



Government of West Bengal
Directorate of Forests
Office of the Ex-officio Director, Garchumuk Zoological Garden (Mini Zoo) &
Divisional Forest Officer, Howrah Division
5, Dalmia Park, Stadium Complex, Howrah-711101, West Bengal
Phone No. 033-2641-1772, E-Mail-dfohowrah@gmail.com

Memo No. : 3038 /28-46/23

Dated :31/08/2023

To : The Dy. Inspector General of Forests
Central Zoo Authority
Ministry of Environment, Forest & Climate Change
B-1 Wing, 6th Floor, Pt. Deendayal Antyodaya Bhawan
C.G.O. Complex, Lodhi Road, New Delhi 110 003

Sub: Submission of Annual Report (duly filled in template) of the Garchumuk Zoological Garden (Mini Zoo), Ulughata, Howrah for the year 2022-23

Sir / Ma'am,

With reference to the above, this is to submit herewith Annual Report (dully filled in the Template) in respect of the Garchumuk Zoological Garden (Mini Zoo) for the year 2022-23 for favour of your kind information.

Encl: as stated

Yours faithfully

(Niranjita Mitra, WBFS)
Ex-Officio Director,
Garchumuk Zoological Garden (Mini Zoo) &
Divisional Forest Officer, Howrah Division

Memo No. : 3038 /1(2) /28-46/23

Dated :31 /08/2023

Copies along with copy of Annual Report (duly filled in template) of the zoo for the year 2022-23 to the

1. The Member-Secretary, West Bengal Zoo Authority.
2. The Conservator of Forests, Parks & Gardens Circle, West Bengal.

(Niranjita Mitra, WBFS)
Ex-Officio Director,
Garchumuk Zoological Garden (Mini Zoo) &
Divisional Forest Officer, Howrah Division



Garchumuk Zoological Garden **(Mini Zoo)**

Annual Report for the year
2022-23



Ex-officio Director
Garchumuk Zoological Garden (Mini Zoo) &
Divisional Forest Officer, Howrah Division



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1. Report of the Officer-in-charge:

Basically zoo is an establishment where wild animals are kept for display to the public different from Circus and other educational scene.

In the earlier stage this zoo (was not a zoo then) at Garchumuk, Howrah was an enclosure of some deer for displaying public with picnic spot run by the Howrah Zilla Parishad. Public are generally gathered here for their weekly entertainment.

After receiving this enclosure from Howrah Zilla Parishad, the Department of Forest, Howrah Division, actually started to create this zoo as scientific centre for caring the animals and ensuring their welfare and preservation. Lots of works are to be done to connect general public with the animals and inspire everyone to love, value and care for the natural world. Practically the Garchumuk Mini Zoo is now in taking off stage.

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 by Shri Biswajit Roy Chowdhury 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 'Hoḡla' to provide hiding place for the Wild Cats. The enclosure barrier

size 75 mm × 75 mm × 6 mm were erected at 3.5 m interval with chain link fencing of 50 mm × 50 mm mesh of 10 gauge wire embedded in the iron angle posts. One den made of laterite blocks & mud plaster was also constructed inside the enclosure. The said den exists till date and has been preserved as a heritage structure of the Zoo.

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. After about a years' time the breeding pair was complete with the release of one male Fishing Cat in the captive breeding centre on 14.12.1992.

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. It was a circular shaped Aviary of 7.50 metre Diameter and 8 meter height, with a wet moot (tank) encircling the enclosure. Peafowls were displayed in the Aviary & 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 nos, Alexandrine Parakeets: 10 nos, Blossom headed Parakeets: 3 nos, Koel: 5 nos, Hill Myna: 2 nos, Munia: 8 nos, Pariah Kite: 2 nos, 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.

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. But no official records are available to trace the reasons as to why it was not approved.

During the year 2011-12, a proposal offering a young pair of Leopards (*Panthera pardus*) as gift was received from the Director, Sakkarbaug Zoo, Junagadh. However the then ex-officio Director, Garchumuk, expressed his inability to keep the majestic Wild Cat for want of suitable enclosure for the animal.

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)



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 approved master (layout) plan of Garchumuk Deer Park & Mini Zoo, dt. 26/10/2013, has been presented in Annexure II (a).

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 Soft Shelled 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 (*Hystrixbrachyura*)” 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

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.

