



GARCHUMUK ZOOLOGICAL PARK

HOWRAH



Annual Report

2023-24

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1. Report of the Officer-in-charge

The annual report of Garchumuk Zoological Park for the year 2023-24 represents its sustainable development as a Mini Zoo. Though it was initially established & opened to public as a Deer Park in the year 1991, it granted the recognition as 'Mini Zoo' by the Central Zoo Authority, in the year 2008. After undergoing several developmental works, on 21st December, 2023 it has been formally inaugurated as a Mini Zoo, housing a variety of Indian and Exotic species.

This zoo is being developed with the purpose of providing near natural habitats, enrichment, proper diet & nutrition, medication and overall, a stress-free environment to all the zoo housed animals, that designates their well-being.

In the year 2023-24 this zoological park has successfully carried out different research works, conservation and management activities and different awareness programs. The zoo has initiated the conservation breeding program of the 'State animal of West Bengal- Fishing Cat' and it also envisages to become a hub of Ex-Situ conservation of many more globally as well as regionally threatened fauna and flora, including different endemic species, with the goal of releasing them in nature to maintain a viable population.

This place has become a public attraction due to its surrounding landscape and natural beauty. Along with serving as a tourist destination, it also envisions to connect the visitors to the nature and wildlife.

The purpose of this annual report is to provide information about different aspects of zoo management, developmental activities as well as research activities. I am hopeful about expansion of this Mini Zoo as 'Medium Zoo' by fulfilling all the criteria in next few years.

I extend my sincere thanks to Sri B P Gopalika, IAS, Chief Secretary, Government of West Bengal and Chairman, West Bengal Zoo Authority and to Sri Vivek Kumar, IAS,

Addl. Chief Secretary, Department of Forests and Vice-Chairman, West Bengal Zoo Authority for their guidance.

I express my gratitude to Sri Debal Ray, IFS, Principal Chief Conservator of Forests (WL) & Chief Wildlife Warden, West Bengal and Sri Saurabh Chaudhuri, IFS, Additional Principal Chief Conservator of Forests & Member Secretary, West Bengal Zoo Authority, for their valuable suggestions and guidance and immense support.

I also thank all the officers and Staffs of the zoo for successfully managing this zoo in the best possible manner.



**Sri Dipak Kr. Mandal, WBFS
Ex-officio Director
Garchumuk Zoological Park
and
Divisional Forest Officer
Howrah Division
Directorate of Forests,
West Bengal**

2. History of the zoo

The establishment of Garchumuk Deer Park can be traced back to the year 1988. The following sequence of events has been chronologically presented.

On 26th July 1988 during closing ceremony of Arannya Saptah, Sabhadhipati, Howrah Zilla Parishad, District Magistrate, Howrah, Mayor, Howrah Municipal Corporation among other dignitaries visited Garchumuk Forest, established by the Social Forestry Division, Howrah. One compact block of nearly 50 ha of man-made forests, close to the famous sluice gate on Lower Damodar Canal was tentatively selected for establishment of the only Deer Park in the District of Howrah.

From the earlier correspondences found in official records, it is evident that Howrah Zilla Parishad was very keen to render all needed assistance in setting up the Park, with the technical support of Social Forestry Division, Howrah. The then Sabhadhipati, Howrah Zilla Parishad approached the then Minister-in-Charge, Environment & Forest Department, Government of West Bengal with the proposal to establish a Deer Park.

During the year 1990, initial financial assistance to the tune of Rs. 30,50,900 was provided by Howrah Zilla Parishad at the disposal of the DFO, Howrah Social Forestry Division, in connection with creation & maintenance of Plantations (about 300 Hectares) and construction of Deer enclosure.

Enclosure for Deer was constructed during the year 1990 with RCC posts and G.I. barbed wire fencing & chain link fencing over 700 m length & 2.6 m height. A pair of Deer (1 Male & 1 Female) was transported in wooden boxes from Deer Research Centre, Salt Lake and was released in the newly constructed Deer enclosure at Garchumuk on 29.12.1990.

The first check list of free living Birds in and around Garchumuk was prepared in 1990. A total of 60 species of Birds were identified in the check list.

The Deer Park was formally inaugurated & opened to public by the then M.I.C., Forest & Environment, Gov. of W.B. on 31.01.1991. The inauguration ceremony was covered by prominent media houses such as Doordarshan & All India Radio.

During 1990-91, Govt. of India accorded administrative approval to the scheme of “Captive Breeding & Rehabilitation of endangered species” and allocated fund to the tune of Rs. 1,08,500 towards captive breeding & rearing of Fishing Cats in Howrah District and their subsequent release in the wild.

The construction of the enclosure & captive breeding Centre for Fishing Cats within the Deer Park was completed in July 1991. The enclosure had an area of 600 sqm. with a pond inside and planted with perennial shrubs and ‘Hogla’ to provide hiding place for the Wild Cats. 1 female Fishing Cat was first released in the newly constructed enclosure on 12.11.1991 by the then Chief Wild Life Warden, West Bengal.

During 1992, one committee was constituted under the chairmanship of the then Chief Wild Life Warden to discuss pending applications on Deer distribution to different institutions of the State. In terms of the decision of this Committee, another pair of Spotted Deer (one male & one female) was transported in wooden boxes from Alipore Zoological Garden, Kolkata and was released at Garchumuk during September 1992.

The first Aviary enclosure of the Deer Park was constructed in the year 1994. In this circular shaped Aviary of 7.50 metre Diameter and 8 meter height, with a wet moat (tank) encircling the enclosure, Peafowls were displayed and Turtles were housed in this encircling water tank later. This aviary enclosure existed till 2021, though badly damaged and had been recently dismantled.

The first formal application for recognition as a Deer Park was submitted to Central Zoo Authority by the Secretary, Howrah Zilla Parishad during the year 1994.

During the year 1995, the following animals were sent to the Park from Deer Research Centre, Salt Lake for better survival & upkeep: Rose Ringed Parakeets: 106 no., Alexandrine Parakeets: 10 no., Blossom headed Parakeets: 3 no., Koel: 5 no., Hill Myna: 2 no., Munia: 8 no., Pariah Kite: 2 no., Baz: 1 no. & Nilgai: 1 no.

Further during the year 1995, a proposal & detailed estimate for construction of a Leopard enclosure and introduction of an Elephant in the Park, as desired by then M.I.C. Environment & Forests, Govt. of West Bengal, was sent by DFO Howrah Social Forestry Division to the Sabhadhipati, Howrah Zilla Parishad. Howrah Zilla Parishad agreed to provide the necessary financial assistance. However, from available official records, it appears that the construction of these two enclosures could not be taken up for want of approval of CZA as the Zoo did not had a Master Plan at that time.

One male Black Buck was introduced in the Animal Collection of Garchumuk during the year 2003. However, its source and mode of transportation could not be found from available official documents. This single Black Buck was housed in the Deer enclosure along with Spotted Deer and Nilgai. It died on 21/09/2015, the cause of death as stated by the Veterinarian was cardio respiratory failure due to over age.

The Central Zoo Authority granted recognition to Garchumuk Deer Park, Howrah as a Mini category Zoo under Section 38H of the Wild Life (Protection) Act, for a period upto 31.03.2011, vide F. No. 23-3/97-CZA (382) (M) dated 18/03/2008. [Annexure X (a)]

The first ever Master Plan for the long-term development of the Zoo was submitted to CZA in the year 2009, by Howrah Zilla Parishad.

Garchumuk Deer Park & Mini Zoo was brought under the management control of the West Bengal Zoo Authority vide Department of Forest Notification no. 747-For Dt. 03.04.2012 (Annexure IX) along with 11 (eleven) other Zoological Parks of the State & the Divisional forest Officer, Howrah Social Forestry Division was designated as the “Ex-officio Director” who was authorized to manage the Zoo and manage the funds of West Bengal Zoo Authority through separate bank accounts to be opened in the name of WBZA.

The first master (layout) plan of Garchumuk Deer Park & Mini Zoo was approved on 26/10/2013.

The entire campus of the Park including the Rest House, DFO Camp Office and staff quarters, animal enclosures & existing stock of Animals etc. were finally handed over

by the Divisional Forest Officer, Howrah Division to the Member Secretary, West Bengal Zoo Authority on 19.08.2014 under their joint Seal & Signature.

The construction of the Crocodile Pond enclosure was completed during the year 2014-15. One seized female Marsh (Mugger) Crocodile was transferred from the Wild Animal Rescue & Transit facility Centre, Salt Lake to Garchumuk on 12.02.2015, and released in the newly constructed enclosure.

The construction of the Turtle Pond enclosure, similar in design to the Crocodile enclosure was also completed during the year 2014-15. During the year 2016, 476 no. of Indian Softshell Turtles (*Lissemys punctata punctata*) received from Rescue Centre at Salt Lake, Kolkata were released in the pond. Thereafter in the year 2017, 100 no. Turtles were translocated to North Bengal Wild Animal Park, Siliguri.

The Porcupine enclosure was also constructed during 2014-15. It was a hexagonal enclosure having an underground concrete chamber. The only approved research work, by the Wildlife Research Advisory Committee prior to 2021, was “Study on Ethology of Indian Crestless Porcupine (*Hystrix brachyura*)” submitted & conducted by University of Calcutta, during the year 2015.

The construction of the Pheasantry enclosure was completed during 2015-16. One pair each of Golden Pheasant, Silver Pheasant & Red Jungle Fowl were transferred from Padmaja Naidu Himalayan Zoological Park, Darjeeling as donation for display to the visitors on 01/09/2016.

The second master (layout) plan of Garchumuk Deer Park (Mini Zoo), Howrah was approved by the CZA in its 30th meeting held during 2017, vide agenda item no. 7 based on recommendation of the technical committee of the CZA [Annexure II (b)].

The Fishing Cat enclosure was constructed during 2020-21. 4 Fishing Cats (2:2), rescued from various locations of Howrah District, were introduced into the enclosure during January 2021.

In the year 2022 the Pheasantry section was modified. Two new aviary enclosures were built for housing different types of Exotic flying birds and various water birds. Along

with that, 2 adjacent enclosures were built for housing Indian Rock Python and Burmese Python.

On 21st December, 2023 Honorable Chief Minister of West Bengal Smt. Mamata Banerjee inaugurated this Mini Zoo. The Mini Zoo was renamed as ‘Garchumuk Zoological Park’.

3. Vision

The modern zoo must operate across the whole spectrum of conservation activities from ex-situ breeding of threatened species to research, education, training and capacity building. In the recent past there has been a paradigm shift in the zoo management globally. The vision of Garchumuk Zoological Park is primarily to establish itself as an elite scientific institution engaged in animal welfare and conservation of wildlife, by achieving the highest standards of housing and upkeep for Zoo animals and development of requisite expertise for upkeep and healthcare of the animals on one hand and promoting planned coordinated conservation breeding of endangered wild animal species of the region, on the other hand.

The Zoo also envisions to establish itself as a centre of knowledge on effective techniques for maintaining natural ambience through suitable landscaping and pollution free environment and to develop amongst the visitors’ empathy for wild animals, an understanding and awareness about the need for conservation of natural resources and for maintaining the ecological balance.

4. Mission

The Mission of Garchumuk Zoological Park, Howrah is to achieve the distinction of an outstanding ‘Small Zoo’ through world class conservation, education, research and

exciting visitors' experiences by connecting people to wildlife and biodiversity conservation and to develop empathy among visitor for wild animals.

The Zoo also aspires to establish itself as a 'medium category Zoo' in near future through increased foot fall and to develop amongst the visitors' empathy for wild animals, an understanding and awareness about the need for conservation of natural resources & endangered Wild fauna.

5. Objective

The objectives of Garchumuk Zoological Park have been framed in consonance with National Zoo Policy, 1998, Recognition of Zoo rules, 2009 with (amendment) rules, 2013 and various guidelines of Central Zoo Authority, and is as follows:

- Display of the rich biodiversity of the region ie. Gangetic plains of South West Bengal in general and wetland ecosystem fauna of Howrah and Hooghly Districts in particular, with some exotic animals in its collection plan, in modern Zoo enclosures.
- Compliment and strengthen the national efforts in conservation of wildlife, through planned coordinated breeding of endangered wild animal species of the region, under ex-situ condition and raise stocks for rehabilitating them in wild as and when it is appropriate and desirable.
- Promote nature education and interpretation, to inspire Zoo visitors to grow empathy for wild animals, an understanding and awareness about the need for conservation of natural resources and for maintaining the ecological balance.
- To provide healthy recreation to the visitors, through proper landscaping and providing a naturalistic environment within the Zoo to enable the visitors to have communion with nature.

- To act as a Rescue Centre by receiving and keeping orphaned, seized, rescued & injured wild animals, their treatment and care and subsequent release in nature or providing life time care facility.
- Development of expertise in management of captive animals, zoo architecture & landscaping.
- Promote research on animal biology & behaviour, disease control & health care, food & nutrition, habitat and reproductive biology of wild animals displayed in the Zoo for evolving strategies for providing the animals housed in the Zoo a better quality of life, enhanced longevity and improved reproduction potential.

6. About us

Sl. No.	Particulars	Information
1	Name of the Zoo	Garchumuk Zoological Park
2	Year of Establishment	1991
3	Address of the Zoo	58 Gate, Ulughata, PO Khurigachi, PS Shyampur, Uluberia, Dt. Howrah, West Bengal.
4	State	West Bengal
5	Telephone Number	03214 – 271044 033-2641-1772
6	Fax Number	033-2641-1772
7	E-mail address	dfohowrah@gmail.com
8	Website	NA

9	Distance from nearest	Airport:66 Km (Kolkata Airport)
		Railway Station: Howrah -43.0 KM Uluberia:15.0 KM
		Bus Stand: Garchumuk Bus Stand within ½ KM
10	Recognition Valid upto (Date)	Reg. No. 23-3/97-CZA(382)(NE) Dated: 29/05/2023 and renewal of recognition as a Mini category Zoo is for a period up to May-2025.
11	Category of zoo	Mini Category Zoo
12	Area (in Hectares)	9.158 Hectare
13	Number of Visitors (Financial Year)	Adult: 86,747
		Children: 10,022
		Total Indian: 96,769
		Total Foreigners:
		** The zoo was re-opened on 21 st December, 2023
14	Visitors' Facilities Available in Zoo	1) Seating Arrangement 2) Visitors' Rest Shed 3) Lawns 4) Water ATM 5) Cafeteria 6) Souvenir Shop 7) First-Aid Arrangement 8) Wheel chair Facility
15	Weekly Closure Day of the Zoo	Monday

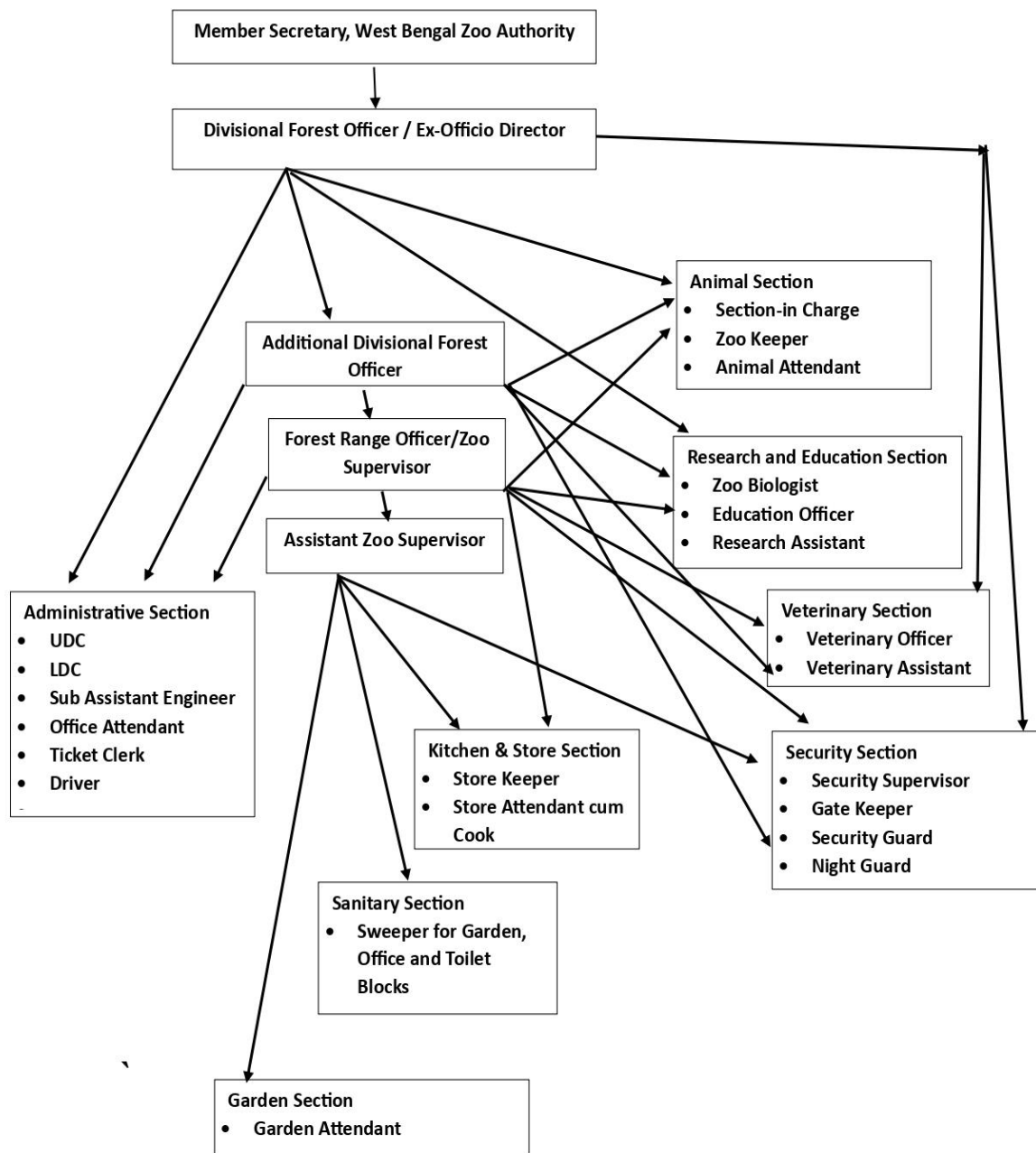
Management Personnel of the zoo

016	Name with designation of the Officer in-charge	Ex-officio Director, Garchumuk Zoological Park & Divisional Forest Officer, Howrah Division.
	Name of the Veterinary Officer	Dr. Mihir Kumar Biswas, Ph.D (in Veterinary Public Health), MBA (in Human Resource Management) M.V.Sc. (in Veterinary Public Health), B.V. Sc & Ah (UGC Course)
	Name of the Curator	NA
	Name of the Biologist (Honorary)	Ms. Ishita Chongder
	Name of the Compounder/ Lab Assistant	NA

Owner / Operator of the Zoo

17	*Name of the Operator	Ex-Officio Director, Garchumuk Zoological Park & Divisional Forest Officer, Howrah Division.
18	Address of the Operator	Office of the Ex-Officio Director, Garchumuk Zoological Park & Divisional Forest Officer, Howrah Division, Dalmia Park, Stadium Complex, Howrah-711101
19	Contact details/Phone number of Operator	033 2641-1772
20	E-mail address of Operator	dfohowrah@gmail.com

7. Organizational Chart



8. Human Resources

Sl. No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1.	Ex-Officio Director	1	Sri Dipak Kumar Mandal, WBFS
2.	Ex-Officio Assistant Director	-	Sri Kamal Saha, WBFS
3.	Unit-In-Charge/ Forest Range Officer	-	Smt. Moitri Mondal
4.	Veterinary Officer	-	Dr. Malay Maity (Consultant)
5.	Zoo Biologist	-	Ms Ishita Chongder (Consultant)
6.	Zoo Supervisor	1	-
7.	Research Assistant	1	Sri Soham Mitra
8.	Assistant Zoo Supervisor	1	-
9.	Veterinary Assistant	1	Sri Bhaskar Malik
10.	Gate Keeper	1	Sh. Pradip Kumar Das
11.	Driver	1	-
12.	Zoo Keeper	2	Sh. Tapan Das Sh. Subrata Bag
13.	Animal Attendant	4	Sri Mohan Chandra Manna Sri Krishnendu Halder Sri Swarnadeep Ghosh
14.	Garden Attendant	1	Sri Palan Sardar
15.	Sanitary Attendant	1	Sk. Akkash Ali
16.	Attendant	2	-
17.	Security	4	Sri Asit Pramanik Sri Monirul Khan Sri Jagabandhu Naskar Sri Susanta Das
18.	Lower Division Clerk	1	Sri Sujit Das
19.	Ticket Clerk	1	Smt. Moumita Dey

9. Capacity Building of the zoo personnel

Capacity Building of Zoo Personnel					
Sl. No.	Name	Designation	Subject matter of Training	Period of Training	Name of the Institution where the Training attended
1.	Ms. Ishita Chongder	Zoo Biologist	One day hands on workshop on identification, husbandry and safe handling of freshwater Turtles & Tortoises (FTT)	23.05.2023	Garchumuk Zoological Park
	Sri Soham Mitra	Research Assistant			
	Sri Bhaskar Malik	Veterinary Assistant			
	Sri Tapan Das Subrata Bag	Zoo Keeper			
	Sri Mohan Chandra Manna	Animal Attendant			
	Sri Krishnendu Halder				
	Sri Swarnadeep Ghosh				
	Sri Ranjit Manna	Security Personnel			

2.	Sri Soham Mitra Sri Bhaskar Malik Sri Tapan Das Subrata Bag Sri Mohan Chandra Manna Sri Krishnendu Halder Sri Swarnadeep Ghosh Sri Ranjit Manna	Research Assistant Veterinary Assistant Zoo Keeper Animal Attendant Security Personnel	Training on safe handling and rehabilitation of commonly rescued and seized animals	28.08.2023- 29.08.2023	Garchumuk Zoological Park
3.	Sri Krishnendu Halder	Animal Attendant	World Crocodile Day One Day workshop on Identification, Husbandry & Safe handling of Saltwater Crocodile (<i>Crocodylus porosus</i>)	17.06.2023	Bhagabatpur Crocodile Project
4.	Dr. Mihir Kr. Biswas	Veterinary Officer	Snake handling and awareness program	13.10.2023	Garchumuk Zoological Park

	Sri Bhaskar Malik	Veterinary Assistant			
	Sri Tapan Das Subrata Bag	Zoo Keeper			
	Sri Mohan Chandra Manna Sri Krishnendu Halder Sri Swarnadeep Ghosh	Animal Attendant			
	Sri Ranjit Manna	Security Personnel			
5.	Sri Subrata Bag Sri Swarnadeep Ghosh	Zoo Keeper Animal Attendant	One Day training on Captive Bird Management and artificial incubation of birds	24.11.2023	Zoological Garden, Alipore, Kolkata
6.	Smt. Moitri Mondal Sri Krishnendu Halder Sri Swarnadeep Ghosh	Forest Range Officer Animal Attendant	Management and handling of Bengal Tiger, Common Leopard and Himalayan Black Bear	10.12.2023-14.12.2023	North Bengal Wild Animals Park

7.	Sri Mohan Chandra Manna	Animal Attendant	Keepers training Program Central Zoo Authority	04.03.2024- 07.03.2024	Nandankanan Zoological Park
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10. Zoo Advisory Committee- Nil

11. Health Advisory Committee

As per the directives of the Central Zoo Authority, one Health Advisory Committee has been constituted (ref. 1106/1(9)/5M-85/2005(Pt.-2), dated. 07.03.2018).

Details of the Health Advisory Committee:

Sl. No.	Name of the member	Designation
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, Asst. Director, ARD (Vety), (Disease Investigation), IAH & VB, Belgachia, Kolkata-37	Member
4	Dr. Proloy Mandal, Asst. Director, ARD (Vety), IAH&VB, Belgachia, Kolkata-37	Member

12. Statement of income and expenditure of the Zoo

Total Revenue: Rs. 30,01,920.00/-

- Gate Collection Rs. 28,94,175.00/-
- Animal adoption Rs. 9000.00/-
- Sale of Tender Forms Rs. 56,750.00/-
- Forest Rest House Rent Rs. 7,900.00/-
- Souvenir Shop Rs. 34,095.00/-

Total expenditure: Rs 2,80,85,760.72/-

13. Daily Feed Schedule of animals

GARCHUMUK ZOOLOGICAL PARK		
DIET OF ADULT SPOTTED DEER (WEIGHING ABOUT 70 KG) / HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	Berseem/ Lucern/Stailo/ Hybrid Nepier or any other leguminous fodder	3.5 kg
2.	Local leafy green fodder	3 kg
3.	Standard concentrate mixture*	500 gm
4.	Mineral mixture	10 gm

GARCHUMUK ZOOLOGICAL PARK		
DIET OF SPOTTED DEER FAWN (WEIGHING ABOUT 20 KG) / HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	Berseem/ Lucern/Stailo/ Hybrid Nepier or any other leguminous fodder	1 kg
2.	Local leafy green fodder	850 gm

3.	Standard concentrate mixture*	150 gm
4.	Mineral mixture	3.5gm

*Preparation of 100 kg concentrate mixture-

Sl. No.	Ingredient	Amount
1	Wheat Husk	50 kg
2	Soaked gram	25 kg
3	Ground nut Cake	14 kg
4	Molasses	9 kg
5	Black Salt	12kg

** The above diet should be divided into 2 times in a day

GARCHUMUK ZOOLOGICAL PARK		
DIET OF HIMALAYAN CRESTLESS PORCUPINE / HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	Ripe Banana, Cluster Fig (<i>Ficus racemose</i>)	100 gm
2.	Vegetables (Carrot/Beans/Pumpkin/leafy vegetable/Beetroot/Whole Corn)	300 gm
3.	Soaked Gram	100 gm
4.	Cucumber	350 gm
5.	Tubers (Sweet potato/Potato/Sakhalu/other tubers)	200 gm

GARCHUMUK ZOOLOGICAL PARK		
DIET OF FISHING CAT / HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	Chicken	250 gm
2.	Local live Fish	500 gm

* Live Poultry Bird weekly once- 750 gm/head

** Fasting day- Monday

GARCHUMUK ZOOLOGICAL PARK		
DIET OF JUNGLE CAT / HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	Chicken/Buffalo meat/Local live Fish	750 gm

* Live Poultry Bird weekly once- 750 gm/head

* Chicken Liver will be given as treat once a week- 50gm/head

** Fasting day- Monday

GARCHUMUK ZOOLOGICAL PARK		
DIET OF MACAW / HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	Gram, Mung bean, Corn, Chana, Rajma	60 gm
2.	Sunflower seeds (75%), Rest 25%- Char magaz, Almond (2 pcs), Walnut (2 pcs), white peanut (sand roasted), Safflower seeds, Pumpkin seed, Dry red chilli	200 gm
3.	Carrot, Beetroot, Benas, sweet pumpkin, Luffa, Snake gourd, Pointed gourd, Sajina, Chilli, Broccoli, Capsicum, Peas, Seam, Cauliflower, Ladies finger, Sweet Potato, Seasonal vegetables	250 gm
4.	Guava, Apple, Pear, Pomegranate, Watermelon, Muskmelon, Coconut (every day; 1/3 of the total)	200 gm

* Sugarcane only in stressed condition

** The above diet should be given in 3 courses in a day

GARCHUMUK ZOOLOGICAL PARK		
DIET OF QUAKER PARROT/ HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	Corn ->50%	27.5 gm

	Rest %-Gram, Mung bean, Less amount of seasonal vegetables	
2.	Papaya, Banana, Mango, Pear, ripen guava	30 gm
3.	Millets- 50% Sunflower seeds-25% Safflower seeds 25%	30 gm

* The above diet should be given in 3 courses in a day

GARCHUMUK ZOOLOGICAL PARK		
DIET OF AFRICAN GREY PARROT / HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	Gram 50%, Black Mung bean 25%, Rest 25%- Corn, Rajma, beans, boiled chana)	25 gm
2.	Seasonal Vegetables	20 gm
3.	Fruits (sweet fruits can be given; papaya, banana, Pomegranate, desi dates, Palm fruit)	40 gm
4.	Sunflower seeds, Safflower seeds	30 gm

* Cuttle fish bone will be given as calcium supplement

**1 teaspoon red palm oil or sunflower oil/individual to be mixed with foods

***The above diet should be given in 3 course in a day

**** In breeding season i.e. March to June: snail (boiled+ shell removed) or Prawn boiled with shell- 1teaspoon/individual, should be given from 10 am to 2 pm

GARCHUMUK ZOOLOGICAL PARK		
DIET OF GREEN-CHEEKED CONURE / HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	Gram, Mung bean	15 gm
2.	Vegetables	5 gm
3.	Guava, Apple, Pear, Pomegranate, Watermelon, Muskmelon, seasonal fruits (Less sweet fruits)	20 gm

4.	Sunflower seeds-50%, Safflower seeds-25%, Millet- 25%	12 gm
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*The above diet should be given in 3 courses in a day

