Supervisor	1	Vacant

8	Gate Keeper	1	Vacant
9	Driver	1	Vacant
10	Zoo Keeper	8	(Existing 2 only) 1. Shri Rabindranath Pal (Permanent) 2. Shri Susanta Mondal (Contractual)
11	UDC	1	Shri Sukumar Patra Retd. P.A. to DFO (Contractual)
12	OA/LDC	1	Shri Subhankar Das (Contractual)
13	Ticket Clerk	1	Vacant
<b>Total</b>		<b>23</b>	<b>8</b>

#### B. Support Staff (on contract)

Sl. No.	Designation	Number of Sanctioned Posts	Existing & Name of the Officials & incumbent(s)
		Sanctioned strength	Existing
1	Security Guard	12	1. Shri Pravat Majhi 2. Shri Avijit Das 3. Shri Binay Madhab Bhakat 4. Shri Raju Keut 5. Sk. Lal Babu 6. Sk. Alamgir Islam 7. Shri Manoj Kumar Shaw 8. Shri Krishnendu Mohanta
2	Sanitary Attendant	6	1. Shri Tapas Dalui
3	Garden Attendant	6	Vacant
4	Attendant	7	Vacant
5	Animal Attendant	8	Vacant
<b>Total</b>		<b>39</b>	<b>9</b>
<b>Grand Total</b>		<b>62</b>	<b>17</b>

\*Please give abovementioned information in respect of all zoo personnel, from the Officer in-charge upto the Animal Keeper.

#### 8. 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	Shri Tanmoy Sarkar Veterinary Assistant	Skill development training workshop for Scientific Staffs of West Bengal Zoo Authority	17 <sup>th</sup> – 18 <sup>th</sup> March, 2023	Zoological Garden, Alipore, Kolkata
2	Shri Rabindranath Pal Zoo Keeper	Regional Workshop for Capacity Enhancement of Zoo Keepers	21 <sup>st</sup> – 23 <sup>rd</sup> February, 2023	Zoological Garden Alipore in collaboration with Central Zoo Authority, New Delhi
3.	Dr. Tapan Kumar Ghosh, V.O.	Wildlife Disease Investigation Online Webinar	15 <sup>th</sup> – 17 <sup>th</sup> September, 2023	Online Training
4.	Shri Tanmoy Sarkar Veterinary Assistant			

#### 9. Zoo Advisory Committee– Not constituted yet.

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

**10. Health Advisory Committee**

A. Date of constitution - 07.03.2018 (Constituted by WBZA)

B. Members-

Sl. No.	Name with address	Role
1.	Joint Director, ARD IAH &VB (R&T), Belgachia, Kolkata-37	Chairman
2.	Dr. Joyjit Mitra, Specialist (Sero-Epidemiology), RDDDL (ER), IAH &VB, Belgachia, Kolkata-37	Member
3.	Dr. Debasish Chatterjee, Asstt. Director,ARD, (Vet.), (Disease Investigation), IAH &VB, Belgachia, Kolkata-37	Member
4.	Dr. Proloy Mandal, Asstt. Director, AR, (Vet.), IAH & VB, Belgachia, Kolkata – 37	Member

c. Dates on which Meetings held during the year - A virtual meeting of Health Advisory Committee for monitoring the compliance of Health Care Standards was held on 18.08.2021 with the officials of West Bengal Zoo Authority and with the different Zoological Park Representatives. The resolutions of the meeting are being complied with.

**11. Statement of income and expenditure of the Zoo**

Sl. No.	Scheme	Opening balance as on 01.04.2022 (Rs.)	Fund received during the year (Rs.)	Expenditure during the year (Rs.)	Closing balance as on 31.03.2023 (Rs)
1	Non-Plan (WBZA)	0.00	1,34,30,553.00	1,32,31,141.00	1,99,412.00
2.	Non-Plan (WBFD)	12,55,936.00	0.00	0.00	12,55,936.00
3.	State-Plan		2,33,463.00	2,33,463.00	0.00
4.	Plan Grant MP Lad Fund	1,00,000.00	0.00	0.00	1,00,000.00
5.	Corpus Fund	55,204.59	0.00	0.00	55,204.59
<b>A. Total -</b>		<b>14,11,140.59</b>	<b>1,36,64,016.00</b>	<b>15,54,604.00</b>	<b>16,10,552.59</b>
<b>Current Liabilities -</b>					
6.	Security Deposit	6,83,828.00	1,46,411.00	4,68,990.00	3,61,249.00
7.	Earnest Money Deposit	59,473.00	8,66,345.72	4,50,470.72	4,75,348.00
<b>B. Total</b>		<b>7,43,301.00</b>	<b>10,12,756.72</b>	<b>9,19,460.72</b>	<b>8,36,597.00</b>
<b>Grand Total (A+B) -</b>		<b>21,54,441.59</b>	<b>1,46,76,772.72</b>	<b>24,74,064.72</b>	<b>24,47,149.59</b>

Sl. No.	Item Details	Amount
1.	Revenue earned from collection of Entry fee to the Zoo (2022-2023)	Rs. 33, 69,225.00
2.	Collection from Parking Fees	Rs. 1,73,290.00
3.	Collection from Canteen Fees	Rs. 63,225.00
4.	Collection from Adoption of Zoo Animal	Rs. 25,000.00

**12. Daily feed schedule of animals (per animal/bird per day)**

GOLDEN PHEASANT (2 NOS)	WINTER SEASON		SUMMER SEASON		RAINY SEASON	
	Spinach	50 gm	Water spinach	50 gm	Water spinach	50 gm
	Apple	50 gm	Apple	50 gm	Apple	50 gm
	Orange	50 gm	Pomegranate	50 gm	Pomegranate	50 gm
	Carrot	50 gm	Cucumber	50 gm	Cucumber	50 gm
	Crushed maize	100gm	Crushed maize	100gm	Crushed maize	100gm
	Broken wheat	100gm	Broken wheat	100gm	Broken wheat	100gm
	Marble dust	10gm	Marble dust	10gm	Marble dust	10gm
	Egg	1 pc	Egg	1 pc	Egg	1 pc

<b>SILVER PHEASANT (1 NOS)</b>	<b>WINTER SEASON</b>		<b>SUMMER SEASON</b>		<b>RAINY SEASON</b>	
	Spinach	50 gm	Water spinach	50 gm	Water spinach	50 gm
	Apple	50 gm	Apple	50 gm	Apple	50 gm
	Orange	50 gm	Orange	50 gm	Orange	50 gm
	Carrot	50 gm	Carrot	50 gm	Carrot	50 gm
	Crushed maize	100gm	Crushed maize	100gm	Crushed maize	100gm
	Broken wheat	100gm	Broken wheat	100gm	Broken wheat	100gm
	Marbel dust	10gm	Marbel dust	10gm	Marbel dust	10gm
Egg	1 pc	Egg	1 pc	Egg	1 pc	
<b>RHESUS MACAQUE AND BONNET MACAQUE (7 NOS)</b>	<b>WINTER SEASON</b>		<b>SUMMER SEASON</b>		<b>RAINY SEASON</b>	
	Rice	50gm	Rice	50gm	Rice	50gm
	Wheat flour	300gm	Wheat flour	300gm	Wheat flour	300gm
	Banana	3pcs	Banana	3 pcs	Banana	3 pcs
	Spinach	200gm	Water spinach	200gm	Water spinach	200gm
	Cabbage/Carrot/Beans	200gm	Cabbage/Carrot/Beans	200gm	Cabbage/Carrot/Beans	200gm
	Seasonal fruits	100gm	Seasonal fruits	100gm	Seasonal fruits	100gm
	Potato	50gm	Soaked gram	100gm	Soaked gram	100gm
Soaked gram	100gm					
<b>PEA FOWLS (4 NOS)</b>	<b>WINTER SEASON</b>		<b>SUMMER SEASON</b>		<b>RAINY SEASON</b>	
	Paddy	40gm	Paddy	40gm	Paddy	40gm
	Gram pulse	160gm	Gram pulse	160gm	Gram pulse	160gm
	Green mug	25gm	Green mug	100gm	Green mug	400gm
	Egg	1pc	Egg	1pc	Egg	1pc
	Carrot	330gm	Carrot	330gm	Carrot	330gm
	<b>WINTER SEASON</b>		<b>SUMMER SEASON</b>		<b>RAINY SEASON</b>	
<b>SPOTTED DEER (112 NOS)</b>	Spinach/Cabbage	1200gm	Water spinach/Pumpkin	1200gm	Water spinach/Pumpkin	1200gm
	Carrot/beet root	300 gm	Carrot/beet root	200gm	Carrot/beet root	200gm
	Potato	200gm	Cucumber	500gm	Potato	200 gm
	Sweet potato	150gm	Sweet potato	150gm	Sweet potato	150gm
	Mollasses	50gm	Mollasses	50gm	Mollasses	50gm
	Crushed dal	175 gm	Crushed dal	175 gm	Crushed dal	175gm
	Wheat bran	450gm	Wheat bran	450 gm	Wheat bran	450gm
	Soaked gram	250gm	Soaked gram	250gm	Soaked gram	250gm
	Oil cake	20gm	Oil cake	20 gm	Oil cake	20gm
	Rock salt	38gm	Rock salt	38gm	Rock salt	38gm
<b>SLOTH BEAR (1 No.)</b>	<b>WINTER SEASON</b>		<b>SUMMER SEASON</b>		<b>RAINY SEASON</b>	
	Rice/daliya	400gm	Rice/dalia	400gm	Rice/daliya	400gm
	Wheat flour	250gm	Wheat flour	250gm	Wheat flour	250gm
	Milk	1 ltr	Milk	1 ltr.	Milk	1 ltr.
	Banana	12pcs	Banana	12pc	Banana	12 pc
	Honey	15gm	Honey	15gm	Curd	250 gm
	Jaggery	30gm	Jaggery	30gm	Jaggery	30gm
Seasonal fruits	200gm	Seasonal fruits	200gm	Seasonal fruits	200gm	
<b>LEOPARD (4 NOS)</b>	<b>WINTER SEASON</b>		<b>SUMMER SEASON</b>		<b>RAINY SEASON</b>	
	Beef	2.5 kg	Beef	2.5 kg	Beef	2.5 kg
	Chicken	1.75 kg	Chicken	1.75kg	Chicken	1.75kg