With the introduction of the Fishing Cats, the Zoo presently qualifies for recognition as a ‘Small Zoo’ & even a ‘Medium Zoo’, based on the criteria’s provided in ‘Rule 9’ of the Recognition of Zoo Rules, 2009 and ‘Rule 2’ of the (amendment) Rules, 2013.

Area of the Zoo:

12.314 Hectare. The area is almost flat. Soil is sandy loam to clay.

Approach:

Garchumuk is well connected with road and rail. One can avail a number of options to reach Garchumuk. It is 60 km from Kolkata and takes around 2.5 hours to reach by road. One can avail a bus heading to Gadiara from Kolkata (Esplanade), and alight at the '58 Gate' stop. The tourists can also drive along NH6 to Uluberia and take left to local road to reach Garchumuk. Trains are available from Howrah, which takes around 45 minutes to reach Uluberia. From Uluberia, one will find jeep, bus or auto to reach Garchumuk at a distance of 15 km only.

Legal status:

Owner of the land is Irrigation & Waterways Deptt., Govt. of West Bengal.

**Flora:**

The common species are Akashmoni (*Acacia auriculiformis*), Sirish (*Albigiaspp*), Arjun (*Terminalia arjuna*), Mango (*Mangifera indica*), Neem (*Azadirachta indica*), Babla (*Acacia nelotica*) etc.

**Detailed list of free living species (Flora) found at Garchumuk
Zoological Garden, Howrah**

Sl. No.	Common Name	Scientific Name
1	Mango	<i>Mangifera indica</i>
2	Akashmoni	<i>Acacia auriculiformis</i>
3	Areka Palm	<i>Dyopsislutescens</i>
4	Arjun	<i>Terminalia arjuna</i>
5	Amlaki/Indian Gooseberry	<i>Phyllanthus emblica</i>
6	Asothhtto/Sacred Fig	<i>Ficus religiosa</i>
7	Babla	<i>Vachellianilotica</i>
8	Bahera	<i>Terminalia bellirica</i>
9	Bakphul	<i>Sesbania grandiflora</i>
10	Bastard teak	<i>Butea monosperma</i>
11	Baniam Tree	<i>Ficus bengalensis</i>
12	Betel Nut Tree	<i>Areca palm</i>
13	Blackberry	<i>Rubus fruticosus</i>
14	Black Palm	<i>Astrocaryumstandleyanum</i>
15	Cluster Fig Tree	<i>Ficus racemosa</i>
16	Chhatim	<i>Alstoniascholaris</i>
17	Coconut	<i>Cocos nucifera</i>
18	Eucalyptus	<i>Eucalyptus obliqua</i>
19	Ghoranim	<i>Melia azedarach</i>
20	Guava	<i>Psidium guajava</i>
21	Gum Arabic Tree	<i>Senegaliasenegal</i>
22	Jam	<i>Acacia acuminata</i>
23	Jamrul	<i>Syzygiumsamarangense</i>
24	Jarul/Queen's Crepe Myrtle	<i>Lagerstroemia speciosa</i>
25	Jamun	<i>Syzygiumcumini</i>
26	Jangli jilabi/SaiBabla	<i>Pithecellobium dulce</i>
27	Java Olive Tree	<i>Sterculia foetida</i>
28	Kadam/Burflower Tree	<i>Neolamarckiacadamba</i>
29	Kanchan	<i>Bauhinia variegata</i>
30	Kanthal	<i>Artocarpus heterophyllus</i>
31	Khejur	<i>Phoenix dactylifera</i>
32	Krishnachura/Gulmohar/Royal poinciana	<i>Delonix regia</i>
33	Kul	<i>Ziziphus mauritiana</i>
34	Mahogany	<i>Swietenia macrophylla</i>
35	Mulberry Tree	<i>Morus alba</i>
36	Marmelos Tree	<i>Aegle marmelos</i>
37	Minjiri	<i>Cordia dichotoma</i>
38	Neem	<i>Azadirachta indica</i>
39	Peacock Flower	<i>Caesalpinia pulcherrima</i>
40	Pitali	<i>Trewianudiflora</i>
41	Phalsa	<i>Grewia asiatica</i>
42	Pomelo	<i>Citrus maxima</i>
43	Radhachura	<i>Peltophorumpterocarpum</i>
44	Rain Tree	<i>Albizia saman</i>
45	Red Sander	<i>Pterocarnus santalinus</i>