GARCHUMUK ZOOLOGICAL PARK		
DIET OF PARAKEET (ROSE-RINGED, BLOSSOM HEADED, ALEXANDRINE)/ HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	Gram (soaked)	20 gm
2.	Vegetables- Chilli (20%), Rest 80%- Yardlong bean, Seam, Snake gourd	10 gm
3.	Fruits (Papaya, Guava)	30 gm
4.	Paddy 25%, Sunflower-25%, Safflower seeds-25%, Millet 25%	30 gm

*The above diet should be given in 3 courses in a day

**Blossom headed parakeet- more ripen fruit, flower

***Alexandrine parakeet- no paddy

GARCHUMUK ZOOLOGICAL PARK		
DIET OF BUDGERIGAR / HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	Small sunflower seeds-10%, Millet-90%	30 gm
2.	Carrot and shaag chopped	6 gm

*The above diet should be given in 3 courses in a day

** Grit mixture- snail shell, Charcoal, brick grit, jhama grit, egg shell, cuttle fish bone to be kept all the time

GARCHUMUK ZOOLOGICAL PARK		
DIET OF LOVE BIRD / HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	Sunflower, Safflower, Millet, Milo +	30 gm
2.	Grated vegetables+ unripe guava	3 teaspoons

*The above diet should be given in 3 courses in a day

** Grit mixture- snail shell, Charcoal, brick grit, jhama grit, egg shell, cuttle fish bone to be kept all the time

GARCHUMUK ZOOLOGICAL PARK		
DIET OF COCKATOO / HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	Gram, Corn	20 gm
2.	Seasonal vegetables	30 gm
3.	Unripe guava, apple, pear, Pomegranate, pumpkin, sweet potato	10 gm
4.	Millet-50%, Sunflower-25%, Safflower seeds-25%	20 gm

*The above diet should be given in 3 courses in a day

GARCHUMUK ZOOLOGICAL PARK		
DIET OF COCKATIEL / HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	Small sunflower seeds-10%, Millet-90%	30 gm
2.	Carrot and shaag chopped	6 gm

*The above diet should be given in 3 courses in a day

** Grit mixture- snail shell, Charcoal, brick grit, jhama grit, egg shell, cuttle fish bone to be kept all the time

GARCHUMUK ZOOLOGICAL PARK		
DIET OF DIAMOND DOVE / HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	Niger Black seed-10%, small grain, Millet-80%, Tisi-10%	20 gm
2.	Grated carrot, beet, boiled egg, Sattu	10 gm

*The above diet should be given in 3 courses in a day

**In breeding season poppy seeds should be given (October-November)

***Quaker oats for incubation

GARCHUMUK ZOOLOGICAL PARK		
DIET OF FIINCH / HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	Niger Black seed-10%, small grain, Millet-80%, Tisi-10%	20 gm
2.	Grated carrot, beet, boiled egg, Sattu	10 gm

*The above diet should be given in 3 course in a day

**In breeding season poppy seeds should be given (October-November)

***Quaker oats for incubation

GARCHUMUK ZOOLOGICAL PARK		
DIET OF JAVA SPARROW / HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	50% raw unprocessed paddy	20 gm
2.	Insect, ant	20 gm
3.	Green vegetable chopped	20 gm

*The above diet should be given in 3 courses in a day

GARCHUMUK ZOOLOGICAL PARK		
DIET OF PHEASANT / HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	Concentrate Mixture	150 gm
2.	Vegetables- all (except cabbage, brinjal, onion), Letuce, carrot, beet, Laal shag, grass	200 gm
3.	Egg	1/2

* During Breeding season from Nov/Dec to May starting 1/3 + 1 teaspoon Sattu + Mealworm/individual will be given

GARCHUMUK ZOOLOGICAL PARK		
DIET OF EMU/ HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	Concentrate Mixture	250 gm
2.	Vegetables- all (except cabbage, brinjal, onion), Letuce, carrot, beet, Laal shag, grass	200 gm
3.	Egg	1

* During Breeding season from Nov/Dec to May starting 1/3 + 1 teaspoon Sattu + Mealworm/individual will be given

GARCHUMUK ZOOLOGICAL PARK		
DIET OF TURACO/ HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	Egg	1/4
2.	Papaya, Watermelon, Banana, Apple, Grapes, Sapodilla, Melon	50 gm
3.	Cucumber, Carrot, Beetroot, Pumpkin	5 gm

*Green tea and Black tea each will be given twice a week

** Tulsi, Guava and Neem leaves chopped will be given weekly once

GARCHUMUK ZOOLOGICAL PARK		
DIET OF TOUCAN/ HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	Egg	3/4
2.	Papaya, Watermelon, Banana, Apple, Grapes, Sapodilla, Melon	50 gm
3.	Cucumber, Carrot, Beetroot, Pumpkin	5 gm

*Green tea and Black tea each will be given twice a week

** Tulsi, Guava and Neem leaves chopped will be given weekly once

GARCHUMUK ZOOLOGICAL PARK		
DIET OF LUTINO GALAH / HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	Small grass seed, Soaked wheat grain	80 gm
2.	Durba Grass, Laal shaag, Ipomea, Green chilli, Dry chilli	50 gm
3.	Apple, Watermelon, Guava	50 gm

GARCHUMUK ZOOLOGICAL PARK		
DIET OF WATER BIRDS / HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1	Maize Dust	65 gm
2	Paddy	65 gm
3	Boiled Rice	65 gm
4	Water Spinach	65 gm
5	Red Amaranth	30 gm
6	Bajra	65 gm
7	Chattu	65 gm
8	Cabbage	50 gm
9	Beans	65 gm

*Monthly once 4-5 kg Snails to be provided in the water body

GARCHUMUK ZOOLOGICAL PARK		
DIET OF INDIAN STAR TORTOISE / HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	GREENS	
	Alfa alfa / Timothy hay / Bermuda grass / Mustard greens / Water Spinach*	45 gm
2.	VEGETABLES	
	Carrots / Chinese Cabbage / Green Beans / Pumpkins / Ladies Finger / Squash / Orange Bell Peppers/ Cluster Fig (<i>Ficus racemose</i>)	25 gm
3.	FRUITS	
	Banana / Apple (without seed) / Water Melon (without seed) / Mango	3.5-5 gm
4.	TREATS***	
4a.	Cucumber	15-20 gm
4b.	Hibiscus Flowers with green buds	01
4c.	**Spineless <i>Opuntia sp.</i> (Prickly pear cactus pads)	15-20 gm
4d.	Dandelion flower	01

*Green spinaches are high in oxalates which hinder calcium absorption, hence to be given in moderate quantity combined with other greens and grasses.

***Opuntia sp.* are high in calcium and contains 80% water. To be given only during summer months as treats.

***Note: All treats to be given as supplement once a week and should not be part of regular primary diet.

Diets calculated based on avg. 700 gm weight tortoises, taking 10% of body weight as minimum dietary requirement

GARCHUMUK ZOOLOGICAL PARK		
DIET OF TURTLES/ HEAD / DAY		
SL. No	FEED ITEM	QUANTITY
1.	FISH / MEAT	
	Small local fishes such as Punti (<i>Puntias sp.</i>) / Bele (<i>Glossogobius giuris</i>) / Bombay Duck (<i>Harpadon nehereus</i>), Lata (<i>Channa punctatus</i>), Bata (<i>Labeo bata</i>),	42 gm-45 gm

	Chicken shreds, Shrimps (Dried & Live), Fresh water snails & molluscs	
2.	GREENS & VEGETABLES	
	Water Spinach*/ Common Duck Weed (<i>Lemna minor</i>) / <i>Limnobium sp.</i> , Carrots shred / Pumpkin Shreds / Hyacinths	28 gm -30 gm

*Green spinaches are high in oxalates which hinder calcium absorption, hence to be given in moderate quantity

Diets calculated based on avg. 700 gm body weight, taking 10% of body weight as minimum dietary requirement

GARCHUMUK ZOOLOGICAL PARK		
DIET OF MARSH CROCODILE/ HEAD / DAY (3days per week)		
SL. No	FEED ITEM	QUANTITY
1.	FISHES / MEAT	
	Local fishes such as carps, Lata (<i>Channa punctatus</i>), Shol (<i>Channa striatus</i>), Bele (<i>Glossogobius giuris</i>), Bata (<i>labeo bata</i>) / buffalo meat / whole chicken or ducks / Pork meat (with body hairs), Rabbits (whole)	800 gm-1 Kg

*Diet calculated based on Avg.100 kilograms of body weight of crocodile with 8 to 10% of the body weight required as minimum dietary requirement.

GARCHUMUK ZOOLOGICAL PARK		
INDIAN ROCK PYTHON/ HEAD / DAY (Every 7-10 days)		
SL. No	FEED ITEM	QUANTITY
1.	MEAT	
	White Rats/ White Mice / Whole Chicken / Rabbit / Guinea Pigs <ul style="list-style-type: none"> Juveniles weighing 800 gm to 1000 gm: white Rats / White Mice/ Chicks of chicken 	100 to 150 gm/ Feed

<ul style="list-style-type: none"> Adults weighing between 5 kgs to 10kgs: White Rats / White Mice/ Chicken / Guinea Pigs / Rabbit 	800 to 1000 gm/ Feed
<ul style="list-style-type: none"> Adults weighing between 10-15 kg: Chicken / Rabbit / Guinea Pigs 	1000 gm-1500 gm / Feed

14. Vaccination Schedule of animals

Sl. No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
1	Deer	FMD	Tetravalent Vaccine 2 ml intramuscular	Twice in the year	
		HS			
		BQ			
2	Bird	ND	<ul style="list-style-type: none"> F1 Lentogenic Strain Vaccine should be given at the age of 7-8 days B1 Lasota Strain Vaccine (Booster Dose) should be given at the age of 28-30 days More than 8 week of age or older, should be given R2B Mesogenic strain @0.5 ml, IM 	B1 Lasota strain should be given at the interval of 6 months	

3	Fishing Cat	Rabies	1ml	Yearly	
		Feline Pan Leukopenia (FPL)	1ml	Yearly	
4	Jungle Cat	Rabies	1ml	Yearly	
		Feline Pan Leukopenia (FPL)	1ml	Yearly	

15. De-worming Schedule of Animals

The Zoo Veterinary Hospital generally follows a specific and strategic deworming Protocol. This method of deworming is based on the type of animals and how they are placed at the enclosures, environment, density, rotation schedule, housing type, factors like Immune suppression, species variation and viability. The deworming schedule of animals at Garchumuk Zoological Park are as follows.

DE-WORMING SCHEDULE OF ANIMALS

Sl. No.	Species	Drug used	Month	Remark
1	Deer	Albendazole	April, July, October	Three times in the Year and Drugs are used according to the type of parasitic load and the
		Fenbendazole		
		Triclabendazole		
		Livamisole		

		Oxyclozanide	& January	condition of the pregnant and non-pregnant animal.
2	Fishing Cat	Albendazole	April, July, October & January	Three times in the Year and Drugs are used according to the type of parasitic load and the condition of the pregnant and non pregnant animal
		Fenbendazole		
		Praziquantal		
		Pyrantel Pamoate		
3	Birds	Fenbendazole	April, July, October & January	According to the examination of the fecal sample in every three months
		Praziquantal		
4	Porcupine	Albendazole	April, October	According to the examination of the fecal sample in every six months
		Fenbendazole		
5	Turtle/Tortoise	Albendazole	April, October	According to the examination of the fecal sample in every six months
		Fenbendazole		
6	Python	Fenbendazole	April, October	According to the examination of the fecal sample in every six months
7	Crocodile	Albendazole	April, October	According to the examination of the fecal sample in every six months six months
		Fenbendazole		

16. Disinfection Schedule

WEEKLY SCHEDULE	MONTHLY SCHEDULE	ANNUAL SCHEDULE
<ul style="list-style-type: none"> • Regular Preventive disinfection (Kohrsolin) • In house spray-Proper cleaning of exhibits/ housing areas • Cleaning of water and feeder tray • Application of turmeric powder inside (floor and walls) and around enclosures. • Providing adequate disinfection with 1% Potassium permanganate both as dips and rinses. • Cleaning and disinfection of equipment with 1% Potassium 	<ul style="list-style-type: none"> • For specific disinfection Spraying of Butox / Clinar inside enclosures • Applying calcium carbonate during onset of rainy seasons at the enclosures (mud / swampy) as a disinfection protocol • Applying Vircon- S powder @ 10 gm/L water, spraying all over the enclosure twice in a month 	<ul style="list-style-type: none"> • Fumigation (Vircon- S) • White washing • Painting

<p>permanganate before and after use.</p> <ul style="list-style-type: none"> • Rodent control by proofing / physical barriers 		
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17. Health Check-up of employees for zoonotic diseases

Nil

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

- Construction of Visitor Pathway with Paver Block (290 mtr X 4.0 Mtr)
- Renovation with protection work in Crocodile (Salt Water) enclosure
- Renovation and repair work of the shade for Macaw Enclosure
- Repair of Chain link fencing of Fishing Cat Enclosure
- Repair & Extension of Concrete made Bamboo design Standoff Barrier of different enclosure
- Repair, Extension & Strengthening of Water Bird Aviary
- Repair, Extension & Strengthening of Flying Bird Aviary
- Repair & renovation of storm damaged fencing wall of Mugger/Marsh Crocodile Enclosure
- Repair & renovation of storm damaged zoo Boundary wall adjacent to crocodile and Python enclosure
- Supply of Bird & Animal Feed

- For renovation of fencing by GRP (Ticket Counter Side) at Garchumuk Zoological Park, Ulughata, Howrah
- For renovation of fencing by GRP (Pond Side) at Garchumuk Zoological Park, Ulughata, Howrah.
- Shed on flying Bird's aviary at Garchumuk Zoological Park, Ulughata, Howrah.
- Extension & renovation of Iguana enclosure at Garchumuk Zoological Park, Ulughata, Howrah.
- Land development by earth filling and silver filling at different places
- Repair, renovation and reinstalling of damaged Paver Block with sand filling and colouring the Paver Block Road
- Repair & renovation of existing Post Mortem Room
- Repairing & remodelling of Souvenir Shop with Clay Tiles & colour of Tiles
- Supply and installation of CCTV system for surveillance
- Sanitary / plumbing and electrical works of the Administrative Building (Balance Portion)
- Earth work in cutting in Deer Enclosure
- Repair & renovation of boundary fencing from Deer enclosure end point towards exit gate
- Repair & renovation of rescue centre
- Painting of Jungle Book Theme, Awareness Generation on Wildlife Theme, Animal Situation Wise Background and Environmental Awareness Related Detailing on Plaster Inside and Outside Wall
- Supplying and installation of furniture of Ticket Counter
- Repairing & renovation of toilet block
- Repairing & maintenance of DFO camp office

19. Education and Awareness programmes during the year

Purpose	Date	Participants
One day excursion	07.01.2024	70 students of Pratappore High School (H.S)
One day excursion	18.01.2024	50 students of Ganganagar-Sahara Adarsha Vidyalaya
One day excursion	22.01.2024	Students of class X and XI of Bantra B.B.P.C Girls' High School (H.S)
One day excursion	26.01.2024	40 students of Kalpataru Sishu Niketan
One day excursion	31.01.2024	165 students and 8 teachers of Mohistikari B. S. M High School
One day excursion	07.02.2024	33 students and 10 staffs of Calcutta Jubilee Institution
One day excursion	07.02.2024	25 students and 19 teachers of Howrah Rabindra Vidyamandir
One day excursion	09.02.2024	45 students and 8 teachers of Siakhala Primary School
One day excursion	18.02.2024	12 students and 3 teachers of Bahadurpur Primary School
One day excursion	23.02.2024	25 students and 4 teachers of Uttar Sehagori Primary School

20. Important Events and happenings in the zoo

Garchumuk Zoological Park has been newly inaugurated as a 'Mini Zoo' on 21st December, 2023.

Purpose	Topic	Date
World Turtle Day	One day hands on workshop on identification, husbandry and safe handling of freshwater Turtles & Tortoises (FTT)	23.05.2023
Swachhata Hi Seva	Cleaning of the zoo premises	01.10.2023
World Wetlands Day	Drawing competition, quiz completion, nature walk	02.02.2024



Inauguration of Garchumuk Zoological Park as a 'Mini Zoo'



Inauguration of DFO Camp Office at Garchumuk Zoological Park



Workshop arranged on World Turtle Day

Certificate of Appreciation

This is to certify that

Garchumuk Zoo

Has contributed in
Shramdaan for Swachh Bharat
On
1st October, 2023, at 10 AM

A Swachh Bharat Mission Initiative



Swaccha Hi Seva Campaign



World Wetland Day Celebration

21. Seasonal special arrangements for upkeep of animals

a) Care for animals during summer

- Providing ORS to all animals
- Including seasonal fruits in the diet
- Installation of sprinkler in different primate enclosures and aviaries
- Hanging of Khus-khus curtain at the particular sites to evade scorching heat
- Providing more shades for the animals

b) Care for animals during monsoon

- Disinfection of enclosures are done more frequently

c) Care for animals during winter

- Including seasonal fruits in the diet
- Enough housing
- Providing Room heater in the carnivore night shelters
- Providing proper substance as bedding for reptiles during hibernation

22. Research Work carried out and publications

- Different research programs on animal biology & behaviour, disease control & health care, food & nutrition, habitat and reproductive biology of wild animals housed in the zoo are being conducted.
- Hormonal Studies of Fishing cat related to Conservation breeding

23. Conservation Breeding Programme of the Zoo

West Bengal Zoo Authority has initiated the Project of Conservation Breeding of Fishing Cat-the state animal of West Bengal and has prioritized the breeding program to reintroduce the captive bred individuals into their natural habitat by ensuring their viability.

Garchumuk Zoological Park has been selected for setting up of Fishing cat conservation breeding Centre at the 20th Technical Committee meeting of West Bengal Zoo Authority, held on 28th April 2021. The project has been approved by the Governing Board meeting of West Bengal Zoo Authority (WBZA) on 6th August 2021. Finally, it has been submitted to the Central Zoo Authority with reference 385/WBZA/T-38/ 21-22; Dated: 21-09-2021.

24. Animal acquisition / transfer / exchange during the year

A.	Animals arriving in the zoo				
	Memo No.	Species	No. (M:F:U)	From which zoo	Date of arrival of zoo
1	788/WBZA/T-35/23-24	Indian Rock Python Golden Pheasant Silver Pheasant	0:1:0 0:2:0 0:2:0	Padmaja Naidu Himalayan Zoological Park	9.11.23

2	950/GENL/S.023 (C) Pt III/PNHZP/23- 24	Lady Amherst's Pheasant Red Jungle Fowl	2:1 1:1	Padmaja Naidu Himalayan Zoological Park	12.12.23
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B. Animals going from the zoo					
	Memo No.	Species	No. (M:F:U)	Going to which zoo	Date of arrival of zoo
1.	3173/WL/2W- 539/2023	Jungle Cat (<i>Felis chaus</i>)	1:1	Padmaja Naidu Himalayan Zoological Park	09-11-2023
2.	45/GMZ-26	Diamond Dove Quaker Parakeet Fischer's Love Bird Lilian Love Bird Rosy Faced Love Bird Java Sparrow	0: 0: 20 0: 0: 4 0: 0: 10 0: 0: 10 0: 0: 7 0: 0: 10	Padmaja Naidu Himalayan Zoological Park	09-11-2023

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

Sl. No.	Date of Rescue	Species with number of animals rescued with their sex (M:F:U:T)	Received from	Date of Submission of Report to the CWLW/ CZA	Action taken	
					Date & Place of rehabilitation in their habitat	Reasons for housing in the zoo, if not released in their habitat
1	01.04.2023	i) Black Kite (0:0:1:1) ii) Gray Langur (1:0:0:1)	Hoogly Range Area	–	14.04.2023 06.04.2023	–
2	04.04.2023	Barn Owl (0:0:1:1)	Uluberia P.S. Area	–	14.04.2023	–
3	04.04.2023	Gray Langur (0:0:1:1)	Uluberia P.S. Area	–	14.04.2023	–
4	05.04.2023	Black-rumped Flameback (0:0:1:1)	Vill- Radhanagar , Shyampur, Howrah	–	8.04.2023	–
5	06.04.2023	Green Iguana (0:0:1:1)	Urban Range Area	–	–	–
6	07.04.2023	i) Indian Flapshell Turtle (0:0:1:1) ii) Star Tortoise (0:0:1:1) iii) Gray Langur (1:0:0:1) iv) Rhesus	Hoogly Range Area	–	27.04.2023	–

		Macaque(1:0:0:1)				
7	08.04.2023	Rhesus Macaque (1:0:0:1)	Urban Range Area	–	27.04.2023	–
8	8.04.2023	Black Kite (0:0:1:1)	Urban Range Area	–	27.04.2023	–
9	11.04.2023	Barn Owl (0:0:1:1)	Urban Range Area	–	27.04.2023	–
10	11.04.2023	Asian Plam Civet (0:0:1:1)	Urban Range Area	–	27.04.2023	–
11	11.04.2023	Indian Softshell Turtle (0:0:1:1)	Urban Range Area	–	27.04.2023	–
12	11.04.2023	Fishing Cat (1:0:0:1)	Vill- Ramnagar, Shyampur, Howrah	–	30.05.2023	–
13	12.04.2023	Rhesus Macaque (1:0:0:1)	Uluberia P.S. Area	–	29.04.2023	–
14	12.04.2023	Barn Owl (0:0:1:1)	Uluberia P.S. Area	–	27.04.2023	–
15	13.04.2023	Indian Flapshell Turtle (0:0:1:1)	Vill- Mathapra, Shyampur, Howrah.	–	27.04.2023	–
16	16.04.2023	i) Red Eared Slider Turtle (0:0:16:16) ii) Blake Kite (0:0:2:2)	Arambag Range Area	–	Black Kite and Barn owl released on 27.04.23	–

		iii) Barn Owl (0:0:1:1)				
17	18.04.2023	Indian Flapshell Turtle (0:0:1:1)	Uluberia P.S. Area	–	27.04.2023	–
18	18.04.2023	i) Cobra (0:0:4:4) ii) Sand Boa (0:0:4:4)	Uluberia P.S. Area	–	27.04.2023	–
19	18.04.2023	Tokay Gecko (0:0:1:1)	Uluberia P.S. Area	–	27.04.2023	–
20	20.04.2023	i) Gray Langur (0:1:0:1) ii) Burn Owl (0:0:1:1) iii) Black Kite (0:0:1:1)	Hoogly Range Area	–	27.04.2023	–
21	21.04.2023	Gray Langur (1:0:0:1)	Urban Range Area	–	27.04.2023	–
22	23.04.2023	Mongoose (0:0:1:1)	Uluberia P.S. Area	–	27.04.2023	–
23	23.04.2023	Indian Flapshell Turtle (0:0:1:1)	Boalia, Somruk, Ul uberia, Howrah	–	27.04.2023	–
24	24.04.2023	Red Eared Slider (0:0:1:1)	Vill- Bhagbanpu r, Shyampur, Howrah.	–	–	–
25	25.04.2023	Asian Plam Civet (0:0:4:4)	Khejuri Range	–	12.05.2023	–
26	25.04.2023	Gray Langur (1:0:0:1)	Bagnan P.S. Area	–	27.04.2023	–

27	26.04.2023	Black-rumped Flameback (0:0:1:1)	Vill- Nakol, Shyampur, Howrah.	-	12.05.2023	-
28	26.04.2023	Egg of Lissemys Punctata (Nos. 13)	Vill- Jonaikol, Shyampur, Howrah.	-	-	-
29	27.04.2023	Jungle Cat (1:0:0:1)	Vill- Bhagbanpu r, Shyampur, Howrah.	-	12.05.2023	-
30	28.04.2023	Black Kite (0:0:1:1)	Vill- Kolia, Shyampur, Howrah.	-	12.05.2023	-
31	28.04.2023	i) Barn Owl (0:0:1:1) ii) Little Cormorant (0:0:1:1)	Uluberia P.S. Area	-	12.05.2023	-
32	29.04.2023	Indian Flapshell Turtle (0:0:1:1)	Joypur P.S. Area	-	12.05.2023	-
33	29.04.2023	Gray Langur (1:0:0:1)	Hoogly Range Area	-	-	-
34	30.04.2023	Softshell turtle (0:0:1:1)	Uluberia P.S. Area	-	12.05.2023	-
35	01.05.2023	Jungle Cat (1:0:0:1)	Vill- Bhagbanpu r, Shyampur, Howrah.	-	12.05.2023	-

36	01.05.2023	i) Himalayan Crestless Porcupine (0:0:1:1) ii) Red Eared Slider iii) Softshell turtle (0:0:1:1) iv) Asian Palm Civet (0:0:1:1) v) Barn Owl (0:0:1:1) vi) Black Kite (0:0:2:2)	Hoogly Range Area	–	Except Red Eared Slider, all are released on 12.05.2023	–
37	01.05.2023	Gray Langur (1:0:0:1)	Uluberia P.S. Area	–	24.05.2023	–
38	04.05.2023	Russell Viper (0:0:1:1)	Gopalpur, Shyampur, Howrah.	–	28.05.2023	–
39	06.05.2023	Rose-ringed Parakeet - (2:4:0:6)	Contai Range, Purba Medinipur.	–	24.05.2023	–
40	07.05.2023	Rose-ringed Parakeet - (4:4:0:8)	Urban Range Area	–	24.05.2023	–
41	08.05.2023	Fishing Cat (1:0:0:1)	Udaypur, Shyampur, Howrah.	–	24.05.2023	–
42	10.05.2023	Barn Owl (0:0:1:1)	Shibpur, Shyampur, Howrah	–	24.05.2023	–
43	11.05.2023	Gray Langur (0:1:0:1)	Uluberia P.S. Area	–	Dead	–
44	12.05.2023	Gray Langur (0:1:0:1)	Bagnan P.S. Area	–	Dead	–
45	13.05.2023	i) Gray Langur (0:1:0:1)	Hoogly Range Area	–	24.05.2023	–

		ii) Barn Owl (0:0:1:1) iii) Aian Koel (0:0:1:1)				
46	13.05.2023	Black Kite (0:0:1:1)	Uluberia P.S. Area	–	24.05.2023	–
47	18.05.2023	Asian Palm Civet (0:0:1:1)	Uluberia P.S. Area	–	24.05.2023	–
48	22.05.2023	Cobra (0:0:4:4)	Sanghagac hi, Shyampur, Howrah.	–	28.05.2023	–
49	23.05.2023	Golden Jackal (1:0:0:1)	Uluberia P.S. Area	–	10.06.2023	–
50	24.05.2023	i) Asian Palm Civet Cat (0:0:4:4) ii) Rhesus Macaque (0:1:0:1)	Urban Range Area	–	10.06.2023	–
51	26.05.2023	Softshell turtle (0:0:1:1)	Uluberia P.S. Area	–	10.06.2023	–
52	27.05.2023	Cobra (0:0:1:1)	Khirishberi a, Shyampur, Howrah.	–	21.06.2023	–
53	29.05.2023	Softshell turtle (0:0:1:1)	Uluberia P.S. Area	–	10.06.2023	–
54	29.05.2023	Asian Palm Civet Cat (0:0:1:1)	Uluberia P.S. Area	–	10.06.2023	–
55	30.05.2023	Russell Viper (0:0:1:1)	Vill- Marshal, Shyampur, Howrah.	–	21.06.2023	–
56	30.05.2023	Gray Langur (1:0:0:1)	Uluberia P.S. Area	–	10.06.2023	–

57	30.05.2023	Gray Langur (1:0:0:1)	Urban Range Area, Howrah.	–	10.06.2023	–
58	30.05.2023	Softshell turtle (0:0:1:1)	Urban Range Area, Howrah.	–	10.06.2023	–
59	30.05.2023	Barn Owl (0:0:1:1)	Urban Range Area, Howrah.	–	10.06.2023	–
60	31.05.2023	Cobra (0:0:1:1)	Vill- Gazipur, Shyampur, Howrah.	–	21.06.2023	–
61	01.06.2023	Cobra (0:0:1:1)	Vill- Minebar, Shyampur, Howrah.	–	21.06.2023	–
62	01.06.2023	Gray Langur (1:0:0:1)	Hoogly Range Area	–	10.06.2023	–
63	04.06.2023	Asian Palm Civet Cat (1:0:0:1)	Uluberia P.S. Area	–	10.06.2023	–
64	04.06.2023	Russell Viper (0:0:1:1)	Vill- Shikol, Shyampur, Howrah.	–	21.06.2023	–
65	05.06.2023	Russell Viper (0:0:1:1)	Vill- Bolpur, Shyampur, Howrah.	–	21.06.2023	–
66	05.06.2023	Cattle Egret (0:0:1:1)	Vill- Belpukur, Shyampur, Howrah.	–	10.06.2023	–
67	05.06.2023	Asian Palm Civet (3:0:0:3)	Uluberia P.S. Area	–	29.06.2023	–

