

EMA  
\$ 30.8.19



O/o Central Zoo Authority

Diary No. 44144

Date 30/8/19



Government of West Bengal  
Directorate of Forests  
Office of the Divisional Forest Officer  
Burdwan Division.

Ph. No. : 0342-2657172, Fax. No. : 0342-2659507

e-mail : [dfobdn@yahoo.co.in](mailto:dfobdn@yahoo.co.in)

No. 2560 (3) / T-7

; Dated, Burdwan, the 20-8-19

To : The Member Secretary,  
Central Zoo Authority,  
B-I Wing, 6<sup>th</sup> Floor, Pt. Deendayal Antyodaya Bhawan,  
CGO Complex, Lodhi Road, New Delhi - 110 003.

Sub : Submission of Annual Report by Bardhaman Zoological Park, Burdwan, West Bengal to  
the Central Zoo Authority for the financial year 2018-19.

Sir,

Enclosed, kindly find herewith the Annual Report of Bardhaman Zoological Park, Burdwan for  
the financial year 2018-19 in prescribed format.

The report is also sent by e.mail in PDF format.

Yours faithfully,

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

No. /

; Dated, Burdwan, the

Copy forwarded for kind information, to :-

1. The Principal Chief Conservator of Forests, Wildlife & Chief Wildlife Warden, West Bengal.
2. The Member Secretary, West Bengal Zoo Authority, Aranya Bhawan, Salt Lake City, Kolkata.
3. The Chief Conservator of Forests, South-East Circle, West Bengal.

**Sd/- D. Sharma, I.F.S**

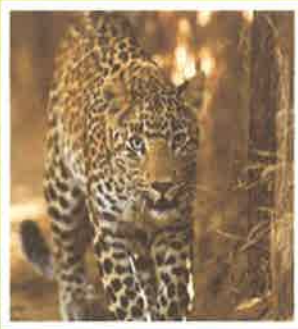
Ex-officio Director, Bardhaman Zoological Park, Burdwan &  
Divisional Forest Officer, Burdwan Division.

**BARDHAMAN ZOOLOGICAL PARK**

**RAMNABAGAN, BURDWAN**

**ANNUAL REPORT FOR THE YEAR**

**2018-19**



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## 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 had been declared as reserved forests vide Notification No. 2275-For. Dt. 07.06.1960. In the year 1978, the area had been converted to a Deer Park with the introduction of 6 nos. of deer. Subsequently, the whole area of 14.31 ha. has been declared as Wild Life Sanctuary vide G.O. No. 4345/For-11B-7/80 dt. 30.09.1981. In the recent past lots of illegal trades of wild animals & birds were going on throughout the country. The transportation is mainly through railways and roads. Due to intervention by the staff of Burdwan Forest Division, some animals and birds are seized from time to time & kept in a portion of the Sanctuary maintained as a rescue center. Moreover, any injured animal rescued in the district is also given shelter in this Zoological Park. Since there is no zoo located in the district and nearby areas, people from Burdwan town and other parts of the district became interested to visit the rescue center to take a glimpse of wild animals and birds.

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, 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 Ramnabagan Zoo, Burdwan (renamed as Bardhaman Zoological Park, Bardhaman), upto 18.05.2018 was sanctioned by Central Zoo Authority, New Delhi vide their No. F. No. 22-67/2004-CZA (473)(Vol.II)(AK)/1155/2017 dated 22.06.2017 as a 'Small category Zoo'. Renewal of recognition to the Bardhaman Zoological Park, Ramnabagan, Burdwan has been granted upto 27.09.2020 vide CZA's No. F. No. 22-67/2004-CZA(473)(Vol.II)(PKR)/4960/2018 dt. 30.10.2018 as a "Small Category Zoo".

**Area :** The area of Bardhaman Zoological Park is 14.31 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 Bardhaman Zoological Park intends to complement the national efforts to develop empathy among visitors for wild animals. It will help to showcase the rich biodiversity of middle and lower Gangetic plains.

### 3. Mission

The mission of the Bardhaman Zoological Park is conservation of representative wild animals. The Zoological Park provides rewarding experience to the visitors about the wildlives of the past and present of the Gangetic plains. The mission is also to provide future direction for modernization and upgradation of the Zoological Park to such extent that it can be at par with one of the best zoological parks in the country.

### 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) Display of animals and birds in a forest patch for education through amusement of visitors.
- iii) Research & education by college and university students of Bardhaman University situated close to the Zoological Park.
- iv) To maintain gene pool of wild animals and birds.
- v) To provide a safe abode to the rescued wild animals, confiscated, injured, orphaned and sick animals.
- vi) To protect animals from immediate and impending danger to their lives.
- vii) For research on the various aspects of ecology and behaviour of wild animals.
- viii) To give shelter to Indian soft-shelled turtles (*Lissemys punctata punctata*) and Ganges soft-shelled turtles (*Trionyx gangeticus*) in the existing pond in the Zoo seized from time to time on transit in illegal trade.

## 5. About us

S.No.	Particulars	Information
Basic Information about the Zoo		
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 - 2657172
6	Fax Number	0342- 2659507
7	E-mail address	dfobdn@yahoo.co.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)	<b>27.09.2020.</b> (vide CZA's No. F. No. 22-67/2004-CZA(473)(Vol.II)(PKR)/4960/2018 dt. 30.10.2018 as a "Small Category Zoo").

S.No.	Particulars	Information
11	Category of zoo	Small Category Zoo
12	Area (in Hectares)	14.31 ha.
13	Number of Visitors (Financial Year 2018-19)	Adult : 1,16,944
		Children : 8,009
		Total Indian : 1,24,953
		Total Foreigners : nil
		Total Visitors: 1,24,953
14	Visitors' Facilities Available in Zoo	<p>a. There are two big umbrellas and quite a good number of concrete 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 amusement of children, construction of a small children park with swings, slopes etc. is felt absolutely necessary. In this context there is a provision for creation of a Central Park with Day Visitor Centre/Food Court in the approved Master Lay-out Plan.</p> <p>d. Drinking water supply facility and road network within the zoo are available, but it needs to be improved.</p> <p>e. As per approved Master Lay Out Plan proposed landscaping and beautification work with a Central Park &amp; Food Court will be done. Proposal with estimate for the first phase work of beautification and landscaping has been sent to WBZA for release of fund. For creation of Central Park, Prakalpa Architecture Firm, Kolkata (deputed by WBZA) visited and surveyed the area by this time on the basis of which they will submit a project to WBZA for implementation.</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 master lay out plan and being undertaken. Visitors' circulation is also under development programme.</p>

S.No.	Particulars	Information
		f. A watch tower with 65' height at the northern side of the zoo is built to have 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 to the visitors (Now not in operation).
15	Weekly Closure Day of the Zoo	Thursday
Management Personnel of the zoo		
16	Name with designation of the Officer in-charge	Shri Debashish Sharma, IFS Ex-officio Director, Bardhaman Zoological Park & Divisional Forest Officer, Burdwan Division.
	Name of the Veterinary Officer	Shri Tapan Kumar Ghosh, V.O.
	Name of the Curator	Shri Sujit Kumar Das, WBFS, locally arranged Curator, Bardhaman Zoological Park & Asstt. Divisional Forest Officer, Burdwan Division.
	Name of the Biologist	Not exists
	Name of the Education Officer	Not exists
	Name of the Compounder/ Lab Assistant	Not exists
Owner / Operator of the Zoo		
17	*Name of the Operator	Shri Debashish Sharma, IFS
18	Address of the Operator	Divisional Forest Office Ramnabagan, P.O. Rajbati Dist. Purba Bardhaman
19	Contact details/Phone number of Operator	0342-2657172 (landline) 9547144500 (mobile)
20	E-mail address of Operator	dfobdn@yahoo.co.in