47	Rudraksha	<i>Elaeocarpus ganitrus</i>
48	Sabeda/ Sapoddila	<i>Manilkara zapota</i>
49	Sandal Wood	<i>Santalum paniculatum</i>
50	Sissoo	<i>Dalbergia sissoo</i>
51	Sonalu	<i>Cassia fistula</i>
52	Simul/ Malabar silk cotton tree	<i>Bombax ceiba</i>
53	Siamese Cassia	<i>Senna siamea</i>
54	Siris	<i>Albizia lebbek</i>
55	Sal Tree	<i>Shorea robusta</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	TejPata	<i>Cinnamomum tamala</i>
61	Tut	<i>Morus nigra</i>
62	Wood Apple	<i>Limonia acidissima</i>

Climate:

Mainly three seasons appear in the area in a year. The dry season is March to June, the wet season from June to September and winters from December to February. A highly humid atmosphere and abundant rains characterize the climate of Howrah District. The atmosphere is highly humid during May to August. Relative humidity ranges between 60 -

Rainfall:

During recent years the annual average precipitation noted is 1744 mm (approx). of which 70% is received during monsoon months. The rainfall generally increases with the onset of the south-west monsoon during June to September. North-east monsoon comes during October-December with an average rainfall recorded.

Season:

- **Summer time in Garchumuk (From March to May):** Summers are extremely hot. March is the onset of summer season in Garchumuk and it lasts till the end of May. The minimum temperature during summers is over 30°C and the maximum temperature crosses 40°C.
- **Monsoon time in Garchumuk (From June to September):** Monsoon time is generally between the months of June and September. During the monsoon season, Garchumuk experiences heavy showers. The weather remains cool, however the humidity increases. The region receives a heavy rainfall in August when the South west monsoon arrives.
- **Winter time in Garchumuk (From November to February):** In the months of November to February, a pleasant and cool weather prevails. The minimum temperature during the winter time drops down to 9°C and the maximum temperature is about 11°C. This time is generally preferred for traveling because the afternoons and evenings are quite enjoyable due to the cold climate.

Boundary:

East side :Uluberia - Gadiara Road

West side: Damodar River

North side: Kata DamodarNadi (58 Gates)

South side: Garchumuk.

Zoo is surrounded by brick wall from all sides

3. Vision:

The modern zoo has to 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 Garden 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 aspires 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 Garden, 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 Garden has 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 i.e. 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 amongst Zoo visitors 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

S.No.	Particulars	Information
1	Name of the Zoo	Garchumuk Zoological Garden (Mini Zoo)
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-2023, 2025.
11	Category of zoo	Mini Category Zoo
12	Area (in Hectares)	16.836 Acre. The area is almost flat. Soil is sandy loam to clayey.
13	Number of Visitors (Financial Year)	Adult:
		Children:
		Total Indian:
		Total Foreigners:
		Total Visitors: For the period from April - 2020 to March - 2021 :82,085 Nos. 1.Zoo was closed during April-20 to Sept-20 due to pandemic situation. 2. Zoo is closed till date due to repair and renovation presently going on.
14	Visitors' Facilities Available in Zoo	1) Seating Arrangement 2) Visitor's Rest Shed 2) First-Aid Arrangement 3) Facility of Lawns 4) Drinking Water 5) Coffee Parlour 6) Memento Shop



15	Weekly Closure Day of the Zoo	Nil
Management Personnel of the zoo		
016	Name with designation of the Officer in-charge	Ex-officio Director, Garchumuk Zoological Garden (Mini Zoo)& 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 Chongdar
	Name of the Education Officer	Sh. Samya Basu,
	Name of the Compounder/ Lab Assistant	NA
Owner / Operator of the Zoo		
17	*Name of the Operator	Ex-Officio Director, Garchumuk Zoological Garden (Mini Zoo)& Divisional Forest Officer, Howrah Division.
18	Address of the Operator	AranyaBhawan, 7 th floor, Block-LA-10A, Sector-III, Salt Lake City, Kolkata-700 106
19	Contact details/Phone number of Operator	
20	E-mail address of Operator	dfohowrah@gmail.com