68	06.06.2023	Golden Jackal (1:0:0:1)	Uluberia P.S. Area	–	29.06.2023	–
69	06.06.2023	Softshell turtle (0:0:1:1)	Vill- Deuli, Shyampur, Howrah.	–	29.06.2023	–
70	07.06.2023	Cobra (0:0:1:1)	Vill- Malanchab eria, Shyampur, Howrah.	–	21.06.2023	–
71	07.06.2023	Asian Palm Civet Cat (0:0:3:3)	Vill- Birshibpur, Uluberia, Howrah.	–	29.06.2023	–
72	08.06.2023	Fishing Cat (1:0:0:1)	Uluberia P.S. Area	–	29.06.2023	–
73	08.06.2023	Water Monitor Lizard (0:0:1:1)	Vill- Shyampur, Howrah.	–	29.06.2023	–
74	09.06.2023	i) Asian Palm Civet (0:0:1:1) ii) Little Cormorant (0:0:1:1)	Uluberia P.S. Area	–	29.06.2023	–
75	10.06.2023	Gray Langur (0:0:1:1)	Uluberia P.S. Area	–	Dead	–
76	11.06.2023	Eagle (0:0:1:1)	Uluberia P.S. Area	–	29.06.2023	–
77	13.06.2023	Rose-ringed Parakeet (0:0:1:1)	Vill- Madhabpur , Shyampur, Howrah.	–	29.06.2023	–
78	13.06.2023	i) Asian Palm Civet (0:0:1:1) ii) Gray Langur (1:0:0:1)	Urban Range Area, Howrah.	–	29.06.2023	–

		iii) Asian Openbill (0:0:1:1)				
79	15.06.2023	Eagle (0:0:1:1)	Hoogly Range Area	–	29.06.2023	–
80	16.06.2023	Cobra (0:0:1:1)	Vill- Narikelbar, Shyampur, Howrah.	–	21.06.2023	–
81	16.06.2023	Softshell turtles (0:0:2:2)	Vill- Gopinathpur, Shyampur, Howrah.	–	29.06.2023	–
82	18.06.2023	Monitor Lizard (0:0:1:1)	Uluberia P.S. Area	–	29.06.2023	–
83	20.06.2023	Gray Langur (1:0:0:1)	Vill- Deuli, Shyampur, Howrah.	–	29.06.2023	–
84	21.06.2023	Asian Palm Civet (0:0:1:1)	Vill- Shibganj, Shyampur, Howrah.	–	05.07.2023	–
85	21.06.2023	Cobra (0:0:1:1)	Vill- Malanchaberia, Shyampur, Howrah.	–	05.07.2023	–
86	21.06.2023	Cobra (0:0:1:1)	Vill- Nabagram, Shyampur, Howrah.	–	05.07.2023	–
87	21.06.2023	Black Kite (0:0:1:1)	Public Given	–	05.07.2023	–
88	22.06.2023	Cattle Egret (0:0:1:1)	Vill- Nabagram, Shyampur, Howrah.	–	05.07.2023	–

89	22.06.2023	Black Kite (0:0:1:1)	Uluberia P.S. Area	–	05.07.2023	–
90	23.06.2023	Cobra (0:0:1:1)	Shyampur, P.S. Area	–	05.07.2023	–
91	25.06.2023	Gray Langur (1:0:0:1)	Uluberia P.S. Area	–	Dead	–
92	25.06.2023	Gray Langur (1:0:0:1)	Urban Range Area, Howrah.	–	Dead	–
93	29.06.2023	Softshell turtle (0:0:1:1)	Local Public Area	–	05.07.2023	–
94	29.06.2023	Softshell turtles (0:0:1:1)	NGO Given	–	05.07.2023	–
95	30.06.2023	Cobra (0:0:1:1)	Vill- Shikol, Shyampur, Howrah.	–	05.07.2023	–
96	30.06.2023	Common Vine Snake (0:0:1:1)	Vill- Khidirpur, Shyampur, Howrah.	–	05.07.2023	–
97	01.07.2023	Cobra (0:0:3:3)	Vill- Nimtola, Shyampur, Howrah.	–	05.07.2023	–
98	02.07.2023	Gray Langur (1:0:0:1)	Uluberia P.S. Area	–	Dead	–
99	03.07.2023	Gray Langur (1:0:0:1)	Bainan, Bagnan, Howrah,	–	Dead	–
100	03.07.2023	Gray Langur (0:1:0:1)	Bainan, Bagnan, Howrah,	–	20.07.2023	–
101	04.07.2023	Green Barbet (0:0:4:4)	Vill- Sashati, Shyampur, Howrah.	–	20.07.2023	–

102	04.07.2023	Muscovy duck (0:0:1:1)	Vill-Jhamtia, Bagnan, Howrah.	–	–	Not fit to release in the wild
103	05.07.2023	Cobra (0:0:1:1)	Vill-Naskarpur, Shyampur, Howrah.	–	20.07.2023	–
104	05.07.2023	Owl (0:0:1:1)	Vill-Shyampur, Howrah.	–	20.07.2023	–
105	05.07.2023	Softshell turtle (0:0:1:1)	Urban Range Area, Howrah.	–	20.07.2023	–
106	05.07.2023	i) Spotted Dove (0:0:1:1) ii) Rhesus Macaque (1:0:0:1) iii) Black Kite (0:0:1:1) iv) Gray Langur (1:0:0:1)	Urban Range Area, Howrah.	–	20.07.2023	–
107	05.07.2023	Asian Palm Civet (1:0:0:1)	NGO Given	–	20.07.2023	–
108	06.07.2023	Gray Langur (1:0:0:1)	Vill-Tiorpara, Dhulasimla, Howrah	–	Dead	–
109	07.07.2023	i) Softshell turtle (0:0:1:1) ii) Cobra (0:0:1:1)	Vill-Gopalpur, Shyampur, Howrah.	–	20.07.2023	–
110	07.07.2023	i) Softshell turtle(0:0:1:1)	NGO Given	–	20.07.2023	–

		ii) Civet Cat (0:0:2:2)				
111	07.07.2023	Softshell turtle (0:0:1:1)	Uluberia P.S. Area	-	20.07.2023	-
112	08.07.2023	i) Gray Langur (1:0:0:1) ii) Cobra (0:0:1:1)	Uluberia P.S. Area	-	20.07.2023	-
113	09.07.2023	Softshell turtle (0:0:2:2)	Vill- Chilara, Shy ampur, Howrah.	-	20.07.2023	-
114	09.07.2023	Softshell turtle (0:0:1:1)	Vill- Gurepole, Shyampur, Howrah.	-	20.07.2023	-
115	10.07.2023	Softshell turtle (0:0:1:1)	local Public Area	-	20.07.2023	-
116	10.07.2023	Black Kite (0:0:1:1)	Uluberia P.S. Area	-	20.07.2023	-
117	11.07.2023	Cobra (0:0:1:1)	Vill- Naskarpur, Shyampur, Howrah.	-	20.07.2023	-
118	12.07.2023	i) Cobra (0:0:1:1) ii) Softshell turtle (0:0:1:1)	Vill- Ramnagar, Shyampur, Howrah.	-	20.07.2023	-
119	13.07.2023	Cobra (0:0:1:1)	Vill- Ramnagar, Shyampur, Howrah.	-	20.07.2023	-
120	15.07.2023	Gray Langur (1:0:0:1)	Uluberia P.S. Area	-	03.08.2023	-
121	16.07.2023	Gray Langur (0:1:0:1)	Ghuguberia ,	-	03.08.2023	-

			Shyampur, Howrah.			
122	16.07.2023	Gray Langur (1:0:0:1)	Amta P.S. Area	-	03.08.2023	-
123	16.07.2023	Gray Langur (1:0:0:1)	Vill- Bahir Khardah, P.S& Block- Haripur	-	Dead	-
124	16.07.2023	Black Kite (0:0:1:1)	Hoogly Range Area	-	03.08.2023	-
125	18.07.2023	Gray Langur (1:0:0:1)	Uluberia P.S. Area	-	03.08.2023	-
126	19.07.2023	i) Black Kite (0:0:1:1) ii) Lineated Barbet (0:0:1:1)	Howrah Urban Area	-	03.08.2023	-
127	21.07.2023	Russell Viper (0:0:1:1)	Vill- Naskarpur, Shyampur, Howrah.	-	03.08.2023	-
128	21.07.2023	i) Rhesus Macaque (1:0:0:1) ii) Gray Langur (1:0:0:1) iii) Softshell turtle (0:0:1:1)	Hoogly Range Area	-	03.08.2023	-
129	21.07.2023	Gray Langur (1:0:0:1)	Uluberia P.S. Area	-	Dead	-
130	22.07.2023	Monitor Lizard (0:0:1:1)	Bagnan P.S. Area	-	03.08.2023	-
131	22.07.2023	Gray Langur (1:0:0:1)	Vill- Nuntia, Shyampur, Howrah.	-	03.08.2023	-

132	23.07.2023	Softshell turtle (0:0:1:1)	Public Given	-	03.08.2023	-
133	23.07.2023	Rat Snake (0:0:1:1)	Vill-Khajri, Shyampur, Howrah.	-	03.08.2023	-
134	23.07.2023	Grey Headed Swamphen (0:0:1:1)	Bagnan P.S. Area	-	03.08.2023	-
135	26.07.2023	Fishing Cat (1:0:0:1)	Hoogly Range Area	-	03.08.2023	-
136	28.07.2023	Himalayan Porcupine (0:0:2:2)	Howrah Urban Area	-	03.08.2023	-
137	28.07.2023	Gray Langur (1:0:0:1)	Vill-Panchla, Howrah.	-	03.08.2023	-
138	28.07.2023	Asian Palm Civet (0:0:1:1)	Vill-Banchi, Shyampur, Howrah.	-	03.08.2023	-
139	02.08.2023	Asian Koel (0:0:1:1)	khultikhari, Shyampur, Howrah.	-	17.08.2023	-
140	03.08.2023	Softshell turtle (0:0:1:1)	Uluberia P.S. Area	-	17.08.2023	-
141	03.08.2023	Monitor Lizard (0:0:1:1)	Vill-Anantapur, Shyampur, Howrah.	-	17.08.2023	-
142	03.08.2023	i) Black Kite (0:0:1:1) ii) Gray Langur (1:0:0:1) iii) Rose-ringed Parakeet (2:4:0:6)	Howrah Urban Area	-	17.08.2023	-

143	04.08.2023	Softshell turtle (0:0:1:1)	Bagnan P.S. Area	-	17.08.2023	-
144	04.08.2023	Softshell turtle (0:0:1:1)	Uluberia P.S. Area	-	17.08.2023	-
145	04.08.2023	Softshell turtle (0:0:1:1)	Uluberia P.S. Area	-	17.08.2023	-
146	04.08.2023	Cobra (0:0:1:1)	Uluberia P.S. Area	-	17.08.2023	-
147	05.08.2023	Russell Viper (0:0:1:1)	Vill- Banchi, Shyampur, Howrah.	-	17.08.2023	-
148	05.08.2023	Cobra (0:0:1:1)	Vill- Sashati, Shyampur, Howrah.	-	17.08.2023	-
149	05.08.2023	Rat Snake (0:0:1:1)	Vill- Sultanpur, Shyampur, Howrah.	-	17.08.2023	-
150	06.08.2023	Gray Langur (1:0:0:1)	Vill- Middyapara, Shyampur, Howrah	-	17.08.2023	-
151	06.08.2023	i) Brown fish owl (0:0:1:1) ii) Softshell turtle (0:0:1:1) iii) Asian Koel (0:0:1:1)	Vill- Amta, Howrah.	-	17.08.2023	-
152	06.08.2023	Cobra (0:0:1:1)	Vill- Ghuguberia, Shyampur, Howrah	-	17.08.2023	-

153	06.08.2023	Softshell turtle (0:0:1:1)	Vill-Garuhata, Uluberia, Howrah.	–	17.08.2023	–
154	07.08.2023	Cattle Egret (0:0:1:1)	Amta P.S. Area	–	17.08.2023	–
155	07.08.2023	Fishing Cat (1:0:0:1)	Bagnan P.S. Area	–	Dead	–
156	07.08.2023	Gray Langur (1:0:0:1)	Vill-Bakshi, Bagnan, Howrah	–	Dead	–
157	08.08.2023	Rat Snake (0:0:1:1)	Vill-Gurepole, Shyampur, Howrah.	–	17.08.2023	–
158	08.08.2023	i) Rhesus Macaque (1:0:0:1) ii) Softshell turtle (0:0:1:1) iii) Asian Palm Civet (0:0:1:1) iv) Black kite (0:0:1:1)	Howrah Urban Area	–	17.08.2023	–
159	09.08.2023	Rose-ringed Parakeet (1:0:0:1)	Vill- Deuli, Shyampur, Howrah.	–	17.08.2023	–
160	10.08.2023	Gray Langur (1:0:0:1)	Joypur P.S. Area	–	17.08.2023	–
161	10.08.2023	Russell Viper (0:0:1:1)	Vill-Belpukur, Shyampur, Howrah.	–	17.08.2023	–
162	10.08.2023	Asian Palm Civet (0:0:1:1)	Vill-Belpukur, Shyampur, Howrah.	–	17.08.2023	–

163	10.08.2023	Gray Langur (1:0:0:1)	Uluberia P.S. Area	–	17.08.2023	–
164	11.08.2023	i) Rhesus Macaque (1:1:0:2) ii) Owl (0:0:1:1)	Howrah Urban Area	–	17.08.2023	–
165	12.08.2023	Gray Langur (1:0:0:1)	Uluberia P.S. Area	–	Dead	–
166	12.08.2023	Gray Langur (1:0:0:1)	Vill- Gobindapur , Shyampur, Howrah.	–	20.08.2023	–
167	13.08.2023	i) Gray Langur (1:0:0:1) ii) Black Kite (0:0:3:3)	Hoogly Range Area	–	20.08.2023	–
168	13.08.2023	Gray Langur (1:0:0:1)	Uluberia P.S. Area	–	20.08.2023	–
169	18.08.2023	Gray Langur (1:0:0:1)	Uluberia P.S. Area	–	28.08.2023	–
170	19.08.2023	Softshell turtle (0:0:1:1)	Public Garchumuk	–	28.08.2023	–
171	19.08.2023	Gray Langur (1:0:0:1)	Uluberia P.S. Area	–	28.08.2023	–
172	22.08.2023	i) Gray Langur (0:1:0:1) ii) Rose- ringed Parakeet (0:1:0:1) iii) Black Kite (0:0:1:1)	Howrah Urban Area	–	28.08.2023	–
173	24.08.2023	Gray Langur (0:1:0:1)	Uluberia P.S. Area	–	28.08.2023	–
174	25.08.2023	Softshell turtle (0:0:1:1)	Uluberia P.S. Area	–	28.08.2023	–

175	26.08.2023	Golden Jackal (1:0:0:1)	Shyampur, P.S. Area	-	04.09.2023	-
176	26.08.2023	Gray Langur (1:0:0:1)	Uluberia P.S. Area	-	04.09.2023	-
177	26.08.2023	i) Gray Langur (1:0:0:1) ii) Softshell turtle (0:0:1:1)	Uluberia P.S. Area	-	04.09.2023	-
178	26.08.2023	Golden Jackal (1:0:0:1)	Hoogly Range Area	-	04.09.2023	-
179	27.08.2023	Russell Viper (0:0:1:1)	Vill- Chhownap ur, Shyampur, Howrah.	-	04.09.2023	-
180	27.08.2023	Cobra (0:0:1:1)	Vill- Nakol, Shyampur, Howrah.	-	04.09.2023	-
181	28.08.2023	i) Gray Langur (1:0:0:1) ii) Golden Jackal (1:0:0:1)	Uluberia P.S. Area	-	04.09.2023	-
182	29.08.2023	Rose-ringed Parakeet (1:0:0:1)	Vill- Deulpur, Shyampur, Howrah.	-	04.09.2023	-
183	02.09.2023	Softshell turtle (0:0:1:1)	Vill- Baneswarp ur, Shyampur, Howrah.	-	15.09.2023	-
184	03.09.2023	Kingfisher (0:0:1:1)	Garchumuk , Shyampur, Howrah.	-	15.09.2023	-

185	03.09.2023	Indian Rock Python (0:0:1:1)	Vill- Chhownapur, Shyampur, Howrah.	-	15.09.2023	-
186	04.09.2023	Cobra (0:0:1:1)	Vill- Gowaldaha, Shyampur, Howrah.	-	15.09.2023	-
187	04.09.2023	Himalayan Porcupine (0:0:1:1)	Panchla P.S. Area	-	15.09.2023	-
188	04.09.2023	Gray Langur (1:0:0:1)	Joypur P.S. Area	-	15.09.2023	-
189	04.09.2023	i) Rhesus Macaque (1:0:0:1) ii) Owl (0:0:1:1)	Howrah Urban Area	-	15.09.2023	-
190	06.09.2023	Fishing Cat (1:0:0:1)	Vill- Sashati, Shyampur, Howrah.	-	15.09.2023	-
191	06.09.2023	Cobra (0:0:1:1)	Vill- Gugarpur, Shyampur, Howrah.	-	15.09.2023	-
192	08.09.2023	Gray Langur (1:0:0:1)	Joypur P.S. Area	-	15.09.2023	-
193	08.09.2023	Owl (0:0:1:1)	Uluberia P.S. Area	-	15.09.2023	-
194	09.09.2023	Leser whistling duck (0:0:1:1)	Howrah Urban Area	-	15.09.2023	-
195	10.09.2023	Fishing Cat (1:0:0:1)	Vill- Deulti, Bagnan, Howrah.	-	Dead	-
196	10.09.2023	Gray Langur (1:0:0:1)	Bagnan P.S. Area	-	Dead	-

197	11.09.2023	Gray Langur (1:0:0:1)	Howrah Urban Area	-	22.09.2023	-
198	12.09.2023	Leser whistling duck (0:0:1:1)	Vill- Dihimondal hut, Shyampur, Howrah.	-	22.09.2023	-
199	13.09.2023	Gray Langur (1:0:0:1)	Howrah Urban Area	-	22.09.2023	-
200	13.09.2023	Russell Viper (0:0:1:1)	Vill- Maligachi, Shyampur, Howrah.	-	22.09.2023	-
201	14.09.2023	Cobra (0:0:1:1)	Vill- Matapara, Shyampur, Howrah.	-	22.09.2023	-
202	17.09.2023	Russell Viper (0:0:1:1)	Vill- Shyampur, Howrah.	-	22.09.2023	-
203	17.09.2023	Gray Langur (1:0:0:1)	Panchla P.S. Area	-	07.10.2023	-
204	18.09.2023	Cobra (0:0:1:1)	Vill- Garchumuk , Shyampur, Howrah.	-	22.09.2023	-
205	19.09.2023	Russell Viper (0:0:1:1)	Vill- Gohaldaha, Shyampur, Howrah.	-	22.09.2023	-
206	19.09.2023	Rhesus Macaque (1:0:0:1)	Howrah Urban Area	-	07.10.2023	-
207	20.09.2023	i) Gray Langur (1:0:0:1) ii) Monitor Lizard (0:0:1:1)	Uluberia P.S. Area	-	07.10.2023	-
208	22.09.2023	Gray Langur (0:0:1:1)	Uluberia P.S. Area	-	07.10.2023	-

209	22.09.2023	Cattle Egret (0:0:1:1)	Uluberia P.S. Area	-	07.10.2023	-
210	22.09.2023	Gray Langur (1:0:0:1)	Bagnan P.S. Area	-	Dead	-
211	23.09.2023	Gray Langur (1:0:0:1)	Bauria P.S. Area	-	07.10.2023	-
212	23.09.2023	Softshell turtle (0:0:1:1)	Vill- Garchumuk , Shyampur, Howrah.	-	07.10.2023	-
213	24.09.2023	i) Gray Langur (1:0:0:1) ii) Black Kite (0:0:1:1)	Hoogly Range Area	-	07.10.2023	-
214	25.09.2023	Softshell turtle (0:0:1:1)	Vill- Mathapra, Shyampur, Howrah.	-	07.10.2023	-
215	26.09.2023	Softshell turtle (0:0:1:1)	Vill- Sashati, Shyampur, Howrah.	-	07.10.2023	-
216	26.09.2023	Gray Langur- (2:0:0:2)	Uluberia P.S. Area	-	07.10.2023	-
217	26.09.2023	i) Gray Langur (1:0:0:1) ii) Black Kite (0:0:1:1) iii) Rose- ringed Parakeet- (1:2:0:3)	Howrah Urban Area	-	07.10.2023	-
218	27.09.2023	Gray Langur (0:0:1:1)	Hoogly Range Area	-	07.10.2023	-
219	27.09.2023	Cobra (0:0:1:1)	Vill- Sanandapur , Shyampur, Howrah.	-	07.10.2023	-

220	27.09.2023	Softshell turtle (0:0:1:1)	Uluberia P.S. Area	-	07.10.2023	-
221	27.09.2023	Fishing Cat (1:0:0:1)	Howrah Urban Area	-	Dead	-
222	29.09.2023	Cobra (0:0:1:1)	Vill- Naskarpur, Shyampur, Howrah.	-	07.10.2023	-
223	29.09.2023	i) Gray Langur (1:0:0:1) ii) Black Kite (0:0:1:1)	Howrah Urban Area	-	07.10.2023	-
224	30.09.2023	Leser whistling duck (0:0:1:1)	Uluberia P.S. Area	-	07.10.2023	-
225	01.10.2023	Cobra (0:0:1:1)	Vill- Andulepara , Shyampur, Howrah.	-	07.10.2023	-
226	01.10.2023	Softshell turtle (0:0:1:1)	Vill- Naowal, Shyampur, Howrah.	-	20.10.2023	-
227	02.10.2023	Softshell turtle (0:0:1:1)	Vill- Baneswar ur, Shyampur, Howrah.	-	20.10.2023	-
228	02.10.2023	Cattle Egret (0:0:1:1)	Uluberia P.S. Area	-	21.10.2023	-
229	03.10.2023	Cobra (0:0:1:1)	Vill- Gohaldaha, Shyampur, Howrah.	-	20.10.2023	-
230	05.10.2023	Softshell turtle (0:0:1:1)	Vill- Champabar , Shyampur, Howrah.	-	21.10.2023	-

231	05.10.2023	Cobra (0:0:1:1)	Vill- Ghuguberia , Shyampur, Howrah	-	20.10.2023	-
232	05.10.2023	i) Gray Langur (1:0:0:1) ii) Black Kite (0:0:1:1)	Howrah Urban Area	-	21.10.2023	-
233	06.10.2023	Gray Langur (1:0:0:1)	Uluberia P.S. Area	-	Dead	-
234	06.10.2023	i) Gray Langur (1:0:0:1) ii) Black Kite (0:0:1:1)	Howrah Urban Area	-	20.10.2023	-
235	07.10.2023	Cobra (0:0:1:1)	Vill- Maheswar pur, Shyampur, Howrah.	-	20.10.2023	-
236	07.10.2023	Softshell turtle (0:0:1:1)	Vill- Rana, Shyampur, Howrah.	-	20.10.2023	-
237	08.10.2023	Softshell turtle (0:0:1:1)	Vill- Kolia, Shyampur, Howrah.	-	20.10.2023	-
238	08.10.2023	Gray Langur (1:0:0:1)	Uluberia P.S. Area	-	21.10.2023	-
239	10.10.2023	Cobra (0:0:1:1)	Vill- Nabagram, Shyampur, Howrah.	-	21.10.2023	-
240	10.10.2023	Cobra (0:0:1:1)	Vill- Naowal, Shyampur, Howrah.	-	21.10.2023	-
241	10.10.2023	Russell Viper (0:0:1:1)	Vill- Baragram, Shyampur, Howrah.	-	20.10.2023	-

242	10.10.2023	Blake Kite (0:0:1:1)	Uluberia P.S. Area	–	21.10.2023	–
243	11.10.2023	Cobra (0:0:1:1)	Vill- Mahaswar, Shyampur, Howrah.	–	21.10.2023	–
244	11.10.2023	Cobra (0:0:1:1)	Vill- Kantagachi, Shyampur, Howrah.	–	21.10.2023	–
245	11.10.2023	Rat Snake (0:0:1:1)	Vill- Mirpara, Shyampur, Howrah.	–	21.10.2023	–
246	12.10.2023	i) Gray Langur (1:0:0:1) ii) Asian Palm Civet (1:0:0:1) iii) Softshell turtle (0:0:1:1)	Uluberia P.S. Area	–	30.10.2023	–
247	13.10.2023	Golden Jackal (1:0:0:1)	Uluberia P.S. Area	–	30.10.2023	–
248	15.10.2023	Cobra (0:0:1:1)	Vill- Ghoshpur, Shyampur, Howrah.	–	21.10.2023	–
249	15.10.2023	Gray Langur (1:0:0:1)	Uluberia, Howrah.	–	Dead	–
250	15.10.2023	Softshell turtle (0:0:1:1)	Howrah Urban Area	–	30.10.2023	–
251	15.10.2023	Cobra (0:0:1:1)	Vill- Gadiarah, Shyampur, Howrah.	–	21.10.2023	–
252	16.10.2023	Cobra (0:0:1:1)	Vill- Kholaberia, Shyampur, Howrah.	–	21.10.2023	–

253	16.10.2023	Cobra (0:0:1:1)	Vill- Pipullyan, Shyampur, Howrah.	-	21.10.2023	-
254	16.10.2023	Russell Viper (0:0:1:1)	Vill- Barberia, Shyampur, Howrah.	-	21.10.2023	-
255	19.10.2023	Jungle Cat (1:0:0:1)	Vill- Bhagwanpu r, Shyampur, Howrah.	-	30.10.2023	-
256	19.10.2023	i) Owl (0:0:1:1) ii) Gray Langur (1:0:0:1)	Howrah Urban Area	-	30.10.2023	-
257	20.10.2023	Cobra (0:0:1:1)	Vill- Maligachi, Shyampur, Howrah.	-	30.10.2023	-
258	20.10.2023	Cobra (0:0:1:1)	Vill- Kultikari, Shyampur, Howrah.	-	30.10.2023	-
259	21.10.2023	Cobra (0:0:1:1)	Vill- Katra, Shyampur, Howrah.	-	30.10.2023	-
260	21.10.2023	Jungle Cat (1:0:0:1)	Vill- Garchumuk , Shyampur, Howrah.	-	Dead	-
261	22.10.2023	Russell Viper (0:0:1:1)	Vill- Shyampur, Howrah.	-	30.10.2023	-
262	22.10.2023	Russell Viper (0:0:1:1)	Vill- Goaldaha, Shyampur, Howrah.	-	30.10.2023	-

263	22.10.2023	Cobra (0:0:1:1)	Vill- Chandanpu r, Shyampur, Howrah.	-	30.10.2023	-
264	23.10.2023	Softshell turtle (0:0:1:1)	Vill- Ichapur, Shyampur, Howrah.	-	30.10.2023	-
265	23.10.2023	Fishing Cat (0:1:0:1)	Vill- Bagnan, P.S.- Bagnan, Howrah.	-	Dead	-
266	23.10.2023	Russell Viper (0:0:1:1)	Vill- Kholaberia, Shyampur, Howrah.	-	30.10.2023	-
267	25.10.2023	Asian Palm Civet (0:0:1:1)	Vill- Shagnagac hi, Shyampur, Howrah.	-	30.10.2023	-
268	26.10.2023	Barn Owl (0:0:1:1)	Vill- Kurchiberia , Shyampur, Howrah.	-	30.10.2023	-
269	26.10.2023	Gray Langur (0:1:0:1)	Vill- Chanpabar, Shyampur, Howrah.	-	30.10.2023	-
270	27.10.2023	Softshell turtle (0:0:1:1)	Vill- Gugarpur, Shyampur, Howrah.	-	30.10.2023	-
271	27.10.2023	Gray Langur (0:1:0:1)	Vill- Fuleswar, Uluberia, Howrah.	-	06.11.2023	-

272	27.10.2023	i) Gray Langur (0:0:1:1) ii) Black Kite (0:0:1:1)	Howrah Urban Area	–	06.11.2023	–
273	27.10.2023	Softshell turtle (0:0:1:1)	Vill- Dhaja, Shyampur, Howrah.	–	06.11.2023	–
274	27.10.2023	Jungle Cat (1:2:0:3)	Uluberia P.S. Area	–	06.11.2023	–
275	28.10.2023	i) Gray Langur (1:0:0:1) ii) Black Kite (0:0:1:1)	Hoogly Range Area	–	06.11.2023	–
276	28.10.2023	Barn Owl (0:0:1:1)	Uluberia P.S. Area	–	06.11.2023	–
277	29.10.2023	Gray Langur (1:0:0:1)	Vill- Pratappur, Shyampur, Howrah.	–	06.11.2023	–
278	29.10.2023	Gray Langur (1:0:0:1)	Vill- Bauria, P.S.- Bauria, Howrah	–	Dead	–
279	29.10.2023	Softshell turtle (0:0:1:1)	Vill- Nabagram, Shyampur, Howrah.	–	06.11.2023	–
280	29.10.2023	Monitor Lizard (0:0:1:1)	Vill- Marshal, Shyampur, Howrah.	–	06.11.2023	–
281	30.10.2023	Cobra (0:0:1:1)	Vill- Majjedpur, Shyampur, Howrah.	–	06.11.2023	–
282	30.10.2023	Cobra (0:0:1:1)	Vill- Syedpur, Shyampur, Howrah.	–	06.11.2023	–