<b>MARSH CROCODILE (5 NOS.)</b>	<b>WINTER SEASON</b>		<b>SUMMER SEASON</b>		<b>RAINY SEASON</b>	
	Fish	1 kg	Fish	1 kg	Fish	1 kg
<b>CROCODILE (1 NO.)</b>	<b>WINTER SEASON</b>		<b>SUMMER SEASON</b>		<b>RAINY SEASON</b>	
	Beef/Chicken	1.5kg	Beef/Chicken	1.5kg	Beef/Chicken	1.5kg
<b>EMU (3 NOS)</b>	<b>WINTER SEASON</b>		<b>SUMMER SEASON</b>		<b>RAINY SEASON</b>	
	Carrot	800gm	Carrot	800gm	Carrot	800gm
	Banana	5 pc	Banana	5 pc	Banana	5 pc
	Spinach/ Cabbage	900gm	Spinach/ Cabbage	900gm	Spinach/ Cabbage	900gm
	Poultry feed/crushed daal	500gm	Poultry feed/crushed daal	500gm	Poultry feed /crushed daal	500gm
	Crushed maize	200gm	Crushed maize	200gm	Crushed maize	200gm
	Wheat bran	300gm	Wheat bran	300gm	Wheat bran	300gm
	<b>WINTER SEASON</b>		<b>SUMMER SEASON</b>		<b>RAINY SEASON</b>	
	<b><u>GREEN FODDER</u></b>					
<b>SAMBER DEER (2 Nos.)</b>	Kalmi/Palang/pumpkin/cabbage	3 kg	Kalmi/Palang/pumpkin/cabbage	3 kg	Kalmi/Palang/pumpkin/cabbage	3 kg
	Wheat Bran	600 gm	Wheat Bran	600 gm	Wheat Bran	600 gm
	Soya Meal	150gm	Soya Meal	150 gm	Soya Meal	150 gm
	Crushed daal	300 gm	Crushed daal	300 gm	Crushed daal	300 gm
	crush Maize	300 gm	crush Maize	300 gm	crush Maize	300 gm
	Ground nut cake	150 gm	Grund nut cake	150 gm	Grund nut cake	150 gm
	kutti (Chopped pady)	500gm	kutti (Chopped pady)	500gm	kutti (Chopped pady)	500gm
	Salt	15 gm	Salt	15 gm	Salt	15 gm
Molasses	100gm	Molasses	100gm	Molasses	100gm	
<b>BARKING DEER (3 Nos.)</b>	<b>WINTER SEASON</b>		<b>SUMMER SEASON</b>		<b>RAINY SEASON</b>	
	<b><u>GREEN FODDER</u></b>					
	Vegetable /Carrot/Beet root	1.5kg	Vegetable/Carrot/Beetroot	1.5kg	Vegetable/Carrot/Bee troot	1.5kg
	Sweet potato	150 gm	Sweet potato	150 gm	Sweet potato	150 gm
	Banana	2 pc	Banana	2pc	Banana	2 pc
	Wheat Bran	200gm	Wheat Bran	200gm	Wheat Bran	200 gm
	Oats	150 gm	Oats	150 gm	Oats	150 gm
	Salt	20 gm	Salt	20 gm	Salt	20 gm
Gram pulse	200 gm	Gram pulse	200 gm	Gram pulse	200 gm	
<b>BUZZ (5 nos) &amp; LESSER ADJUTANT STORK (2nos)</b>	<b>WINTER SEASON</b>		<b>SUMMER SEASON</b>		<b>RAINY SEASON</b>	
	Small Fish	550 gm	Small Fish	550 gm	Small Fish	550 gm
<b>TORTOISE (17 nos)</b>	<b>WINTER SEASON</b>		<b>SUMMER SEASON</b>		<b>RAINY SEASON</b>	
	Vegetable (Spinach, carrot,beet root)	88gm	Vegetable (water spinach, cucumber,beet root)	88gm	Vegetable (water spinach, cucumber,beet root)	88gm
	Gram Pulse	1kg	Gram Pulse	1kg	Gram Pulse	1kg
<b>PORCUPINE (7 nos)</b>	<b>WINTER SEASON</b>		<b>SUMMER SEASON</b>		<b>RAINY SEASON</b>	
	Potato	600 gm	Potato	600 gm	Potato	600 gm

	Gram pulse	75gm	Gram Pulse	75gm	Gram Pulse	75gm
	Pumpkin/Kalmi palong,cabbage	250 gm	Pumpkin/Kalmi/palong,cabbage	250gm	Pumpkin/Kalmi palong,cabbage	250gm
<b>INDIAN PARAKEETS (8nos)</b>	<b>WINTER SEASON</b>		<b>SUMMER SEASON</b>		<b>RAINY SEASON</b>	
	Vegetable (spinach, carrot, beetroot)	50gm	Vegetable ( Water, spinach, carrot, beetroot)	50gm	Vegetable ( Water, spinach, carrot, beetroot)	50gm
	Gram Pulse	25gm	Gram Pulse	25gm	Gram Pulse	25gm
	Paddy	25gm	Paddy	25gm	Paddy	25gm
	Kagji dana	20 gm	Kagji dana	20 gm	Kagji dana	20 gm
<b>LANGUR (4 nos)</b>	<b>WINTER SEASON</b>		<b>SUMMER SEASON</b>		<b>RAINY SEASON</b>	
	Banana	5 pcs	Banana	5 pcs	Banana	5 Pcs
	Cucumber	600gm	Cucumber	600gm	Cucumber	600gm
	Gram Pulse	250gm	Gram Pulse	250gm	Gram Pulse	250gm
	Potato	250gm	Potato	250gm	Potato	250gm
	Seasonal Fruits Green leafy vegetables	250gm 250 gm	Seasonal Fruits Green leafy vegetables	250gm 250gm	Seasonal Fruits Green leafy vegetables	250gm 250 gm.

### 13. De- worming Schedule of animals

Sl. No.	Species	Drug used	Date
1.	Sloth Bear	Nilzan	10-06-2022
		Nilzan	19-09-2022
		Albidal	02-01-2023
		Nilzan	14-04-2023
2.	Leopard	Eazypet – 10mg	27-04-2022
		Eazypet – 10mg	26-07-2022
		Eazypet	24-10-2022
		Albidal	11-08-2022
		Albidal	31-10-2022
		Albidal	03-02-2023
		Eazypet – 10mg	14-03-2023
3.	Spotted Dear	Nilzan	10-06-2022
		Albomer	19-09-2022
		Nilzam	02-01-2023
4.	Sambar Deer	Albidal	19-06-2022
		Nilzan	19-09-2022
		Albidal	02-01-2023
5.	Barking Deer	Nilzan	11-06-2022
		Albidal	19-09-2022
		Albidal	02-01-2023
6.	Monkey & Langoor	Nilzan	11-04-2022
		Nilzan	12-07-2022
		Albidal	12-10-2022
		Nilzan	02-01-2023
7.	Jungle Fox	Albendazole	25-06-2022
		Nilzan	19-09-2022
		Albidal	02-01-2023
8.	Porcupine	Nilzan	27-06-2022
		Albidal	20-09-2022
		Albidal	21-01-2023
9.	Buzz	Nilzan	10-06-2022
		Nilzan	19-09-2022
		Albidol	02-01-2023
10.	Parakeets	Nilzan	10-06-2022

		Nilzan	19-09-2022
		Albinol	02-01-2023
11.	Golden Pheasant	Nilzan	10-06-2022
		Nilzan	19-09-2022
		Albinol	02-01-2023
12.	Silver Pheasant	Nilzan	10-06-2022
		Nilzan	19-09-2022
		Albinol	02-01-2023
13.	Emu	Nilzan	10-06-2022
		Nilzan	19-09-2022
		Albinol	02-01-2023
14.	Peafowl	Nilzan	10-06-2022
		Nilzan	19-09-2022
		Albinol	02-01-2023

#### 14. Vaccination Schedule of Animals

Sl. No.	Species	Disease vaccine for	Name of vaccine/ Dose	Periodicity	Remarks
1	Leopard	Tricat Trio	1 ml	06-07-2022 (Dhruva & Kali)	1 year interval
		Raksharab		09.11.2022 (Dhruva, Kali & Krishna)	
		Feligen CRP		31-01-2022(Krishna)	

#### 15. Disinfection schedule

Sl. No.	Species	Type of enclosure	Disinfectant use	Frequency Disinfection
1	Sloth Bear		Kohrsolin water	Once in a Week
			Potassium permanganate wash	every day
2	Spotted Deer		Sodium hypochloride 10% spray & Lime, bleaching & Potassium permanganate wash	Twice in a month & Every Day
3	Sambar Deer			
4	Barking Deer			
5	All Birds		Potassium permanganate	Once in a Week
			Lime Spray & Virkons Spray	
			Dusting Lime	
6	Monkey & Langoor		Potassium permanganate	Every Day
			Sodium Hypochloride	Once in a Week
7	Leopard		Potassium permanganate	Every Day
			Bleaching Powder dusting	Once in a Week
			Kohrsolin spray	Every Day
8	Fox, Hyena & Vulture		Potassium permanganate	Every Day
			Dusting Lime	Once in a Week
9	Porcupine		Potassium permanganate	Every Day
			Virkons Spray	Once in a Week

#### 16. Health check up of employees working in the zoo during 2022-23 : Last done in the year 2021-22.

**17. Development Works carried out in the zoo during the year :**

**A. Completed in all:**

**1. Food Court**



## 2. Renovation of Boundary Wall



**3. Construction of Gents & Ladies Toilet**



#### 4. Construction of Bengal Fox Enclosure



**B. Beautification work**



**Rest Shed for visitors**



**Drinking Water Facility:**



**Khas Khas (Khus curtain) in Enclosures:**



## Sprinkler System:



## 18. Education and Awareness programmes during the year

- Sit & Draw Competition was organized by the Ex-Officio Director, Bardhaman Zoological Park on 5<sup>th</sup> June 2022 on the occasion of World Environment Day 2022 at Bardhaman Zoological Park. There was 40nos. participants registered for the competition.