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

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

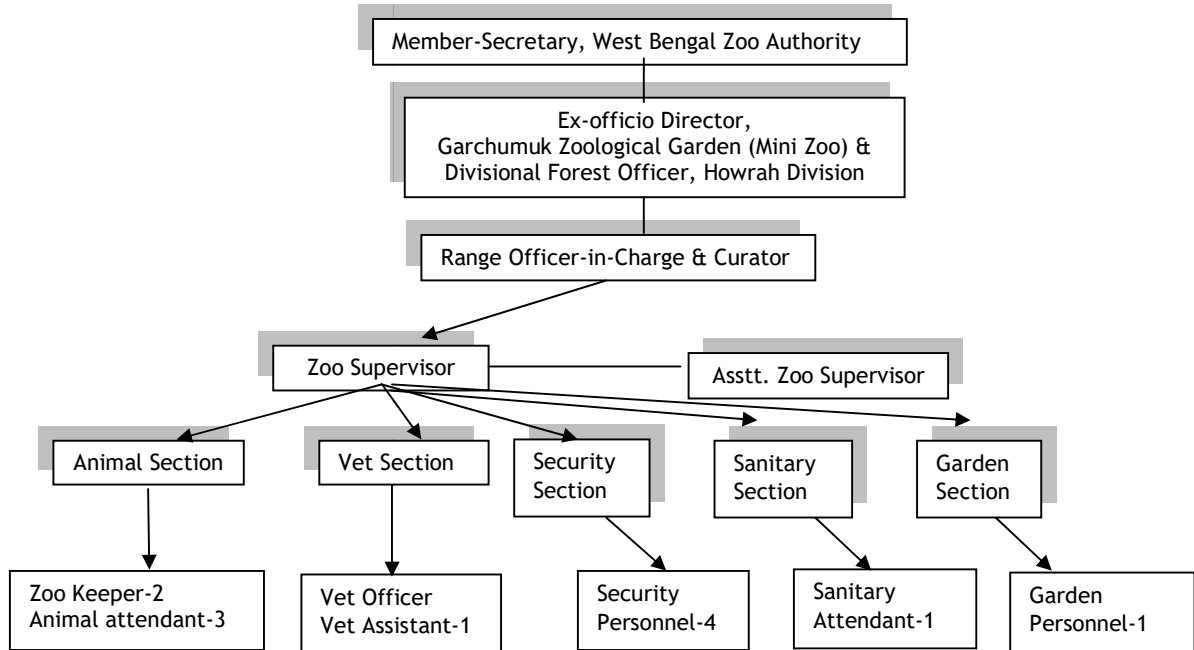
I. in the case of a firm or other association of individuals, any one of the individual partners or members thereof; or

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

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



7. Organizational Chart:



8. Human Resources:

Manpower of the Zoo*

Sl.No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1.	Zoo Supervisor	Sanctioned Post Engaged by the Ex-Officio Director, Garchumuk Zoological Garden (Mini Zoo) & Divisional Forest Officer, Howrah Division on Contractual basis as approved by the WBZA	Vacant
2	Asstt. Zoo Supervisor		Sh. Debranjana Das
2	Veterinary Assistant	Sanctioned by the WBZA Engaged through Webel Technology Ltd. (A Govt. of West Bengal undertaking) on contractual basis as per agreement executed between the West Bengal Zoo Authority	Sh. Bhaskar Malik
3	Ticket Clerk		Smt. Moumita Dey
4	Gate Keeper		Sh. Pradip Kumar Das
5	Zoo Keeper		Sh. Tapan Das
6	Zoo Keeper		Sh. Subrata Bag
7	Animal Attendant		Sh. Mohan Chandra Manna
8	Animal Attendant		Sh. Krishnendu Haldar
9	Animal Attendant		Sh. Swarnadeep Ghosh
10	Garden Attendant		Sh. Palan Sardar
11	Sanitary Attendant		Sk. Akkash Ali
12	Security		Sh. Asit Pramanik
13	Security		Sk. Monirul Khan
14	Security		Sh. Jagabandhu Naskar
15	Security		Sh. Susanta Das
16	Lower Division Clerk	Sh. Sujit Das	

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



9. Capacity Building of zoo personnel:

Sl.No.	Name and designation of the zoo personnel	Subject matter of Training	Period of Training	Name of the Institution where the Training attended
1	Nil	Nil	Nil	Nil

10. Zoo Advisory Committee - West Bengal Zoo Authority

- a. Date of constitution
- b. Members
- c. Dates on which Meetings held during the year: Periodically.