283	31.10.2023	Cobra (0:0:1:1)	Vill- Jamira, Shyampur, Howrah.	–	06.11.2023	–
284	31.10.2023	Softshell turtle (0:0:1:1)	Vill- Belpukur, Shyampur, Howrah.	–	06.11.2023	–
285	31.10.2023	Monitor Lizard (0:0:1:1)	Vill- Joarkol, Shyampur, Howrah.	–	06.11.2023	–
286	01.11.2023	Cobra (0:0:1:1)	Vill- Baragram, Shyampur, Howrah.	–	06.11.2023	–
287	01.11.2023	Russell Viper (0:0:1:1)	Vill- Syedpur, Shyampur, Howrah.	–	06.11.2023	–
288	02.11.2023	Cobra (0:0:1:1)	Vill- Chhownap ur, Shyampur, Howrah.	–	06.11.2023	–
289	02.11.2023	Cobra (0:0:1:1)	Vill- Ranmahal, Uluberia, Howrah.	–	06.11.2023	–
290	02.11.2023	Cobra (0:0:1:1)	Vill- Naowal, Shyampur, Howrah.	–	06.11.2023	–
291	02.11.2023	Rat Snake (0:0:1:1)	Vill- Gugarpur, Shyampur, Howrah.	–	06.11.2023	–
292	02.11.2023	Gray Langur (1:0:0:1)	Uluberia P.S. Area	–	06.11.2023	–
293	02.11.2023	Fishing Cat (1:0:0:1)	Joypur P.S. Area	–	Dead	–

294	04.11.2023	Gray Langur (1:0:0:1)	Bagnan P.S. Area	–	13.11.2023	–
295	04.11.2023	Golden Jackal (1:0:0:1)	Vill- Baniban, Uluberia, Howrah	–	Dead	–
296	04.11.2023	Russell Viper (0:0:1:1)	Vill- Syedpur, Shyampur, Howrah.	–	13.11.2023	–
297	05.11.2023	Gray Langur (1:0:0:1)	Hoogly Range Area	–	13.11.2023	–
298	05.11.2023	Rhesus Macaque (1:0:0:1)	Hoogly Range Area	–	13.11.2023	–
299	05.11.2023	Softshell turtle (0:0:1:1)	Vill- Sitapur, Shyampur, Howrah.	–	13.11.2023	–
300	05.11.2023	Softshell turtle (0:0:1:1)	Vill- Argor, Shyampur, Howrah.	–	13.11.2023	–
301	06.11.2023	Softshell turtle (0:0:1:1)	Vill- Deowra, Shyampur, Howrah.	–	13.11.2023	–
302	06.11.2023	Gray Langur (1:0:0:1)	Uluberia P.S. Area	–	13.11.2023	–
303	07.11.2023	Egg of Turtle - 14 pcs.	Shyampur, P.S. Area	–	–	–
304	07.11.2023	Gray Langur (1:0:0:1)	Uluberia P.S. Area	–	13.11.2023	–
305	08.11.2023	Fish Owl (0:0:1:1)	Vill- Panchserap ara, Shyampur, Howrah.	–	13.11.2023	–
306	09.11.2023	Himalayan Crestless Porcupine (0:0:1:1)	Vill- Bakshi, Bagnan, Howrah	–	Dead	–

307	09.11.2023	Softshell turtle (0:0:1:1)	Vill- Rana, Shyampur, Howrah.	-	13.11.2023	-
308	09.11.2023	Barn Owl (0:0:1:1)	Uluberia P.S. Area	-	13.11.2023	-
309	09.11.2023	Gray Langur (1:0:0:1)	Uluberia P.S. Area	-	13.11.2023	-
310	09.11.2023	Gray Langur (1:0:0:1)	Bagnan P.S. Area	-	13.11.2023	-
311	10.11.2023	Golden Jackal (1:0:0:1)	Vill- Shibganj, Shyampur, Howrah.	-	21.11.2023	-
312	10.11.2023	Cobra (0:0:1:1)	Vill- Rana, Shyampur, Howrah.	-	21.11.2023	-
313	11.11.2023	Grey Langur (2:0:0:2)	Hoogly Range Area	-	21.11.2023	-
314	11.11.2023	Fishing Cat (1:0:0:1)	Vill- Khalna, Bagnan, Howrah.	-	Dead	-
315	12.11.2023	Cobra (0:0:1:1)	Vill- Pipulen, Shyampur, Howrah.	-	21.11.2023	-
316	12.11.2023	Cobra (0:0:1:1)	Vill- Gohaldaha, Shyampur, Howrah.	-	21.11.2023	-
317	12.11.2023	Russell Viper (0:0:1:1)	Vill- Deuli, Shyampur, Howrah.	-	21.11.2023	-
318	12.11.2023	Gray Langur (1:0:0:1)	Vill- Aynapara, Shyampur, Howrah.	-	21.11.2023	-
319	12.11.2023	Jungle Cat (1:0:0:1)	Vill- Jagadishpur , Uluberia, Howrah.	-	21.11.2023	-

320	13.11.2023	Fishing Cat (1:0:0:1)	Vill- Radhapur, Shyampur, Howrah.	–	21.11.2023	–
321	13.11.2023	Grey-headed swamphen (0:0:1:1)	Vill- Kalinagar, Uluberia, Howrah.	–	21.11.2023	–
322	13.11.2023	Softshell Turtle (0:0:1:1)	Vill- Khapara, Shyampur, Howrah.	–	21.11.2023	–
323	13.11.2023	Gray Langur (1:0:0:1)	Howrah Urban Area	–	26.11.2023	–
324	13.11.2023	Gray Langur (1:0:0:1)	Vill- Ranihati, Panchla, Howrah.	–	26.11.2023	–
325	14.11.2023	Cobra (0:0:1:1)	Vill- Panchgachi a, Shyampur, Howrah.	–	26.11.2023	–
326	14.11.2023	Black Kite (0:0:1:1)	Uluberia P.S. Area	–	21.11.2023	–
327	15.11.2023	Fishing Cat (1:0:0:1)	Bagnan P.S. Area	–	Dead	–
328	15.11.2023	Gray Langur (1:0:0:1)	Vill- Jadurberia, Rajapur, Howrah.	–	26.11.2023	–
329	17.11.2023	Gray Langur (1:0:0:1)	Vill- Ranihati, Panchla, Howrah.	–	21.11.2023	–
330	17.11.2023	Fishing Cat (1:0:0:1)	Vill- Vatoria, Bagnan, Howrah.	–	Dead	–
331	20.11.2023	Gray Langur (1:0:0:1)	Uluberia P.S. Area	–	26.11.2023	–

332	20.11.2023	Gray Langur (1:0:0:1)	Howrah Urban Area	–	26.11.2023	–
333	20.11.2023	i) Rhesus Macaque (1:0:0:1) ii) Softshell Turtle (0:0:1:1) iii) Russell Viper (0:0:1:1)	Howrah Urban Area	–	26.11.2023	–
334	22.11.2023	Gray Langur (1:0:0:1)	Howrah Urban Area	–	Dead	–
335	22.11.2023	Gray Langur (1:0:0:1)	Howrah Urban Area	–	26.11.2023	–
336	23.11.2023	Jungle Cat (1:0:0:1)	Vill- Danpetia, Shyampur, Howrah.	–	26.11.2023	–
337	23.11.2023	Gray Langur (1:0:0:1)	Vill- Latibpur, Uluberia, Howrah.	–	26.11.2023	–
338	23.11.2023	Gray Langur (1:0:0:1)	Vill- Bakshi, Bagnan, Howrah	–	26.11.2023	–
339	25.11.2023	Gray Langur (1:1:0:2)	Uluberia P.S. Area	–	3.12.2023	–
340	25.11.2023	Barn Owl (0:0:1:1)	Vill- Jamberia, Uluberia, Howrah.	–	3.12.2023	–
341	25.11.2023	i) Rose-ringed Parakeet (0:0:1:1) ii) Barn Owl (0:0:1:1) iii) Black Kite (0:0:1:1) iv) Gray	Hoogly Range Area	–	3.12.2023	–

		Langur (0:1:0:1)				
342	25.11.2023	Monitor Lizard (0:0:1:1)	Panchla P.S. Area	–	3.12.2023	–
343	26.11.2023	Softshell Turtle (0:0:1:1)	Vill- Mukundap ur, Shyampur, Howrah.	–	3.12.2023	–
344	26.11.2023	Softshell Turtle (0:0:1:1)	Vill- Bhagwanpu r, Shyampur, Howrah.	–	3.12.2023	–
345	27.11.2023	Russell Viper (0:0:1:1)	Vill- Ghuguberia , Shyampur, Howrah	–	3.12.2023	–
346	27.11.2023	Fishing Cat (1:0:0:1)	Hoogly Range Area	–	3.12.2023	–
347	27.11.2023	Jungle cat (1:0:0:1)	Vill- Bhagwanpu r, Shyampur, Howrah.	–	Dead	–
348	28.11.2023	Gray Langur (1:0:0:1)	Bagnan P.S. Area	–	3.12.2023	–
349	28.11.2023	Gray Langur (1:0:0:1)	Vill- Baidyanath pur, Bagnan, Howrah	–	3.12.2023	–
350	29.11.2023	Softshell Turtle (0:0:1:1)	Vill- Bhatpara, Shyampur, Howrah.	–	3.12.2023	–

351	01.12.2023	White-throated kingfisher (0:0:1:1)	Vill- Deuli, Shyampur, Howrah.	-	18.12.2023	-
352	02.12.2023	i) Rhesus Macaque (1:0:0:1) ii) Connon Egret (0:0:1:1) iii) Barn Owl (0:0:1:1) iv) Gray Langur (1:0:0:1)	Hoogly Range Area	-	18.12.2023	-
353	02.12.2023	Gray Langur (1:0:0:1)	Howrah Urban Area	-	18.12.2023	-
354	03.12.2023	Purple Heron (0:0:1:1)	Vill- Khalna, Amta, Howrah.	-	17.12.2023	-
355	03.12.2023	Black Kite (0:0:1:1)	Vill- Kochuberia, Bagnan, Howrah	-	17.12.2023	-
356	06.12.2023	i) Rhesus Macaque (1:0:0:1) ii) Fishing Cat (1:0:0:1)	Howrah Urban Area	-	18.12.2023	-
357	06.12.2023	Russell Viper (0:0:1:1)	Vill- Kultia, Shyampur, Howrah.	-	17.12.2023	-
358	06.12.2023	Cobra (0:0:1:1)	Vill- Sitapur, Shyampur, Howrah.	-	17.12.2023	-
359	06.12.2023	Fishing Cat (1:0:0:1)	Uluberia P.S. Area	-	Dead	-

360	06.12.2023	Himalayan Crestless Porcupine (0:0:1:1)	Vill- Madhabpur , Shyampur, Howrah.	-	17.01.2023	-
361	08.12.2023	Gray Langur - (2:0:0:2)	Hoogly Range Area	-	18.12.2023	-
362	08.12.2023	Softshell Turtle (0:0:1:1)	Vill- Nabagram, Shyampur, Howrah.	-	18.12.2023	-
363	10.12.2023	Gray Langur (0:1:0:1)	Vill- Demollogh at, Shyampur, Howrah.	-	18.12.2023	-
364	12.12.2023	Chicks of Barn Owl - 05 nos.	Howrah Urban Area	-	-	Kept in Rescue center; Not fit to release in the wild
365	12.12.2023	Gray Langur (1:0:0:1)	Vill- Gobindapur , Shyampur, Howrah.	-	18.12.2023	-
366	12.12.2023	Gray Langur (1:0:0:1)	Bagnan P.S. Area	-	Dead	-
367	12.12.2023	Asian Plam Civet (0:0:1:1)	Vill- Bhuberia, Bagnan, Howrah	-	18.12.2023	-
368	13.12.2023	Gray Langur (1:0:0:1)	Panchla P.S. Area	-	18.12.2023	-
369	14.12.2023	Russell Viper (0:0:1:1)	Vill- Deuli, Shyampur, Howrah.	-	24.12.2023	-
370	14.12.2023	Gray Langur (1:0:0:1)	Bagnan P.S. Area	-	24.12.2023	-

371	16.12.2023	Monitor Lizard (0:0:1:1)	Uluberia P.S. Area	-	24.12.2023	-
372	16.12.2023	i) Barn Owl (0:0:1:1) ii) Black Kite (0:0:1:1) iii) Gray Langur (1:0:0:1)	Howrah Urban Area	-	24.12.2023	-
373	16.12.2023	Fishing Cat (1:0:0:1)	Vill- Jamtia, Joypur, Howrah.	-	Dead	-
374	16.12.2023	Cobra (0:0:2:2)	Vill- Belari, Shyampur, Howrah.	-	24.12.2023	-
375	17.12.2023	Cobra (0:0:4:4)	Vill- Belari, Shyampur, Howrah.	-	24.12.2023	-
376	17.12.2023	Rose-ringed Parakeet (0:1:0:1)	Vill- Sitapur, Shyampur, Howrah.	-	24.12.2023	-
377	17.12.2023	Gray Langur (1:0:0:1)	Uluberia P.S. Area	-	24.12.2023	-
378	18.12.2023	Gray Langur (1:0:0:1)	Vill- Mahespur, Uluberia, Howrah.	-	24.12.2023	-
379	18.12.2023	Barn Owl (0:0:1:1)	Vill- Tulsiberia, Rajapur, Howrah.	-	24.12.2023	-
380	19.12.2023	Fishing Cat (1:0:0:1)	Vill- Motherberia, Shyampur, Howrah.	-	24.12.2023	-

381	19.12.2023	Asian Plam Civet (0:0:1:1)	Vill- Baranagar, Shyampur, Howrah.	-	24.12.2023	-
382	20.12.2023	Golden Jackal (1:0:0:1)	Vill- Jadurberia, Rajapur, Howrah.	-	Dead	-
383	21.12.2023	Fishing Cat (1:0:0:1)	Vill- Ichapur, Shyampur, Howrah.	-	31.12.2023	-
384	22.12.2023	Fishing Cat (1:0:0:1)	Vill- Kalinagar, Uluberia, Howrah.	-	31.12.2023	-
385	23.12.2023	Fishing Cat (1:0:0:1)	Vill- Kanjiakhali , Uluberia, Howrah.	-	17.01.2023	-
386	23.12.2023	Barn Owl (0:0:1:1)	Vill- Tulsiberia, Rajapur, Howrah.	-	31.12.2023	-
387	23.12.2023	Barn Owl (Chick - 04 nos.)	Vill- Kajiaghat, Bagnan, Howrah.	-	-	Not fit to release in the wild
388	24.12.2023	i) Gray Langur (1:0:0:1) ii) Black Kite (0:0:1:1)	Howrah Urban Area	-	31.12.2023	-
389	25.12.2023	Gray Langur (1:0:0:1)	Howrah Urban Area	-	31.12.2023	-
390	25.12.2023	Softshell Turtle (0:0:1:1)	Vill- Dhaja, Shyampur, Howrah.	-	31.12.2023	-
391	25.12.2023	Barn Owl (0:0:1:1)	Uluberia P.S. Area	-	31.12.2023	-
392	28.12.2023	Barn Owl (0:0:1:1)	Uluberia P.S. Area	-	11.01.2024	-

393	29.12.2023	Softshell Turtle (0:0:1:1)	Vill- Middyapara, Shyampur, Howrah	-	11.01.2024	-
394	30.12.2023	Barn Owl - (0:0:2:2)	Uluberia P.S. Area	-	11.01.2024	-
395	30.12.2023	i) Barn Owl (0:0:3:3) ii) Gray Langur (2:0:0:2) iii) Black Kite (0:0:1:1)	Howrah Urban Area	-	11.01.2024	-
396	30.12.2023	Gray Langur (1:0:0:1)	Vill - Basudebpur , Uluberia, Howrah	-	11.01.2024	-
397	31.12.2023	Gray Langur (1:0:0:1)	Vill - Chakramel a, Bagnan, Howrah	-	Dead	-
398	01.01.2024	Fishing Cat (1:0:0:1)	Vill- Brindabanp ur, Uluberia, Hoerah.	-	17.01.2023	-
399	01.01.2024	Softshell Turtle (0:0:1:1)	Vill- Hippur, Shyampur, Howrah	-	11.01.2024	-
400	01.01.2024	Asian Civet (1:0:0:1)	Vill- Mallickpar a, Rajapur, Howrah.	-	11.01.2024	-
401	01.01.2024	Barn Owl (0:0:1:1)	Vill- Bagnan, P.S.- Bagnan, Howrah.	-	17.01.2023	-

402	04.01.2024	Softshell Turtle (0:0:1:1)	Vill- Durgapur, Shyampur, Howrah	–	11.01.2024	–
403	05.01.2024	Barn Owl (0:0:1:1)	Vill- Basudebpur , Rajapur, Howrah.	–	Dead	–
404	05.01.2024	Gray Langur (1:0:0:1)	Vill- Gangadhar pur, Panchla, Howrah.	–	17.01.2023	–
405	05.01.2024	Softshell Turtle (0:0:1:1)	Vill- Poltaperia, Shyampur, Howrah.	–	11.01.2024	–
406	06.01.2024	Fishing Cat (1:0:0:1)	Vill- Ichapur, Shyampur, Howrah.	–	28.01.2024	–
407	06.01.2024	Black Kite (0:0:1:1)	Uluberia P.S. Area	–	17.01.2023	–
408	06.01.2024	Gray Langur (1:0:0:1)	Hoogly Range Area	–	17.01.2023	–
409	06.01.2024	i) Rhesus Macaque (1:0:0:1) ii) Gray Langur (1:0:0:1) iii) Barn Owl (0:0:1:1)	Howrah Urban Area	–	17.01.2023	–
410	07.01.2024	Fishing Cat (0:1:0:1)	Vill- Nowpara, Amta, Howrah	–	17.01.2023	–
411	07.01.2024	Jungle Cat (1:0:0:1)	Vill- Bazkul	–	17.01.2023	–

412	08.01.2024	Fishing Cat (1:0:0:1)	Vill- Baragram, Shyampur, Howrah.	–	Dead	–
413	09.01.2024	i) Gray Langur (1:0:0:1) ii) Black Kite (0:0:1:1) iii) Purple Swamphen (0:0:1:1) iv) Softshell Turtle (0:0:1:1)	Hoogly Range Area	–	28.01.2024	–
414	09.01.2024	i) Gray Langur (1:0:0:1) ii) Asian Palm Civet (1:0:0:1)	Vill- Bauria, P.S.- Bauria, Howrah	–	28.01.2024	–
415	11.01.2024	Black Kite (0:0:1:1)	Uluberia P.S. Area	–	28.01.2024	–
416	11.01.2024	i) Gray Langur (1:1:0:2) ii) Himalayan Porcupine (0:0:1:1)	Howrah Urban Area	–	28.01.2024	–
417	12.01.2024	Asian Palm Civet (1:0:0:1)	Vill- Dhulasimla , Uluberia, Howrah.	–	28.01.2024	–
418	14.01.2024	Gray Langur (1:0:0:1)	Vill- Paniyara, Panchla, Howrah.	–	28.01.2024	–
419	14.01.2024	Gray Langur (1:0:0:1)	Vill- Latibpur, Uluberia, Howrah.	–	28.01.2024	–
420	14.01.2024	Fishing Cat (1:0:0:1)	Bagnan P.S. Area	–	Dead	–

421	15.01.2024	Cattle Egret - (0:0:2:2)	Amta P.S. Area	-	28.01.2024	-
422	16.01.2024	Fishing Cat (1:0:0:1)	Vill- Ranihati, Panchla, Howrah.	-	Dead	-
423	16.01.2024	Gray Langur (1:0:0:1)	Bagnan P.S. Area	-	28.01.2024	-
424	17.01.2024	Barn Owl (0:0:1:1)	Uluberia P.S. Area	-	28.01.2024	-
425	17.01.2024	Gray Langur (1:0:0:1)	Uluberia P.S. Area	-	28.01.2024	-
426	17.01.2024	Asian Palm Civet (0:0:1:1)	Bagnan P.S. Area	-	28.01.2024	-
427	18.01.2024	Gray Langur (1:0:0:1)	Bagnan P.S. Area	-	28.01.2024	-
428	18.01.2024	Gray Langur (0:0:1:1)	Vill- Bakshi, Bagnan, Howrah	-	28.01.2024	-
429	19.01.2024	Barn Owl (0:0:1:1)	Vill- Bagnan, P.S.- Bagnan, Howrah.	-	28.01.2024	-
430	19.01.2024	Barn Owl (0:0:1:1)	Vill- Chandanpu r, Shyampur, Howrah.	-	28.01.2024	-
431	19.01.2024	Gray Langur (1:0:0:1)	Jagatpur, Uluberia, Howrah	-	Dead	-
432	19.01.2024	Common quail (0:0:1:1)	Bagnan P.S. Area	-	28.01.2024	-
433	20.01.2024	Asian Palm Civet (0:0:1:1)	Vill- Birshibpur, Uluberia, Howrah.	-	28.01.2024	-

434	20.01.2024	Gray Langur (1:1:0:2)	Howrah Urban Area	–	28.01.2024	–
435	20.01.2024	Gray Langur (1:0:0:1)	Vill- Paniyara, Panchla, Howrah.	–	28.01.2024	–
436	20.01.2024	Asian Palm Civet (0:0:1:1)	Bagnan P.S. Area	–	28.01.2024	–
437	23.01.2024	Fishing Cat (1:0:0:1)	Vill- Matapara, Shyampur, Howrah.	–	12.02.2024	–
438	23.01.2024	Black Kite (0:0:1:1)	Vill- Kalinagar, Uluberia, Howrah.	–	12.02.2024	–
439	23.01.2024	Barn Owl (0:0:1:1)	Vill- Tapna, Uluberia, Howrah.	–	12.02.2024	–
440	24.01.2024	Barn Owl (0:0:1:1)	Vill- Deshantari, Shyampur, Howrah.	–	12.02.2024	–
441	24.01.2024	Barn Owl (0:0:1:1)	Vill- Gadiarah, Shyampur, Howrah.	–	12.02.2024	–
442	24.01.2024	i) Fishing Cat (1:0:0:1) ii) Barn Owl (0:0:1:1)	Hoogly Range Area	–	12.02.2024	–
443	24.01.2024	Gray Langur (1:0:0:1)	Bagnan P.S. Area	–	12.02.2024	–
444	24.01.2024	Black Kite (0:0:1:1)	Vill- Fuleswar, Uluberia, Howrah.	–	12.02.2024	–

445	25.01.2024	Fishing Cat (1:0:0:1)	Vill- Dhandali, Shyampur, Howrah.	–	12.02.2024	–
446	25.01.2024	Jungle Cat (1:0:0:1)	Bagnan P.S. Area	–	12.02.2024	–
447	25.01.2024	Gangetic Dolphin (0:0:1:1)	Vill- Bakshi, Bagnan, Howrah	–	Dead	–
448	26.01.2024	Gray Langur (1:0:0:1)	Vill- Bagnan, P.S.- Bagnan, Howrah.	–	12.02.2024	–
449	26.01.2024	Barn Owl (0:0:1:1)	Vill- Banitabla, Uluberia, Howrah.	–	12.02.2024	–
450	26.01.2024	Jungle Cat (1:0:0:1)	Vill- Ramchandr apur, Shyampur, Howrah.	–	12.02.2024	–
451	26.01.2024	Common quail (0:0:1:1)	Vill- Anantapur, Shyampur, Howrah.	–	12.02.2024	–
452	28.01.2024	Asian Palm Civet (1:0:0:1)	Vill- Jagadishpur , Uluberia, Howrah.	–	12.02.2024	–
453	29.01.2024	i)Gray Langur (2:0:0:2)	Hoogly Range Area	–	12.02.2024	–
454	30.01.2024	Golden Jackal (1:0:0:1)	Vill- Deuli, Shyampur, Howrah.	–	Dead	–
455	31.01.2024	Common Dove (0:0:1:1)	Uluberia P.S. Area	–	12.02.2024	–

456	31.01.2024	Gray Langur (1:0:0:1)	Vill- Nalpur, Sankrail, Howrah	–	12.02.2024	–
457	31.01.2024	Gray Langur (1:0:0:1)	Vill- Joargori, Rajapur, Howrah.	–	12.02.2024	–
458	01.02.2024	Gray Langur (1:0:0:1)	Bagnan P.S. Area	–	12.02.2024	–
459	02.02.2024	i) Gray Langur (0:2:0:2) ii) Black Kite (0:0:1:1)	Howrah Urban Area	–	12.02.2024	–
460	02.02.2024	Barn Owl (0:0:1:1)	Vill- Ramchandrapur, Shyampur, Howrah.	–	12.02.2024	–
461	02.02.2024	Rose-ringed Parakeet (0:0:1:1)	Vill- Andul, Sankrail, Howrah.	–	12.02.2024	–
462	02.02.2024	Gray Langur (1:0:0:1)	Panchla P.S. Area	–	Dead	–
463	03.02.2024	Asian Palm Civet (0:0:1:1)	Kantaberia, Shyampur, Howrah.	–	12.02.2024	–
464	03.02.2024	Fishing Cat (1:0:0:1)	Howrah Urban Area	–	12.02.2024	–
465	04.02.2024	i) Gray Langur (1:0:0:1) ii) Barn Owl (0:0:1:1)	Vill- Fuleswar, Uluberia, Howrah.	–	12.02.2024	–
466	05.02.2024	Asian Palm Civet (0:0:1:1)	Vill- Vatoriah, Bagnan, Howrah.	–	12.02.2024	–
467	05.02.2024	Asian Palm Civet (0:0:1:1)	Uluberia P.S. Area	–	12.02.2024	–

468	06.02.2024	Barn Owl (0:0:1:1)	Vill- Deora, Shyampur, Howrah.	-	12.02.2024	-
469	06.02.2024	Gray Langur (1:0:0:1)	Vill- Baidyanath pur, Bagnan, Howrah	-	Dead	-
470	07.02.2024	Asian Palm Civet (0:0:1:1)	Vill- Kamalpur, Shyampur, Howrah.	-	12.02.2024	-
471	09.02.2024	Asian Palm Civet (0:0:1:1)	Vill- Gazipur, Shyampur, Howrah.	-	12.02.2024	-
472	10.02.2024	Gray Langur (1:0:0:1)	Vill- Kalyanpur, Bagnan, Howrah.	-	Dead	-
473	10.02.2024	Jungle Cat (2:1:0:3)	Vill- Jadurberia, Rajapur, Howrah.	-	29.02.2024	-
474	10.02.2024	Asian Palm Civet (0:0:1:1)	Vill- Deora, Shyampur, Howrah.	-	29.02.2024	-
475	10.02.2024	Softshell Turtle (0:0:1:1)	Vill- Catra, Shyampur, Howrah.	-	29.02.2024	-
476	11.02.2024	i) Gray Langur (1:0:0:1) ii) Asian Palm Civet (0:0:1:1)	Hoogly Range Area	-	29.02.2024	-
477	11.02.2024	Barn Owl (0:0:1:1)	Vill- Hoglassi, Shyampur, Howrah.	-	29.02.2024	-

478	13.02.2024	i) Gray Langur (1:2:0:3) ii) Asian Palm Civet (0:0:1:1)	Hoogly Range Area	–	29.02.2024	–
479	15.02.2024	Black Kite (0:0:1:1)	Vill- Deshantari, Shyampur, Howrah.	–	29.02.2024	–
480	15.02.2024	Fishing Cat (1:0:0:1)	Vill- Hatkhola, Shyampur, Howrah.	–	Dead	–
481	16.02.2024	Jungle Cat (1:1:0:2)	Vill- Ulughata, Shyampur, Howrah.	–	29.02.2024	–
482	16.02.2024	Gray Langur (1:0:0:1)	Howrah Urban Area	–	Dead	–
483	16.02.2024	Black Kite (0:0:1:1)	Uluberia P.S. Area	–	29.02.2024	–
484	16.02.2024	Gray Langur (1:0:0:1)	Vill- Kalyanpur, Bagnan, Howrah.	–	29.02.2024	–
485	17.02.2024	Jungle Cat (1:2:0:3)	Vill- Somrukhut, Uluberia, Howrah.	–	29.02.2024	–
486	18.02.2024	Rat Snake (0:0:1:1)	Bargarchu muk, Shyampur, Howrah.	–	29.02.2024	–
487	18.02.2024	Fishing Cat (1:0:0:1)	Hoogly Range Area	–	29.02.2024	–
488	18.02.2024	Softshell Turtle (0:0:1:1)	Public Given	–	29.02.2024	–
489	19.02.2024	Gangetic Dolphin (0:0:1:1)	Joypur P.S. Area	–	Dead	–