- Training on live evidence handling and care of commonly seized and rescued animals at Bardhaman Zoological Park on 23-09-2022.





- Sit and Draw competition for Students was organized by the Ex-Officio Director, Bardhaman Zoological Park on 12<sup>th</sup> October 2022 on the occasion of 68<sup>th</sup> Wildlife Week.





- Wildlife Conservation among school children on 14<sup>th</sup> November 2022 on the occasion of Children's Day Celebration at Bardhaman Zoological Park.





- Celebration of World Sparrow Day on 23<sup>rd</sup> March 2023 at Bardhaman Zoological Park.



### 19. Important Events and happenings

- Birth of 2 (Two) Nos. Peafowl chick on 07-07-2022 & 08-07-2022.
- Birth of 2 (Two) Nos. Indian crested Porcupine on 28-03-2022.
- Birth of 1 (One) No. Male Leopard Cub on 11-08-2022.

### 20. Seasonal special arrangements for upkeep of animals

1. Special water arrangement during summer.
2. Arrangement for shade over the enclosures to avoid direct sunlight during hot summer.
3. Provision of Fan/ Cooler during summer or when required.
4. Installation of sprinklers in front of every enclosure as a cooling system to prevent the animals from excessive heat during summer.

### 21. Research Work carried out and publications – Nil

### 22. Conservation Breeding Programme of the Zoo – Nil

### 23. Animal acquisition / transfer / exchange during the year

A.	Animals arriving in the Zoo				
	H.No	Species	Number (M:F)	From which Zoo	Date of arrival in the zoo
	1	Marsh Crocodile ( <i>Crocodylus palustris</i> )	3 female	Alipore Zoological Garden	19.08.2022

B.	Animals going in the Zoo				
	H.No	Species	Number (M:F)	Going to which Zoo	Date of deposition from the zoo
	1.	Porcupine ( <i>Hystrix indica</i> )	3 (2:1)	Alipore Zoological Garden, Kolkata	21.04.2022
	2.	Fishing Cat ( <i>Felis viverrina</i> )	1 male	Alipore Zoological Garden, Kolkata	21.04.2022

### 24. Rescue and Rehabilitation of wild animals carried out by the Zoo 2022-23

Sl. No	Date of Rescue	Species number of Rescue with Their Sex		Received From	Date of Submission of Report to the CWL W/CZ A	Date and Place of rehabilitation in their habitat	Reasons for housing in the Zoo if not released in nature
		Sex	Spp.				
						Kept in the Zoo for treatment and observation. Released in nature after recuperation from injury /illness.	N.A.
1	02-04-2022	F	Langur	Durgapur Range		-do-	N.A.
2	05/04/2022	M	Langur	Katwa Range		-do-	N.A.
3	07-04-2022	M	Langur	Katwa Range		-do-	N.A.
4	16-04-2022	M	Langur	Katwa Range		-do-	N.A.
5	18-04-2022	F	Langur	Katwa Range		-do-	N.A.

6	18-04-2022	F	Langur	Katwa Range		-do-	N.A.
7	22-04-2022	M	Langur	Burdwan Range		-do-	N.A.
8	25-04-2022	M	Langur	Durgapur Range		-do-	N.A.
9	27-04-2022	M	Langur	Burdwan Range		-do-	N.A.
10	29/04/2022	F	Langur	Burdwan Range		-do-	N.A.
11	06-05-2022	M	Langur	Burdwan Range		-do-	N.A.
12	08-05-2022	F	Langur	Burdwan Range		-do-	N.A.
13	13/05/2022	M	Langur	Burdwan Range		-do-	N.A.
14	21/05/2022	M	Langur	Katwa Range		-do-	N.A.
15	26/05/2022	M	Langur	Burdwan Range		-do-	N.A.
16	30/05/2022	M	Langur	Burdwan Range		-do-	N.A.
17	01/06/2022	F	Langur	Katwa Range		-do-	N.A.
18	04-06-2022	F	Langur	Burdwan Range		-do-	N.A.
19	06/06/2022	M	Langur	Burdwan Range		-do-	N.A.
20	09-06-2022	M	Langur	Burdwan Range		-do-	N.A.
21	10-06-2022	F	Langur	Guskara Range		-do-	N.A.
22	11-06-2022	M	Langur	Guskara Range		-do-	N.A.
23	26-06-2022	F	Langur	Burdwan Range		-do-	N.A.
24	28-06-2022	M	Langur	Katwa Range		-do-	N.A.
25	29-06-2022	F	Langur	Katwa Range		-do-	N.A.
26	29-06-2022	F	Langur	Katwa Range		-do-	N.A.
27	03-07-2022	M	Langur	Burdwan Range		-do-	N.A.
28	04-07-2022	M	Langur	Burdwan Range		-do-	N.A.
29	30-07-2022	M	Langur	Katwa Range		-do-	N.A.
30	08-07-2022	M	Langur	Burdwan Range		-do-	N.A.
31	16-07-2022	M	Langur	Katwa Range		-do-	N.A.
32	22-07-2022	M	Langur	Katwa Range		-do-	N.A.
33	22-07-2022	F	Langur	Katwa Range			
34	25-07-2022	M	Langur	Burdwan Range		-do-	N.A.
35	29-07-2022	M	Langur	Burdwan Range		-do-	N.A.
36	02-08-2022	F	Langur	Guskara Range		-do-	N.A.
37	04-08-2022	F	Langur	Burdwan Range		-do-	N.A.
38	11-08-2022	M	Langur	Burdwan Range		-do-	N.A.
39	16-08-2022	M	Langur	Burdwan Range		-do-	N.A.
40	30-08-2022	M	Langur	Katwa Range		-do-	N.A.
41	07-09-2022	F	Langur	Katwa Range		-do-	N.A.
42	09-09-2022	M	Langur	Burdwan Range		-do-	N.A.
43	10-09-2022	M	Langur	Burdwan Range		-do-	N.A.
44	14-09-2022	F	Langur	Burdwan Range		-do-	N.A.
45	17-09-2022	M	Langur	Burdwan Range		-do-	N.A.
46	19-09-2022	M	Langur	Burdwan Range		-do-	N.A.
47	27-09-2022	M	Langur	Burdwan Range		-do-	N.A.
48	29-09-2022	F	Langur	Katwa Range		-do-	N.A.
49	04-10-2022	M	Langur	Burdwan Range		-do-	N.A.
50	06-10-2022	M	Langur	Burdwan Range		-do-	N.A.
51	06-10-2022	F	Langur	Burdwan Range		-do-	N.A.
52	11-10-2022	M	Langur	Katwa Range		-do-	N.A.
53	12-10-2022	M	Langur	Burdwan Range		-do-	N.A.
54	17-10-2022	M	Langur	Panagarh Range		-do-	N.A.
55	23-10-2022	M	Langur	Katwa Range		-do-	N.A.
56	26-10-2022	M	Langur	Katwa Range		-do-	N.A.
57	28-10-2022	F	Langur	Katwa Range		-do-	N.A.
58	02-11-2022	M	Langur	Burdwan Range		-do-	N.A.
59	04-11-2022	F	Langur	Burdwan Range		-do-	N.A.
60	06-11-2022	M	Langur	Burdwan Range		-do-	N.A.
61	07-11-2022	M	Langur	Katwa Range		-do-	N.A.
62	14-11-2022	M	Langur	Katwa Range		-do-	N.A.
63	29-11-2023	M	Langur	Burdwan Range		-do-	N.A.
64	02-12-2022	F	Langur	Guskara Range		-do-	N.A.

65	07-12-2022	M	Langur	Burdwan Range		-do-	N.A
66	08-12-2022	M	Langur	Guskara Range		-do-	N.A
67	10-12-2022	M	Langur	Burdwan Range		-do-	N.A
68	12-12-2022	M	Langur	Burdwan Range		-do-	N.A
69	19-12-2022	M	Langur	Katwa Range		-do-	N.A
70	23-12-2022	M	Langur	Burdwan Range		-do-	N.A
71	23-12-2022	F	Langur	Burdwan Range		-do-	N.A
72	24-12-2022	M	Langur	Panagarh Range		-do-	N.A
73	25-12-2022	F	Langur	Burdwan Range		-do-	N.A
74	28-12-2022	M	Langur	Katwa Range		-do-	N.A
75	02-01-2023	M	Langur	Burdwan Range		-do-	N.A
76	03-01-2023	M	Langur	Burdwan Range		-do-	N.A
77	03-01-2023	M	Langur	Burdwan Range		-do-	N.A
78	05-01-2023	M	Langur	Burdwan Range		-do-	N.A
79	11-01-2023	M	Langur	Burdwan Range		-do-	N.A
80	11-01-2023	F	Langur	Burdwan Range		-do-	N.A
81	12-01-2023	M	Langur	Burdwan Range		-do-	N.A
82	12-01-2023	F	Langur	Burdwan Range		-do-	N.A
83	19-01-2023	M	Langur	Katwa Range		-do-	N.A
84	24-01-2023	M	Langur	Burdwan Range		-do-	N.A
85	25-01-2023	M	Langur	Burdwan Range		-do-	N.A
86	30-01-2023	M	Langur	Burdwan Range		-do-	N.A
87	01-02-2023	M	Langur	Burdwan Range		-do-	N.A
88	02-02-2023	M	Langur	Burdwan Range		-do-	N.A
89	04-02-2023	F	Langur	Burdwan Range		-do-	N.A
90	04-02-2023	M	Langur	Panagarh Range		-do-	N.A
91	10-02-2023	F	Langur	Katwa Range		-do-	N.A
92	13-02-2023	M	Langur	Panagarh Range		-do-	N.A
93	23-02-2023	M	Langur	Katwa Range		-do-	N.A
94	23-02-2023	M	Langur	Katwa Range		-do-	N.A
95	23-02-2023	M	Langur	Burdwan Range		-do-	N.A
96	26-02-2023	M	Langur	Burdwan Range		-do-	N.A
97	03-03-2023	M	Langur	Panagarh Range		-do-	N.A
98	15-06-2022	F	Ibis	Burdwan Range		-do-	N.A
99	26-06-2022		Unknown Birds	Burdwan Range		-do-	N.A
100	12-07-2022		Kingfisher	Burdwan Range		-do-	N.A
101	09-08-2022		Lesser Whistling Duck	Burdwan Range		-do-	N.A
102	18-08-2022		Chicks-67 nos.	Burdwan Range		-do-	N.A