11. Health Advisory Committee- West Bengal Zoo Authority

- a. Date of constitution :07.03.2018
- b. Members:
 - 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.
- c. Dates on which Meetings held during the year- Periodically

12. Statement of income and expenditure of the Zoo during the year 2021-22:

Income during the year 2022-23

1. From Entry Fee Collection: Rs. 42,491/-
2. Rent from Forest (Zoo) Rest House:Rs. 3000/-
3. Sale of Tender documents : Rs. 1,49,750/-

I.	Spill over amount of last year (2021-22)	: Rs. 6,29,245.01
II.	Total amount received	: Rs. 3,83,47,303.00
III.	Total expenditure	: Rs. 3,64,94,633.84
IV.	Total Balance	: Rs. 24,81,914.17

13. Daily feed Schedule of animals

Diet chart of spotted Deer (weighing about 70 kg / head / day)		
Sl	Feed item	Quantity per day
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



Diet chart of spotted Deer Fawn (weighing about 20 kg / head / day)		
SI	Feed item	Quantity per day
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	3.5 gm

* Preparation of 100 kg concentrate mixture:

SI	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	12 kg

Diet chart of Himalayan Crestless Porcupine / head / day		
SI	Feed item	Quantity per day
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

Diet chart of Fishing Cat / head / day		
SI	Feed item	Quantity per day
1	Chicken	250 gm
2	Local live fish	500 gm

* Live Poultry Bird Weekly once - 750 gm / head

** Fasting Day - Monday

Diet chart of Jungle Cat / head / day		
SI	Feed item	Quantity per day
1	Chicken / BuffaloMeat / Local Live Fish	750 gm

* Live Poultry Bird Weekly once - 750 gm / head

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

*** Fasting Day - Monday.

DIET OF INDIAN STAR TORTOISE / HEAD / DAY		
SL.	FEED ITEM	Quantity
1.	GREENS	
	Alfa alfa / Timothy hay / Bermuda grass / Mustard greens / Water Spinach*	45 gm
2.	VEGETABLES	



	Squash / Orange Bell Peppers/ Cluster Fig (<i>Ficus racemose</i>)	
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 is given in moderate quantity combined with other greens and grasses.

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

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

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

DIET OF TURTLES/ HEAD / DAY		
SL.	FEED ITEM	Quantity
1.	FISH / MEAT	
	Small local fishes such as Punti (<i>Puntias sp.</i>) / Bele (<i>Glossogobiusgiuris</i>) / Bombay Duck (<i>Harpadonnehereus</i>), Lata (<i>Channa punctatus</i>), Bata (<i>Labeo bata</i>), Chicken shreds, Shrimps (Dried & Live), Fresh water snails & molluscs	42 gm-45 gm
2.	GREENS & VEGETABLES	
	Water Spinach*/ Common Duck Weed (<i>Lemma 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

DIET OF MARSH CROCODILE/ HEAD / DAY (3days per week)		
SL.	FEED ITEM	Quantity
	FISHES / MEAT	
1	Local fishes such as carps, Lata (<i>Channapunctatus</i>), Shol (<i>Channa striatus</i>), Bele (<i>Glossogobiusgiuris</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.

DIET OF MACAW / HEAD / DAY		
SL	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

DIET OF QUAKER PARROT/ HEAD / DAY		
SL	FEED ITEM	QUANTITY
1.	Corn ->50% Rest %-Gram, Mung bean, Less amount of seasonal vegetables	27.5 gm
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

DIET OF AFRICAN GREY PARROT / HEAD / DAY		
SL	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 is given as calcium supplement

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

***The above diet is 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, is given from 10 am to 2 pm

DIET OF GREEN-CHEEKED CONURE / HEAD / DAY		
SL	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

*The above diet is given in 3 courses in a day

DIET OF PARAKEET (ROSE-RINGED, BLOSSOM HEADED, ALEXANDRINE)/ HEAD / DAY		
SL	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



DIET OF BUDGERIGAR / HEAD / DAY		
SL	FEED ITEM	Quantity
1.	Small sunflower seeds-10%, Millet-90%	30 gm
2.	Carrot and shaag chopped	6 gm

*The above diet is given in 3 course in a day

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

DIET OF LOVE BIRD / HEAD / DAY		
SL	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 is being kept all the time.

DIET OF COCKATOO / HEAD / DAY		
SL	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 is given in 3 courses in a day.