490	20.02.2024	Softshell Turtle (0:0:1:1)	Vill-Pratappur, Shyampur, Howrah.	–	29.02.2024	–
491	20.02.2024	Gray Langur (1:0:0:1)	Vill- Iyma Gagankole, Shyampur, Howrah.	–	29.02.2024	–
492	20.02.2024	Gray Langur (1:0:0:1)	Bauria P.S. Area	–	29.02.2024	–
493	20.02.2024	Himalayan Crestless Porcupine (0:0:1:1)	Vill- Deulpur, Shyampur, Howrah.	–	29.02.2024	–
494	21.02.2024	Gray Langur (1:0:0:1)	Howrah Urban Area	–	06.03.2024	–
495	22.02.2024	Rhesus Macaque (1:0:0:1)	Hoogly Range Area	–	06.03.2024	–
496	22.02.2024	Jungle Cat (Kitten) (1:0:0:1)	Vill- Raotara, Shyampur, Howrah.	–	–	Not fit to release in the wild
497	22.02.2024	Softshell Turtle (0:0:3:3)	Vill- Baragram, Shyampur, Howrah.	–	06.03.2024	–
498	23.02.2024	Night Heron (0:0:2:2)	Public Given	–	12.03.2024	–
499	23.02.2024	Gray Langur (1:0:0:1)	Bagnan P.S. Area	–	Dead	–
500	23.02.2024	Gray Langur (1:0:0:1)	Bagnan P.S. Area	–	12.03.2024	–
501	24.02.2024	Golden Jackal (1:0:0:1)	Vill- Gureparah, Shyampur, Howrah.	–	Dead	–
502	26.02.2024	Fishing Cat (1:0:0:1)	Vill- Chak Belkulai, Uluberia, Howrah.	–	12.03.2024	–

503	26.02.2024	Barn Owl (0:0:1:1)	Vill- Bangalpur, Bagnan, Howrah.	–	12.03.2024	–
504	26.02.2024	Gray Langur (1:0:0:1)	Vill- Mankur, Bagnan, Howrah.	–	12.03.2024	–
505	26.02.2024	Gray Langur (1:0:0:1)	Vill- Mugkalyan pur, Amta, Howrah.	–	12.03.2024	–
506	27.02.2024	Jungle Cat (1:0:0:1)	Vill- Marshal, Shyampur, Howrah.	–	12.03.2024	–
507	29.02.2024	Softshell Turtle (0:0:1:1)	Vill- Maju, Joypur, Howrah.	–	12.03.2024	–
508	29.02.2024	Monitor Lizard (0:0:1:1)	Vill- Chandipur, Shyampur, Howrah.	–	12.03.2024	–
509	01.03.2024	Gray Langur (0:0:1:1)	Uluberia P.S. Area	–	Dead	–
510	01.03.2024	Barn Owl (0:0:2:2)	Uluberia P.S. Area	–	12.03.2024	–
511	03.03.2024	Rose-ringed Parakeet (0:0:1:1)	Vill- Bauria, P.S.- Bauria, Howrah	–	12.03.2024	–
512	03.03.2024	Barn Owl (0:0:1:1)	Vill- Tapna, Bagnan, Howrah.	–	12.03.2024	–
513	03.03.2024	Night Heron (0:0:1:1)	Uluberia P.S. Area	–	12.03.2024	–
514	03.03.2024	Asian Palm Civet (0:0:1:1)	Vill- Paschim Gazipur,	–	Dead	–

			Amta, Howrah.			
515	03.03.2024	Gray Langur (1:0:0:1)	Vill- Uttar vatoria, Amta, Howrah.	-	Dead	-
516	04.03.2024	Barn Owl (0:0:2:2)	Vill- Saiberia, Amta, Howrah.	-	12.03.2024	-
517	04.03.2024	Rhesus Macaque (1:0:0:1)	Hoogly Range Area	-	12.03.2024	-
518	05.03.2024	Barn Owl (0:0:1:1)	Vill- Belpukur, Shyampur, Howrah.	-	27.03.2024	-
519	07.03.2024	Himalayan Crestless Porcupine (0:0:1:1)	Vill- Bakshi, Bagnan, Howrah	-	27.03.2024	-
520	08.03.2024	Gray Langur (0:0:1:1)	Howrah Urban Area	-	27.03.2024	-
521	09.03.2024	Asian Palm Civet (0:0:1:1)	Vill- Belpukur, Shyampur, Howrah.	-	27.03.2024	-
522	09.03.2024	i) Gray Langur (0:0:2:2) ii) Parakeet (0:0:1:1) iii) Barn Owl (0:0:2:2) iv) Night Horen (0:0:1:1) v) Black Kite (0:0:1:1)	Howrah Urban Area	-	27.03.2024	-
523	09.03.2024	Black Kite (0:0:1:1)	Uluberia P.S. Area	-	27.03.2024	-

524	10.03.2024	Black Kite (0:0:1:1)	Uluberia P.S. Area	-	27.03.2024	-
525	11.03.2024	Barn Owl (0:0:1:1)	Uluberia P.S. Area	-	27.03.2024	-
526	12.03.2024	i) Mongoose (0:0:1:1) ii) Black Kite (0:0:1:1)	Uluberia P.S. Area	-	27.03.2024	-
527	12.03.2024	Lesser Adjutant Stork (0:0:1:1)	Howrah Urban Area	-	27.03.2024	-
528	12.03.2024	Night Heron (0:0:1:1)	Vill- Katra, Shyampur, Howrah.	-	27.03.2024	-
529	13.03.2024	Barn Owl (0:0:2:2)	Uluberia P.S. Area	-	27.03.2024	-
530	13.03.2024	Gray Langur (1:0:0:1)	Uluberia P.S. Area	-	27.03.2024	-
531	14.03.2024	Gray Langur (1:0:0:1)	Uluberia P.S. Area	-	27.03.2024	-
532	15.03.2024	i) Gray Langur (1:0:0:1) ii) Koel (0:0:1:1) iii) Asian Palm Civet (0:0:1:1)	Howrah Urban Area	-	27.03.2024	-
533	18.03.2024	i) Indian Flopsheu Turtle - (0:0:6:6) ii) Gray Langur (0:0:2:2) iii) Black Kite (0:0:1:1)	Hoogly Range Area	-	27.03.2024	-
534	19.03.2024	i) Softshell Turtle (0:0:1:1) ii) Gray	Uluberia P.S. Area	-	27.03.2024	-

		Langur (0:0:1:1)				
535	21.03.2024	Gray Langur (1:0:0:1)	Uluberia P.S. Area	–	27.03.2024	–
536	21.03.2024	Gray Langur (1:0:0:1)	Howrah Urban Area	–	27.03.2024	–
537	23.03.2024	Asian Palm Civet (0:0:1:1)	Vill- Narkelbar, Shyampur, Howrah.	–	27.03.2024	–
538	23.03.2024	i) Black Kite (0:0:1:1) ii) Softshell Turtle (0:0:1:1)	Uluberia P.S. Area	–	27.03.2024	–
539	24.03.2024	Cobra (0:0:1:1)	Vill- Bazri, Shyampur, Howrah.	–	27.03.2024	–
540	24.03.2024	Gray Langur (1:0:0:1)	Uluberia P.S. Area	–	13.04.2024	–
541	24.03.2024	Common Palm Civet (0:0:1:1)	Vill- Narit, Amta, Howrah.	–	13.04.2024	–
542	25.03.2024	Gray Langur (1:0:0:1)	Vill- Gangaramp ur, Uluberia, Howrah.	–	13.04.2024	–
543	25.03.2024	Monitor Lizard (0:0:1:1) Gray Langur (0:0:4:4)	Vill- Takipara, Amta, Howrah.	–	Dead	–
544	26.03.2024	Indian Flapsell Turtle (0:0:1:1) Gray Langur (0:0:54:54)	Hoogly Range Area	–	13.04.2024	–

545	26.03.2024	Fishing Cat (1:0:0:1)	Vill- Jagadishpur , Uluberia, Howrah.	-	Dead	-
546	27.03.2024	Gray Langur (1:0:0:1)	Vill- Sashati, Shyampur, Howrah.	-	13.04.2024	-
547	27.03.2024	Barn Owl (0:0:1:1)	Vill- Ganeshpur, Shyampur, Howrah.	-	13.04.2024	-
548	29.03.2024	Rat Snake (0:0:1:1)	Vill- Biswanath ur, Shyampur, Howrah.	-	13.04.2024	-
549	31.03.2024	Gray Langur (1:0:0:1)	Vill- Kushberia, Amta, Howrah.	-	13.04.2024	-

26. Annual Inventory of the Animals

FORM-II
[See rule 11 (1)]

PART - A
Gar Chumuk (Ulughata) Deer Park, Howrah, West Bengal
Proforma for Annual Inventory Report
Inventory Report for the Year : 2023-2024

Endangered Species*

- Modified Closing Balance

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2023)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2024)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
Aves																						
1.	Indian Peafowl	<i>Pavo cristatus</i>	2	2	0	4	0	0	0	1	0	0	0	0	0	0	3	2	0	0	0	0
Total Aves		1	2	2	0	4	0	0	0	1	0	0	0	0	0	0	3	2	0	0	0	0
Mammalia																						
1.	Jungle Cat	<i>Felis chaus</i>	3	2	0	5	0	0	0	2	2	0	1	1	0	2	2	0	2	1	0	3
2.	Himalayan Porcupine	<i>Hystrix brachyura</i>	2	2	2	6	1	0	2	0	0	1	0	0	0	0	0	0	3	2	5	10
3.	# Fishing Cat	<i>Prionailurus viverrinus</i>	6	9	2	17	0	0	0	4	0	0	0	0	0	2	0	0	9	10	0	19
Total Mammalia		3	11	13	4	28	1	0	2	6	2	1	1	1	0	4	2	0	14	13	5	32
Reptilia																						
1.	Marsh Crocodile	<i>Crocodylus palustris</i>	2	4	0	6	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	6
2.	Black Pond Turtle, Spotted pond turtle	<i>Geoclemys hamiltonii</i>	0	0	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2023)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2024)					
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T		
3.	Indian flapshell turtle	<i>Lissemys punctata</i>	158	219	104	481	0	0	0	0	0	0	100	100	0	0	0	0	0	0	58	119	104	281
4.	Indian Softshell Turtle, Ganges Softshell Turtle	<i>Nilssonina gangetica</i>	0	0	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11
5.	Peacock Softshell Turtle	<i>Nilssonina hurum</i>	1	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	3
6.	Indian Tent Turtle	<i>Pangshura tecta</i>	0	0	14	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	14
7.	Burmese Python	<i>Python bivittatus</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
8.	Indian Rock Python	<i>Python molurus</i>	2	2	0	4	0	0	0	0	0	3	0	0	0	0	2	0	2	0	2	0	3	5
Total Reptilia	8		163	225	137	525	0	0	0	0	0	4	100	100	0	0	2	0	63	123	141	327		
Total			176	240	141	557	1	0	2	7	2	5	101	101	0	7	6	0	77	136	146	359		

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

Curator (Animals)


Director

PART - B
Gar Chumuk (Ulughata) Deer Park, Howrah, West Bengal
Proforma for Annual Inventory Report
Inventory Report for the Year : 2023-2024

Other than Endangered Species*

- Modified Closing Balance

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2023)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2024)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
Aves																						
1.	Fischer's Lovebird	<i>Agapornis fischeri</i>	0	0	8	8	0	0	9	0	0	0	0	0	10	0	0	3	0	0	4	4
2.	Lilian's Lovebird, Nyasa Lovebird	<i>Agapornis lilianae</i>	0	0	7	7	0	0	7	0	0	0	0	0	10	0	0	0	0	0	4	4
3.	Black-masked Lovebird, Masked Lovebird, Yellow-collared Lovebird	<i>Agapornis personatus</i>	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2023)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2024)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
4.	Peach-faced Lovebird, Rosy-faced Lovebird	<i>Agapornis roseicollis</i>	0	0	5	5	0	0	11	0	0	0	0	0	7	0	0	0	0	0	9	9
5.	# Swan Goose	<i>Anser cygnoides</i>	1	1	5	7	0	0	12	0	0	0	0	0	0	1	0	0	3	5	10	18
6.	# Blue-and-gold Macaw, Blue-and-yellow Macaw	<i>Ara ararauna</i>	2	0	4	6	0	0	0	0	0	0	0	0	0	0	0	3	3	0	6	
7.	Green-winged Macaw, Red-and-green Macaw	<i>Ara chloropterus</i>	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	3	1	0	4	
8.	# Umbrella Cockatoo, White Cockatoo	<i>Cacatua alba</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
9.	Muscovy Duck	<i>Cairina moschata</i>	1	1	0	2	1	7	7	0	0	0	0	0	0	0	3	2	2	5	5	12
10.	Lady Amherst's Pheasant	<i>Chrysolophus amherstiae</i>	2	1	0	3	0	0	0	2	1	0	0	0	0	2	0	0	2	2	0	4
11.	Golden Pheasant	<i>Chrysolophus pictus</i>	2	3	0	5	0	0	0	2	0	0	0	0	3	0	2	2	0	4		
12.	Domestic Pigeon	<i>Columba livia domestica</i>	0	0	7	7	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	
13.	# Lesser Whistling Duck	<i>Dendrocygna javanica</i>	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	3	4	0	7	

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2023)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2024)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
14.	# Emu	<i>Dromaius novaehollandiae</i>	1	1	4	6	0	0	2	0	0	0	0	0	0	1	0	3	2	2	7	
15.	# Galah, Roseate Cockatoo	<i>Eolophus roseicapilla</i>	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	2	3	0	5	
16.	Red Junglefowl	<i>Gallus gallus</i>	3	3	0	6	2	2	0	1	1	0	0	0	3	4	0	3	2	0	5	
17.	Diamond Dove	<i>Geopelia cuneata</i>	0	0	20	20	0	0	24	0	0	0	0	0	20	0	0	0	0	24	24	
18.	Palm-nut Vulture, Vulturine Fish-Eagle	<i>Gypohierax angolensis</i>	0	0	0	0	0	0	0	0	4	0	0	0	1	2	0	0	0	1	1	
19.	Java Sparrow	<i>Lonchura oryzivora</i>	0	0	29	29	0	0	10	0	0	0	0	0	10	0	0	0	0	29	29	
20.	Silver Pheasant	<i>Lophura nycthemera</i>	2	3	0	5	0	0	0	2	0	0	0	0	2	3	0	0	2	0	2	
21.	Budgerigar	<i>Melopsittacus undulatus</i>	0	0	65	65	0	0	4	0	0	0	0	0	0	0	28	0	0	41	41	
22.	Violet Turaco	<i>Musophaga violacea</i>	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	2	
23.	Grey-breasted Parakeet, Monk Parakeet, Quaker Parakeet	<i>Myiopsitta monachus</i>	0	0	12	12	0	0	1	0	0	0	0	0	4	0	0	1	0	0	8	8

27. Mortality of Animals

Sl. No	Animal Name	Scientific Name	Sex	Date and time of Death	Cause of Death
1	Budgerigar	<i>Melopsittacus undulates</i>	Unidentified	03.04.23 07:15 am	Due to cardio respiratory failure
2	Budgerigar	<i>Melopsittacus undulates</i>	Unidentified	03.04.23 07:15 am	Due to cardio respiratory failure
3	Budgerigar	<i>Melopsittacus undulates</i>	Unidentified	03.04.23 07:40 am	Due to cardio respiratory failure
4	Budgerigar	<i>Melopsittacus undulates</i>	Unidentified	03.04.23 08:10 am	Due to cardio respiratory failure
5	Zebra Finch	<i>Taeniopygia guttata</i>	Unidentified	09.04.23 07:30 am	Due to cardio respiratory failure
6	Zebra Finch	<i>Taeniopygia guttata</i>	Unidentified	09.04.23 07:30 am	Due to cardio respiratory failure
7	Zebra Finch	<i>Taeniopygia guttata</i>	Unidentified	09.04.23 07:30 am	Due to cardio respiratory failure
8	Zebra Finch	<i>Taeniopygia guttata</i>	Unidentified	09.04.23 09:15 am	Due to cardio respiratory failure
9	Zebra Finch	<i>Taeniopygia guttata</i>	Unidentified	09.04.23 09:40 am	Due to cardio respiratory failure
10	Blossom headed parakeet	<i>Psittacula roseata</i>	Female	14.04.23 07:10 am	Due to cardio respiratory failure
11	Blossom headed parakeet	<i>Psittacula roseata</i>	Female	14.04.23 09:00 am	Due to cardio respiratory failure
12	Budgerigar	<i>Melopsittacus undulates</i>	Unidentified	19.04.23 07:00 am	Due to cardio respiratory failure
13	Budgerigar	<i>Melopsittacus undulates</i>	Unidentified	19.04.23 07:35 am	Due to cardio respiratory failure
14	Budgerigar	<i>Melopsittacus undulates</i>	Unidentified	19.04.23 09:00 am	Due to cardio respiratory failure

15	Green cheeked conure	<i>Pyrrhura molinae</i>	Unidentified	22.04.23 08:00 am	Due to cardio respiratory failure
16	Budgerigar	<i>Melopsittacus undulates</i>	Unidentified	28.04.23 07:15 am	Due to cardio respiratory failure
17	Budgerigar	<i>Melopsittacus undulates</i>	Unidentified	28.04.23 09:50 am	Due to cardio respiratory failure
18	Red Jungle Fowl	<i>Gallus gallus</i>	Female	28.04.23 11:05 am	Due to cardio respiratory failure
19	Zebra Finch	<i>Taeniopygia guttata</i>	Unidentified	02.05.23 06:50 am	Due to cardio respiratory failure
20	Zebra Finch	<i>Taeniopygia guttata</i>	Unidentified	02.05.23 08:25 am	Due to cardio respiratory failure
21	Budgerigar	<i>Melopsittacus undulates</i>	Unidentified	07.05.23 07:00 am	Due to cardio respiratory failure
22	Budgerigar	<i>Melopsittacus undulates</i>	Unidentified	07.05.23 07:05 am	Due to cardio respiratory failure
23	Budgerigar	<i>Melopsittacus undulates</i>	Unidentified	07.05.23 08:40 am	Due to cardio respiratory failure
24	Budgerigar	<i>Melopsittacus undulates</i>	Unidentified	07.05.23 11:30 am	Due to cardio respiratory failure
25	Zebra Finch	<i>Taeniopygia guttata</i>	Unidentified	10.05.23 06:50 am	Due to cardio respiratory failure
26	Zebra Finch	<i>Taeniopygia guttata</i>	Unidentified	10.05.23 06:50 am	Due to cardio respiratory failure
27	Zebra Finch	<i>Taeniopygia guttata</i>	Unidentified	10.05.23 09:15 am	Due to cardio respiratory failure
28	Budgerigar	<i>Melopsittacus undulates</i>	Unidentified	14.05.23 07:15 am	Due to cardio respiratory failure
29	Budgerigar	<i>Melopsittacus undulates</i>	Unidentified	14.05.23 08:50 am	Due to cardio respiratory failure
30	Budgerigar	<i>Melopsittacus undulates</i>	Unidentified	14.05.23 10:35 am	Due to cardio respiratory failure
31	Red Jungle Fowl	<i>Gallus gallus</i>	Female	17.05.23 04:00 pm	Due to cardio respiratory failure
32	Spotted deer	<i>Axis axis</i>	Male	29.05.23 11:20 am	Due to cardio respiratory failure

33	Zebra Finch	<i>Taeniopygia guttata</i>	Unidentified	30.05.23 08:00 am	Due to cardio respiratory failure
34	Spotted Deer	<i>Axis axis</i>	Male	01.06.23.23 07:15 am	Due to cardio respiratory failure
35	Indian Peafowl	<i>Pavo cristatus</i>	Female	01.06.23 08:36 am	Death due to concomitant infection of New Castle Disease (NDV) and E coli
36	Budgerigar	<i>Melopsittacus undulates</i>	Unidentified	03.06.23 09:30 am	Due to cardio respiratory failure
37	Budgerigar	<i>Melopsittacus undulates</i>	Unidentified	03.06.23 11:15 am	Due to cardio respiratory failure
38	Zebra Finch	<i>Taeniopygia guttata</i>	Unidentified	08.06.23 08:00 am	Due to cardio respiratory failure
39	Quaker Parrot	<i>Myiopsitta monachus</i>	Unidentified	09.06.23	Due to cardio respiratory failure
40	Zebra Finch	<i>Taeniopygia guttata</i>	Unidentified	08.06.23 11:40 am	Due to cardio respiratory failure
41	Zebra Finch	<i>Taeniopygia guttata</i>	Unidentified	08.06.23 11:40 am	Due to cardio respiratory failure
42	Budgerigar	<i>Melopsittacus undulates</i>	Unidentified	12.06.23 07:15 am	Due to cardio respiratory failure
43	Budgerigar	<i>Melopsittacus undulates</i>	Unidentified	12.06.23 07:20 am	Due to cardio respiratory failure
44	Budgerigar	<i>Melopsittacus undulates</i>	Unidentified	12.06.23 09:00 am	Due to cardio respiratory failure
45	Zebra Finch	<i>Taeniopygia guttata</i>	Unidentified	16.06.23 08:00 am	Due to cardio respiratory failure
46	Zebra Finch	<i>Taeniopygia guttata</i>	Unidentified	16.06.23 11:20 am	Due to cardio respiratory failure
47	Barking Deer	<i>Muntiacus muntjak</i>	Female	22.06.23 03:30 pm	Due to cardio respiratory failure
48	Spotted Deer	<i>Axis axis</i>	Female	26.06.23 07:15 am	Due to cardio respiratory failure
49	Star Tortoise	<i>Geochelone elegans</i>	Unidentified	30.06.23 03:30 am	Due to cardio respiratory failure

50	Star Tortoise	<i>Geochelone elegans</i>	Unidentified	12.07.23 03:30 am	Due to cardio respiratory failure
51	Chinese Goose	<i>Anser cygnoides</i>	Unidentified	23.07.23 04:30 pm	Due to cardio respiratory failure
52	Fishing cat	<i>Prionailurus viverrinus</i>	Male	25.07.23 07:31 am	Due to cardio respiratory failure
53	Star Tortoise	<i>Geochelone elegans</i>	Unidentified	26.07.23 02:26 pm	Due to cardio respiratory failure
54	Budgerigar (4 no)	<i>Melopsittacus undulates</i>	Unidentified	02.08.23 06:30 am	Drawn in stagnant rain water due to heavy rain caused flooded condition
55	Zebra Finch (8 no)	<i>Taeniopygia guttata</i>	Unidentified	02.08.23 06:35 am	Drawn in stagnant rain water due to heavy rain caused flooded condition
56	Star Tortoise	<i>Geochelone elegans</i>	Unidentified	14.08.23 08:15 pm	Due to cardio respiratory failure
57	Fishing cat	<i>Prionailurus viverrinus</i>	Male	16.08.23 08:07 am	Due to multi organ failure resulting from concomitant infection of Canine Distemper virus, Mycoplasma spp. and Streptococcus aureus.
58	Spotted Deer	<i>Axis axis</i>	Female	21.08.23 05:30 pm	Due to cardio respiratory failure
59	Star Tortoise	<i>Geochelone elegans</i>	Unidentified	03.09.23 07:20 pm	Due to cardio respiratory failure
60	Muscovy Duck	<i>Cairina moschata</i>	Unidentified	12.09.23 05:35 pm	Due to concomitant infection of Duck Viral Enteritis (DVE) and Pasteurella multcida.
61	Muscovy Duck	<i>Cairina moschata</i>	Unidentified	13.09.23 07:30 am	Due to cardio respiratory failure

62	Muscovy Duck	<i>Cairina moschata</i>	Unidentified	16.09.23 06:40 am	Due to cardio respiratory failure
63	Red Jungle Fowl	<i>Gallus gallus</i>	Male	16.09.23 07:50 am	Due to cardio respiratory failure
64	Star Tortoise	<i>Geochelone elegans</i>	Unidentified	23.09.23 07:50 am	Due to cardio respiratory failure
65	Golden Pheasant	<i>Chrysolophus pictus</i>	Female	24.09.23 03:43 pm	Death due to concomitant infection of New Castle Disease Virus (NDV) and <i>Proteus mirabilis</i>
66	Spotted Deer	<i>Axis axis</i>	Female	26.09.23 04:45 pm	Due to cardio respiratory failure
67	Spotted Deer	<i>Axis axis</i>	Male	03.10.23 05:10 pm	Due to cardio respiratory failure
68	Budgerigar (2 no)	<i>Melopsittacus undulates</i>	Unidentified	04.10.23 06:25 am	Drawn in stagnant rain water due to heavy rain caused flooded condition
69	Zebra Finch (13 no)	<i>Taeniopygia guttata</i>	Unidentified	04.10.23 06:30 am	Drawn in stagnant rain water due to heavy rain caused flooded condition
70	Golden Pheasant	<i>Chrysolophus pictus</i>	Female	06.10.23 06:45 am	Death due to concomitant infection of <i>Staphylococcus aureus</i> and <i>Heterakis gallinarum</i> .
71	Star Tortoise	<i>Geochelone elegans</i>	Unidentified	16.10.23 11:20 am	Due to cardio respiratory failure
72	Star Tortoise	<i>Geochelone elegans</i>	Unidentified	16.10.23 02:55 pm	Due to cardio respiratory failure
73	Star Tortoise	<i>Geochelone elegans</i>	Unidentified	03.11.23 03:40 pm	Due to cardio respiratory failure
74	Star Tortoise	<i>Geochelone elegans</i>	Unidentified	17.11.23 10:50 am	Due to cardio respiratory failure

75	Spotted Deer	<i>Axis axis</i>	Female	15.12.23 08:50 am	Due to cardio respiratory failure
76	Star Tortoise	<i>Geochelone elegans</i>	Unidentified	25.12.23 08:20 am	Due to cardio respiratory failure
77	Indian Peafowl	<i>Pavo cristatus</i>	Male	27.12.23 07:50 am	Due to cardio respiratory failure
78	Star Tortoise	<i>Geochelone elegans</i>	Unidentified	10.01.24 03:40 pm	Due to cardio respiratory failure
79	Star Tortoise	<i>Geochelone elegans</i>	Unidentified	22.01.24 07:40 am	Due to cardio respiratory failure
80	Indian Rock Python	<i>Python molurus</i>	Female	26.01.24 11:35 am	Due to cardio respiratory failure from blunt injury
81	Indian Rock Python	<i>Python molurus</i>	Female	10.02.24 09:50 am	Due to cardio respiratory failure
82	Star Tortoise	<i>Geochelone elegans</i>	Unidentified	17.02.24 07:25 am	Due to cardio respiratory failure
83	Silver Pheasant	<i>Lophura nycthemera</i>	Male	23.02.24 08:12 am	Death due to fungal infection.
84	Silver Pheasant	<i>Lophura nycthemera</i>	Female	23.02.24 08:12 am	Death due to fungal infection (<i>Candida</i> spp.)
85	Indian Peafowl	<i>Pavo cristatus</i>	Female	23.02.24 08:15 am	Due to cardio respiratory failure from sharp injury.
86	Indian Peafowl	<i>Pavo cristatus</i>	Female	23.02.24 08:17 am	Death due to asphyxia resulting from injury.
87	Lady Amherst Pheasant	<i>Chrysolophus amherstiae</i>	Male	23.02.24 05:20 pm	Death due to external injury.
88	Lady Amherst Pheasant	<i>Chrysolophus amherstiae</i>	Male	24.02.24 08:05 am	Death due to asphyxia resulting from dislocation of first cervical vertebrae from thoracic vertebrae by injury.