103	04-09-2022		Bats	Burdwan Range		-do-	N.A
104	12-07-2022		Leasand	Katwa Range		-do-	N.A
105	07-09-2022		Flnchi – 18 (4nos. Dead)	Katwa Range		-do-	N.A
106	08-10-2022		Hank	Burdwan Range		-do-	N.A
107	12-10-2022		Heron	Katwa Range		-do-	N.A
108	05-11-2022		Swamp hen	Burdwan Range		-do-	N.A
109	16-12-2022		Lesser Whistling Duck	Burdwan Range		-do-	N.A
110	13-01-2023		Kingfisher	Panagarh Range		-do-	N.A
111	16-01-2023		Lesser	Burdwan Range		-do-	N.A
112	06-02-2023		Badri-80, Finch-50, Rabbit-15	Durgapur Range		-do-	N.A
113	22-02-2023		Munia	Burdwan Range		-do-	N.A
114	11-01-2022		Hyena	Asansol Range		-do-	N.A
115	07-12-2022		Hyena	Asanol Range		-do-	N.A
116	27-03-2022		Spotted Deer	Jaypur Range		-do-	N.A
117	03-03-2023		Langur	Katwa Range		-do-	N.A
118	06-03-2023		Langur	Panagarh Range		-do-	N.A
119	08-03-2023		Langur	Burdwan Range		-do-	N.A
120	09-03-2023		Langur	Burdwan Range		-do-	N.A
121	12-03-2023		Langur	Burdwan Range		-do-	N.A
122	14-03-2023		Langur	Burdwan Range		-do-	N.A
123	24-03-2023		Langur	Burdwan Range		-do-	N.A
124	25-03-2023		Langur	Burdwan Range		-do-	N.A
125	25-03-2023		Langur	Burdwan Range		-do-	N.A
126	26-03-2023		Langur	Burdwan Range		-do-	N.A
128	24-04-2022		Rhesus	Guskara Range		-do-	N.A
129	14-06-2022		Rhesus	Burdwan Range		-do-	N.A
130	29-06-2022		Rhesus	Burdwan Range		-do-	N.A
131	22-07-2022		Rhesus	Katwa Range		-do-	N.A
132	03-08-2022		Rhesus	Panagarh Range		-do-	N.A
133	08-08-2022		Rhesus	Burdwan Range		-do-	N.A
134	17-10-2022		Rhesus	Panagarh Range		-do-	N.A
135	14-11-2022		Rhesus	Burdwan Range		-do-	N.A
136	09-12-2022		Rhesus	Burdwan Range		-do-	N.A
137	13-12-2022		Rhesus	Burdwan Range		-do-	N.A
138	26-12-2022		Rhesus	Burdwan Range		-do-	N.A
139	19-01-2022		Rhesus	Panagarh Range		-do-	N.A
140	13-02-2022		Rhesus	Durgapur Range		-do-	N.A
141	13-02-2022		Rhesus	Panagarh Range		-do-	N.A
142	16-07-2022		Fox	Burdwan Range		-do-	N.A
143	19-07-2022		Fox	Burdwan Range		-do-	N.A
144	08-12-2022		Fox	Burdwan Range		-do-	N.A
145	16-01-2023		Lizard	Burdwan Range		-do-	N.A
146	21-06-2022		Civet Cat- 2nos	Burdwan Range		-do-	N.A
147	04-06-2022		Civet Cat	Burdwan Range		-do-	N.A
148	14-04-2022		Tortoise	Burdwan Range		-do-	N.A
149	19-06-2022		Tortoise	Burdwan Range		-do-	N.A
150	20-06-2022		Tortoise	Burdwan Range		-do-	N.A
151	22-06-2022		Tortoise	Burdwan Range		-do-	N.A

152	17-07-2022		Tortoise	Burdwan Range		-do-	N.A
153	04-08-2022		Tortoise	Burdwan Range		-do-	N.A
154	09-10-2022		Tortoise	Burdwan Range		-do-	N.A
155	20-10-2022		Tortoise	Burdwan Range		-do-	N.A
156	28-11-2022		Tortoise	Burdwan Range		-do-	N.A
157	09-11-2022		Tortoise	Burdwan Range		-do-	N.A
158	29-11-2022		Tortoise	Burdwan Range		-do-	N.A
159	02-01-2023		Tortoise	Burdwan Range		-do-	N.A
160	28-01-2023		Tortoise	Burdwan Range		-do-	N.A
161	28-01-2023		Tortoise	Burdwan Range		-do-	N.A
162	13-05-2022		Buzz	Burdwan Range		-do-	N.A
163	27-05-2022		Buzz	Burdwan Range		-do-	N.A
164	13-09-2022		Buzz	Durgapur Range		-do-	N.A
165	13-09-2022		Buzz	Katwa Range		-do-	N.A
166	15-09-2022		Buzz	Burdwan Range		-do-	N.A
167	25-12-2022		Buzz	Burdwan Range		-do-	N.A
168	21-01-2022		Buzz	Burdwan Range		-do-	N.A
169	26-03-2023		Buzz	Burdwan Range		-do-	N.A
170	06-04-2022		Owl	Burdwan Range		-do-	N.A
171	18-04-2022		Owl	Burdwan Range		-do-	N.A
172	16-05-2022		Owl	Durgapur Range		-do-	N.A
173	31-05-2022		Owl	Burdwan Range		-do-	N.A
174	29-06-2022		Owl	Burdwan Range		-do-	N.A
175	26-07-2022		Owl	Burdwan Range		-do-	N.A
176	13-11-2022		Owl	Burdwan Range		-do-	N.A
177	17-11-2022		Owl	Burdwan Range		-do-	N.A
178	18-11-2022		Owl	Burdwan Range		-do-	N.A
179	21-12-2022		Owl	Burdwan Range		-do-	N.A
180	22-12-2022		Owl	Burdwan Range		-do-	N.A
181	29-12-2022		Owl	Burdwan Range		-do-	N.A
182	29-12-2022		Owl	Panagarh Range		-do-	N.A
183	13-01-2023		Owl	Panagarh Range		-do-	N.A
184	06-01-2023		Owl	Panagarh Range		-do-	N.A
185	21-02-2023		Owl	Panagarh Range		-do-	N.A
186	22-02-2023		Owl	Burdwan Range		-do-	N.A
187	25-03-2023		Owl	Burdwan Range		-do-	N.A
188	28-03-2023		Owl	Katwa Range		-do-	N.A
189	11-11-2022		Civet Cat	Burdwan Range		-do-	N.A
190	15-11-2022		Civet Cat	Burdwan Range		-do-	N.A
191	19-12-2022		Civet Cat	Burdwan Range		-do-	N.A
192	07-01-2023		Civet Cat	Burdwan Range		-do-	N.A
193	03-03-2023		Civet Cat	Katwa Range		-do-	N.A
194	19-11-2022		Porcupine	Katwa Range		-do-	N.A
195	15-12-2022		Porcupine	Katwa Range		-do-	N.A
196	19-12-2022		Porcupine	Burdwan Range		-do-	N.A
197	10-12-2022		Vulture	Bankura Division		-do-	N.A
198	16-07-2022		Jungle Fowl	Durgapur Range		-do-	N.A
199	06-04-2022		Parakeets	Burdwan Range		-do-	N.A
200	01-06-2022		Parakeets	Burdwan Range		-do-	N.A
201	15-06-2022		Parakeets	Durgapur Range		-do-	N.A
202	07-09-2022		Parakeets	Katwa Range		-do-	N.A
203	18-09-2022		Parakeets	Burdwan Range		-do-	N.A
204	20-01-2023		Parakeets	Burdwan Range		-do-	N.A
205	06-02-2023		Parakeets	Durgapur Range		-do-	N.A
206	22-03-2023		Parakeets	Durgapur Range		-do-	N.A
207	10-02-2023		Parakeets	Burdwan Range		-do-	N.A
208	03-03-2023		Parakeets	Burdwan Range		-do-	N.A

25. Annual Inventory of animals (2022-23)

FORM-II

[See rule 11 (1)]

Bardhaman Zoological Park (Ramnabagan Mini Zoo), Burdwan, West Bengal

Proforma for Annual Inventory Report

Inventory Report for the Year : 2022-2023

Endangered Species:

Sl. No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2022)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2023)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
<b>Aves</b>																						
1.	Jerdon's Baza	<i>Aviceda jerdoni</i>	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
2.	Black Baza	<i>Aviceda leuphotes</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
3.	Indian Peafowl	<i>Pavo cristatus</i>	2	1	0	3	0	0	1	0	0	0	0	0	0	0	0	0	2	1	1	4
<b>Total Aves</b>	<b>3</b>		<b>2</b>	<b>1</b>	<b>5</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>1</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>1</b>	<b>5</b>	<b>9</b>
<b>Mammalia</b>																						
1.	Rhesus Macaque	<i>Macaca mulatta</i>	2	3	1	6	0	0	0	0	0	0	0	0	0	0	0	0	2	3	1	6
2.	Bonnet Macaque	<i>Macaca radiata</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
3.	Sloth Bear	<i>Melursus ursinus</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
4.	Leopard	<i>Panthera pardus</i>	2	1	0	3	0	0	1	0	0	0	0	0	0	0	0	0	2	2	0	4
<b>Total Mammalia</b>	<b>4</b>		<b>4</b>	<b>6</b>	<b>1</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>1</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>4</b>	<b>7</b>	<b>1</b>	<b>12</b>
<b>Reptilia</b>																						
1.	Marsh Crocodile	<i>Crocodylus palustris</i>	2	0	0	2	0	0	0	0	3	0	0	0	0	0	0	0	2	3	0	5
2.	Saltwater Crocodile	<i>Crocodylus porosus</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
<b>Total Reptilia</b>	<b>2</b>		<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</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>3</b>	<b>3</b>	<b>0</b>	<b>6</b>
<b>Total</b>			<b>9</b>	<b>7</b>	<b>6</b>	<b>22</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>11</b>	<b>7</b>	<b>27</b>

\*Animals under Sch-I and Sch-II of Wild Life (Protection) Act, 1972

**Other than Endangered Species:**

Sl. No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2022)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2023)				
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
<b>Aves</b>																							
1.	Golden Pheasant	<i>Chrysolophus pictus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
2.	Emu	<i>Dromaius novaehollandiae</i>	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3	
3.	Lesser Adjutant Stork	<i>Leptoptilos javanicus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
4.	Silver Pheasant	<i>Lophura nycthemera</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	
5.	Rose-ringed Parakeet	<i>Psittacula krameri</i>	4	4	0	8	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	8	
<b>Total Aves</b>	<b>6</b>		<b>9</b>	<b>8</b>	<b>0</b>	<b>17</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>1</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>8</b>	<b>0</b>	<b>16</b>	

**Mammalia**

Sl. No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2022)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2023)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
1.	Chital/ Spotted Deer	<i>Axis axis</i>	19	31	26	76	12	22	6	0	0	0	0	0	0	3	1	0	28	52	32	112
2.	Indian Crested Porcupine	<i>Hystrix indica</i>	3	2	5	10	0	0	0	0	0	0	2	1	0	0	0	0	1	1	5	7
3.	Indian Muntjac	<i>Muntiacus muntjak</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3
4.	Sambar Deer	<i>Rusa unicolor</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
5.		<i>Semnopithecus</i>	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4
<b>Total Mammalia</b>	<b>5</b>		<b>26</b>	<b>38</b>	<b>31</b>	<b>95</b>	<b>12</b>	<b>22</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>33</b>	<b>58</b>	<b>37</b>	<b>128</b>

Sl. No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2022)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2023)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
<b>Reptilia</b>																						
1.	Indian Star Tortoise	<i>Geochelone elegans</i>	14	2	0	16	0	0	0	0	0	0	0	0	0	1	2	0	13	0	0	13
2.	American box turtle, Common Box Turtle, Eastern Box Turtle, Mexican box turtle, Yucatan box turtle	<i>Terrapene carolina</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
<b>Total Reptilia</b>	<b>2</b>		<b>15</b>	<b>2</b>	<b>0</b>	<b>17</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>1</b>	<b>2</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>14</b>	
<b>Total</b>			<b>50</b>	<b>48</b>	<b>34</b>	<b>132</b>	<b>12</b>	<b>22</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>5</b>	<b>3</b>	<b>0</b>	<b>55</b>	<b>66</b>	<b>37</b>	<b>158</b>
<b>Grand Total</b>			<b>59</b>	<b>55</b>	<b>40</b>	<b>154</b>	<b>12</b>	<b>23</b>	<b>7</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>5</b>	<b>3</b>	<b>0</b>	<b>64</b>	<b>55</b>	<b>44</b>	<b>185</b>

#### 26. Death of wild animals (2022-2023):

Annual Inventory Death Report for the year 2022-2023(01.04.2022 to 31.03.2023)

Sl. No.	Animal name (with individual identification mark, if any)	Scientific Name	Sex	Date of Death	Cause of Death
1.	Spotted Deer	<i>Axis axis</i>	M	17-05-2022	Cardio respiratory failure due to old age.
2.	Peafowl / peacock	<i>Pavo cristatus</i>	M	16-06-2022	Due to sudden shock
3.	Star Tortoise	<i>Geochelone elegans</i>	F	08-07-2022	Due to Tortoise Herps Vinus injection
4.	Peachick		U	08-08-2022	Due to septicaemia & toxaemia caused by heavy end parasitic load & bacterial infection
5.	Spotted Deer	<i>Axis axis</i>	F	26-09-2022	Due to head injury cardio shock & cardio respiratory failure
6.	Star Tortoise	<i>Geochelone elegans</i>	M	15-10-2022	Cardio respiratory failure.
7.	Spotted Deer	<i>Axis axis</i>	M	16-10-2022	Due to infighting & cardio respiratory failure
8.	Silver Pheasant	<i>Lophura nycthemera</i>	M	14-11-2022	Due to septicaemia & toxaemia of bacterial infections
9.	Spotted Deer	<i>Axis axis</i>	M	01-12-2022	Due to exotoxemia
10.	Star Tortoise	<i>Geochelone elegans</i>	F	18-01-2023	Due to hepatitis & cardio respiratory failure
11.	Spotted Deer Fawn	<i>Axis axis</i>	F	15-03-2023	Due to distress & cardio respiratory failure

## 27. Status of the Compliance with conditions stipulated by the Central Zoo Authority

Status of Compliance with Conditions stipulated by the Central Zoo Authority vide their letter No. 22-67/2004 -CZA(473) (Vol-II) (PKR)/4960/2018 dt. 30.10.2018 (As on 31.03.2022)

### Details on compliance of the conditions stipulated by the Central Zoo Authority upto 31.03.2023. (as per the earlier letter of grant of recognition issued to the zoo)

Letter No. (1) File No.22-49/2004-CZA (489)(NE) dated 22.02.2021  
(2) File No.22-49/2004-CZA (489)(NS) dated 02.01.2019  
(3) File No.22-49/2004-CZA (489)(NS) dated 20.06.2016

Sl. No.	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Status with regard to compliance of the conditions as submitted by the Officer-in-charge of the Zoo as on 31.03.2023
1	10.1 (6)	The zoo should construct the boundary wall of 2 mts. height to separate residential accommodation from the zoo premises with independent entry and exit facility	Immediately	30.10.2018	Complied with. The residential accommodation has been separated from the Zoo campus by constructing a wall of 2 mts. height with separate entry and exist gates.
	10.1(8)	The zoo shall not accept animals without creation of isolation-cum-quarantine enclosure for such animals	Immediately	30.10.2018	Complied with. No rescued animal has been kept in the Zoo
	10.1(9)	Towards the residential staff quarters, there has not been sufficient barrier to stop the entry of domestic animal like dog as dogs were seen roaming in the zoo during evaluation. The necessary arrangement to stop the entry of domestic animals should be made	Immediately	30.10.2018	Complied with. As per suggestions, action has already been taken to stop the entry of domestic animal like dog by erecting boundary wall of 2 mt. height.
<b>2. Administrative and Staffing Pattern</b>					
	10.2(1)	The Zoo Director is also having the additional responsibility of the Forest division. The Zoo Director shall be deputed to work exclusively for the zoo or officer of appropriate rank with adequate administrative and financial powers shall be deployed exclusively for the zoo to take care of zoo inmates and welfare	Immediately	30.10.2018	No comment. It is the policy matter of higher authority.
	10.2(2)	The zoo shall also appoint full-time Veterinarian, Biologist and Curator to support the Officer-in-Charge in carrying out various responsibilities for management of the zoo including animal housing. Upkeep, healthcare, Research and visitor education	Immediately	30.10.2018	The ADFO functions as the Curator of the Zoo. One Veterinary Officer and One Veterinary Assistant have been engaged to carry out various responsibilities for management of the zoo

					including animal housing, upkeep, healthcare.  Visitor's Education is being done by Zoo Supervisor.
<b>3. Development and Planning</b>					
6	10.3(1)	The zoo should submit the Master Plan of the zoo for approval of the CZA.	Immediately	30.10.2018	Master Plan has been approved vide CZA's File No. 22-67/2004-CZA(473)(NE), Computer No. 147074 dt. 27.07.2021.
<b>4. Animal housing, display of animals and animal enclosures</b>					
7	10.4.(3)	The provision for the entry of the Animal Keeper in the deer enclosures should be made from the back side of the enclosure from the night house for service in case of newly constructed animal enclosure of Leopard, it shall be covered by steel plate in order to avoid the escape of animal from enclosure. The trees adjacent to the fence of the enclosure appears not to be safe to prevent animal from escaping the enclosure	Immediately	30.10.2018	Complied with. 1. Entry of Animal Enclosure in Deer enclosure as suggested has by this time been completed.  2. Steel plates and power fence has been installed on the fence of leopard enclosure.  3. Trees adjacent to the Leopard fence have been trimmed /felled as per the advice of Central Zoo Authority.
8	10.4(6)	The zoo should provide species specific natural enrichment to the animals of all species housed in	Six months	30.10.2018	Complied with. Natural enrichment to the species of Pheasantry, Monkey, Langour has been done.
9	10.4(9)	The live hedge should be planted in between the standoff barrier and enclosure wall in all newly constructed enclosure of leopard. Sloth bear and deer species to prevent teasing and feeding of animals. Appropriate signage warning the visitors of consequences of violation may also be provided at various places	Three months	30.10.2018	Complied with
10	10.4(10)	The bilingual signages should be displayed with adequate scientific information of the species housed in front visitor viewing side in each enclosure. These should be placed on a board and should not be banged to the enclosure fence	Three months	30.10.2018	Complied with