DIET OF COCKATIEL / HEAD / DAY		
SL	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 is kept all the time

DIET OF DIAMOND DOVE / HEAD / DAY		
SL	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 is given (October-November)

***Quaker oats for incubation



DIET OF FIINCH / HEAD / DAY		
SL	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 is given in 3 courses in a day

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

***Quaker oats for incubation

DIET OF JAVASPARROW / HEAD / DAY		
SL	FEED ITEM	Quantity
1.	50% raw unprocessed paddy	20 gm
2.	Insect, ant	20 gm
3.	Green vegetable chopped	20 gm

*The above diet is given in 3 courses in a day

DIET OF PHEASANT / HEAD / DAY		
SL	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 is given

DIET OF EMU/ HEAD / DAY		
SL	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 pc

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

DIET OF GERMAN BEAUTY HOMER / HEAD / DAY		
SL	FEED ITEM	Quantity
1.	Concentrate Mixture	100 gm
2.	Soaked Gram	20 gm



DIET OF TURACO/ HEAD / DAY		
SL	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 is given twice a week

** Tulsi, Guava and Neem leaves chopped is given weekly once

DIET OF TOUCAN/ HEAD / DAY		
SL	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 is given twice a week

** Tulsi, Guava and Neem leaves chopped is given weekly once

DIET OF LUTINO GALAH / HEAD / DAY		
SL	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

14. Vaccination Schedule of animals

Sl	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	* F1 Lentogenic Strain Vaccine is given at the age of 7-8 days * B1 Lasota Strain Vaccine (Booster Dose) is given at the age of 28-30 days * More than 8 weeks of age or older, is given R2B Mesogenic strain @ 0.5 ml, IM	B1 Lasota strain is given at the interval of six months	
3	Fishing Cat	Rabies	1 ml	Yearly	
		Feline Pan Leukopenia (FPL)	1 ml	Yearly	
4	Jungle Cat	Rabies	1 ml	Yearly	
		Feline Pan Leukopenia	1 ml	Yearly	

15. De-worming Schedule of animals

Sl	Species	Drug Used	Month	Remarks
1	Deer	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		
		Triclabendazole		
		Livamisole		
		Oxyclozanide		
2	Fishing Cat	Albendazole		
		Fenbendazole		
		Parziquantal		
		Pyrantel Pamoate		
3	Birds	Fenbendazole		According to the examination of the faecal sample in every three months
		Parziquantal		
4	Porcupine	Albendazole	April & October	According to the examination of the faecal sample in every six months
		Fenbendazole		
5	Turtle / Tortoise	Albendazole		
		Fenbendazole		
6	Python	Fenbendazole		
7	Crocodile	Albendazole		
		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 the enclosure. * Providing adequate disinfection with 1% Potassium Permanganate both as dips and rinse * Cleaning and disinfection of equipment with 1% Potassium Permanganate before and after use * Rodent control by proofing / physical barriers 	<ul style="list-style-type: none"> * For specific disinfection spraying of Butox / Clinar inside enclosure * Applying Calcium Carbonate during onset of rainy seasons at the enclosure (mud / swampy) as a disinfection protocol. * Applying Vircon-S powder @ 10 gm/ltr water spraying all over the enclosure twice in a month. 	<ul style="list-style-type: none"> * Fumigation (Vircon-S) * White Washing * Painting

17. Health Check-up of employees for zoonotic diseases:

Sl.No.	Name	Designation	Date of Health Check up	Findings of Health Check up
1.	Sh. Debranjana Das	Asstt. Zoo Supervisor	22/07/2022	No Zoonotic diseases detected
2.	Smt. Moumita Dey	Ticket Clerk		
3.	Sh. Pradip Kumar Das	Gate Keeper		
4.	Sh. Tapan Das	Zoo Keeper		
5.	Sh. Subrata Bag	Zoo Keeper		
6.	Sh. Mohan Chandra Manna	Animal Attendant		
7.	Abdul Salam Mollah	Animal Attendant		
8.	Sh. Palan Sardar	Garden Attendant		
9.	Sk. Akkash Ali	Sanitary Attendant		
10.	Sh. Asit Pramanik	Security		
11.	Monirul Khan	Security		
12.	Sh. Jagabandhu Naskar	Security		
13.	Sh. Susanta Das	Security		