\* 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 \_\_\_\_\_

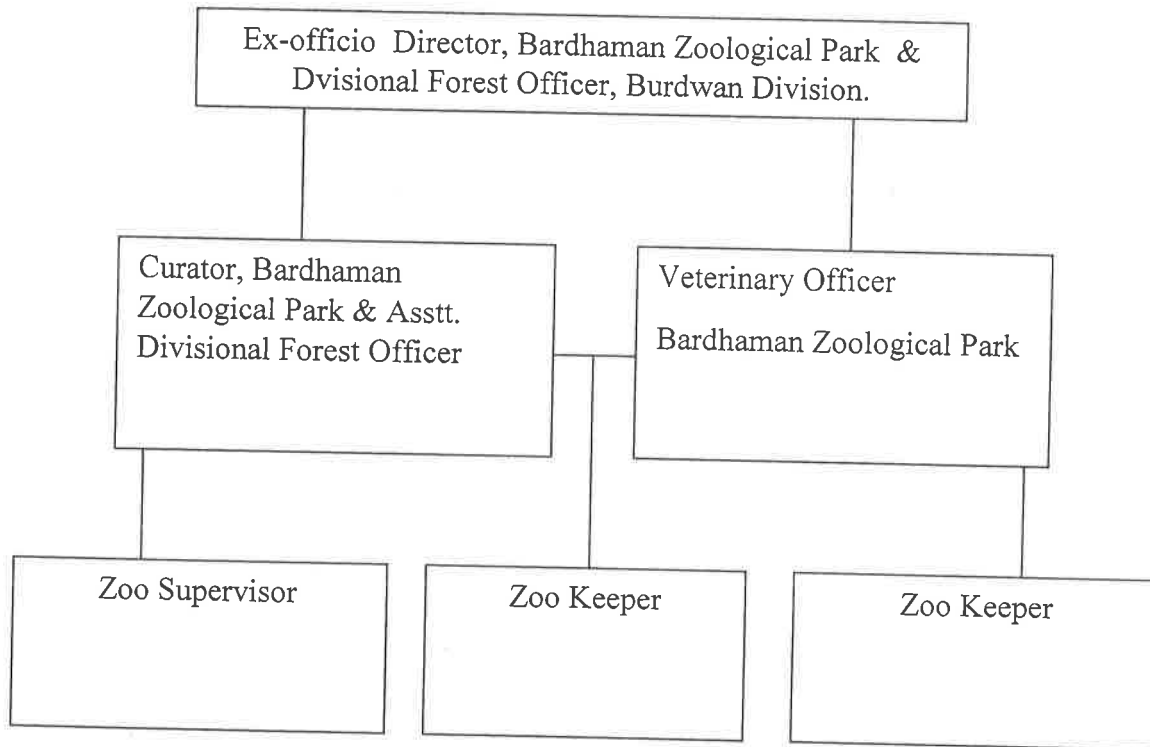
I. in the case of a firm or other association of individuals, any one of the individual partners or members thereof; or

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 Operat

## 6. Organizational Chart



## 7. Human Resources

### Manpower of the Zoo\*

Sl.No.	Designation	Number of Sanctioned Posts	Names of the incumbent
<b>A. Sanctioned strength of Officer &amp; Staff</b>			
		Sanctioned strength	Existing
1	Ex-officio Director	1	Debashish Sharma, IFS
2	Asstt. Director	1	Vacant
3	Veterinary Officer	1	Dr. Tapan Kumar Ghosh, Retd. V.O. (on contractual basis)
4	Zoo Biologist	1	Vacant
5	Zoo Supervisor	1	Shri Jayanta Kumar Dhara, Retd. F.R. (on cointractical basis)
6	Education Assistant	1	Vacant
7	Veterinary Assistant	1	Shri Tanmoy Sarkar (on contractual basis)

8	Asstt. Zoo Supervisor	1	Vacant
7	Asstt.Estate/Security Supervisor	1	Vacant
8	Gate Keeper	1	Vacant
9	Driver	1	Vacant
10	Zoo Keeper	8	1. Rabindranath Pal (permanent) 2. Susanta Mondal (on contractual basis)
11	UDC	1	Sukumar Patra Retd. P.A. to DFO (on contractual basis)
12	OA/LDC	1	Subhankar Das (on contractual basis; engaged through Webel)
13	Ticket Clerk	1	Vacant
<b>B. Support Staff (on contract)</b>		<b>Sanctioned strength</b>	<b>Existing</b>
14	Security Guard	12	1. Pravat Majhi 2. Avijit Das 3. Binay Madhab Bhakat 4. Raju Keut 5. Sk. Lal Babu 6. Sk. Alamgir Islam 7. Manoj Kumar Shaw 8. Krishnendu Mohanta
15	Sanitary Attendant	6	1. Tapas Dalui
16	Garden Attendant	6	Vacant
17	Attendant	7	Vacant
18	Animal Attendant	8	Vacant

\*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 Rabindranath Pal, Zoo Keeper	Zoo Keepers' Training	17.12.2018 to 21.12.2018	Bhagwan Birsa Biological Park, Ormanjhi, Ranchi, Jharkhand
2.	1. Shri Rabindranath Pal, Zoo Keeper 2. Shri Susanta Mondal, Zoo Keeper	Training on technique of capturing deer and other animals	28.03.2019 & 29.03.2019	Zoological Garden, Alipore, Kolkata

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

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

**10. Health Advisory Committee**

- Date of constitution - 07,03,2018 (Constituted by WBZA)
- Members
  - Joint Director, ARD IAH &VB (R&T) - Chairman  
Belgachia, Kolkata-37
  - Dr. Joyjit Mitra, Specialist (Sero-Epidemiology)- Member  
RDDL (ER),IAH &VB  
Belgachia, Kolkata-37
  - Dr. Debasish Chatterjee, Asstt. Director,ARD - Member  
(Vety), (Desease Investigation),IAH &VB,  
Belgachia, Kolkata-37
  - Dr. Proloy Mandal, Asstt. Director, ARD - Member  
(Vety.), IAH & VB, Belgachia, Kolkata – 37
- Dates on which Meetings held during the year -  
The Health Advisory Committee visited Bardhaman Zoological Park, Bardhaman on 21.06.2018 and its report on compliance of Health Care Standards is being monitored properly.

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

Sl. No.	Scheme	Opening balance (Rs.)	Fund received during the year (Rs.)	Expenditure during the year (Rs.)	Closing balance (Rs.)
1	Non-Plan	237448.00	6037111.00	6252952.41	21606.59
2	State-Plan	760773.00	7894014.00	6287469.00	2367318.00
	Total -	998221.00	13931125.00	12540421.41	2388924.59

Revenue earned from collection of Entry fee to the Zoo - Rs. 14,94,205.00

Revenue from Rent, Sale proceeds from Tender Papers, - Rs. 2,01,000.00

Canteen quotation amount, Security Deposit + deposit of  
Tendered amount for Cycle Stand etc. during 2018-19

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Total Revenue = **Rs. 16,95,205.00**

**12. Daily feed schedule of animals**

Sl. No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
1	Spotted Deer for 25 Nos.	1. Gram	6.25 kg	same	
		2. Wheat bran	15 kg	same	
		3. Crushed dal	5 kg	same	
		4. Vegetables	Cauliflower, Cabbages, Carrot - 30 Kg.	Pumpkin, Cucumber, Watermelon - 30 Kg.	
		5. Other vegetables			
		6. Potato	5 Kg	same	
		7. Molasses	1.25 Kg	same	
		8. Oil cake	800gm.	same	
		9. salt	1 Kg.	same	
2	Sloth Bear	1. wheat flour	500 gm.	Same +Mango 1 Kg.	
		2. Soaked gram	250 gm.	Same + Watermelon 1Kg.	
		3. Rice or dalia	500 gm.	same	
		4. Milk	2 Ltr	same	
		5. Honey	250gm.	same	
		6. Banana	12pc.	same	
		7. Other fruits	Mango/Apple – 500 gm.	same	
3	Crocodile	1.Chicken/ beaf	2kg/day	2 Kg / day.	Thursday
4	Rhesus Monkey - 4 Nos.	1. Banana	25 nos.	same	
	Bonnet Monkey - 1 No.	2. Cucumber	2.500Kg	same	
		3. Soaked gram	1Kg.	same	
5	Golden pheasant-1 No. Silver pheasant - 1 No.	1. Vegetables	150gm.	Same +Watermelon 400gm	
		2. Banana	300gm	same	
		3. Cucumber	400gm	same	
		4. Carrot	400gm	same	