<b>5. Upkeep and healthcare of animals</b>					
11	10.5(2)	The zoo should upgrade its store-cum-kitchen as per approved Master (Layout) Plan. A fly proof Meat House should also be constructed with adequate drainage facility	Immediately	30.10.2018	Complied with.
12	10.5(5)	The provision of footbath should be made at entry and exist point of each enclosure with arrangement of proper disinfectants		30.10.2018	As per suggestions, it has been implemented.
13		The leftover excreta in case of deer species and other wastes should be removed on daily basis		30.10.2018	Being done on daily basis.
14	10.5(6)	The food and water samples should be tested at recognised laboratory randomly and periodically for any contaminants	Immediately	30.10.2018	Is being done as per suggestion.
15	10.5(8)	The vaccination and de-worming schedule for captive animals should be prepared and displayed at each enclosure. Accordingly, the animal vaccination and de-worming should be done	Immediately	30.10.2018	Complied with.
16	10.5(9)	The zoo personnel handling animals should be screened against zoonotic diseases at least once in a year and the records thereof should be maintained.	Immediately	30.10.2018	The Health Check up of almost all the Zoo Keepers & animal attendants is done annually. Last done on 30.11.2022 (3 staffs) 24.12.2021 (5 staffs) 31.12.2021 (4 staffs) This will be got done for this year shortly.
17	10.5(10)	The Keeper's Diary, Daily Reports, Animal History Cards and Treatment Cards should be prepared as per the specified standards/format of the CZA	Immediately	30.10.2018	Yes, The keeper's Diary, Daily Reports, Animal History Cards and Treatment Cards already prepared and maintained regularly as per the specified standards/ format of the Central Zoo Authority.
<b>6. Veterinary and infrastructure facilities</b>					
18	10.6(1)	The veterinary unit of the zoo should also be upgraded with adequate equipments for proper veterinary care of the animals	Three months	30.10.2018	Being complied with. Record is being maintained
19	10.6(5)	Whole time veterinary support staff shall be deputed as per the rules	Immediately	30.10.2018	Being complied with. Record is being maintained
<b>7. Post-mortem and disposal of carcasses of animals</b>					
20	10.7 (2)	The zoo should record the finding of the post-mortem of every animals dying in zoo in the CZA prescribed format and records thereof should be maintained for not less than six years.	Immediately	30.10.2018	Being complied with. Record is being maintained

<b>9. Acquisition and breeding of animals</b>					
21	10.9(2)	The zoo shall also take animal exchange programme especially for deer species with other nearby recognised zoos as a safeguard against ill-effects of inbreeding	Immediately as not done from long past	30.10.2018	Safeguard against ill effects of inbreeding Spotted Deer from Garchumuk Deer Park were translocated to Ramnabagan Mini Zoo and from Bardhaman Zoological Park (erstwhile Ramnabagan Mini Zoo) were translocated to Buxa Tiger Reserve. More efforts will be made to take deer exchange programme with nearby Zoos to prevent inbreeding complicacies. A proposal approved by WBZA is there for translocation of spotted deer 40. (15:25) nos. to Sundarban National Tiger Reserve vide their No.12/WBZA/T-21/21-22 dt. 02.07.2021 which will be implemented shortly.
<b>10. Research Activities</b>					
22	10.10(1)	The zoo shall initiate research studies in association with the Bardhaman University located adjacent to the zoo	One Year	30.10.2018	Efforts are being made in this direction.
<b>11. Educational and outreach activities</b>					
23	10.11(1)	The zoo should also take up educational activity involving the students from the Bardhaman University and other educational institution in the area	Immediately	30.10.2018	Many such programmes for awareness are organised for the students and celebration of Wildlife Week, Wildlife Day, Ban Mahotsav, World Environment Day, Sparrow Day etc. are being done.
<b>12. Visitor facilities</b>					
24	10.12(2)	Anti-venom and life saving drugs should be stored in the zoo campus for the visitor or zoo staff as and when required	Immediately	30.10.2018	Efforts are being taken to comply with the same.
25.	10.12.(3)	The zoo should make arrangement of wheel chair to facilitate the visit of 'divyangjan' and the animal enclosures and civic facilities for the visitors should be made accessible to them.		30.10.2018	Complied with.
<b>1. General requirements</b>					
1	10.1(1)	The zoo has been breeding among the existing population of spotted deer since 1978. The zoo should implement proper and adequate population control measures	One Year	22.08.2017	154 no. (59 no. male and 95 female) has been translocated to Buxa Tiger Reserve in compliance with Memo No.379/WL/2W-260 dt.

					09.02.2018 of the Conservator of Forests, Wildlife, Headquarters, West Benaal. At present the stock of spotted deer in Bardhaman Zoological Park is 112 (28:52:32). A proposal approved in WBZA's Governing Body meeting is there for translocation of spotted deer 40. (15:25) nos. to Sundarban National Tiger Reserve which has been conveyed vide their No.12/WBZA/T-21/21-22 dt. 02.07.2021. This will be implemented soon on getting approval from higher authority.
2	10.1(5)	The zoo operator failed to construct perimeter wall of minimum two meters height around the zoo. Since the zoo is located within the premises of a wildlife sanctuary, providing a masonry wall all round may not be a feasible option. Wherever the sanctuary boundary and the zoo boundary form the common boundary dividing the human landscape, a masonry wall could be provided for such length to avoid encroachment and trespassing by humans and stray dogs & livestock	Two years	22.08.2017	Perimeter wall has already been completed
3	10.1(6)	The zoo operator failed to separate residential accommodation from the zoo premises. It should be separated out of the zoo campus by providing a wall with separate entry/exit gates. Common access from the zoo should be stopped.	Immediately	22.08.2017	Necessary action has already been taken.
<b>2. Administrative &amp; staffing pattern</b>					
4	10.2(1)	The zoo operator failed to support a whole-time in-charge of the zoo with adequate financial and administrative powers	Six months	22.08.2017	One contractual Zoo Supervisor is engaged. At present Attached Forest Range Officer, Burdwan Forest Division is doing the job as in charge of the zoo.
5	10.2(2)	The zoo operator failed to support full-time Biologist and Curator to support the Officer incharge, in carrying out the responsibilities of housing, upkeep and healthcare of zoo animals, research and visitor education	One year	22.08.2017	The ADFO functions as the Curator of the Zoo. One Veterinary Officer (contractual) and One Veterinary Assistant (contractual) have been engaged to carry out various responsibilities for

					management of the zoo including animal housing, upkeep, healthcare etc. Visitor Education is being carried out by Zoo Supervisor.
<b>3. Development and planning</b>					
6	10.3(1&2)	All future development of the zoo should be done after approval of the Master Plan by the Central Zoo Authority	Immediately	22.08.2017	Master Plan has been approved & accordingly future plan will be carried out
7	10.3(4)	The zoo houses sloth bear, rhesus macaque, four horned antelope. Pelicans, pea-fowls. Porcupines & Panah kites in captivity in enclosures not appropriate to the species. Appropriately, designed enclosures for all above animals should be constructed at area as earmarked after the approval of Master Plan and drawings by the CZA.	Two years	22.08.2017	<p>The enclosure for the Sloth Bear, Rhesus Monkey, Common langur, Leopard and Birds' Aviary have already been constructed as per approved lay-out plan. Rhesus macaques and Bonnet macaque have already been shifted to newly constructed enclosure. The four-horned antelope has already been translocated to Alipore Zoological Garden Pea-fowls have been shifted to newly constructed pheasantry. At present no pelicans are there in this Zoo. The Porcupines are kept in a suitable enclosure. Baazas are kept in one corner of the old aviary.</p> <p>Recommendation of higher level is there to initiate renovation of the existing aviaries and animal enclosures. This will be implemented under the guidance of WBZA.</p>
8	10.3(5)	All facilities for captive animals including pucca buildings like feeding and night shelters should be created with proper drainage in such a way that they do not compromise the natural landscape and without affecting the overall cleanliness and hygiene of the campus.	Two years	22.08.2017	Have been completed. .
9	10.3(6)	The future collection plan of animals to be displayed in the zoo should be prepared and got approved from CZA. Carrying capacity of animal enclosures should be fixed.	Immediately	22.08.2017	Future collection plan has been approved by CZA and accordingly it is being implemented.

10	10.3(7)	Without creation of isolation cum quarantine enclosure, the zoo should not accept rescued animals	Immediately	22.08.2017	Complied with
<b>4. Animal housing, display of animals and animal enclosures</b>					
11	10.4(1.2 &5)	The zoo operator should ensure that animals at the zoo are housed in enclosures meeting minimum standards and specifications of the CZA	Two years	22.08.2017	Being complied with.
12	10.4(9)	Standoff barriers should be provided all along the new proposed enclosures and visitors' pathway to prevent teasing and feeding of animals. Appropriate signage warning the visitors of consequences of violation may also be provided at various places	One year	22.08.2017	Stand-off barriers to all animal enclosures have already been constructed.
13	10.4(10)	All animal enclosures should be provided with signage having relevant information on the biology, behaviour and population status of the species in the wild	One year	22.08.2017	Complied with
<b>5. Upkeep and healthcare of animals</b>					
14	10.5(2)	i) A feeding store-cum-kitchen should be constructed as per approved Master Layout Plan. Suitably designed platforms should be provided in the feeding store for stocking dry ration. Exhaust fans should be installed to reduce moisture inside the fed store.	One year	22.08.2017	Complied with
		ii) A fly proof meat room away from the feed store and kitchen should also be constructed with adequate drainage facility	One year	22.08.2017	Being complied with Net door has been made
15	10.5(4)	Kraals of dimensions prescribed by the CZA should be created in enclosures for Chital, Sambar and Barking deer	One year	22.08.2017	Kraals have already been created in enclosures for spotted Deer (chital), Sambar and Barking deer as per dimension prescribed by the CZA.
<b>6. Veterinary &amp; infrastructure</b>					
16	10.6(1)	The zoo operator failed to construct a Veterinary Unit/Hospital appropriate to animals housed. A kraal for recuperating of animals, in-patient ward, Reference library, a laboratory, a dispensary for storing lifesaving drugs and other veterinary equipment should also be considered in the veterinary unit	Two years	22.08.2017	Zoo veterinary unit has already been established and required things/items are being added regularly.