89	Silver Pheasant	<i>Lophura nycthemera</i>	Male	24.02.24 08:11 pm	Death may be due to any viral disease.
90	Silver Pheasant	<i>Lophura nycthemera</i>	Male	24.02.24 08:30 pm	Death due to fungal infection.
91	Red Jungle Fowl	<i>Gallus gallus</i>	Male	25.02.24 04:00 am	Due to cardio respiratory failure.
92	Red Jungle Fowl	<i>Gallus gallus</i>	Female	25.02.24 04:02 am	Due to cardio respiratory failure.
93	Golden Pheasant	<i>Chrysolophus pictus</i>	Female	25.02.24 06:15 am	Death may be due to any viral disease.
94	Indian Peafowl	<i>Pavo cristatus</i>	Male	25.02.24 05:06 am	Death due to fungal infection.
95	Red Jungle Fowl	<i>Gallus gallus</i>	Male	25.02.24 11:10 pm	Death may be due to some viral infection.
96	Red Jungle Fowl	<i>Gallus gallus</i>	Female	26.02.24 04:15 am	Due to cardio respiratory failure.
97	Palm nut vulture	<i>Gypohierax angolensis</i>	Female	27.02.24 07:50 am	Due to cardio respiratory failure.
98	Emu	<i>Dromaius novaehollandiae</i>	Female	27.02.24 08:20 am	Death due to tracheal injury.
99	Silver Pheasant	<i>Lophura nycthemera</i>	Female	28.02.24 06:30 am	Death due to fungal infection
100	Silver Pheasant	<i>Lophura nycthemera</i>	Female	28.02.24 02:10 pm	Death due to fungal infection.
101	Jungle Cat	<i>Felis chaus</i>	Female	29.02.24 08:40 am	Spleen, Kidney and Liver congested.
102	Jungle Cat	<i>Felis chaus</i>	Male	29.02.24 04:35 pm	Spleen, Kidney and intestine congested. Liver pale.
103	Jungle Cat	<i>Felis chaus</i>	Male	29.02.24 05:30 pm	Acute Bronchopneumonia
104	Palm nut vulture	<i>Gypohierax angolensis</i>	Female	01.03.24 06:40 am	Death due to concomitant infection of <i>Candida spp</i> and

					Infectious Bronchitis Virus.
105	Jungle Cat	<i>Felis chaus</i>	Female	01.03.24 01:02 pm	The said jungle cat revealed the clinical signs i.e. neurological signs and hypothermia (96 ⁰ F) on 01.03.24 and blood was collected on 01.03.24 and the blood sample was positive for Haemotropic <i>Mycoplasma spp.</i>
106	Muscovy Duck	<i>Cairina moschata</i>	Female	02.03.24 07:30 am	Death due to <i>Candida spp.</i> infection
107	Palm nut vulture	<i>Gypohierax angolensis</i>	Male	03.03.24 10:15 am	Death due to concomitant infection of <i>Candida spp</i> and Infectious Bronchitis Virus.
108	Muscovy Duck	<i>Cairina moschata</i>	Female	05.03.24 10:10 am	Death may be due to viral infection
109	Red Jungle Fowl	<i>Gallus gallus</i>	Male	05.03.24 05:00 pm	Death may be due to Viral / Bacterial infection
110	Star Tortoise	<i>Geochelone elegans</i>	Unidentified	13.03.24 07:50 am	Death may be due to Bacterial infection
111	Star Tortoise	<i>Geochelone elegans</i>	Unidentified	22.03.24 07:40 am	Due to cardio respiratory failure

28. Compliance with conditions stipulated by the Central Zoo Authority

Compliance Reports on conditions stipulated by CZA during grant of recognition based on the zoo evaluation on September 5th 2022.

23-3/97-CZA(382)(NE)

I/45079/2023

**Computer No. 147421
Government of India
Ministry of Environment, Forest and Climate Change
CENTRAL ZOO AUTHORITY**

B-1 Wing, 6th Floor,
Pandit Deendayal Antyodaya Bhawan,
CGO Complex, Lodhi Road,
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Telephone: +911124367846/51/52
cza@nic.in
Date: 29-05-2023

To,

The Chief Wildlife Warden,
Govt. of West Bengal,
North Block-3rd Floor,
Vikas Bhawan, Salt Lake City,
Kolkata-700091, West Bengal
(Email: wbwildlife@gmail.com)

Subject:- Renewal of recognition of Garchumuk Deer Park, Howrah, West Bengal under Section 38-H(1),(3)&(4) of the Wild Life (Protection) Act, 1972 for period beyond 19th August, 2021-regarding.

Reference:

1. This office letter no. 21-1/2021-CZA, Computer no. 158516 dated 05.04.2022.
2. Application vide letter No.1998/28-46/2021 dated 18.06.2021, Ex-Officio Director, Garchumuk Deer Park for recognition of Garchumuk Deer Park.
3. This office letter no. 23-3/97-CZA(382)(NE), Computer No. 147421, dated 05.03.2021.

Sir/Madam,

With reference to above, I am directed to inform that the recognition of Garchumuk Deer Park, Howrah, West Bengal was accorded up to August 19th, 2021 vide reference no. 3 above. The application for the renewal of recognition of Garchumuk Deer Park, Howrah, West Bengal for the period beyond August 19th, 2021 was received by this office vide reference no. 2 above.

Sh. V.K. Singh, IFS (Retd.) was deputed by this office to carry out the evaluation of the Garchumuk Deer Park, Howrah, West Bengal vide CZA letter at reference no. 1 above. The zoo was accordingly evaluated on September 5, 2022.

The evaluation report (copy enclosed) as submitted by the evaluation officer was deliberated in the 107th meeting of the Technical Committee of

the Central Zoo Authority held on April 19th, 2023. The Technical Committee after detailed deliberations recommended to the Central Zoo Authority for the renewal of recognition of Garchumuk Deer Park, Howrah, West Bengal for a period of two years and to regularise the period after August 19th, 2021, subject to compliance with observation/ recommendation in the table below and mid-term evaluation. The members also recommended that the zoo operator may be directed to submit half-yearly compliance report with respect to observation/ recommendation stipulated while renewal of recognition.

Subsequently, the recommendation of 107th Technical Committee Meeting was approved by the Chairperson, Central Zoo Authority. Accordingly, the Central Zoo Authority has regularised the period after August 19th, 2021 and renewed the recognition of Garchumuk Deer Park, Howrah, West Bengal for a period up to May 23, 2025 under Section 38-H(1), (3) & (4) of the Wild Life (Protection) Act, 1972. This is subject to the ratification of this decision in the next meeting of the Central Zoo Authority.

Sr. No.	Norm No.	Particulars suggestions/recommendation	Time Period to Comply
1. General Requirements			
1.	10.1(7)	Liquid waste management and storm water drainage system should be underground.	Six months
3. Development and Planning			
2.	10.3(3)	Preparation of disaster management plans, training and mock drill should be carried out to prevent accidents in the zoo.	Three months
3.	10.3(8)	Rescued animals as well as seized animals covered under different offence should be reported to CWLW and CZA as per their schedule.	Immediately
4. Animal housing, display of animals and animal enclosures			
4.	10.4(2)	The enclosure of crocodilians should be provided sand bank/sand bar of suitable dimensions for basking.	Three months
5.	10.4(6)	Turtle enclosure should be provided with suitable enrichment features such as logs of wood for basking	Three months
5. Upkeep and healthcare of animals			
6.	10.5(5)	Drainage of deer enclosure should be ensured so that there is no stagnant water.	Three months
6. Veterinary and Infrastructure facilities			
7.	10.6(1)	The post mortem room should have a <i>pucca</i> platform, top surface with glazed tiles and underground pipe fitted for drainage along with tiled floor.	Three months

I/45079/2023

A compliance report to the Central Zoo Authority on implementation of the aforesaid observation/ recommendation shall be submitted by the zoo within three months of issue of this letter. Further, half yearly report regarding progress made in the implementation of the aforesaid conditions should also be submitted to the Central Zoo Authority.

The recognition of Garchumuk Deer Park, Howrah, West Bengal for the period beyond May 23, 2025 would be considered on the basis of compliance of the conditions stated above, mid-term evaluation and general performance of the zoo.

The recognition of Garchumuk Deer Park, Howrah, West Bengal shall be revoked by the Central Zoo Authority, at any point of time, if the zoo operator is found not complying with the stipulated conditions.

This issues with the approval of the competent authority.

Yours sincerely,

Encl.: As above.

**(AKANKSHA MAHAJAN)
DEPUTY INSPECTOR GENERAL**

Copy for information and necessary action to:

1. The Principal Secretary to the Government of West Bengal, Department of Forests, Aranya Bhawan, Block LA-10A, Sector - III, Salt lake, Kolkata - 700 106, West Bengal (E-mail: secforest@wb.gov.in) [Zoo Operator of the Garchumuk Deer Park, Howrah, West Bengal under Rule 2(m)(III) of the Recognition of Zoo Rules, 2009]
2. The Member Secretary, West Bengal Zoo Authority, Aranya Bhawan, 7th Floor, Block LA-10A, Sector III, Salt Lake City, Kolkata - 700, West Bengal (Email: mswbza@gmail.com, wbzooauthority@yahoo.in).
3. The Divisional Forest Officer, Howrah Division and Ex-officio Director, Garchumuk Deer Park, Dalmia Park, Stadium Complex, Howrah - 711 101, West Bengal (E-mail: dfhowh.frd-wb@bangla.gov.in , dfhowrah@gmail.com)
4. The DPA, O/o CZA, (E-mail: dpa-cza@nic.in) - to update database and to upload on official website of the CZA.

Signed by
Akanksha Mahajan
Date: 29-05-2023 17:06:15

Questionnaire for Evaluation of large, medium, small and mini zoos
Central Zoo Authority – (RECOGNITION OF ZOO RULES, 2009)

PART-I

(To be filled by the officer-in-charge of the zoo)

Date of Evaluation: 05/09/2022

Name of Evaluator/s : VK Singh

1	Name of the Zoo	Garchumuk Deer park (Proposed as Garchumuk Zoological Garden vide mail dated 11.03.2022)
2	Name/designation of the officer-in-charge of the zoo	Niranjita Mitra, WBFS, Ex- Officio Director, Garchumuk Zoological Garden (Mini Zoo) & Divisional Forest Officer, Howrah Division
	Address:	Dalmia Park, Stadium Complex, Howrah -711101 Ph. No – 033-26411772
	Mobile Phone:	Mobile No: 98300 44254
	Email:	Email : dfohowrah@gmail.com
	Website:	WBZA Website : wbzooauthority.co.in
3	Location and Area of the Zoo (also indicate the distance from the city/town):	58 Gate, Garchumuk, Ulughata, Post - Khurigachi, P.S. -Shyampur, Uluberia, Dist – Howrah, West Bengal, PIN - 711315, Area of the zoo = 12.314Hectare, Distance from Howrah = 55.00 Km & from Uluberia = 17.0 Km.
4	If the Zoo Director is in-charge of any activity other than the zoo, if yes, please specify.	Yes, Divisional Forest Officer, Howrah Division.
5	Operator/Agency under whose control the Zoo, and	The Zoo is under the control of the Divisional Forest Officer, Howrah.
	Contact person	Ms. Niranjita Mitra, WBFS
	Address	Dalmia Park, Stadium Complex, Howrah -711101 Ph. No – 033-26411772
6	If the Zoo having a society / foundation /trust for financing and development of the zoo, if so, the details, thereof, attach a separate sheet	Yes, West Bengal Zoo Authority is the source for Financing and Development of the Zoo Authority
7	Approximate population of the city where the zoo is located	Population = 22000 nos (Approx) of 58 gate, Khurigachi, GP Belari
8	Year of the Zoo founded	1991 (30.01.1991)
9	Year First opened to public	1991 (30.01.1991)
10	Mission Statement of the Zoo	<ul style="list-style-type: none"> • To develop amongst visitors empathy for wild animals and motivate them to support conservation of wildlife. • To create awareness amongst the visitors as well as school children to conserve Wildlife and environment.

11	Vision Statement of the Zoo	The Garchumuk Zoological Garden (Mini Zoo) is to provide a glimpse of wild animals to the general public for developing a healthy relationship between animals and human beings and to promote conservation of our invaluable faunal resources through display, care and awareness. It is committed towards protection and conservation of species and strives for a peaceful coexistence of development and conservation		
12	The day on which the zoo closed to public	Monday		
13	Last Recognition valid up to and evaluated by (mention name of the team members)	19 August, 2021 1. Rupak De 2. Dr. A. B. Srivastava		
14	Whether your zoo is member of WAZA or any other such organizations, if so, provide details	No		
15	Officers present during the evaluation	<ol style="list-style-type: none"> Ms. Niranjita Mitra, EX-Officio Director, Garchumuk Zoological Garden (Mini Zoo) and DFO Howrah Dr. Bikash Santra, VO Garchumuk Zoological Garden (Mini Zoo), VO MVC, Shyampur I, Howrah Mr. Rajesh Mukherjee, Range Officer, Howrah Rural Range Mr. Debranjana Das, Assistant Zoo Supervisor, Garchumuk Zoological Garden (Mini Zoo) Ms. Ishita Chongder, Zoo Biologist, Garchumuk Zoological Garden (Mini Zoo) Ms. Subhechha Maity, Veterinary Assistant, Garchumuk Zoological Garden (Mini Zoo) 		
16	<ul style="list-style-type: none"> Total no. of animals exhibited by the zoo (during the last evaluation & as on the date of evaluation) Species exhibited & numbers 	Sl No.	During Last evaluation	As on date of present evaluation (05.09.2022) List is attached as Annexure 1
		1	Spotted Deer - 55	
		2	Porcupine - 03	
		3	Indian Peafowl - 06	
		4	Parakeet - 57	
		5	Golden Pheasant - 02	
		6	Silver Pheasant -02	
		7	Red Jungle Fowl - 01	
		8	Marsh Crocodile - 01	
		9	Indian Soft Shell Turtle - 377	
17	List of Surplus Animals (attach a list)	Spotted Deer		
18	List of additional facilities available at the zoo like and their entrance fees, if any:	Walking Trail- 1 km		
	1. Nocturnal House			
	2. Reptile House			
	3. Aquarium			
	4. Safari			

	5. Boating														
	6. Morning Walks														
	7. Train Ride														
	8. Elephant Ride etc														
	9. Others, specify														
19	No. of Visitors (during the current and last three financial year)	2019-2020	2020-2021	2021-2022	2022-2023										
		1,65,030	82,085	Nil	Nil										
		TOTAL 247,115													
		*From April 2020 to till now, zoo is closed due to pandemic situation and modification. No visitors were allowed.													
20	Budget of the zoo (last three years) (attach separate sheet if required)	2019-2020	2020-2021	2021-2022	2022-2023										
		1,06,16,790.00	1,50,69,933.00	4,62,04,961.00	40,85,454.00										
21	Revenue earned (last three years)	2019-2020	2020-2021	2021-2022	2022-2023										
		2,10,789.00	3001.00	3,96,310.00	39,750.00										
22	Utilization of financial Assistance received from the CZA during the last three years and its utilization	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Year</th> <th style="width: 20%;">Funds Received from CZA</th> <th style="width: 20%;">Amount Spent with Item Wise Details</th> <th style="width: 15%;">Savings, if any</th> <th style="width: 35%;">Remarks Utilization Certificate Pending, if any. Provide Details</th> </tr> </thead> <tbody> <tr> <td colspan="5" style="text-align: center;">Attach a Separate Sheet as Annexure:- NIL</td> </tr> </tbody> </table>				Year	Funds Received from CZA	Amount Spent with Item Wise Details	Savings, if any	Remarks Utilization Certificate Pending, if any. Provide Details	Attach a Separate Sheet as Annexure:- NIL				
		Year	Funds Received from CZA	Amount Spent with Item Wise Details	Savings, if any	Remarks Utilization Certificate Pending, if any. Provide Details									
Attach a Separate Sheet as Annexure:- NIL															

PART-II

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

- Letter No.** (1) No. 23-3/97-CZA (382) (NE) dated 05.03.2021
 (2) File No. 7-10/2020-CZA (PART-I) /1/2446/2020, dt. 25.08.2020.
 (3) F. No. 23-3/97-CZA(382)(Vol.I(BK(G)/740/2017 dated 05.04.2017
 (4) F. No. 23-3/97-CZA(382)(NS)/978/2018 dated 22.06.2016

Sr. No	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Remarks	
					Status with regard to compliance of the conditions as submitted by the Officer-in-Charge of the Zoo	Status with regard to compliance as noted physically by the evaluator during the visit
F. No.23-3/97-CZA(382)(NE) dated 05.03.2021						
	1. General requirements					
1	10.1(2)	Plantation of Ficus trees should be taken up in Spotted Deer	Six months	05.03.2021	Ficus trees have been planted in the Spotted Deer Enclosure within the stipulated time period.	Complied with
	4. Animal housing, display of animals and animal enclosures					
2	10.4(1)	The enclosures and buildings should be given a fresh coat of paint.	Immediately	05.03.2021	Fresh coat of painting has been done to all the enclosures and buildings	Complied with
3	10.4(2)	The enclosure of crocodilians should be provided sand bank / sand bar of suitable dimension for basking by the animals.	Three months	05.03.2021	The sand bank / sand bar of suitable dimension preparation is under process.	Pending
4	10.4(6)	The turtle enclosure should be provided with suitable enrichment features such as logs of wood for the basking of animals	Two months	05.03.2021	Work under process	Pending
5	10.4(9)	The area between the animal enclosures and the stand-off barriers	Six months	05.03.2021	Hedges have been planted as a barrier	Complied with
		should be planted with suitable species.				

6	10.4(10)	The nature interpretative and information displays/signage should be reviewed and improved as per CZA guidelines.	Immediately	05.03.2021	Complied with	Complied with
5. Upkeep and healthcare of animals						
7	1.05(5)	Drainage of the Deer enclosure should be ensured so that there is no stagnant water.	Three months	05.03.2021	Under Process	Pending
6. Veterinary and infrastructure						
8	10.6(1)	Veterinary unit should be well equipped as per CZA guidelines.	Immediately	05.03.2021	As per CZA guideline, Double door Refrigerator, Binocular microscope, Post-mortem examination set for large animals, Shadow less spot lamp, Instrument cabinet, Saline stand, Squeeze cage, weighing machine, Stainless steel inspection table had been procured. Other equipments will be procured as per Doctor's advice when required	Veterinary Unit require more equipments like, Digital X-Ray Machine, Ultra Sound Machine etc.
9	10.6(3)	Approach road from the entry point to animal care unit and also postmortem, hall should be of paver blocks.	Six months	05.03.2021	Complied with	Complied with
10	10.6(3)	Treatment room and post mortem hall requires more natural light like facilities and two wall fans in each of the wails.	Immediately	05.03.2021	Renovation of the Post Mortem Room had been done with more lights, and mounting wall fans	Complied with
11	10.06(3)	A good quality stainless steel postmortem table is required for post mortem .	Immediately	05.03.2021	Good quality stainless steel postmortem tables have been procured for the treatment room and for the post-mortem hall	Besides this a Pucca Platform, top surface with glazed tiles is required with underground pipe fitted with

						drainage. Floor of the Post Mortem Hall should also be tiled
12	10.6(3)	Animal care unit (hospital) and post mortem room need fly proofing at external all doors and windows. Also need adequate ventilation, illumination and drainage.	Immediately	05.03.2021	Fly proofing arrangement are made to all the doors and windows of the Animal Care Unit and Post-mortem room	Complied with
9. Acquisition and breeding of animals						
13	10.9(4)	Unpaired animals should be paired	Six months	05.03.2021	Complied with. All animals are paired.	Complied with

F. No. 23-3/97-CZA(382)(Vol.I(BK(G)/740/2017 dated 05.04.2017

1. General requirements

1	10.1(1)	The zoo failed to avoid inbreeding among Spotted Deer. The Zoo has been breeding among the existing population of Spotted Deer since 1991. 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	05.04.2017	To avoid inbreeding among Spotted Deer, 2 Female Deer were introduced from Garmandaran Paryatan Kendra in February, 2017 Translocation of surplus 109 Spotted Deer (43 Male, 66 Female) was done in March, 2018 to Ramnabagan Wildlife Sanctuary, Burdwan. In January 2019, 5 Male and 17 Female Spotted Deer were translocated to Sundarban Wild Animal Park, Jharkhali New Proposals have been submitted to translocate 60 Spotted Deer to CWLW	
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2. Administrative & staffing pattern						
2	10.2(1)	The zoo should have a full time officer in charge with adequate financial and administrative powers delegated to the officer	Six months	05.04.2017	Divisional Forest Officer is the Ex-Office Director assisted by Addl. Divisional Forest Officer and Range Officer.	
3. Development & Planning						
3	10.3(1)	All future development of the zoo should be carried out as per the CZA approved Master Plan only and APO (Annual plan of operation) prepared accordingly.	Immediately	05.04.2017	Master Plan of the zoo has already been submitted to CZA	
	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.	Six months	05.04.2017	Animal collection plan has already been submitted to CZA for further approval	
4. Animal housing, display of animals and animal enclosures						
4	10.4(5)	The zoo failed to exhibit Mugger in an enclosure with near natural conditions. The zoo should construct enclosures as per the CZA approved norms and Master Plan.	Two years	05.04.2017	The Mugger enclosure has been enriched with near natural conditions as per the CZA approved norms and Master Plan.	Complied with
5. Upkeep and healthcare of animals						
5	10.5(2)	A new food store and kitchen should be constructed on the site propped in the revised layout. Suitably designed platforms should be provided in the feeding store for stacking dry ration. Exhaust fans should be installed to reduce moisture inside the feed store	One year	05.04.2017	The food store and kitchen have been Constructed as per Master Plan. Exhaust fans have been installed to reduce moisture inside the feed store	Complied with

6.	10.5(4)	Kraals of dimensions prescribed by the CZA should be created in Chital enclosures for restraining of males/ injured Deer.	One Year	05.04.2017	The work is under process	
7	10.5(8)	Herd animals should be screened periodically through random sampling for parasitic loads and prophylactic measures taken under guidance of the visiting veterinary doctor. A written schedule should be prepared and implemented. Blood samples taken and examined for prevalence of tuberculosis.	Immediately	05.04.2017	It is being done on a regular basis by the Honorary Veterinary Officer and Bengal Veterinary College and Hospital, Belgachia. This team has their last visit on 26.08.2022. Sample for microbial test has been sent to ARD, IAH & VB on 25.08.2022.	Had complied the observation.
6. Veterinary & Infrastructure facilities						
8	10.6(1)	The zoo failed to have a provision of treatment room appropriate to the animals being housed and exhibited. A kraal for recuperating of animals, a dispensary for storing lifesaving drugs and other veterinary equipment should also be provided with the treatment room should be repaired and broken false ceiling changed	One year	05.04.2017	Complied with	Complied with
9	10.6(3)	Post-mortem room has been proposed to be constructed near the compound of forest rest house. This is certainly not the place. The zoo should consider constructing the post – mortem room at appropriate place in the zoo as per the Master Plan	One year	05.04.2017	Post-mortem room has been constructed as per Master Plan	Complied with
9. Acquisition and breeding of animals						
10	10.9(9)	The Deer enclosure	With	05.04.2017	Translocation of	

		measures 2.97 ha. Only translating into 7.3 acres. The carrying capacity of the enclosure thus stands 25 animals only. Surplus animals need to be shifted to newly created zoos in the State or necessary population control measures put in place to stop breeding.	immediate effect		surplus 109 Spotted Deer (43 Male, 66 Female) was done in March, 2018 to Ramnabagan Wildlife Sanctuary, Burdwan. In January 2019, 5 Male and 17 Female Spotted Deer were translocated to Sundarban Wild Animal Park, Jharkhali New Proposals have been submitted to translocate 60 Spotted Deer to CWLW	
12. Visitors' facilities						
11	10.12(3)	The zoo should provide proper arrangement for access of physically handicapped persons (Divyang) to view animals at various enclosures	Immediately	05.04.2017	Arrangement of Wheel chair is kept within the zoo	Complied with
Other conditions stipulated based on recommendation of the evaluating officer						
4. Animal housing, display of animals and animal enclosures						
1	10.4(6)	There exists opportunity to create near naturalistic habitat for both Chital. Eucalyptus and prosopis/acacia monotony may be broken by thinning and creating grassland and planning more fruit bearing & fodder tree species like Ber (<i>Ziziphus mauritiana</i>), Gular (<i>Ficus racemose</i>), Bargad (<i>Ficus bengalensis</i>), Jamun (<i>Syzygium cumini</i>), pellophorum etc. Highland should also be created to give opportunity to animals to			Ficus, Jamun and other fruit trees have been planted in the Spotted Deer Enclosure within the stipulated time period. Highlands have also been constructed for animal shelter from inundation during monsoon	Complied with

		take shelter from inundation during monsoon				
	7. Postmortem and disposal of carcass of animals					
2	10.7(4)	An incinerator may be installed for safe disposal of animal carcasses and other bio wastes including shed antlers etc.			Carcasses of Schedule- I animal are burnt by dry logs at the rear end of the zoo. Other animals are buried safely.	
	9. Acquisition and breeding of animals					
3	10.9(7)	The zoo should initiate programme for restocking of protected areas of the state with their surplus Deer population 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 Pas of South West Bengal			New Proposals regarding release have been submitted	
	10. Research activities					
4	10.10	The zoo authorities should enter into an agreement with 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			WBZA has already signed MoU and permitted colleges to carry out different research activities in the zoo	Complied with
	11. Education and outreach activities					
5	10.11(1)	Signage on role of ecosystem service providers and their contribution to the humankind in form of food, medicine, should be			Signages are already done. Several educational activities involving school and college students are being	Complied with. Educational activities involving school and college students should be carried out on regular basis.

		provided at strategic location outside the zoo campus as well as inside. Education activities involving school and college students should be organized on regular basis. The zoo is located near a large wetland. Role of wetlands in carbon sequestration should be highlighted among the locals population by organizing seminars and workshops			organized on a regular basis.	
		12. Visitors' facilities				
6	10.12(1)	The zoo authorities should provide more number of civic facilities in form of toilets, visitor shelters and water kiosk for visitors, including facilities for disadvantaged visitors			Complied with	Complied with
F. No.23/97-CZA(382)(NS)/978/2018 dated 22.06.2016						
		9. General Requirements				
1	1.1	The zoo has been breeding among the existing population of Spotted Deer since 1991. There has not been any effect to infuse new bloodline. This should be done as soon as possible including bringing down the population of animals according to the holding capacity of the enclosure being 25 members	One year	22.06.2016	To avoid inbreeding among Spotted Deer, 2 Female Deer were introduced from Garmandaran Paryatan Kendra in February, 2017 Translocation of surplus 109 Spotted Deer (43 Male, 66 Female) was done in March, 2018 to Ramnabagan Wildlife Sanctuary, Burdwan. In January 2019, 5 Male and 17 Female Spotted Deer were translocated to Sundarban Wild Animal Park, Jharkhali	

					New Proposals have been submitted to translocate 60 Spotted Deer to CWLW	
2	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 etc. should be removed from the animal enclosures on daily basis and disposed off in hygienic manner in specially dug covered pits outside the enclosure	With Immediate Effect	22.06.2016	It is being done on a regular basis	
10. Administrative and staffing pattern						
3	2.1	A full – time regular whole time in charge of the zoo should be placed with adequate financial and administrative powers	Immediately	22.06.2016	Divisional Forest Officer is the Ex-Officio Director assisted by Addl. Divisional Forest Officer and Range Officer	
11. Development and planning						
4	3.1	All future development of the zoo should be carried out as per the CZA approved Master Plan only and APO (Annual plan of operation) prepared accordingly.	Immediately	22.06.2016	Master Plan of the zoo has already been submitted	
5	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 already been submitted to CZA for further approval	

12. Animal Housing, display of animals and animal enclosures					
6	4.5	Female mugger is being displayed in an unnaturalistic enclosure. The zoo should construct enclosures as per the CZA approved prototypes and Master Plan	Two years	22.06.2016	The Mugger enclosure has been enriched with near natural conditions as per the CZA approved norms and Master Plan.
7	4.6	There exists opportunity to create near naturalistic habitat for Chital. Eucalyptus and proposis / acacia monotony be broken by thinning and creating grassland and Planting more fruit bearing & fodder tree species like Ber (<i>Ziziphus mauritiana</i>), Gular (<i>Ficus racemose</i>), Bargad (<i>Ficus bengalensis</i>), Jamun (<i>Syzygium cumini</i>), pellophorum etc. Highland should also be created to give opportunity to animals to take shelter from inundation during monsoon	Two years	22.06.2016	Ficus, Jamun and other fruit trees have been planted in the Spotted Deer Enclosure within the stipulated time period. Highlands have also been constructed for animal shelter from inundation during monsoon
8	4.9	Standoff barriers should be provided all along animal 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	Complied with
9	4.10	Animal enclosure should have signage with relevant information on the biology of the animals and population status of the species	Six Months	22.06.2016	Complied with

13. Upkeep and healthcare of animals						
10	5.2	A new food store and kitchen should be constructed on the site propped in the revised	One year	22.06.2016	The food store and kitchen has been constructed as per submitted Master	
		layout. Suitably designed platforms should be provided in the feeding store for stacking 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			Plan. Suitably designed platforms have already been constructed and stainless-steel drums are being used for keeping dry ration.	
11	5.4	Kraals of dimensions prescribed by the CZA should be created in Chital enclosures for restraining of rogue males/ injured Deer.	One year	22.06.2016	Under process	
12.	5.5	Leftover food should be removed from the animal enclosures on daily basis. Dung should also be removed from the enclosures periodically and in consultation with veterinary doctor	Immediately	22.06.2016	It is being done on a regular basis	
13	5.8	Herd animals should be screened periodically through random sampling for parasitic loads and prophylactic measures taken under guidance of the visiting veterinary doctor. A written schedule should be prepared and implemented.	Immediately	22.06.2016	It is being done on a regular basis by the Honorary Veterinary Officer and Bengal Veterinary College and Hospital, Belgachia	
14	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	Complied with	

15	5.10	Daily reporting by the animal keepers should be introduced through keepers diaries and daily reports as per the CZA prescribed format	Immediately	22.062016	Keeper Diary and Daily report are maintained on a regular basis	
14. Veterinary & Infrastructure facilities						
16	6.1	The existing treatment room is not at all 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 porcupine to large animals like chital/ mugger by the doctor. A Kraal for recuperating of animals, a dispensary for storing lifesaving drugs and other veterinary equipment's should also be provided with the treatment room. The roof of the treatment room should be replaced with colour coated steel sheets and the broken false ceiling changed	One year	22.06.2016	Complied with	
17	6.3	Post-mortem room has been proposed to be constructed near the food store and kitchen. This is certainly not the place. Secondly, the proposed place is in close proximity to visitor movement. The zoo should consider constructing the post-mortem room on the vacant land (900 sq.mtr.) of Howrah Zila Parishad lying immediately near the near gate of administrative complex and zoo	One year	22.06.2016	Post mortem room has been constructed as per submitted Masterplan	

18	6.6	The zoo should enter into a written MoU with the District Veterinary Hospital, Howrah for- 1. Round the year veterinary support 2. Training of zoo Personnel	Immediately	22.06.2016	Veterinary officer and MVC of Shyampur-I, Howrah, is working as the honorary Veterinary Officer for the zoo and gives a regular visit	
		3. Animal population Management				
		15. Postmortem and disposal of carcass of animals				
19	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	Post-mortem is done by a registered veterinarian. The findings are also recorded in the CZA prescribed format.	
20	7.4	An incinerator may be installed for safe disposal of animal carcasses and other bio wastes including shed antlers etc.	Immediately	22.06.2016	Carcasses of Schedule- I animal are burnt by dry logs at the rear end of the zoo. Other animals are buried safely.	
		9. Acquisition and breeding of animals				
21	9.1&2	Though not visible, inbreeding has taken place in chital population over the years. Efforts should be made for selective swap of female animals amongst Deer population of other nearby zoos in consultation with West Bengal Zoo Authority	One year	22.06.2016	To avoid inbreeding among Spotted Deer, 2 Female Deer were introduced from Garmandaran Paryatan Kendra in February, 2017	

22	9.7	The zoo should initiate programme 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 Pas of South	Two years	22.06.2016	Translocation of surplus 109 Spotted Deer (43 Male, 66 Female) was done in March, 2018 to Ramnabagan Wildlife Sanctuary, Burdwan. In January 2019, 5 Male and 17 Female Spotted Deer were translocated to Sundarban Wild Animal Park, Jharkhali	
		West Bengal			New Proposals have been submitted to translocate 60 Spotted Deer to CWLW	
23	9.9	The Deer enclosure measures 2.97 ha. Only translating into 7.3 acres. The carrying capacity of the enclosures thus stands 25 animals only. Surplus animals need to be shifted to newly created zoos in the state or necessary population control measures put in place to stop future recruitment.	With immediate effect	22.06.2016	Translocation of surplus 109 Spotted Deer (43 Male, 66 Female) was done in March, 2018 to Ramnabagan Wildlife Sanctuary, Burdwan. In January 2019, 5 Male and 17 Female Spotted Deer were translocated to Sundarban Wild Animal Park, Jharkhali New Proposals have been submitted to translocate 60 Spotted Deer to CWLW	

	10. Research activities					
24	10	The zoo authorities should enter into an agreement with 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	Complied with	
	11. Education and outreach activities					
25	11.1	Signage on role of ecosystem service providers and their contribution to the humankind in form of food, medicine, should be provided	Immediately	22.06.2016	Complied with	
	12. Visitors' facilities					
26	12.1	The zoo authorities should provide more number of civic facilities for visitors including facilities for disadvantaged visitors.	One year	22.06.2016	Complied with	
27	12.3	The zoo should make arrangements for providing access to the handicapped persons for viewing animals at various animal enclosures.	Immediately	22.06.2016	Complied with	

PART-III

Rule 10: Standards and Norms subject to which recognition under section 38H of the Act shall be considered.