		5. Bedana	150 gm	same	
		6. Broken wheat	200gm.	same	
		7. Maize	400gm	same	
6	Emu -02 Nos.	1. Poultry feed	2Kg.	same	
		2. Vegetables	1Kg.	same	
		3. Bhusi	500gm	same	
		4. Crodicom	2Kg.	same	
		5. Banana	10pcs.	same	
		6. Carrot	1Kg.	same	
7	Buzzard - 5 Nos.	1.Fish	1.500Kg.	1.500Kg.	
8	Peafowl - 4 nos.	1.Gram	1Kg.	1Kg.	
		2. Paddy	500 gm	500 gm	
9	Indian Parakeet 4nos.	1.Vegetables	1 Kg	1 Kg	
10	Tortoise Box - 8 nos.	1.Vegetables	2Kg.	2Kg.	
	Star tortoise - 16 nos.	1. Soaked gram	1Kg	1Kg	

### 13. De-worming Schedule of animals

SI No	Species	Drug used	Month
1	Bear	Albendazole 30 ml.	30.04.2019
2	Spotted Dear	Albendazole 125 ml.	29.04.2019
3	Monkey.	Albendazole 15 ml.	17.05.2019
4	Buzzard	Albendazole 5 ml.	12.05.2019
5	Pefowl	Albendazole 6 ml.	12.05.2019

### 14. Vaccination schedule of animals

SI No	Species	Disease vaccinated for	Name of the vaccine and dosage/quantity used	periodicity	Remarks
1	Peafowl	R.D	F1	07.12.2018	Every 6 Months interval
2	Buzzard	R.D	F1	07.12.2018	
3	Indian parakeet	R.D	F1	07.12.2018	

**15. Disinfection schedule**

Sl. No	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Sloth Bear		Lime, Bleaching & Pottassium permanganet	2 days in a week
2	Spotted Deer			Two days in a week
3	Monkey		Pottassium permanganet & Formaline 10% spray	2 months interval
4	All Birds			

**16. Health Check -up of employees for zoonotic diseases - Not undertaken during the reported period.**

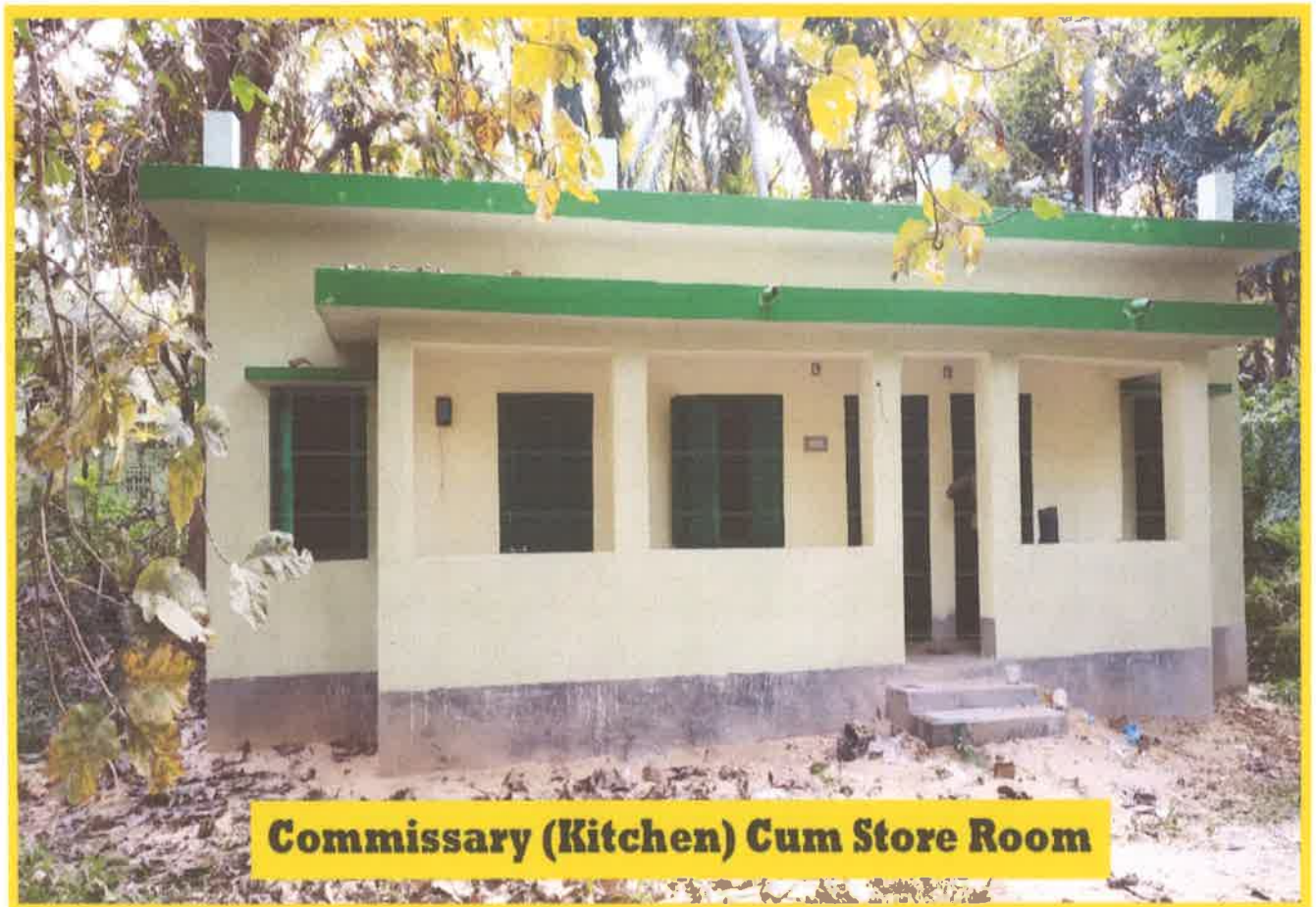
Sl. No	Name	Designation	Date of health check up	Findings of health check up.

**17. Development Works carried out in the zoo during the year- Completed in all**

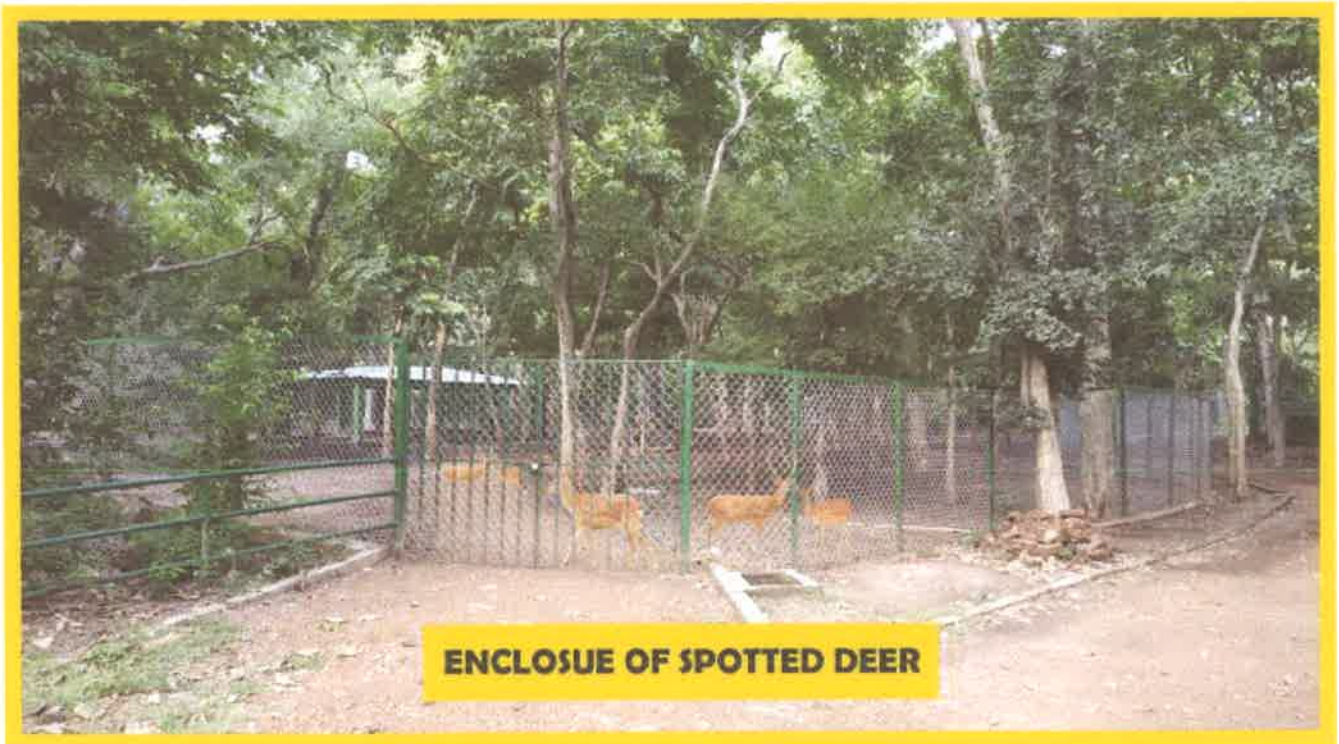
1. Nature Interpretation Centre --- 1 No.