<b>7. Post-mortem and disposal of carcasses of animals</b>					
17	10.7(4)	An incinerator should be installed for safe disposal of animal carcasses and other bio wastes, including shed antlers, etc.	Immediately	22.08.2017	Being undertaken. Yet to be established.
<b>9. Acquisition and breeding of animals</b>					
18	10.9(1&2)	The zoo has been breeding among the existing population of herbivores. There has not been any effort to infuse new bloodline. The population of animals should be restricted to the carrying capacity and proper and adequate population control measures should be implemented.	One year	22.08.2017	154 no. (59 nos. male and 95 nos. female) have been translocated to Buxa Tiger Reserve in compliance with Memo No.379/ WL/2W-260 dt. 09.02.2018 of the Conservator of Forests, Wildlife, Headquarters, West Benaal. At present the stock of spotted deer in Bardhaman Zoological Park is 112 (28:52:32). A proposal approved by WBZA is there for translocation of spotted deer 40. (15:25) nos. to Sundarban National Tiger Reserve vide their No.12/WBZA/T-21/21-22 dt. 02.07.2021. This will be implemented soon.
19	10.9(3)	The zoo operator failed to release rescued animals in the wild. The zoo should refrain from acquiring single sexed animals in the form of the rescued animals for display. Rather the rescued animals should be rehabilitated in their natural habitat soon after their recuperation from sickness/injury	Immediately	22.08.2017	Rescued animals are being released in natural habitat after recuperation from injury / sickness. Rescued animals are not displayed.
20	10.9(4)``	The zoo operator failed to pair single animals. Animals, namely, Bonnet macaque, salt water crocodile. Four horned antelope & Peafowl should be paired, failing which they should be sent to other recognised zoo with prior approval of the CZA.	Immediately	22.08.2017	Efforts are being made to acquire pair for single sexed animals. Proposal for pairing of peafowl, sambar has been sent. Will be implemented soon.
21	10.9(7)	The zoo should initiate programs for restocking of Protected Areas of the State with their surplus Deer population by entering into an agreement with them and provide founder animals for breeding in such release areas created	Two years	22.08.2017	Being complied with.

		specifically in the buffer zones of Pas. This will help in augmenting the ever decreasing prey base for carnivores in PAs of South W.B.			
<b>10. Research activities</b>					
22	10.10	The zoo authorities should enter into an agreement with Bardhaman University and local colleges for allowing graduate/postgraduate students to carry out their dissertation on various aspects of animal Biology. The findings can help the zoo in better and scientific management of captive animals.	Immediately	22.08.2017	Efforts are being being made in this respect. Proposal is being sent to Burdwan University.
<b>11. Education and outreach activities</b>					
23	10.11(1)	The zoo should develop a year-long educational calendar and initiate activities for educating the visitors on the significance of Wildlife/Biodiversity conservation and Ecosystem services provided by the Animal Kingdom	Immediately	22.08.2017	Being complied with
<b>12. Visitors' facilities</b>					
24	10.12 (1)	More number of civic facilities like toilets, drinking water points and their access to physically challenged personnel should be provided in the proposed Master Plan.	Immediately	22.08.2017	Toilets and drinking water facilities for visitors have been constructed.
25	10.12(3)	The newly-proposed pathways are not friendly to visitors on wheel chairs. They should be made accessible to visitors on wheel chairs	One year	22.08.2017	Has been undertaken
<b>1. General Requirements</b>					
1	1.1	The zoo has been breeding among the existing population of spotted deer since 1978. There has not been any effort to infuse new bloodline. The population control measures may be implemented immediately. The population of animals may be restricted as per the holding capacity of the enclosure.	One year	22.06.2016	154 no. (59 no. male and 95 nos. female) have been translocated to Buxa Tiger Reserve in compliance with Memo No.379/ WL/2W-260 dt. 09.02.2018 of the Conservator of Forests, Wildlife, Headquarters, WB. At present the stock of spotted deer in Bardhaman Zoological Park is 112 (28:52:32). A proposal approved by WBZA is there for translocation of spotted deer 40. (15:25) nos. to Sundarban National Tiger Reserve vide their No. 12/WBZA /T-21/21-22 dt. 02.07.2021. This will be implemented soon.

2	1.5	The zoo is located within the premises of a wildlife sanctuary. Providing a masonry wall all around may not be a feasible option. Whenever the sanctuary boundary and the zoo boundary form the common boundary dividing the human landscape, a masonry wall should be provided for such length to avoid encroachment and trespassing by humans and stray dogs & livestock.	Two years	22.06.2016	Already complied with.
3	1.5	The residential accommodation should be separated out of the zoo campus by providing a wall with separate entry/exit gates. Common access from the zoo should be stopped.	Immediately	22.06.2016	Already completed.
4	1.7	a) Soil should be turned inside the animal enclosures on regular basis and enclosures disinfected to reduce soil borne parasites and diseases.  b) All uneaten grains, food & fruits, etc. Should be removed from the animal enclosures on daily basis and disposed off in hygienic manner in specially dug covered pits outside the zoo campus	With immediate effect	22.06.2016	Being complied  Being done
<b>2. Administrative &amp; staffing pattern</b>					
5	2.2	A full-time veterinarian should be appointed for day-to-day health management of animals in the zoo.	One year	22.06.2016	A retired VO and a Vet. Asstt. have been engaged on contractual basis for the purpose.
<b>3. Development and planning</b>					
6	3.1&2	All future development of the zoo should be done as per the CZA approved Master Plan only and APO (annual Plan of Operation) prepared accordingly.	One year	22.06.2016	Master Plan has been approved and accordingly enclosures are being constructed.
7	3.4	The zoo has in-captivity sloth bear, rhesus, monkey, bonnet monkey, four horned antelope, barn and horned owl and kites and eagle, Appropriately designed enclosure for all above animals should be constructed in the area as earmarked in the proposed Master (layout) Plan.	One year	22.06.2016	Being complied with.
8	3.5	All facilities for captive animals including pucca building like feeding & night shelters should be created in such a way that they do not compromise the natural landscape, drainage and without affecting the overall cleanliness and hygiene of the campus.	Immediately	22.06.2016	Complied with.

9	3.6	The future collection plan of animals should be prepared and got approved from CZA. Carrying capacity of animal enclosures should be fixed.	Immediately	22.06.2016	Animal collection plan has been approved by CZA vide their No. 22-67/2004-CZA (473)(NE) dt. 27.07.2021.
10	3.7	Without creation of an isolation cum quarantine enclosure, the zoo should not accept rescued animals	Immediately	22.06.2016	Being complied with
11	4.1 & 5	Bonnet & rhesus macaque, sloth bear, four horned antelope, horned owl, barn owl, kites and eagles, pelicans are kept in substandard enclosures. The zoo should construct enclosures as per the CZA prescribed norms and master plan	Two years	22.06.2016	Standard Animal enclosures Completed. Construction of a new aviary is being tendered.
12	4.2	The design and dimensions of propped enclosures to be constructed for sloth bear, langur and rhesus macaque should be of the size prescribed by CZA. Similarly, the height of chainlink fence barriers for all deer enclosure should be increased to 3 metres in height.	One year	22.06.2016	Complied with
13	4.6	There exists opportunity to create near naturalistic habitat in proposed Chital, sambar and banking deer enclosures. Trees could be thinned to make way for small grassy patch and water bodies.	Two years	22.06.2016	Being done
14	4.9	Standoff barriers should be provided all along the new proposed enclosures and visitor pathway to prevent teasing and feeding of animals. Appropriate signage warning the visitors of consequences of violation may also be provided at various places	One year	22.06.2016	Already complied with.
15	4.10	All animal enclosures shall be provided with signage having relevant information on the biology of the animals and population status of the species.	One year	22.06.2016	Complied with
<b>4. Upkeep and healthcare of animals</b>					
16	5.2	Suitably designed platforms should be provided in the feeding store for stocking dry ration. Stainless steel drums could be used for storage of choker, gram etc. Exhaust fans should be installed to reduce moisture inside the feed store	One year	22.06.2016	Already complied with.
17	5.4	Kraals of dimensions prescribed by the CZA shall be created in chital, sambar and barking deer enclosures	One year	22.06.2016	Already complied with.
18	5.5	Leftover food should be removed from the enclosures on daily basis. Dung should also be removed from the enclosures periodically and in consultation with veterinary doctor.	Immediately	22.06.2016	Being done