Norm No.	Condition	Detailed status of implementation and enclosure specific recommendation	
		To be filled by the Zoo Director	Comments of the Evaluating Officer
1. General requirements			
1.1	Does the zoo make efforts to maintain population of physically, genetically and behaviorally healthy animals for furthering the cause of wildlife conservation and communicating credible conservation message to the visitors?	<p>Yes</p> <p>Effort are being made as follows:</p> <ul style="list-style-type: none"> • Proper display units • Regular health check up • Proper Supplementary food • Proper hygiene • Proper signages • Educational awareness programs • Enrichment 	<p>Efforts have been made by keeping proper hygiene, adding supplementary food as per dietary chart. General health condition of animals is good. Signages at proper places, near the enclosures displaying important information had been installed. And they are communicating credible conservation message to the visitors as well as school children.</p>
	b) If not please specify cases where it is violated? * Only in cases where stud books are maintained	NA	
	c) If any introduction of new blood has been made after last evaluation to increase the genetic viability of animals.	<p>Yes.</p> <p>To increase the genetic viability of animals, several animals have been acquired from Alipore Zoo and Padmaja Naidu Himalayan Zoological Park</p>	Efforts had been made.
1.2	Whether any endeavor has been made for proper landscaping and planting of appropriate species done to provide a naturalistic environment within the zoo?	<p>Yes. Efforts have been made for proper landscaping and planting of Peepal, Ber, Mango, Banyan, Jackfruit, Jamun etc.</p>	Efforts had been made
	(b) If not indicate cases of deviation.	NA	
1.3	(a) Whether the movement of visitors in the zoo has been regulated in such a manner that zoo animals are not unduly disturbed?	<p>Proper movement route for visitors had been designed in such a way that zoo animals are not</p>	<p>Proper regulation of Visitors' path had been made.</p>

		disturbed.	
	(b) Is the Zoo closed to visitors at least one day in a week?	Yes	Park management has decided to close the zoo once a week, that is on Monday. This park is proposed for opening in first week of October after renovation.
	(c) Which day?	Monday is closed	
1.4	(a) Whether the zoo has appropriate barriers along the boundary of the zoo in accordance with the standards issued by the Central Zoo Authority, as a safeguard against the un-regulated access of visitors to the zoo and zoo animals and being subjected to injury, pilferage and predation?	Yes	Yes
	(b) If not which stretch and its length?	NA	
1.5	(a) Is the zoo surrounded by human landscape?	No	No
	(b) If yes, whether encompassed by a perimeter wall of at least two meter in height from the ground level on both sides?	NA	NA
1.6	(a) Is there residential colony constructed within the zoo premises?	No	No
	(b) If yes, whether separated by wall from the zoo premises by a boundary wall with a minimum height of two meters from the ground level?	NA	NA
	(c) Is the entry to the residential colony through the zoo premises?	NA	NA
1.7	(a) What are arrangements for managing solid and liquid waste and storm water?	Solid waste is carried away from animal housing facility outside the zoo. For storm water proper underground drainage system have to be created in due course of time.	Proper solid waste management had been carried out but drainage system for liquid waste management and storm water has to be strengthened.
	(b) Is it adequate?	No	No
	(c) What are the short comings?	NA	
1.8	(a) Is the zoo displaying sick, injured, infirm and tethered animals to the visitors?	No. The sick, injured, infirm and tethered animals are kept separately in quarantine centre	Quarantine centre is maintained.
	(b) If yes, what are the species and each of their number?	NA	NA
1.9	(a) Is the zoo housing domestic animals within the zoo premises?	No	No

	(b) Is there adequate safeguards in place to prevent the entry of domestic livestock, stray animals and pets into the zoo premises?	Yes, there are fencing in the boundary as well as guards are deployed.	Boundary wall had been erected all around the zoo.																									
2. Administrative & Staffing pattern																												
2.1	Does the zoo have an officer of appropriate rank as “whole time in-charge” of the zoo with powers to take decision and ensure that adequate financial resources and infrastructural support is made available to such officer for proper housing, upkeep and healthcare of the zoo animals and managing the zoo in a planned manner?	Divisional Forest Officer is the Ex-Officio Director of the zoo with the powers to take decision, arrange adequate financial resources, infrastructural support is made available for proper housing, upkeep and healthcare of the zoo animals and managing the zoo in a planned manner.	Agreed																									
2.2	Does the zoo have adequate scientific and technical staff to support the officer-in-charge of the zoo in carrying out the responsibilities of housing, upkeep and healthcare of zoo animals, research and visitor education as specified in the Table below, namely:	Garchumuk Zoological Garden is under Mini Zoo category. As per CZA guidelines following staff strength is working- Curator: 1 Range Officer Part time Veterinarian: 1 Full time Veterinary Assistant: 1 Part time Education Officer: 1 Part time Biologist: 1																										
	<table border="1"> <thead> <tr> <th>Sl. No</th> <th>Category of Staff</th> <th>Large Zoo</th> <th>Medium Zoo</th> <th>Small Zoo</th> </tr> </thead> <tbody> <tr> <td></td> <td>Curator</td> <td>1</td> <td>1</td> <td>1</td> </tr> <tr> <td></td> <td>Veterinarian</td> <td>2</td> <td>1</td> <td>1</td> </tr> <tr> <td></td> <td>Education Officer</td> <td>1</td> <td>1</td> <td></td> </tr> <tr> <td></td> <td>Biologist</td> <td>1</td> <td>1</td> <td>1</td> </tr> </tbody> </table>	Sl. No	Category of Staff	Large Zoo	Medium Zoo	Small Zoo		Curator	1	1	1		Veterinarian	2	1	1		Education Officer	1	1			Biologist	1	1	1		
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	Biologist	1	1	1																								
2.3	If the scientific and technical posts are filled by direct recruitment, does the recruitment rule for such posts provide for their career progression including the benefit of flexible complementing scheme for their promotions?	NA	Scientific and technical posts are not filled by direct recruitment.																									
2.4	In the event of emergency, what is the response time when the veterinarian is off the premises (i.e. distance between officer, residence and zoo)	Full time veterinary assistant is available.	Ms. Subhechha Maity is working as VA, residing within the campus.																									
3. Development and Planning																												
3.1	(a) Has the zoo prepared and got the master plan approved by the Central Zoo Authority?	Master Plan has been submitted for further approval by the Central Zoo Authority	Master Plan not approved so far.																									
	(b) If not, what is the stage?	Submitted																										
3.2	(a) Has at least 30% of the area earmarked for the zoo been kept under green belt and natural vegetation and the area for animal housing does not exceed 30% area of the zoo?	Almost 40% area earmarked for the zoo had been kept under green belt and natural vegetation. The area for	Agreed.																									

		animal housing does not exceed 30% area of the zoo.	
	(b) If not, approx. what percentage?	NA	
3.3	(a) Have all 'pucca' buildings including the visitor facilities been planned and located in such a manner that the natural landscape of the zoo have not been masked and the cleanliness and hygiene of the zoo is not been affected due to such animal enclosures/structures?	All the pucca buildings including the visitor facilities has been planned and located in such a manner that the natural landscape of the zoo has not been masked. The cleanliness and hygiene of the zoo is not been affected due to such animal enclosures/structures	Proper planning has been done.
	(b) If not what improvements are suggested?	NA.	
3.4	Has the zoo prepared a collection plan in consultation with the Central Zoo Authority, indicating the names of the species and maximum number of animals of each species to be housed in the zoo, having due regard to the congeniality of the climatic conditions of the locality for the general health and well being of the species, availability of space and infrastructural support for proper upkeep and healthcare of the species, proximity of the zoo to the habitat range of the species and the past record of the zoo in management and upkeep standards of animals for accommodating new species or additional animals of the species in its collection?	Collection plan have been prepared in consultation with WBZA and submitted to Central Zoo Authority for further approval.	Collection plan is not approved by CZA.
3.5	(a) Has the zoo accepted any rescued animal for which it does not have appropriately designed enclosure and upkeep facilities as well as the facilities for keeping it in isolation during quarantine period?	No	Zoo has accepted total 13 different rescued animal species so far for which it does not have appropriate designed enclosure.
	(b) If yes which species and from where received?		Fishing Cat- 3M and 2F, Jungle Cat-4M, Golden Jackal-1M, Indian Grey Mongoose-1U, Himalayan Porcupine-1U, Black Kite-2U, Crested Serpent Eagle-1U, Barn Owl-1U, Pea Hen-1, Cotton Pigmy Goose-Juvenile 8U, Burmese Python-1, Iguana-1M, Peacock soft turtle-1U. They all are received from villagers and different authorities. Besides this Green

			Winged Macau-5U, Red Bellied Macau-12U, Toco Toucan-2U, Violaceous Turaco-2U, Guinea Turaco-2U, Lutino Galah-6U, Love Birds-105U, Quaker Parrot-19U, Burrowing Parrot-2U and Star Tortoise-28U. These all are seized and covered with court cases. Some are kept here since a long time but not reported to either CWLW or CZA. It should be reported immediately.
	(c) The location of quarantine and isolation area?	Quarantine area is on the South West rear side of the zoo.	Quarantine area is on the South West rear side of the zoo.
3.6	(a) Has the zoo accepted any rescued animal for housing?	No	
	(b) If so what is the species and number?	NA	
	(c) Has the details been reported to CWLW of the state including a detailed report regarding the source from which the animal has been received, legality of its acquisition and the facilities available at the zoo for housing, upkeep and healthcare?	NA	No report has been sent to CWLW and CZA so far. Report has to be communicated immediately.
	(d) If the rescued animal pertains to an endangered species whether a copy of the report has been sent to the Central Zoo Authority?	NA	Rescued animal pertaining to endangered species should be reported immediately to CZA.
3.7	(a) Whether the Central Zoo Authority has advised to transfer any animal to a particular zoo for augmenting the number of founder animals for the conservation breeding program?	No	
	(b) Whether the same has been complied with?	NA	
	(c) If not, why?	NA	
4. Animal Housing, display of animals & animal enclosures			
4.1	(a) Are the animals displayed in nature immersing (naturalistic) enclosures?	Yes	

	(b) How many such enclosures for which species exist?	<ul style="list-style-type: none"> • Fishing Cat- 1 • Jungle Cat-1 • Himalayan • Crestless Porcupine- 1 • Spotted Deer-1 • Marsh Crocodile-1 • Python-1 • Indian Peafowl-1 • Golden Pheasant-1 • Silver Pheasant-1 • Red Junglefowl-1 • Lady Amherst Pheasant-1 • Emu-1 • Small Bird Aviary- 2 <p>Flying bird aviary under construction Water bird Aviary under construction Turtle Pond-Under renovation</p>	All enclosures are functional having proper vegetation and care.
4.2	(a) If the designs and dimensions of various enclosures have been decided having due regard to the biological behavior of the species and the number of animals to be housed	Yes	Yes
4.3	(a) Are the enclosures safe and secure for the animals, animal keepers and the visitors and has requisite space for free movement, exercise and	Yes	Yes
	expression of their natural behavior?		
	(b) If not, in which cases?	NA	
4.4	(a) Is adequate space available to the animals in order to maintain safe distance from the dominant animals in the group or herd?	Yes	Yes
	(b) If not, in which cases?	NA	
4.5	Which animals are kept in substandard enclosures as per CZA specification?	None	None
4.6	(a) Has efforts been made to enrich the environment of the enclosures to meet the species specific behavioral requirements of the animals in accordance with the standards specified by the Central Zoo Authority?	Yes	Yes
	(b) Where are the deviations?	NA	

4.7	(a) Has adequate screening been provided between adjacent enclosures to safeguard against the animals getting unduly excited or stressed due to visibility of animals housed in these enclosures?	Yes	Yes
	(b) What are the deviations?	NA	
4.8	(a) Has any new enclosure for endangered species constructed without prior approval of the Central Zoo Authority?	No	
	(b) If yes, which ones and why?	NA	
4.9	(a) Has the zoo provided appropriately designed and effective standoff barriers at every animal display enclosure to regulate the movement of visitors in the zoo in a manner that facilitates the visitors in getting unobstructed view of wild animals, without reaching in the vicinity or proximity of the animals and getting the opportunity to physically touch or provoke the animals and are there adequate sign boards so as to give warning to the visitors to keep a safe distance from the animals?	Yes	Yes
	(b) Where are the deviations?	NA	
4.10	(a) Have appropriate signage been provided with relevant information on the biology, behavior and the population status of the species in the wild at every display enclosure?	Appropriate signage been provided with relevant information on the biology, behavior and the population status of the species.	Agreed
	(b) If any deviations, details thereof.	NA	
	(c) In case of large and medium zoos whether interactive interpretation facilities have been provided for the purpose of explaining behavior and biology of the species displayed in the enclosure?	NA	
	(d) Details thereof.	NA	
5. Upkeep and healthcare of animals			
5.1	Enclosures and animal facilities (a) Whether the animals in its collection are maintained in socially and behaviorally viable groups?	Yes.	Yes
	(b) If any animal is separated from the group, the justification for the same and whether the animals, so separated, have been housed in accordance with standards specified by the Central Zoo Authority in this regard.	Not yet required.	
	(c) Whether the food containers and water bowls are cleared and disinfected on daily basis?	Yes	Yes
	(d) Whether grills and floor of feeding cells, night shelters and chain link fence of outdoor enclosures are being disinfected on routine basis.	Yes	Yes

	(e) Whether perches and shelves are cleaned regularly and kept free of faeces and urine?	Yes	Yes
	(f) Whether dirt substrates in outdoor planted exhibits are raked and spot- cleaned periodically?	Yes	Yes
	(g) Whether the zoo has provision of secondary holding areas for safe movement of animals from primary enclosures for cleaning / feeding/medical procedures?	Yes	Yes
	(h) Provision of footbath of adequate size with proper disinfectant at entry and exist points of animal house is provided or not?	Yes, provided	Functional footbath with proper disinfectant should be near entry as well as exit of animal house.
	(i) Whether the indoor exhibits have separate ventilation system between exhibits and visitors area to reduce the potentials of disease transmission, in case of reptile and nocturnal animal houses?	Yes	
	(j) Whether the drainage system is covered properly and away from animal houses?	Partially covered	Drainage system near the enclosure and visitor path should be completely covered
5.2	Nutrition and food hygiene General		
	1. Are the animals ensured timely supply of :		
	(a) Adequate quality feed as per species specific diet of such a composition and in such quantities that nutritional and physiological requirements of each animal is fully met and no animal remains under- nourished on account of dominant animals not permitting other animals getting their share of the feed?	Yes	Yes
	(b) Is round the clock supply of potable water to all the animals is ensured?	Yes	Yes
	2. Whether inventory of daily received and distribution record of food items is maintained?	Yes	Record is maintained.
	3. Whether the storage conditions of the food items are appropriate (free from moisture, moulds and pests)?	Yes	Yes
	4. Whether the food storage facilities and working platforms are cleaned and disinfected on regular basis?	Yes	Yes
	5. Whether the regular inspection of food items is being done for its quality and freshness and transported hygienically to the respective enclosures?	Yes	Yes
	6. Whether random food and water samples are being tested periodically for microbiological, toxicological and any other contaminants at recognized laboratory	Yes	

<p>Carnivore food and hygiene</p> <p>1. Whether the meat house is fly proof and pest free and located at a reasonable distance from the feed store and kitchen?</p>	Yes	Yes
<p>2. Whether the zoo maintains strict hygienic conditions in the entire food stream, from the butchery to feeding platforms in order to prevent food contamination and overgrowth of potential pathogenic bacteria?</p>	Yes	
<p>3. Whether the zoo has a sufficient size functioning freezer in the meat processing facility for storage of meat products and to keep cold until it is fed?</p>	Yes; though only fresh meats are provided.	Sufficient size freezer for storage of meat is not available.
<p>4. Whether the meat handlers entering the facility change into a clean and disinfected boots and coveralls?</p>	Yes	Yes
<p>5. Whether the meat handlers use clean gloves when handling the meat?</p>	Yes	Yes
<p>6. Whether the meat preparation facility is thoroughly cleaned and disinfected on regular basis after the meat preparation is completed?</p>	Yes	Yes
<p>7. Whether there is a covered drainage system to prevent wastes and water from the meat preparation facility from draining onto the ground surrounding the facility where foot traffic will carry pathogens around and where wildlife may become exposed to the waste?</p>	Yes	Yes
<p>8. Whether the meat is fed on a clean and disinfected surface and at a time when the animal will consume it as quickly as possible?</p>	Yes	Yes
<p>9. Whether the keepers use clean gloves, if they handle the meat prior to feeding?</p>	Yes	Yes
<p>Food Distribution</p> <p>1. (a) Is the timing of distribution of food, placement of food and way of distribution of food to the animals regulated in such a manner that the animals</p>	Yes	Yes
<p>get maximum opportunity to express natural instincts and skills and behavior related to feeding?</p>		
<p>Removal of Unused feed and excreta</p> <p>Are the left-over feed, excreta of animals and all other wastes are removed promptly from the feeding cells and kraals and the feeding cells washed and disinfected as per the advice of the authorized veterinary officers and the solid and the liquid waste generated during the process are disposed off in such manner that has no adverse impact on the hygiene and cleanliness of the zoo and the landscape surrounding the zoo?</p>	Yes, All the waste materials are removed every day.	
<p>(a) In which cases improvement is recommended?</p>	NA	
<p>(b) Are the dimensions and designs of the feeding cells and kraals as per the standards specified by the Central Zoo Authority?</p>	Yes	Yes
<p>(c) Cases of deviation, if any?</p>	No	

5.3	Visual observation on daily activity pattern of animals and preventive healthcare		
	1. (a) Do the curatorial and the veterinary staff keep a close watch on the general behavior and health parameters of the zoo animals?	Yes	Yes
	(b) Are the animals handled only by the staff having experience and training in handling the individual animals?	Yes	Yes
	(c) Whether periodical health monitoring of animals have been carried out regularly?	Yes	Yes
	2. If any animal shows any sign of dullness, loss of appetite, injury or abnormal behavior: is the animal thoroughly assessed and provided medical attention promptly as per the standards specified by the Central Zoo Authority in this regard from time to time and the direction of the zoo administration?	Yes	Proper attention is paid by keeper as well as veterinary assistant.
	3. Is every zoo animal screened for parasitic loads as per written schedule prepared by the zoo in consultation with the veterinary officer and prophylactic medicines administered as per clinical requirements and vaccination of animals against infectious diseases are also done, as per the schedule prescribed by the Veterinary Officer from time to time?	Yes. It is being done on a regular basis	
	4. Whether the zoo have written schedule of vaccination and de-worming of different species of the zoo animals and displayed at the enclosure site?	Deworming is carried out on 19 th July, 19 th October, 19 th January and 19 th April of every year. Vaccination dates for different animals have been fixed and it is regularly monitored.	As per record last deworming had been done on 19 th July.
	5. Does the zoo maintains detailed records of observations of biological and social behavior and health status of the animals including feed intake, medication and treatment cards as per standards specified by the Central Zoo Authority?	Yes	All prescribed records are maintained.
6. Are all staff involved with upkeep and healthcare of zoo animals screened against zoonotic diseases once every year and those found positive to any communicable disease are provided appropriate treatment till they get cured and become free of the infection and during the period of such treatment, the infected employees are kept away from the responsibility of upkeep and healthcare of the animals?	Yes	All staff involved with upkeep and healthcare of zoo animals should be screened against zoonotic diseases once every year.	
7. Whether the zoo has clause of employing a zoo keeper temporarily ailing for usefully utilizing them elsewhere in the zoo in the intervening period.	Yes	Yes	

	<p>8. Every zoo should have formal linkages through a MoU on healthcare, preventive, health management, surgical intervention, clinical tests, disease diagnosis and consultation in treatment and management during the period of convalescence.</p>	<p>Health Advisory Committee has been formed by WBZA. Regular support exists from ARD Department. A Health Advisory Committee has been formed as per the directives of Central Zoo Authority. This committee is consisting of- The Director, Animal Husbandry & Veterinary Services Joint Director, ARD IAH & VB (R & T) Belgachia, Kolkata-37 Dr. Joyjit Mitra, Specialist (Sero-Epidemiology) RDDDL (ER), IAH & VB, Belgachia, Kolkata-37 Dr. Debasish Chatterjee, Asst. Director, ARD(Vety) (Disease Investigation), IAH & VB, Belgachia, Kolkata-37 Dr. Proloy Mandal, Asst. Director, ARD (Vety), IAH & VB Belgachia, Kolkata-37.</p>	
	(a) Whether the zoo has any such MoU with the nearest veterinary institution?	Yes, Animal Resource Development Department, Govt. of West Bengal	
	(b) Whether the MoU contains names and contact details of person/persons to be contacted to assist	Yes, Govt. Order Issued. Vet. Surgeon	
	zoo management in all aspects in health management for zoo animals?	Ph. No. 8170843239	
6. Veterinary and Infrastructure Facilities			
5.1	<p>Zoo hospital (a) Are veterinary facilities appropriate to the size and type of the animal collection of the zoo including isolation ward and quarantine facilities located away from the hospital and other animal collections?</p>	Yes. Construction of Quarantine center is under process	Quarantine facility is yet to be developed.
	(b) Does the zoo have a full fledged veterinary unit with all basic diagnostic facilities, pharmacy, diagnostic and treatment room, comprehensive range of drugs, operation theatre and in-patient wards?	Yes	Time to time upgradation is required.

(c) Are there suitable and appropriately designed holding facilities for animals requiring extensive medical care?	Yes	
(d) Whether the veterinary facilities have a separate area / room for equipment cleaning and sterilization?	Yes	Expansion is required.
(e) Whether the zoo has basic hospital and monitoring equipment:		
✓ refrigerator (50C)	Yes	Upgradation of hospital facility is required. Portable X-Ray machine, Ultrasound machine should also be procured. Medical staff should be properly trained.
✓ Stethoscope	Yes	
✓ freezer (-170 C)	No	
✓ Scales for weighing animals	Yes	
✓ Transponders for animal ID and transponder reader	No	
✓ Ultra – low freezer (-700C) for serum banking and diagnostic samples	No	
✓ ophthalmoscope	No	
✓ otoscope	No	
✓ thermometer	Yes	
✓ capture equipment (i.e. darts and dart projectors)	No	
✓ laryngoscope and blades	No	
✓ endotracheal tubes	No	
✓ oxygen support (regulators and demand valves)	Yes	
✓ inhalation anesthesia machine that can support a tiger-sized animal	No	
✓ Isoflurane vaporizer	No	
✓ Anesthesia monitoring equipment (Single or multiparameter)	No	
✓ Pulse oximeter	Yes	
✓ ECG (blood pressure monitor included)	No	
✓ Basic surgery instruments	Yes	
✓ Surgical light	Yes	
✓ autoclave	No	
✓ basic dental instruments	No	
(f) Whether the zoo has basic diagnostic support to enable and make rapid assessments of physiologic status of sick and injured animals:	Yes	
✓ Hematocrit and hematocrit centrifuge for Packet Cell Volume	No	
✓ Hand-held refractometer for Total Serum Solids	No	
✓ Hemacytometer and associated items for Manual RBC and WBC counts	No	
✓ Standard laboratory centrifuge, microscope and glassware for Fecal Parasite Examination	No	
✓ Standard laboratory centrifuge and glassware for Serum / Plasma separation	No	

	(g) Whether the zoo has arrangements of reference laboratory support and rapid transportation of diagnostic samples to nearest veterinary institution equipped with following facilities: <ul style="list-style-type: none"> ✓ Automated blood cell counting ✓ Clinical chemistry ✓ Bacterial culture and antibiotic susceptibility ✓ Viral isolation and identification ✓ Antibody/ antigen serology ✓ Pathogen identification through ELISA or PCR ✓ Toxic agent analysis ✓ Parasite identification 	Yes																
	h) Has the zoo acquired sophisticated and costly diagnostic equipments for which there are no technically qualified manpower to operate and use the same?	No																
	(i) Whether the veterinarian and technician have requisite training for equipment use and data analysis?	NA																
	(j) Are there proper storage facilities for various medicaments and chemical immobilization drugs?	Yes																
	(k) If a mini zoo, does it have at least facilities of a treatment room?	Yes																
6.2	Animal restraint (1) Whether the zoo has appropriate animal restraint equipment, accessories and drugs?	No																
	(2) Whether the animal restraint equipment are being kept and maintained as per standard protocol?	No																
	(3) Whether the veterinarian and technician have requisite training in equipment use and animal restraint techniques including handling of drugs and management of human emergencies?	No																
	(4) Is it the restraint of an animal requiring chemical immobilization done exercising utmost care and following the standards specified in this regard by the Central Zoo Authority from time to time?	No																
	(5) Whether the veterinarian has requisite training in Animal immobilization with specific reference to wildlife?	No																
	(6) Is there a dedicated refrigerator for storage of chemical restraint drugs?	Yes																
6.3	Veterinary support Staff Does the zoo have the zoo veterinary support staff as specified in the Table below: namely-	Garchumuk Zoological Garden (Mini Zoo) as per requirement Stockman/compounder/Veterinary Assistant is working																
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Sl. No.</th> <th style="width: 25%;">Support Staff</th> <th style="width: 15%;">Large Zoo</th> <th style="width: 15%;">Medium Zoo</th> <th style="width: 15%;">Small Zoo</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Lab Assistant (Technical)</td> <td>1</td> <td>1</td> <td></td> </tr> <tr> <td>2</td> <td>Stockman / compounder</td> <td>2</td> <td>1</td> <td>1</td> </tr> </tbody> </table>	Sl. No.	Support Staff	Large Zoo	Medium Zoo	Small Zoo	1	Lab Assistant (Technical)	1	1		2	Stockman / compounder	2	1	1		
Sl. No.	Support Staff	Large Zoo	Medium Zoo	Small Zoo														
1	Lab Assistant (Technical)	1	1															
2	Stockman / compounder	2	1	1														