2. Commissary (Kitchen) & Store Room for animal feed --- 1 No.



3. Enclosure of Spotted Deer --- 1 No.

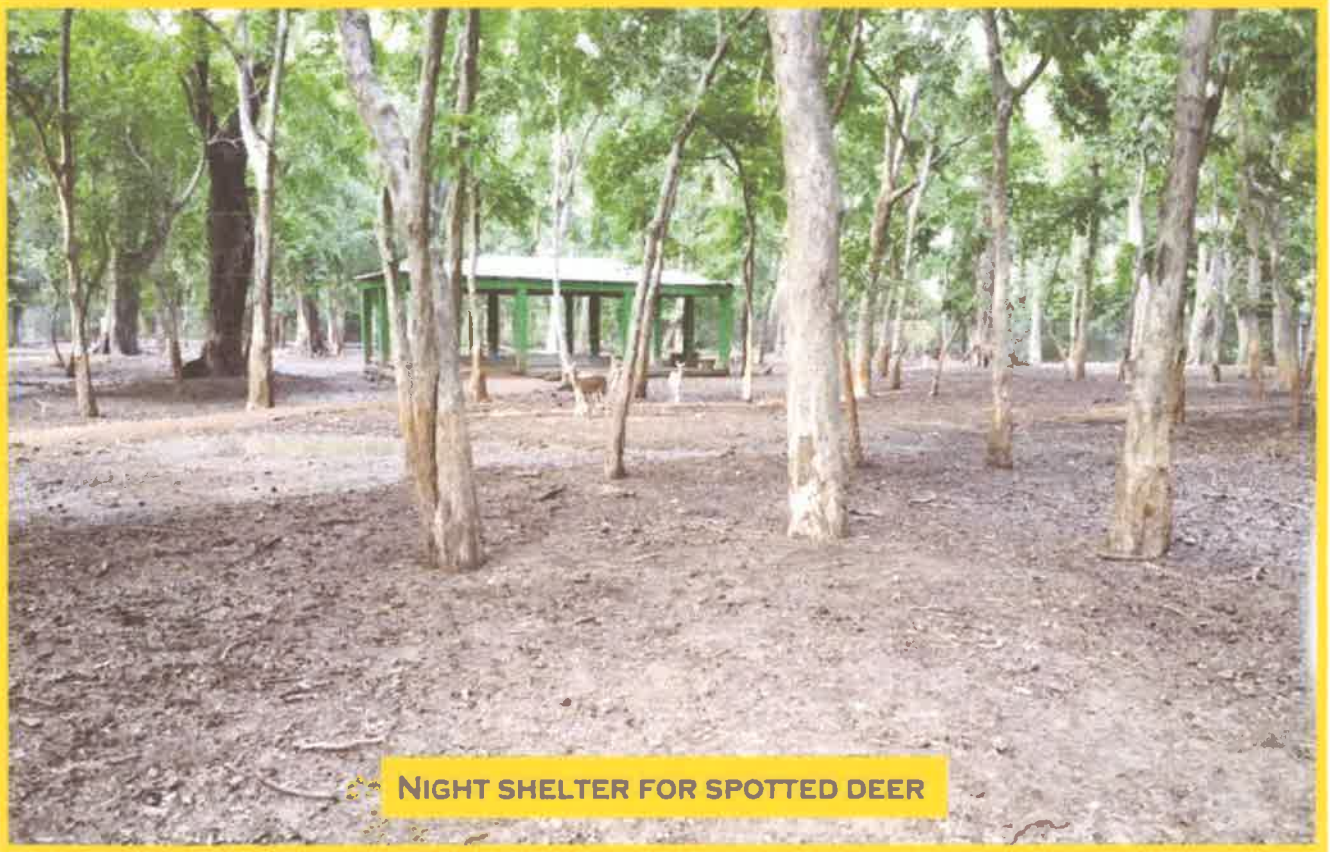


4. Barking deer enclosure Deer --- 1 No.

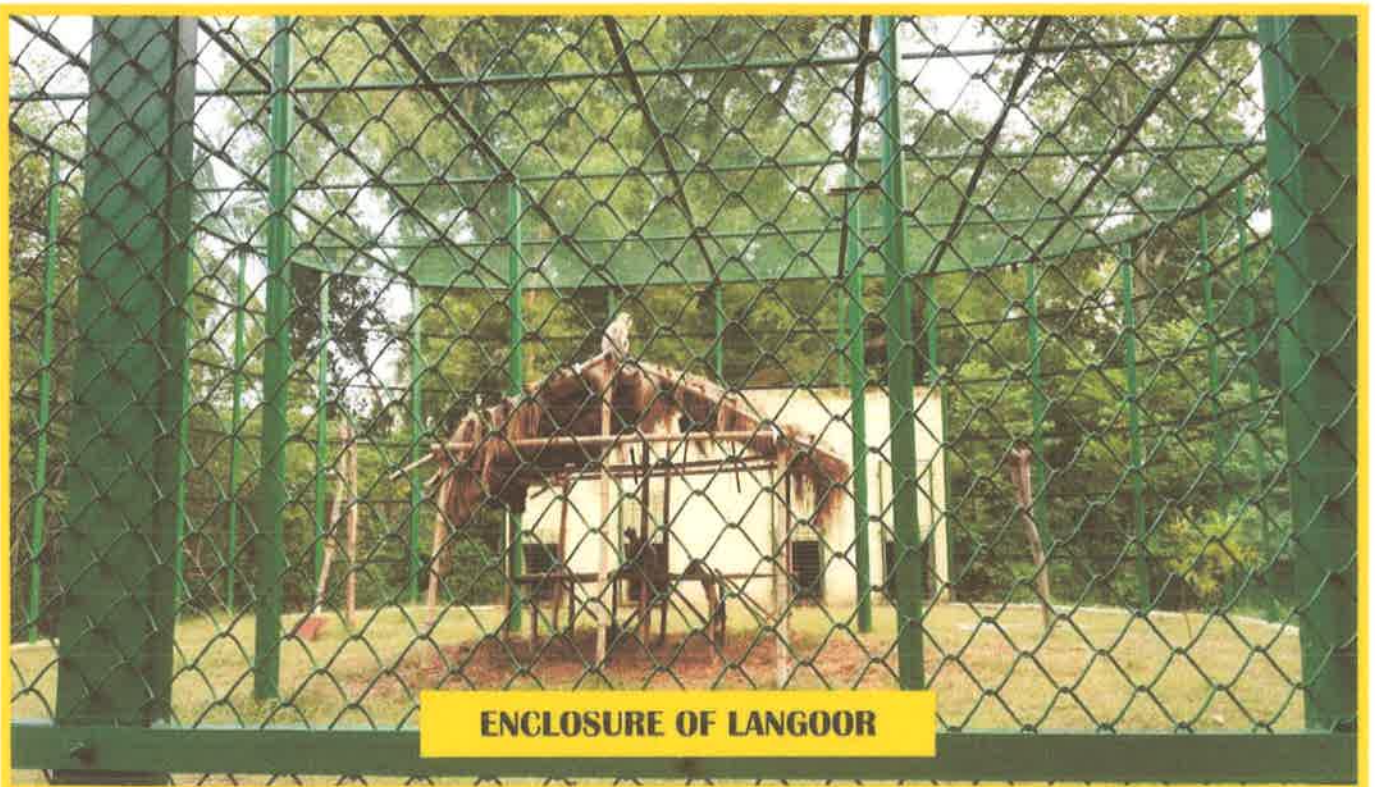