18. Development Works carried out in the zoo during the year 2022-23:

- i. Construction of Night Shelter of Lesser Cat - Completed.
- ii. Zoo Supervisor's Quarters - 2 Nos. - Completed
- iii. Administrative Building - 1 No. - Completed
- iv. Star Tortoise Enclosure - Completed
- v. Over Head Water Tank - 2 Nos. completed
- vi. Construction of Python Rocker Enclosure - Completed
- vii. Visitor's Paver Block - 225 Mtr - Completed
- viii. Construction of Water Bird Aviary - Completed
- ix. Construction of Flying Bird Aviary - Completed
- x. Construction of EMU enclosure - Completed
- xi. Construction of Conservation Breeding Centre for indigenous Pheasantry - Completed
- xii. Construction of visitor's sitting arrangement with structural shed - Completed
- xiii. Mexican Grass Carpet - 1800 SqMtr - Completed
- xiv. Mixed Deer Enclosure - Completed

19. Education and Awareness programmes during the year:

- i) Indian Crestless Porcupine
- ii) Fishing Cat
- iii) Fresh Water Turtle & Tortoise
- iv) Civet Cat
- v) Tribal Hunting (Ritual Hunting Festival of Tribal)

20. Important Events and happenings:

- i) Observed World Environment Day & Wildlife Day.

21. Seasonal Special Arrangements for upkeep of Animals: Yes

22. Research Work carried out and publications: Yes.

- i) Fishing Cat.
- ii) Indian Crestless Porcupine

23. Conservation Breeding Programme of the Zoo: Yes. On Fishing Cat.



24. Animal acquisition / transfer / exchange during the year :

A. Animals arriving in the Zoo					
	H.No.	Species (Endangered Species)	Number (M:F)	From which Zoo	Date of arrival in the zoo
	Nil	Nil	Nil	Nil	Nil
B Animals going from the Zoo					
	H.No.	Species (other than Endangered Species)	Number M:F	Going to which Zoo	Date of deposition from the Zoo
1		Barking Deer	4	Zoological Garden, Alipore, Kolkata	27/11/22
2		Sulphur Crested Macaw	1	Zoological Garden, Alipore, Kolkata	28/11/22
3		Blue & Yellow Macaw	2	Zoological Garden, Alipore, Kolkata	28/11/22
4		African Gray Parrot	6	Zoological Garden, Alipore, Kolkata	28/11/22
5		Blue & Galad Macaw	2	Zoological Garden, Alipore, Kolkata	23/12/22
6		Lutino Perakeet	3	Zoological Garden, Alipore, Kolkata	25/01/23
7		Blue Perakeet	2	Zoological Garden, Alipore, Kolkata	25/01/23
8		Finch	30	Zoological Garden, Alipore, Kolkata	25/01/23
9		Red Jungle Fowl	2	Zoological Garden, Alipore, Kolkata	25/01/23
10		Mascovy Duck	2	Zoological Garden, Alipore, Kolkata	25/01/23
11		Chines Goose	7	Harinalaya Mini Zoo New Town, Kolkata	19/01/23

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

Sl.No.	Date of Rescue	Species with number of animals rescued	Received from	Date of Submission of Report to the CWLW / CZA	Action taken	
					Date and Place of rehabilitation in their habitat	Reasons for housing in the zoo, if not released in their habitat
26.	04/04/22	Lissemys Punctata	Ulluberia S.F. Range	-	07/04/22 Released in nature	-
27.	04/04/22	Star Tortoise-6	Howrah Urban S.F. Range	-		-
28.	07/04/22	Cobra	Ulluberia S.F. Range	-		-
29.	08/04/22	Lissemys Punctata	Howrah Urban Range	-	08/04/22 Released in nature	-
30.	08/04/22	LissemysPunctata(24) NilssonianGangetica(1)	Barasat Division	-	08/04/22 Released in nature LissemysPunctata(24) NilssonianGangetica(1)	-
31.	10/04/22	Lissemys Punctata	Shyampur	-	10/04/22 Released in nature	-
32.	10/04/22	Lissemys Punctata	Ulluberia S.F. Range	-	10/04/22 Released in nature	-
33.	10/04/22	Lissemys Punctata	Ulluberia S.F. Range	-	10/04/22	-