6.4	Wildlife veterinary medical education and training 1. Does the zoo have linkages with the eminent institutions and organizations working in the field of wild animal healthcare with the objectives to provide for : a) Assistant in scientific diagnosis of diseases of serious nature and advice on the effective remedial treatment. b) Training and upgrading technical skills of animal health staff. c) Development of protocols for preventive medicines and vaccination.	1. West Bengal University of Animal & Fishery Sciences 2. Animal Husbandry & Veterinary Services, West Bengal 3. Bengal Veterinary College and Hospital, Belgachia	
	2. Whether the veterinary officer has requisite training / education in wildlife medicine/health?	Yes	
	3. Whether the zoo has any training programme/residency for skill development for the zoo veterinary medical officer in wildlife medicine in a large foreign zoo?	Zoo keepers Training Programs are organised at Zoological Garden, Alipore, Garchumuk Zoological Garden and many other Zoo within or outside West Bengal. Training programs are also being arranged every fortnight at the Zoo premises.	
7.1	Post-mortem facilities 1. Does the zoo unless it is mini zoo have a modern post mortem room, equipped with sufficient light and post mortem equipment?	The post mortem room has been constructed. It is well equipped with sufficient light and post mortem equipment	
	2. Whether the zoo veterinarian has specialized knowledge and skills in wildlife pathology?	Yes	
	3. Is there availability of pathology support from nearest veterinary institution to provide specialized capabilities and constitution particularly for post mortem of an endangered species requiring definitive diagnosis and collection of samples in a scientific way and as per protocols required by reference laboratories / veterinary Institute?	Yes	
	4. Does every animal dying in the zoo is being subjected to a detailed post mortem examination by registered veterinarian to determine conclusively the cause of the death?	Yes	

7.2	Are the findings of the post-mortem examination referred to in sub-paragraph (1) recorded in such format as have been prescribed by the Central Zoo Authority in this regard and is it maintained for a period of not less than six years?	Yes	
7.3	1. In the event of the post mortem being inconclusive and so specific reason for death is identified, do the zoo authorities send the samples of the tissue and organs, blood, viscera etc. for further examination to the qualified diagnostic laboratory having adequate specialization for further investigation and identifying the cause of death?	Yes, if required	
	2. Whether the post mortem report is corroborated with other diagnostic findings in consultation with specialized reference laboratories/veterinary institutions?	Yes	
7.4	Does the zoo ensure that the carcasses of the animals after the post mortem has been conducted, is disposed off by burying or burning in a manner that does not have any adverse impact on the hygiene and cleanliness of the zoo?	Yes	
	a) Are the carcasses of large cats disposed off by burning in the presence of Director of the zoo or any officer in the next rank to him and authorized by him	Yes, as and when required	
	b) Are the carcasses of animals which died due to Anthrax or such other communicable diseases not opened and subjected to post-mortem, as a safeguard against spread of the disease and they are buried intact?	Not required so far	
8. Euthanasia			
8.1	No animal in the zoo shall be euthanized unless doing so is essential for relieving from suffering from incurable disease / condition as per the norms of CZA	Yes	No animal has been euthanized so far.
9. Acquisition and breeding of animals			
9.1	Are animals of various species kept and maintained in social viable groups and with such a sex ratio that optimizes breeding and helps in developing a self sustaining population of each species?	Yes	
9.2	(a) Has the zoo acquired animals based on scientific assessment of its lineage and genetic relatedness to safeguard against ill effects of inbreeding on the zoo population through exchange, loaning and getting gifts of animals from other zoos?	Yes	
	(b) If there is any deviation, details thereof.	NA	
9.3	(a) Has the zoo acquired single animals or genetically non-viable number of animals unless such acquisition is necessary for pairing of single animals or making the group genetically/biologically viable?	No	
	(b) Please indicate such cases.	No	

9.4	(a) Has the zoo tried to acquire mates for single and unpaired animals on priority basis and in the event of any zoo failing to find a mate for single and unpaired animal within a period of six months the unpaired or single animal have been transferred or exchanged or given on breeding loan to any other zoo in accordance with the norms specified by the Central Zoo Authority in this regard?	Yes	
	(b) Please indicate unpaired species, its sex and for the period it has been kept unpaired.	New crocodiles have been introduced	
9.5	Has the zoo transported animals from one place to another and if so CZA transportation protocols were followed? For the purpose of transportation of animals from one place to another are the standards specified in this regard by the CZA complied with.	Yes	
9.6	a. Has the Central Zoo Authority assigned any endangered species for Conservation Breeding Programme to the zoo, if so please indicate?	The Central Zoo Authority has not assigned any endangered species for Conservation Breeding Programme to the zoo but West Bengal Zoo Authority has assigned Fishing Cat Conservation breeding Program to the zoo.	
	b. If a scientific conservation breeding plan species recovery plans for the species have been prepared or not? If the plan is being followed by the zoo?	WBZA plan had been prepared and it is duly followed.	
	c. Is the Conservation Breeding Facility situated in off display area of the zoo?	Conservation Breeding Facility is situated behind the display area of the zoo.	
	d. Has the founder population of the species bred in zoo, indicate numbers bred in the zoo?	No. Project had to kick off	
	e. Have the animals been conditioned for reintroduction in the wild?	NA	
	f. Has there been sufficient technical inputs from the species experts? Please elaborate the responsibility of conservation breeding of the identified critically endangered species to identified zoos having technical capabilities and housing facilities,	Yes, The conservation breeding program of Fishing Cat is being implemented in the Zoo,	
	preferably close to the distribution range of the species and every zoo shall help the identified zoos in implementing the breeding programme. Please indicate specific cases for the zoo.	with the ultimate goal of release them back to nearby natural habitat to ensure its viability.	
9.7	Has the zoo spared surplus animals from the inbreeding population to the participating zoos for display purposes on the basis of quality of housing and infrastructural facilities available with the concerned zoos?	Yes	

9.8	With a view to prevent inbreeding and the loss of heterozygosity is the zoo maintaining the animal history cards & stud and herd book for the animals of endangered species housed in the zoo and putting appropriate identification marks for transfer or exchange animals with other zoos?	Yes. Under process	
9.9	a. Is the zoo limiting the number of animals of each species within the limits set by the animal collection plan of the zoo by implementing appropriate population control measures like segregation of sexes, vasectomy, tubectomy and implantation of pellets etc., with due consideration of the health and welfare of the animals and interest of their long term survival? Please indicate species wise numbers over the last three years.	Collection plan has been prepared and awaited for approval of CZA	
	b. What methods of population control were employed and comparative success?	NA	
9.10	Has the zoo implemented disaster management plan, training and mock drills to prevent accidents in the zoo in accordance with master plan?	Under Process	Disaster management plan has to be prepared and proper training along with mock drill have to be carried out from time to time.
	Indicate action taken for safeguard against any accident/escape of the zoo animals from the premises of the zoo and in the event of any accidental escape, immediate action was taken to retrieve the escaped animals?	So far, no such incidence has taken place, but the zoo is prepared to tackle any situation.	
9.11	Has the zoo released any surplus captive animal into the wild except in accordance with the norms specified by the Central Zoo Authority in this regard? Annex details	No	
9.12	Is the hybridization of species or races of same species taking place in the zoo? Which species?	No	
10. Research Activities			
10.1	a. Has the zoo implemented a research plan as indicated in the Master Plan and conducted research on the prioritized species and specific areas of concern?	Yes. Porcupine Fishing Cat Soft shelled Turtle Bacterial screening of fecal samples collected from different captive wild animals housed in zoos of West Bengal	
	b. Has the zoo accessed grants from CZA or other institutions/agencies for the Research Project. Indicate details and outcomes?	No	

9.4	c. Is the zoo carrying out collaborative research for evolving innovative strategies for providing the animals housed in the zoo a better quality of life. Enhanced longevity, higher genetic and behavioural viability and improved reproduction potential and to achieve the said goal. (Every zoo, other than minizoo, shall make arrangements for meticulous recording of data on the social behavior, group dynamics and reproductive biology of the species housed in the zoo and developing a data base to be shared with other zoos and the identified institutions in accordance with norms specified by the Central Zoo Authority in this regard)	Yes, work on Fishing cat and turtles is going on.	
	d. Research Paper/ technical reports published. Details of its implementation.	NA	

11. Education and Outreach Activities

11.1	a. Has the zoo made efforts to educate the visitors to the zoo and the people at large about the significance of wildlife conservation for the general well-being of the people and keeping the life support system of nature intact and to make people aware about the role played by the zoos in this regard and the ways and means through which general public can participate and contribute for the same?	Yes	
	b. Whether the zoo has appropriate signages and interpretation facilities, souvenir shop, Library Facility accessible dedicated Website and carrying out the Outreach and awareness, Guided Tour, celebrations of various events.	Yes. Signages are already done and various events such as, Wildlife Day, Earth Day, Ban Mahaotsav etc. are celebrated at zoo. Besides, different outreach programs and awareness program are celebrated at the zoo	
11.2	Is physical handling or performances by animals permitted as part of educational activity?	No	

12. Visitor Facilities

12.1	Is the zoo providing adequate civic facilities for visitors appropriate and convenient places in the zoo including physically disadvantaged persons and such facilities are so located that they do not mask or impact the view of enclosures?	Yes	
	a. Drinking Water	Yes	
	b. Urinals	Yes	
	c. Ramps	NA	
	d. Wheel chairs	Yes	
	e. Battery Operated vehicles	No	
	f. Lawns	Yes	
	g. Visitor shed	Yes, 2	
	h. Kiosks	No	

	i. rain shelters	Yes	
	j. cloak rooms for the visitors	Under Process	
	k. zoo visitor guides	No	
	l. Public Announcement systems, fire alarm, during emergency.	Yes	
12.2	Does the zoo have first aid facilities including snake anti-venom and life saving drugs, readily available in the zoo premises?	Yes	
12.3	Is the zoo making arrangements for providing access to the physically challenged persons for viewing wild animals at various animal enclosures?	Yes	

**PART-IV
RECOMMENDTION**

(On the basis of observations of the status as per Recognition of Zoo Rules, 2009)

Sr. No	Norm No.	Particulars of suggestions/recommendation	Time period to comply
1	10.4(2)	The enclosure of crocodilians should be provided sand bank/sand bar of suitable dimensions for basking.	3 months
2	10.4(6)	Turtle enclosure should be provided with suitable enrichment features such as logs of wood for basking	3 months
3	10.5(5)	Drainage of deer enclosure should be ensured so that there is no stagnant water.	3 months
4	10.1(7)	Liquid waste management and storm water drainage system should be underground.	6 months
5	10.3(5)	Rescued animals as well as seized animals covered under different offence should be reported to CWLW and CZA as per their schedule.	Immediately
6	10.7(1)	The post mortem room should have a <i>pucca</i> platform, top surface with glazed tiles and underground pipe fitted for drainage along with tiled floor.	3 months
7	10.9(10)	Preparation of disaster management plan, training and mock drill should be carried out to prevent accidents in the zoo.	3 months

(Name and Signature of evaluating officer/s)

Annexure 1: Total no. of animals exhibited by the zoo

Sl. No.	Animal Name	Animal No.
1.	Fishing Cat	10
2.	Jungle Cat	5
3.	Himalayan Porcupine	6
4.	Chital/ Spotted Deer	91
5.	Marsh Crocodile	5
6.	Black Pond Turtle, Spotted Pond turtle	6
7.	Indian flapshell turtle	481
8.	Indian Softshell Turtle, Ganges Softshell Turtle	11
9.	Peacock Softshell Turtle	3
10.	Indian Tent Turtle	14
11.	Indian Rock Python	4
12.	Asian Water Monitor	0
13.	Indian Star Tortoise	20
14.	Indian Peafowl	5
15.	Fischer's Lovebird	8
16.	Lilian's Lovebird, Nyasa Lovebird	7
17.	Black-masked Lovebird, Masked Lovebird, Yellow collared Lovebird	3
18.	Peach-faced Lovebird, Rosy-faced Lovebird	5
19.	Blue-and-gold Macaw, Blue-and-yellow Macaw	2
20.	Umbrella Cockatoo, White Cockatoo	1
21.	Greater Sulphur crested Cockatoo, Sulphur-crested Cockatoo (ssp.eleonora)	0
22.	Lady Amherst's Pheasant	3
23.	Golden Pheasant	5

24.	Domestic Pigeon (German Beauty Homer)	7
25.	Emu	4
26.	Red Junglefowl	5
27.	Diamond Dove	11
28.	Java Sparrow	26
29.	Silver Pheasant	8
30.	Budgerigar	78
31.	Cockatiel	33
32.	Alexandrine Parakeet	9
33.	Rose-ringed Parakeet	77
34.	Blossom-headed Parakeet	6
35.	Grey Parrot, Jacquot	0
36.	Green-cheeked Conure, Green cheeked Parakeet	4
37.	Zebra Finch	39

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

Flora

SI No.	Common Name	Scientific Name
1.	Akashmoni/ Earleaf Acacia	<i>Acacia auriculiformis</i>
2.	Amlaki/Indian Gooseberry	<i>Phyllanthus emblica</i>
3.	Areca palm	<i>Dyopsis lutescens</i>
4.	Arjun	<i>Terminalia arjuna</i>
5.	Asian palmyra palm	<i>Borassus flabellifer</i>
6.	Bahera	<i>Terminalia bellirica</i>
7.	Bakphul	<i>Sesbania grandiflora</i>
8.	Banyan Tree	<i>Ficus benghalensis</i>
9.	Betel nut	<i>Areca catechu</i>
10.	Blackboard tree/ Chhatim	<i>Alstonia scholaris</i>
11.	Chapati	<i>Holoptelea intergrifolia</i>
12.	Cluster Fig Tree	<i>Ficus racemosa</i>
13.	Coconut	<i>Cocos nucifera</i>
14.	Date palm/Khejur	<i>Phoenix dactylifera</i>
15.	Elephant Wood apple	<i>Feronia limonia</i>
16.	Eucalyptus	<i>Eucalyptus obliqua</i>
17.	Flame-of-the-forest, Sacred tree	<i>Butea monosperma</i>
18.	Golden shower tree/ Sonalu	<i>Cassia fistula</i>
19.	Guava	<i>Psidium guajava</i>
20.	Gum arabic tree/Babla	<i>Vachellia nilotica</i>
21.	Hibiscus	<i>Hibiscus rosa-sinensis</i>
22.	Indian Bay Leaf/ Tej Pata	<i>Cinnamomum tamala</i>
23.	Indian Bel/Marmelos Tree	<i>Aegle marmelos</i>
24.	Indian Jujube/Kul	<i>Ziziphus mauritiana</i>
25.	Indian Sandalwood	<i>Santalum album</i>
26.	Jackfruit/Kanthal	<i>Artocarpus heterophyllus</i>
27.	Jamun/Java Plum	<i>Syzygium cumini</i>
28.	Java Apple/Jamrul	<i>Syzygium samarangense</i>

29.	Java Olive Tree	<i>Sterculia foetida</i>
30.	Kadam/Burflower Tree	<i>Neolamarckia cadamba</i>
31.	Kanchan	<i>Bauhinia variegata</i>
32.	Krishnachura/Gulmohar/Royal poinciana	<i>Delonix regia</i>
33.	Lambu	<i>Dysoxylum aliaceum</i>
34.	Lotus Flower	<i>Nelumbo nucifera</i>
35.	Mahogany	<i>Swietenia mahagoni</i>
36.	Mango	<i>Mangifera indica</i>
37.	Mulberry Tree	<i>Morus alba</i>
38.	Neem	<i>Azadirachta indica</i>
39.	Peacock Flower	<i>Caesalpinia pulcherrima</i>
40.	Phalsa	<i>Grewia asiatica</i>
41.	Pomelo	<i>Citrus maxima</i>
42.	Queen's crepe-myrtle, Pride of India	<i>Lagerstroemia speciosa</i>
43.	Radhachura	<i>Peltophorum pterocarpum</i>
44.	Rain Tree	<i>Albizia saman</i>
45.	Red Bottlebrush	<i>Callistemon citrinus</i>
46.	Red Sandalwood	<i>Pterocarpus santalinus</i>
47.	Rose Apple Tree	<i>Syzygium jambos</i>
48.	Rudraksha	<i>Elaeocarpus ganitrus</i>
49.	Sacred Fig/ Aswattha	<i>Ficus religiosa</i>
50.	Sai Babla/ Jangli jilabi	<i>Pithecelobium dulce</i>
51.	Sal Tree	<i>Shorea robusta</i>
52.	Sapodila/ Sabeda	<i>Manilkara zapota</i>
53.	Shirish	<i>Albizia lebbek</i>
54.	Simul/ Malabar silk cotton tree	<i>Bombax ceiba</i>
55.	Sissoo	<i>Dalbergia sissoo</i>
56.	Starfruit	<i>Averrhoa carambola</i>
57.	Subabul	<i>Leucaena leucocephala</i>
58.	Tamarind	<i>Tamarindus indica</i>
59.	Teak	<i>Tectona grandis</i>
60.	Wood Apple	<i>Limonia acidissima</i>
61.	White Sandalwood	<i>Santalum album</i>

Fauna

Sl. No.	Common Name	Scientific Name
MAMMALS		
1	Rhesus Macaque	<i>Macaca mulatta</i>
2	Small Indian Civet	<i>Viverricula indica</i>
3	Asian Palm Civet	<i>Paradoxurus hermaphroditus</i>
4	Fishing Cat	<i>Prionailurus viverrinus</i>
5	Jungle Cat	<i>Felis chaus</i>
6	Bengal Fox	<i>Vulpes bengalensis</i>
7	Common Flying Fox	<i>Pteropus giganteus</i>
8	Common Mongoose	<i>Herpestes edwardsii</i>
9	Small Indian Mongoose	<i>Herpestes auropunctatus</i>
10	Common Five striped Squirrel	<i>Funambulus pennantii</i>
11	Common Bandicoot	<i>Peramelemorphia</i>
12	Bengal Mole	<i>Bandicota bengalensis</i>
13	Common Indian Hare	<i>Lepus nigricollis</i>
BIRDS		
1.	Common Myna	<i>Acridotheres tristis</i>
2.	Jungle Myna	<i>Acridotheres fuscus</i>
3.	Asian Pied Starling/ Pied Myna	<i>Gracupica contra</i>
4.	Brahminy Starling	<i>Sturnia pagodarum</i>
5.	Chestnut-tailed Starling/ Grey headed Myna	<i>Sturnia malabarica</i>
6.	Greater coucal	<i>Centropus sinensis</i>
7.	House Crow	<i>Corvus splendens</i>
8.	Large Billed Crow	<i>Corvus macrorhynchos</i>
9.	Rufous Treepie	<i>Dendrocitta vagabunda</i>
10.	Red vented Bulbul	<i>Pycnonotus cafer</i>
11.	Red Whiskered Bulbul	<i>Pycnonotus jocosus</i>
12.	Jungle Babbler	<i>Turdoides striata</i>
13.	Blossom Headed Parakeet	<i>Psittacula roseata</i>
14.	Rose Ringed Parakeet	<i>Psittacula krameri</i>
15.	Alexandrine Parakeet	<i>Psittacula eupatria</i>

16.	Brown Leaf Warbler	<i>Phylloscopus collybita</i>
17.	Black Redstart	<i>Phoenicurus ochruros</i>
18.	Blue Whistling Thrush	<i>Myophonus caeruleus</i>
19.	Blue Throated Barbet	<i>Megalaima asiatica</i>
20.	Coppersmith Barbet	<i>Megalaima haemacephala</i>
21.	Large green Barbet	<i>Megalaima zeylanica</i>
22.	Lineated Barbet	<i>Megalaima lineata</i>
23.	White throated Kingfisher	<i>Halcyon smyrnensis</i>
24.	Common Kingfisher	<i>Alcedo atthis</i>
25.	Blue Eared Kingfisher	<i>Alcedo meninting</i>
26.	Stork billed Kingfisher	<i>Pelargopsis capensis</i>
27.	Lesser pied Kingfisher	<i>Ceryle rudis</i>
28.	Black Breasted Sunbird	<i>Aethopyga saturata</i>
29.	Purple rumped Sunbird	<i>Leptocoma zeylonica</i>
30.	Purple Sunbird	<i>Cinnyris asiaticus</i>
31.	Common Sandpiper	<i>Actitis hypoleucos</i>
32.	Green Sandpiper	<i>Tringa ochropu</i>
33.	Common Wood Shrike	<i>Tephrodornis pondicerianus</i>
34.	Brown Shrike	<i>Lanius cristatus</i>
35.	Black-winged Cuckooshrike	<i>Coracina melaschistos</i>
36.	Chestnut Headed Bee eater	<i>Merops leschenaulti</i>
37.	Green Bee eater	<i>Merops orientalis</i>
38.	Common Swallow	<i>Hirundo rustica</i>
39.	Common Hawk Cuckoo/Papia	<i>Hierococcyx varius</i>
40.	Asian koel	<i>Eudynamys scolopaceus</i>
41.	Common Cuckoo	<i>Cuculus canorus</i>
42.	Paradise Flycatcher	<i>Terpsiphone paradisi</i>
43.	Taiga Flycatcher	<i>Ficedula albicilla</i>
44.	House Sparrow	<i>Passer domesticus</i>
45.	Bengal Bush Lark	<i>Mirafra assamica</i>
46.	Paddyfield Pipit	<i>Anthus rufulus</i>
47.	Olive-backed Pipit	<i>Anthus hodgsoni</i>
48.	Great Tit	<i>Parus major</i>

49.	Grey Tit	<i>Parus cinereus</i>
50.	Indian Ring Dove/Eurasian collared Dove	<i>Streptopelia decaocto</i>
51.	Spotted Dove	<i>Spilopelia chinensis</i>
52.	Blue Rock Pigeon/Common Pigeon	<i>Columba livia</i>
53.	Yellow-footed green Pigeon	<i>Treron phoenicoptera</i>
54.	Grey Nightjar	<i>Caprimulgus jotaka</i>
55.	Oriental Magpie Robin	<i>Copsychus saularis</i>
56.	Palm swift	<i>Cypsiurus balasiensis</i>
57.	Scarlet Minivet	<i>Pericrocotus speciosus</i>
58.	Small Minivet	<i>Pericrocotus cinnamomeus</i>
59.	Scaly-breasted Munia	<i>Lonchura punctulata</i>
60.	Red Avadavat	<i>Amandava amandava</i>
61.	Indian Roller	<i>Coracias bengalensis</i>
62.	Yellow Wagtail	<i>Motacilla flava</i>
63.	White Wagtail	<i>Motacilla alba</i>
64.	Citrine Wagtail	<i>Motacilla citreola</i>
65.	Forest Wagtail	<i>Dendronanthus indicus</i>
66.	Baya weaver	<i>Ploceu philippinus</i>
67.	Common Hoopoe	<i>Upupa epops</i>
68.	Greater Flameback	<i>Chrysocolaptes guttacrstatus</i>
69.	Black-rumped Flameback	<i>Dinopium benghalense</i>
70.	Fulvous-breasted woodpecker	<i>Dendrocopos macei</i>
71.	Common Iora	<i>Aegithina tiphia</i>
72.	Black Drongo	<i>Dicrurus macrocercus</i>
73.	Black Hooded Oriole	<i>Oriolus xanthornus</i>
74.	Black headed Oriole	<i>Oriolus larvatus</i>
75.	Golden Oriole	<i>Oriolus oriolus</i>
76.	Black-naped Oriole	<i>Oriolus chinensis</i>
77.	Common Tailorbird	<i>Orthotomus sutorius</i>
78.	Pale Billed Flowerpecker	<i>Dicaeum erythrorhynchos</i>
79.	Scarlet backed Flowerpecker	<i>Dicaeum cruentatum</i>
80.	Jerdon' Leafbird	<i>Chloropsis jerdoni</i>
81.	Brahminy Kite	<i>Halia sturindus</i>
82.	Black Kite	<i>Milvus migrans</i>

83.	Black Winged Kite	<i>Elanus caeruleus</i>
84.	Shikra	<i>Accipiter badius</i>
85.	Honey Buzzard	<i>Pernis apivorus</i>
86.	Barn Owl	<i>Tyto alba</i>
87.	Spotted Owlet	<i>Athene brama</i>
88.	Open-bill Stork	<i>Anastomus oscitans</i>
89.	Black Stork	<i>Ciconia nigra</i>
90.	Fantail Snipe	<i>Gallinago gallinago</i>
91.	Cattle Egret	<i>Bubulcus ibis</i>
92.	Little Egret	<i>Egretta garzetta</i>
93.	Pond Heron	<i>Ardeola grayii</i>
94.	Purple Heron	<i>Ardea purpurea</i>
95.	Black-Crowned Night Heron	<i>Nycticorax nycticorax</i>
96.	Bronze winged Jacana	<i>Metopidius indicus</i>
97.	Purple Moorhen	<i>Porphyrio porphyrio</i>
98.	Common Moorhen	<i>Gallinula chloropus</i>
99.	Little Cormorant	<i>Microcarbo niger</i>
100.	White breasted Water hen	<i>Amaurornis phoenicurus</i>
101.	Cotton Pigmy goose	<i>Nettapus coromandelianus</i>
102.	Little grebe	<i>Tachybaptus ruficollis</i>
103.	Lesser Whistling Teal	<i>Dendrocygna javanica</i>
104.	Large Whistling Teal	<i>Dendrocygna bicolor</i>
REPTILES		
1	Indian Soft Shelled Turtle	<i>Nilssonina gangetica</i>
2	Indian Flapshell Turtle	<i>Lissemys punctata</i>
3	Bengal Monitor Lizard	<i>Varanus bengalensis</i>
4	Water Monitor	<i>Varanus salvator</i>
5	Spectacled Cobra	<i>Naja naja</i>
6	Monocled Cobra	<i>Naja kaouthia</i>
7	Common Krait	<i>Bungarus caeruleus</i>
8	Banded Krait	<i>Bungarus fasciatus</i>
9	Russell's Viper	<i>Daboia russelii</i>
10	Rat Snake	<i>Ptyas mucosa</i>
11	Checkered Keelback	<i>Xenochrophis piscator</i>
12	Green Keelback	<i>Rhabdophis plumbicolor</i>

13	Striped Keelback	<i>Amphiesma stolatum</i>
14	Vine Snake	<i>Ahaetulla nasuta</i>
AMPHIBIANS		
1	Indian Bull Frog	<i>Hoplobatrachus tigerinus</i>
2	Common Indian Toad	<i>Duttaphrynus melanostictus</i>
3	Indian Painted Frog/Sri Lankan Bullfrog	<i>Kaloula taprobanica</i>
BUTTERFLY		
1	Common Jay	<i>Graphium doson</i>
2	Tailed Jay	<i>Graphium agamemnon</i>
3	Common Mime	<i>Papilio clytia</i>
4	Lime Butterfly	<i>Papilio demoleus</i>
5	Common Mormon	<i>Papilio polytes</i>
6	Blue Mormon	<i>Papilio polymnestor</i>
7	Common Rose	<i>Pachlio ptaaristolochiae</i>
8	Mottled Emigrant	<i>Catopsilia pyranthe</i>
9	Common Emigrant	<i>Catopsilia pomona</i>
10	Common Jezebel	<i>Delias eucharis</i>
11	Psyche	<i>Leptosia nina</i>
12	Indian Cabbage White	<i>Pieris canidia</i>
13	Striped Albatross	<i>Appias olferna</i>
14	Common Albatross	<i>Appias albina</i>
15	Common Wanderer	<i>Pareronia valeria</i>
16	Common Grass Yellow	<i>Eurema hecabe</i>
17	Yellow Orange Tip	<i>Ixias pyrene</i>
18	Striped Pierrot	<i>Tarucus nara</i>
19	Common Cerulean	<i>Jamides celeno</i>
20	Common Silverline	<i>Cigaritis vulcanus</i>
21	Forget me not	<i>Catochrys opsstrabo</i>
22	Tiny Grass Blue	<i>Zizula hylax</i>
23	Common Bushbrown	<i>Mycalesis perseus</i>
24	Common Five-ring	<i>Ypthima baldus</i>
25	Common Four-ring	<i>Ypthima huebneri</i>
26	Tawny Coster	<i>Acraes terpsicore</i>

27	Common Palmfly	<i>Elymnias hypermnestra</i>
28	Common Leopard	<i>Phalanta phalantha</i>
29	Common Sailer	<i>Neptis hylas</i>
30	Common Castor	<i>Ariadne merione</i>
31	Danaid Eggfly	<i>Hypolimnas misippus</i>
32	Blue Tiger	<i>Tirumala limniace</i>
33	Striped Tiger	<i>Danaus genutia</i>
34	Plain Tiger	<i>Danaus chrysippus</i>
35	Common Indian Crow	<i>Euploea core</i>
36	Common Evening Brown	<i>Melanitis leda</i>
37	Rice Swift	<i>Borbo cinnara</i>
38	Brown Awl	<i>Badamia exclamationis</i>