5. Night Shelter for Spotted Deer --- 1 No.



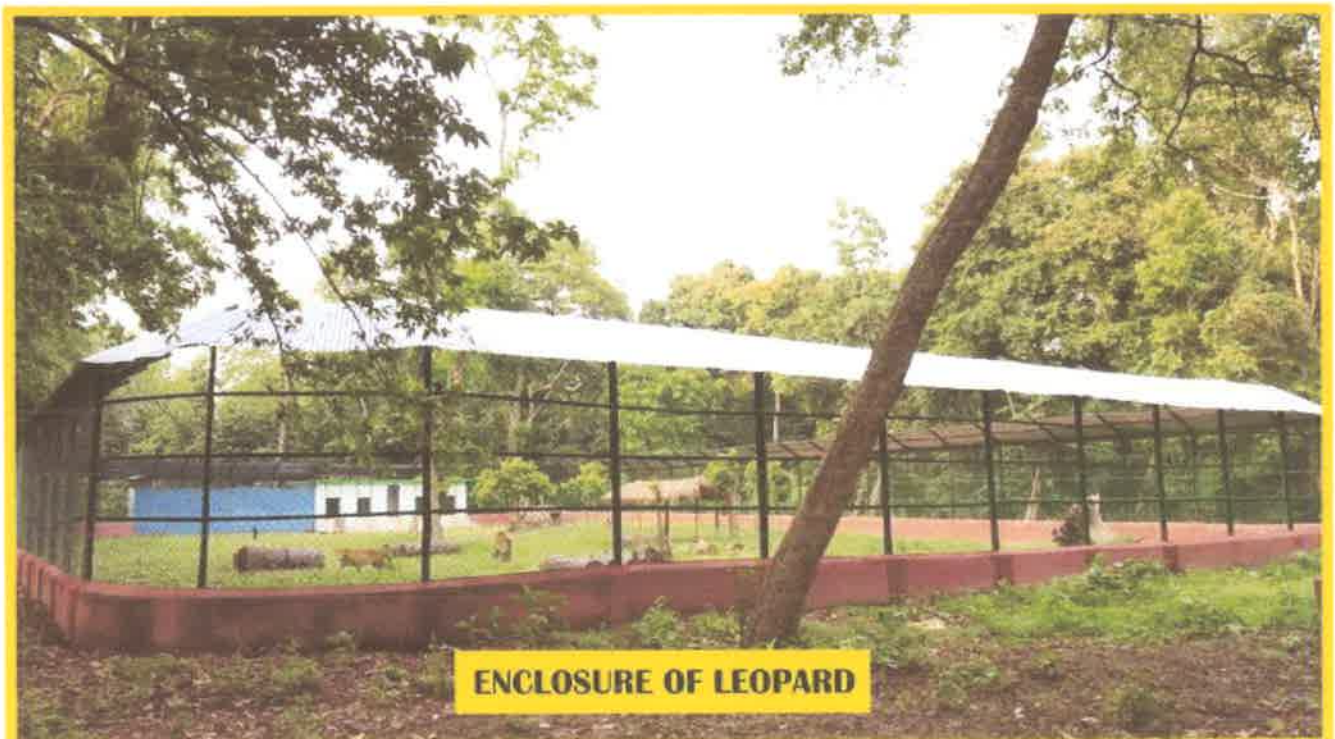
6. Enclosure of Langoor--- 1 No.



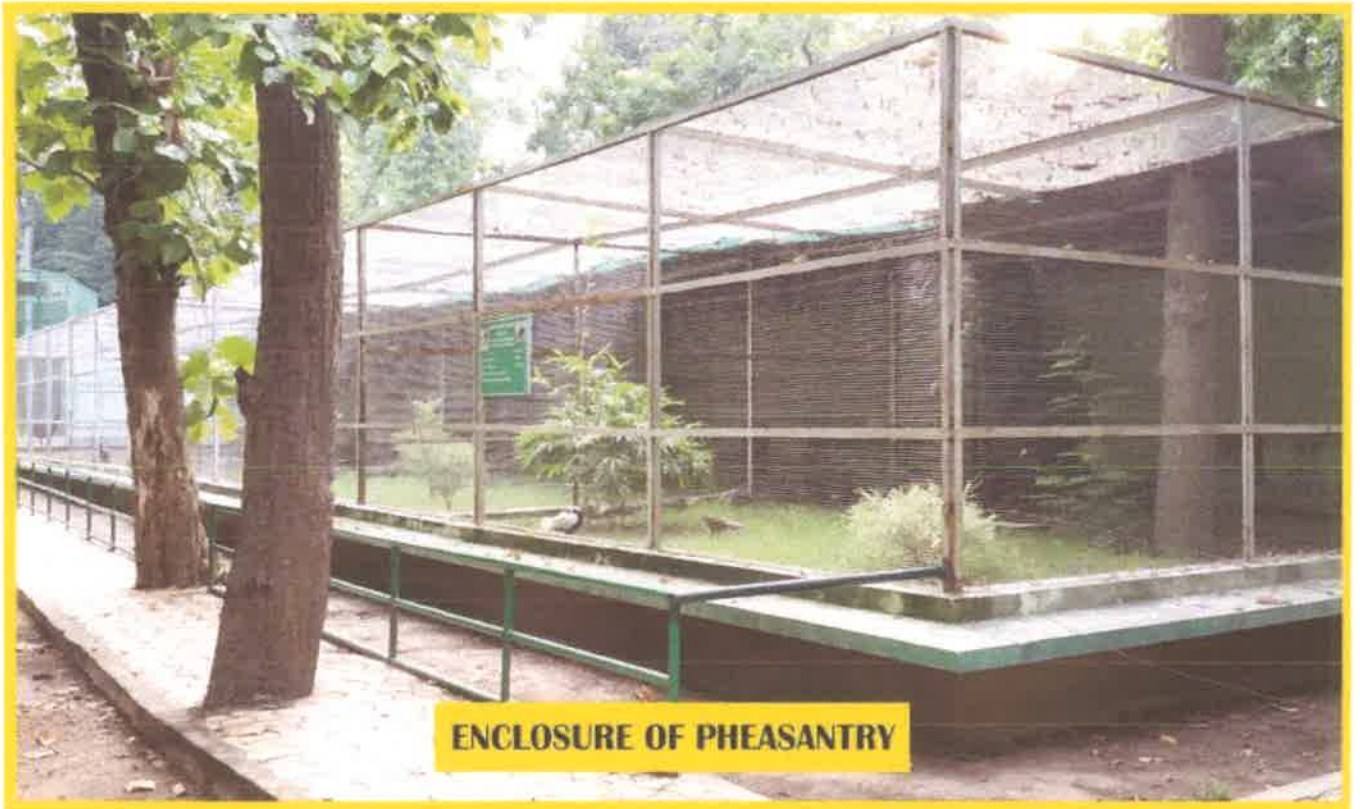
7. Enclosure of Langoor --- 2 No.