19	5.8	Herd animals should be screened periodically through random sampling for parasitic loads and prophylactic measures taken under guidance of the veterinary doctor. A written schedule should be prepared and implemented	Immediately	22.06.2016	Being done
20	5.9	All zoo staff involved in upkeep and healthcare of animals should be subjected to annual health check-up to avoid spread of zoonotic diseases	Immediately	22.06.2016	Being done
21	5.10	Daily reporting by the animal keepers should be introduced through Keepers' Diaries and daily reports as per the CVZA prescribed format	Immediately	22.06.2016	Being done
<b>5. Veterinary and infrastructure facilities</b>					
22	6.1	The existing treatment room is not fit to qualify for treating sick and injured animals. A treatment room should be of such dimensions that it can cater to attending small mammals like pangolin to large animals like sambar by the doctor. A kraal for recuperating of animals, a dispensary for storing lifesaving drugs and other veterinary equipments should also be provided	One year	22.06.2016	Zoo veterinary unit has already been established and required things/items are being added regularly.
23	6.6	The zoo should enter into a written MoU with the District Animal Husbandry Department & Research laboratory for – 1. Round the year veterinary support 2. Training of zoo personnel 3. Annual population management	Immediately	22.06.2016	WBZA has agreement (MoU) with Directorate of Animal resource and Animal Health, Govt. Of West Bengal.
<b>6. Postmortem and disposal of carcass of animals</b>					
24	7.1&2	Every animal that dies in the zoo should be subjected to detailed post-mortem by a registered veterinarian. The findings should be recorded in the CZA prescribed format and maintained at the zoo premises and open for inspection	Immediately	22.06.2016	Being Complied With
25	7.4	An incinerator be installed for safe disposal of animal carcasses and other bio wastes including shed antlers, etc.	Immediately	22.06.2016	Will be installed soon
<b>9. Acquisition and breeding of animals</b>					
26	9.1&2	Inbreeding may have taken place in the population over the years. Efforts should be made for selective swap of female animals amongst deer population of other nearby zoos like Bonpukuria Deer Park in Bankura or Jhargram Zoo.	One year	22.06.2016	Will be carried out with intervention of WBZA

27	9.3	The zoo should refrain from acquiring single sexed animals in the form of rescued animals for display. Rather the rescued animals shall be tried for rehabilitation in their natural habitat soon after their recuperation from sickness/injury.	Immediately	22.06.2016	Being complied with
28	9.4	Single animals like bonnet macaque, salt water crocodile, four horned antelope, adjutant stork should be paired, failing which they should be sent to other zoos under the direction of CZA	Immediately	22.06.2016	Will be carried out with intervention of WBZA
29	9.7	The zoo should initiate programmes for restocking of protected areas of the State with their surplus deer population by entering into an agreement with them and provide founder animals for breeding in soft release areas created specifically in the buffer zones of PAs. This will help in augmenting the ever decreasing prey base for carnivores in the PAs of south West Bengal.	Two years	22.06.2016	Will be carried out with intervention of WBZA
<b>10. Research activities</b>					
30	10	The zoo should enter into an agreement with Bandhhaman University and local colleges for allowing graduate/postgraduate students to carry out their dissertation on various aspects of animal biology. The findings can help the zoo in better and scientific management of captive animals.	Immediately	22.06.2016	Shall be implemented shortly.
<b>11. Education and outreach activity</b>					
31	11.1	The zoo should develop a year long educational calendar and initiate activities for educating the visitors on the significance of wildlife/biodiversity conservation and ecosystem services provided by the animal kingdom	Immediately	22.06.2016	Will be carried out with intervention of WBZA
<b>12. Visitors facilities</b>					
32	12.1	More number of civic facilities like toilets, drinking water points and their access to physically challenged personnel should be provided in the new proposed master plan	Immediately	22.06.2016	Being complied with
33	12.2	Anti venom and life saving drugs should be stored in the zoo campus	Immediately	22.06.2016	Efforts are being made in this direction.
34	12.3	The newly proposed pathways are not friendly to visitors on wheel chairs. They should be paved with paver blocks to make it accessible to visors in all weather conditions.	One year	22.06.2016	Being complied with.

<b>Other observations</b>				
35	Zoo authorities without awaiting for approval of Master Plan by CZA have started development activities like construction of pheasant enclosure and tendering for rhesus and langur enclosures. No work should be taken up without approval of the master plan. The ongoing work without approval of the master plan be stopped forthwith	Immediately	22.06.2016	Revised Master Plan has been approved by CZA vide their letter No. 22-67/2004-CZA (473)(NE) dt. 27.07.2021. Accordingly enclosures are being constructed.
36	The zoo should provide the CZA a list of rescued animals for the last 10 years and the status of these animals	Immediately	22.06.2016	Already submitted.
37	The zoo should provide the CZA a list of all animals kept in the zoo and its source of acquisition	Immediately	22.06.2016	Already submitted
38	The zoo has total population of 60 plus chital and there is a visible space constraint. Population control measures should be put in place rather than creating more and more enclosures for them	Immediately	22.06.2016	Translocation of excess deer to other suitable habitat has been taken up by WBZA.

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

- a. Mammals
- b. Birds
- c. Reptiles
- d.

### **Free living animal species occurring in the Bardhaman Zoological Park, Ramnabagan campus, Bardhaman**

Sl. No.	Local name	English name	Scientific name
<b>A</b>	<b>Mammals</b>		
1	Beji, Neul	Common mongoose	<i>Herpestes edwardsi</i> Geoffroy
2	Beji, Neul	Small Indian mongoose	<i>Herpestes auropunctatus</i> Hodgson
3	Chamchika	Indian pipistrelle	<i>Pipistrellus coromandra</i> Gray
4	Kathbirali	Three striped squirrel	<i>Funambulus palmarum</i> Linnaeus
5	Indur	Indian mole rat	<i>Bandicota bengalensis</i> Gray & Hardwicke
6	Indur	Common house rat	<i>Rattus rattus</i> Linnaeus
<b>B</b>	<b>Reptilia</b>		
1	Girgiti	Common garden lizard	<i>Calotes versicolor</i> Daudin
2	Tiktiki	Northern house gecko	<i>Hemidactylus flaviviridis</i> Ruppel
3	Halde Gosap	Yellow monitor	<i>Varanus flavescens</i> Gray
4	Dhaman	Common rat snake	<i>Ptyas mucosus</i> Linn.
5	Jal dhonra	Checkered keelback	<i>Xenochrophis piscator</i> Schneider
6	Helesap	Buffstriped keelback	<i>Amphiesma stolata</i> Linn.
7	Chiti	Common Indian krait	<i>Bungarus caeruleus</i> Schneider
8	Gokhura	Indian Cobra	<i>Naja naja</i> Linn.
<b>C</b>	<b>Birds</b>		
1	Korche bok	Smaller egret	<i>Egretta intermedia</i> Waglor
3	Gobok	Cattle egret	<i>Bubulcus ibis</i> Linnaeus
5	Dahuk	White breasted waterhen	<i>Amaurornis phoenicurus</i> Pennant
7	Paira	Blue rock pigeon	<i>Columba livia</i> Gmelin
8	Tile ghughu	Spotted dove	<i>Streptopelia chinensis</i> Scopoli
9	Kanthi ghughu	Indian ring dove	<i>Streptopelia decaocto</i> Frivaldszky
10	Bulbul	Red vented bulbul	<i>Pycnonotus cafer</i> Linnaeus
11	Sipai bulbul	Red whiskered bulbul	<i>Pycnonotus jocosus</i> Linnaeus
12	Halde bulbul	Black headed yellow bulbul	<i>Pycnonotus malanicterus</i> Gmelin
13	Chhatara	Jungle babbler	<i>Turdoides striatus</i> Dumont

14	Bochka	Night heron	<i>Nycticorax nycticorax</i> Linnaeus
15	Doyel	Magpie robin	<i>Copsychus saularis</i> Linnaeus
16	Shyama	Shyama	<i>Copsychus malabaricus</i> Scopoli
17	Kali shyama	Indian robin	<i>Saxicoloides fulicata</i> Linnaeus
18	Halde khanjan	Yellow wagtail	<i>Motacilla flava</i> Linnaeus
19	Fulchusi	Thickbilled flowerpecker	<i>Dicaeum agile</i> Tickell
20	Durga tuntuni	Purple sunbird	<i>Nectarinia asiatica</i> Latham
21	Charai	House sparrow	<i>Passer domesticus</i> Linnaeus
22	Lal munia	Red munia	<i>Estrilda amandava</i> Linnaeus
23	Danrkak	Juggle crow	<i>Corvus macrorhynchos</i> Wagler
24	Kak	House crow	<i>Corvus splendens</i> , Vicillot
25	Hanrichancha	Tree pie	<i>Dendrocitta vagabunda</i> Latham
26	Fingey	Black drongo	<i>Dicrurus adsimilis</i> Bechstein
27	Lal shalik	Common myna	<i>Acridotheres tristis</i> Linnaeus
28	Guye Shalik	Pied myna	<i>Sturnus contra</i> Linnaeus
29	Kokil	Koyel	<i>Eudynamys scolopacea</i> Linnaeus
30	Kubo	Crow pheasant	<i>Centropus sinensis</i> Stephens
31	Tia	Rose ringed parakeet	<i>Psittacula krameri</i> Scopoli
32	Tia	Blossom headed parakeet	<i>Psittacula cyanocephala</i> Linnaeus
33	Banspati	Green bee eater	<i>Merops orientalis</i> Latham
34	Macchranga	White breasted kingfisher	<i>Halcyon smyrensis</i> Linnaeus
35	Chhota macchranga	Common blue kingfisher	<i>Alcedo atthis</i> Linnaeus
36	Laxmi pencha	Burn owl	<i>Tyto alba</i> Scopoli
37	Benebou	Black headed oriole	<i>Oriolus xanthornus</i> Linnaeus
38	Sonabou	Golden oriole	<i>Oriolus oriolus</i> Linnaeus
39	Fatka	Lesser pied kingfisher	<i>Ceryle rudis</i> Linnaeus)
40	Nilkantha Basantabouri	Blue throated barbet	<i>Megalaima asiatica</i> Latham
41	Kaththokra	Lesser golden backed woodpecker	<i>Dinopium benghalense</i> Linnaeus
42	Tuntuni	Tailor bird	<i>Orthotomus sutorius</i> Pennant
<b>D</b>	<b>Amphibia</b>		
1	Kuno bang	Toad	<i>Bufo melanostictus</i> Schneider
2	Sona bang	Frog	<i>Rana tigrina</i> Daudin

*Handwritten signature*

**Ex-Officio Director, Bardhaman Zoological Park & Divisional Forest Officer, Burdwan Division.**