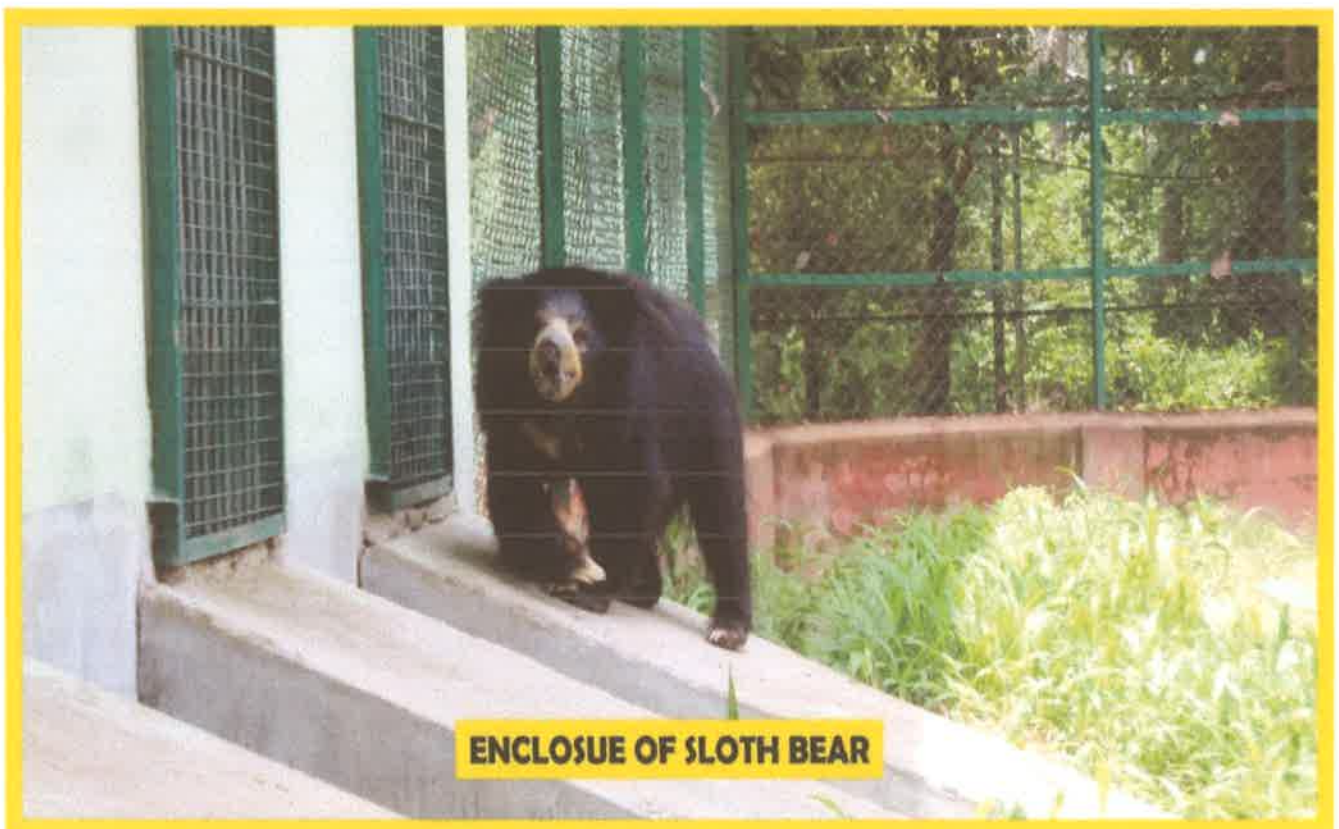
8. Enclosure of Leopard --- 1 No.



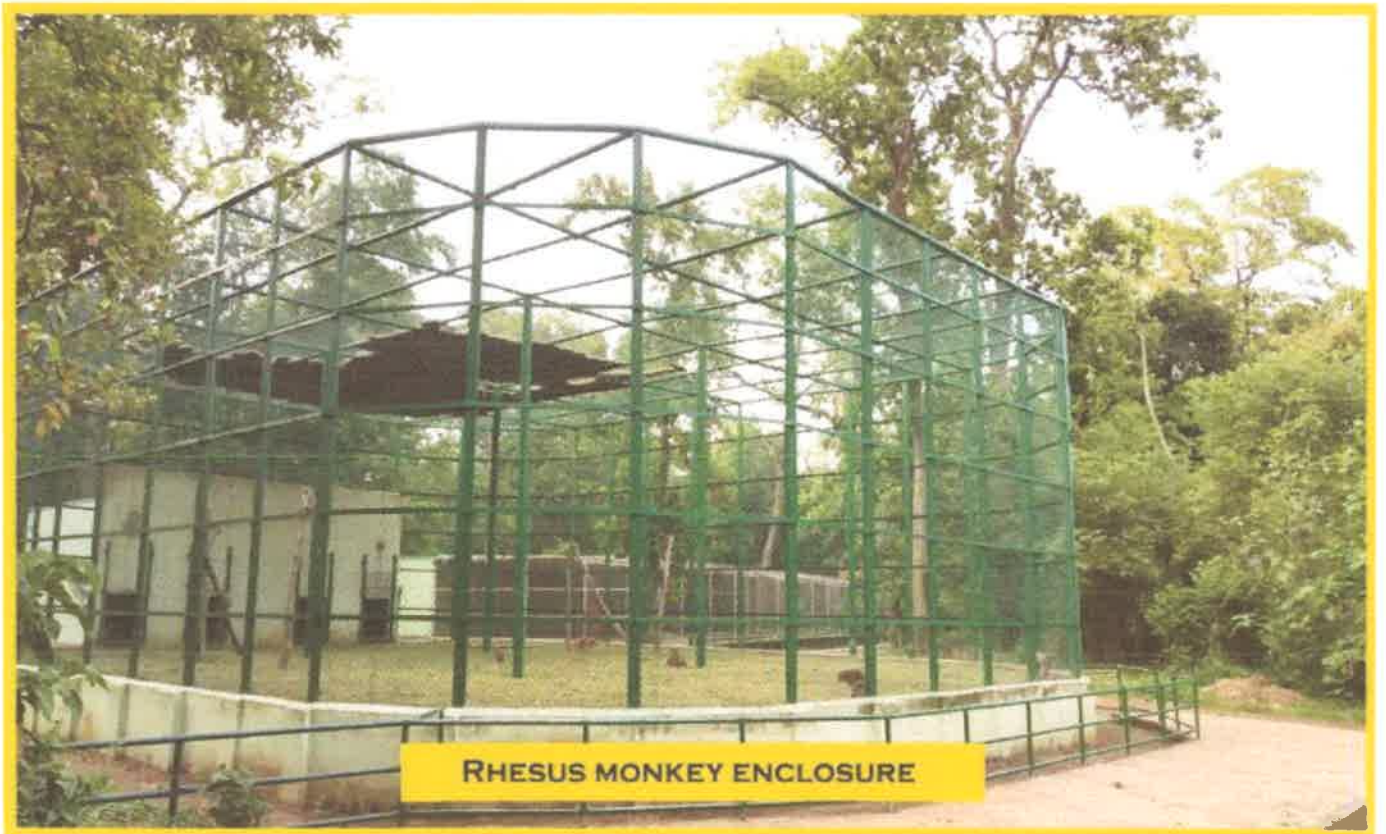
9. Enclosure of Pheasantry--- 1 No.



10. Night shelter & kraal in Sloth Bear Enclosure --- 1 No.



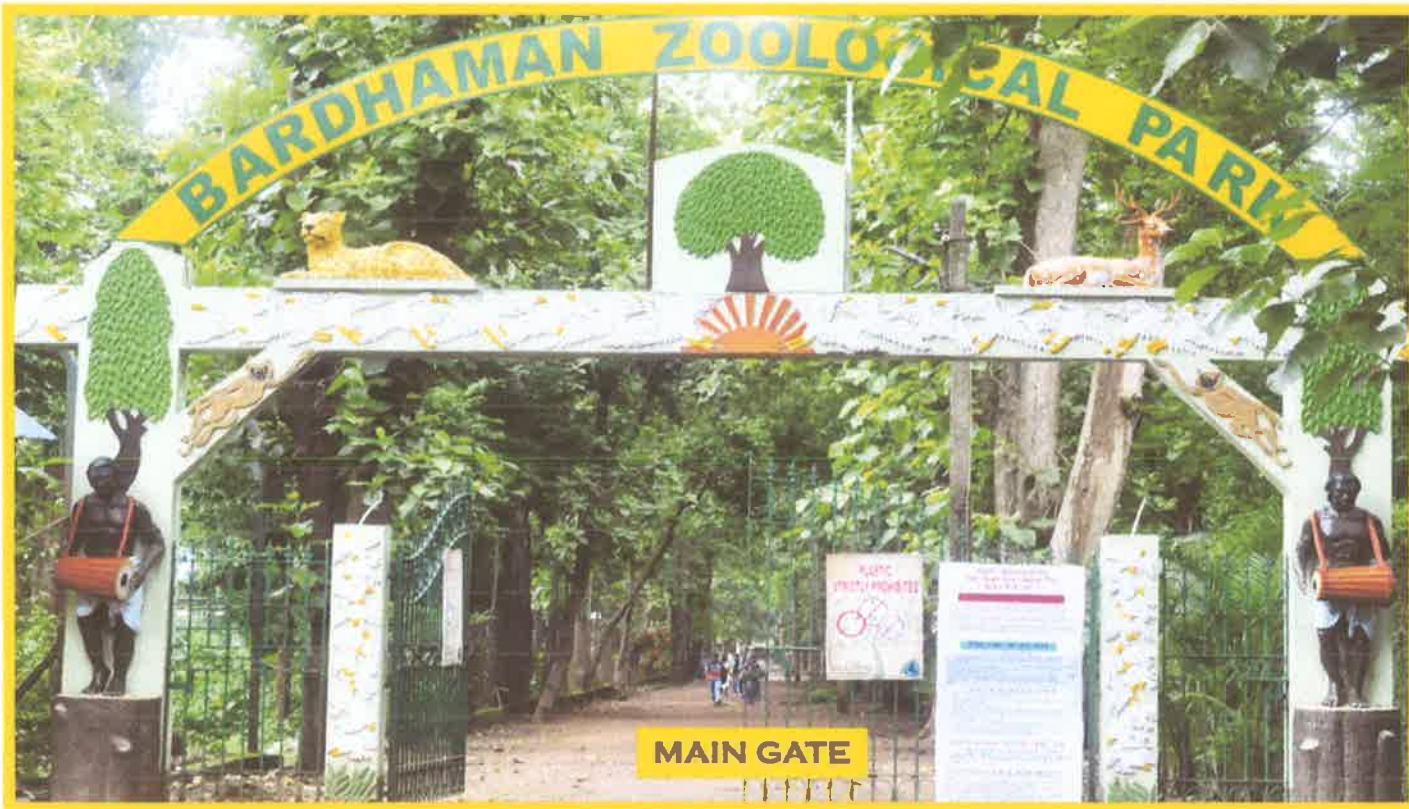
11. Enclosure of Rhesus Monkey --- 1 No.



12. Enclosure of Sloth Bear --- 1 No.



13. Main Gate --- 1 No.



14. Ticket Counter--- 1 No.



15. Boundary Wall

--- No.1



16. Boundary Wall (Ongoing / under construction)

--- No.1



17. Old Veterinary unit--- 1 No.



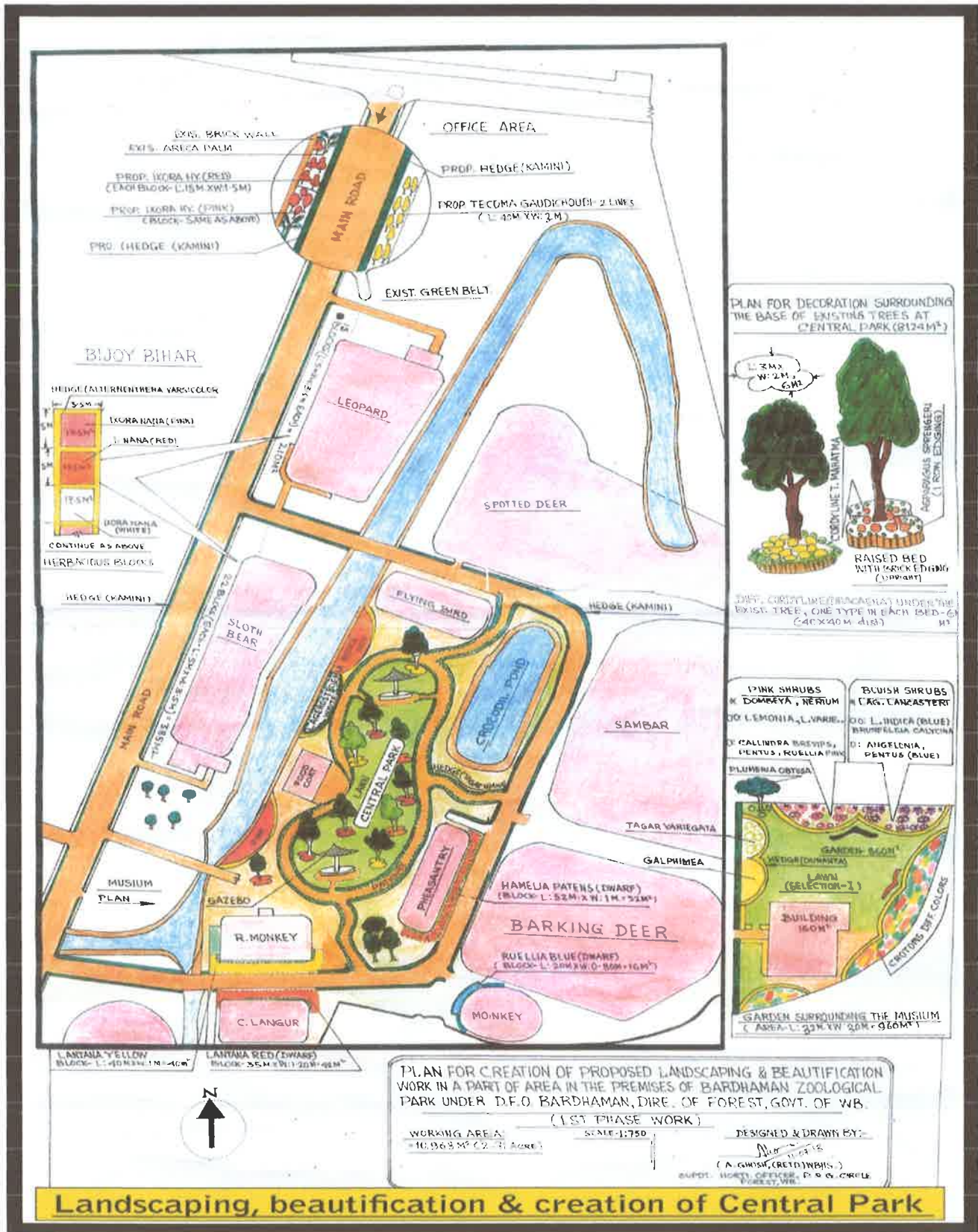
18. Veterinary unit cum Post Mortem room --- 1No.







20. Proposed Landscaping and beautification work in the Zoological Park



# Annexure – IV

## Broad Budget Statement for the proposed work in the Plan:

### Work going on

1. Boundary wall – 365 meter (From new ticket counter to ADFO's Bungalow)
2. Boundary wall – 235 meter (Southern side of the Zoo to separate staff quarter from the Zoological Park)

### 20. Education and Awareness programmes during the year

21. Important Events and happenings –1. A sit & draw competition of school children (class IV to VIII) was organised at Bardhaman Zoological Park on 28.12.2018 to celebrate Wildlife Day, 2018.
2. Free entry for children at Bardhaman Zoological Park along with free distribution of mehagini sapling to every visitors to the Bardhaman Zoological Park on 5<sup>th</sup> June, 2018, the World Environment Day

### 22. 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.

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

### 22. Conservation Breeding Programme of the Zoo – Not taken up

### 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
	NIL				
B.	Animals going from the zoo				
	H.NO.	Species	Number (M:F)	Going to which Zoo	Date of deposition from the zoo
	NIL				

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

Sl. No	Date of Rescue	Species with number of animals rescued with their sex ----- M:F:U:T	Received from	Date of Submission of Report to the CWLW / CZA	Action taken	
					Date and Place of rehabilitation in their habitat	Reasons for housing in the zoo, if not released in their habitat
1	9.12.2017	Porcupine 1:0:0:1	Orgram	----	Kept in the Zoo for treatment & observation. After recuperation from injury, this will be released in nature.	N.A
2	12.12.2017	Porcupine 1:0:0:1	Panagarh	----	Kept in the Zoo for treatment & observation. After recuperation from injury, this will be released in nature.	N.A
3	01.11.2018	Porcupine 0:1:0:1	Aushgram	----	Kept in the Zoo for treatment & observation. After recuperation from injury, this will be released in nature.	N.A
4	04.03.2019	Adjust Stock 0:1:0:1	Bolpur	----	Kept in the Zoo for treatment & observation. After recuperation from injury, this will be released in nature.	N.A
5	29.03.2019	Adjust Stock 0:1:0:1	Bolpur	----	Kept in the Zoo for treatment & observation. After recuperation from injury, this will be released in nature.	N.A
6	20.08.2018	Langur 0:1:0:1	Katwa	----	Kept in the Zoo for treatment & observation. After recuperation from injury, this will be released in nature.	N.A

7	30.10.2018	Langur 1:0:0:1	Panagarh	---	Kept in the Zoo for treatment & observation. After recuperation from injury, this will be released in nature.	Blind
8	25.11.2018	Langur 1:0:0:1	Katwa	---	Kept in the Zoo for treatment & observation. After recuperation from injury, this will be released in nature.	Blind
9	22.03.2019	Langur 1:0:0:1	Rathtala	---	Kept in the Zoo for treatment & observation. After recuperation from injury, this will be released in nature.	N.A

**25. Annual Inventory of animals**

Form – II

[See Rule 11(1)]

Part – A

Inventory Report for the Year: 2018-19



**Endangered Species:**

Sl. No.	Animal Name	Scientific name	Opening Stock as on 01.04.2018												Births						Acquisitions						Disposals						Deaths						Closing stock as on 31st March/2019					
			M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T														
Bird	1 Bazas	Aviceda jeordone & Aviceda leuphotes	0	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
			1	4	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Total Birds	2 Pea Fowl	Pavo cristatus Linnaeus, 1758	1	4	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
			1	4	5	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Mammal	1 Sloth Bear	Melursus ursinus (Shaw. 1791)	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
			2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4														
Total mammals	3 Macaque Bonnet	Macaca radiata (E.Geoffroy, 1812)	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
			2	4	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	4	0	6														
Reptile	1 Crocodile Coast/Crocodile Salt Water	Crocodilus porosus Schneider, 1801	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T										
			1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1										
Total Reptile			1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1														

**26. Death of wild animals (2018-19):**

Sl. No	Date	Speices With details Age,sex etc.	Place of incident	Details of Cause of death As per post mortem report	Category Natural/ Poaching/ Accidental/ Retaliatory Killing/ other	Whether any body part(horn /teeth/meat Hoof/skin etc.)is missing
1	14.05.2018	Box Tortoise (M) Details not ascertained	Bardhaman Zoological Park, Bardhaman	Old age & Cardio-respiratory failure	Natural	
2	29.05.2018 at about 8 A.M.	Spotted Deer (M) Age – 9 months Length – 3'2" Weight – 16.7 kg.	Bardhaman Zoological Park, Bardhaman	Enlargement of kidney and renal failure	Natural	
3	06.07.2018 At about 10.30 A.M.	Pea-fowl (F) Age- 6 yrs Length-3'3" Height-1'5" Weight-3.6 kg.	Bardhaman Zoological Park, Bardhaman	Death due to egg bound	Natural	
4	14.12.2018 (Reported) ( Death at 4 P.M. on 13.12.2018)	Spotted Deer (at Deul) Age-12 yrs Length-4'2" Weight-38 kg.	Deul Deer Rehabilitation Centre, Shibpur, Durgapu Range	Old age pneumonia and cardio respiratory failure	Natural	

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

RENEWAL OF RECOGNITION TO THE BARDHAMAN ZOOLOGICAL PARK,  
(RAMNABAGAN MINI ZOO), BARDHAMAN WEST BENGAL FOR PERIOD BEYOND  
18.05.2018 UNDER SECTION 38H(1) OF THE WILD LIFE (PROTECTION) ACT, 1972

CZA Letter No. 22-67/2004-CZA(473)(Vol.II)(PKR)/4960/2018 Dated 30.10.2018

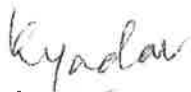
Sl. No.	RZR, 2009 Norm No.	Particulars of suggestions/recommendation	Actions Taken
<b>1. General Requirements</b>			
1.	10.1(6)	The zoo should construct the boundary wall of 2 mts. height to separate residential accommodation from the zoo premises with independent entry and exit facility.	The residential accommodation was separated out of the zoo campus by providing a wall with separate entry / exit gates. Common access from zoo was also stopped. Total 200 mt of boundary wall constructed.
2.	10.1(6)	The zoo shall not accept any rescued animals without creation of isolation cum Quarantine enclosure for such animals.	Yes, it can be ensured that the zoo shall not accept any rescued animals without creation of isolation cum Quarantine enclosure for such animals.
3.	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.	As per suggestions, action has already been taken to stop the entry of domestic animal like dog.
<b>2. Administrative &amp; Staffing Pattern</b>			
4.	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.	At present one Ex-Officio Director & DFO, Bardhaman Division in the rank of Indian Forest Service is looking after the Bardhaman Zoological Park with adequate administrative and financial powers. The Zoo is located near his office which helps in management.
5.	10.2(2)	The zoo shall also appoint full-time Veterinarian, Biologist and Curator	The ADFO functions as the Curator of the Zoo along with One Veterinary



		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.	officer has been engaged for Upkeep, Healthcare, and Research. One veteribnary assistant has been appointed. Visitor Education is being done by Zoo Supervisor.
<b>3. Development &amp; Planning</b>			
6.	10.3(1)	The zoo should submit the Master Plan of the zoo for approval of the Central Zoo Authority.	The Master Plan has been prepared and ready to submit the Central Zoo Authority.
<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 appear not to be safe to prevent animal from escaping the enclosure.	<ol style="list-style-type: none"> <li>1. Entry of Animal Enclosure in Deer enclosure as suggested completed.</li> <li>2. Steel plates and power fence has been installed on the fence of leopard enclosure.</li> <li>3. Trees adjacent to the Leopard fence will be trimmed/ felled as per the advice of Central Zoo Authority.</li> </ol>
8.	10.4(6)	The zoo should provide species specific natural enrichment to the animals of all species housed in zoo.	Enrichment 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.	The live hedge will be planted as per the suggestion of Central Zoo Authority in all the enclosures.
10.	10.4(10)	The bilingual Signage's 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 hanged to the enclosure fence.	As per suggestions, action has already been taken to provide signage having relevant information on the biology of the animals and population status of the species to all the animal enclosures.

<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.	A feeding store cum kitchen has been constructed as per approved master layout plan. Suitably designed platforms are provided in the feeding store for stocking dry ration. Exhaust fans are also installed to reduce moisture inside the feed store. A fly proof meat room has been constructed inside store & kitchen are with adequate drainage facility.
12.	10.5(5)	The provision of footbath should be made at entry and exit point of each enclosure with arrangement of proper disinfectants.	As per suggestions, it will be undertaken soon
	10.5(5)		
13.		Leftover food excreta in case of deer species and other wastes should be removed on daily basis.	As per suggestions, action has already taken to remove wastes.
14.	10.5(6)	The food and water samples should be tested at recognized laboratory randomly and periodically for any contaminants.	Will be 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.	The vaccination and de-worming of captive animals have been maintained and the suggestion for display of schedule will be complied very soon.
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.	The Health Check up of all the Zoo Keepers & animal attendants is done annually.
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 Central Zoo Authority.	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 &amp; 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.	Up gradation of the Zoo veterinary unit will be done as early as possible.

19.	10.6(5)	Whole time veterinary support staff shall be deputed as per the Rules.	One whole time Veterinary Assistant has been engaged.
<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.	The zoo has already recorded the finding of the post-mortem of every animals dying in zoo in the CZA prescribed format.
<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 recognized zoos as a safeguard against ill effects of inbreeding.	Safeguard against ill effects of inbreeding, spotted deer from Garhchumuk Deer Park were translocated to Ramnabagan Mini Zoo and from Ramnabagan Mini Zoo were translocated to Buxa Tiger Reserve. More efforts will be made to take deer exchange programme with nearby zoos to present inbreeding complicacies.
<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.	Initiative has been taken to conduct research studies in collaboration with Bardhaman University.
<b>11. Education and Outreach Activity</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.	Many such programmes for awareness were organised for the students and celebration of Wildlife Week, Aranya Saptah was done.
<b>12. Visitors 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.	It will be done as per suggestion.
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.	This suggestion will be implemented within 31 <sup>st</sup> March, 2019

  
 Member Secretary  
 West Bengal Zoo Authority


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

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

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

Sl. no.	Local name	English name	Scientific name
A	Mammals		
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	Reptilia		
1	Girgiti	Common garden lizard	<i>Calotes versicolor</i> Daudin
2	Tiktiki	Northen 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	Checked red 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.
C	Birds		
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	Chhatore	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 macrorynchos</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
D	Amphibia		
1	Kuno bang	Toad	<i>Bufo melanostictus</i> Schneider
2	Sona bang	Frog	<i>Rana tigerina</i> Daudin

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