34.	11/04/22	Civet Cat	Ulluberia S.F. Range	-	17/04/22 Released in nature	-
35.	16/04/22	Russell's Viper	Shyampur	-	17/04/22 Released in nature	-
36.	30/04/22	Cobra	Shyampur	-	01/05/22 Released in nature	-
37.	30/04/22	Black Pond Turtle (06nos)	Barasat	-	30/04/22 Released in nature	-
38.	01/05/22	Stork	Bagnan	-	10/05/22 Released in nature	-
39.	05/05/22	Cobra	Shyampur	-	06/05/22 Released in nature	-
40.	06/05/22	Civet Cat	Shyampur	-	09/05/22 Released in nature	-
41.	07/05/22	Cobra	Shyampur	-	08/05/22 Released in nature	-
42.	07/05/22	Civet Cat	Shyampur	-	10/05/22 Released in nature	-
43.	23/05/22	Cobra	Shyampur	-	24/05/22 Released in nature	-
44.	23/05/22	Russell's Viper	Shyampur	-	24/05/22 Released in nature	-
45.	01/06/22	Cobra	Shyampur	-	02/06/22 Released in nature	-
46.	04/06/22	Cobra	Shyampur	-	05/06/22 Released in nature	-
47.	07/06/22	Cobra	Shyampur	-	08/06/22 Released in nature	-
48.	07/06/22	Cobra	Shyampur	-	08/06/22 Released in nature	-
49.	08/06/22	Cobra	Shyampur	-	09/06/22 Released in nature	-
50.	08/06/22	Juvenile Civet	Shyampur	-	11/06/22 Released in nature	-
51.	13/06/22	Cobra	Shyampur	-	14/06/22 Released in nature	-
52.	14/06/22	Juvenile Civet	Bagnan	-	21/06/22 Released in nature	-
53.	17/06/22	Cobra	Shyampur	-	18/06/22 Released in nature	-
54.	17/06/22	Indian SaffshellTurtle(3 Nos)	Barasat Division	-	19/06/22 Released in nature	-
55.	17/06/22	Indian FlapshellTurtle(125 Nos)	Barasat Division	-	19/06/22 Released in nature	-
56.	17/06/22	Indian SaffshellTurtle(4 Nos)	Barasat Division	-	19/06/22 Released in nature	-
57.	21/06/22	Juvenile Civet	Amta	-	22/06/22 Released in nature	-
58.	22/06/22	Russell's Viper	Shyampur	-	23/06/22 Released in nature	-



59.	23/06/22	<i>Cobra</i>	Shyampur	-	24/06/22 Released in nature	-
60.	23/06/22	<i>Lissemys Punctata</i>	Shyampur	-	24/06/22 Released in nature	-
61.	23/06/22	<i>Lissemys Punctata</i>	Shyampur	-	24/06/22 Released in nature	-
62.	23/06/22	Monitor Lizard(Asian Water Monitor)	Ulluberia S.F. Range	-	24/06/22 Released in nature	-
63.	24/06/23	<i>Lissemys Punctata</i>	Bagnan	-	25/06/22 Released in nature	-
64.	25/06/23	<i>Cobra</i>	Shyampur	-	26/06/22 Released in nature	-
65.	25/06/23	<i>Cobra</i>	Shyampur	-	26/06/22 Released in nature	-
66.	26/06/23	<i>Cobra</i>	Shyampur	-	27/06/22 Released in nature	-
67.	27/06/23	<i>Cobra</i>	Shyampur	-	28/06/22 Released in nature	-
68.	27/06/22	<i>Cobra</i>	Shyampur	-	28/06/22 Released in nature	-
69.	27/06/22	<i>Lissemys Punctata</i>	Shyampur	-	28/06/22 Released in nature	-
70.	27/06/22	<i>Juvenile Civet</i>	Shyampur	-	30/06/22 Released in nature	-
71.	27/06/22	<i>Lissemys Punctata</i>	Ulluberia S.F. Range	-	30/06/22 Released in nature	-
72.	28/06/22	<i>Lissemys Punctata</i>	Ulluberia S.F. Range	-	30/06/22 Released in nature	-
73.	29/06/22	<i>Cobra</i>	Shyampur	-	28/06/22 Released in nature	-
74.	02/07/22	<i>Lissemys Punctata</i>	Bagnan	-	04/07/22 Released in nature	-
75.	02/07/22	<i>Lissemys Punctata</i>	Shyampur	-	04/07/22 Released in nature	-
76.	04/07/22	<i>Cobra</i>	Shyampur	-	05/07/22 Released in nature	-
77.	05/07/22	<i>Cobra</i>	Shyampur	-	05/07/22 Released in nature	-
78.	05/07/22	<i>Lissemys Punctata</i>	Shyampur	-	05/07/22 Released in nature	-
79.	05/07/22	<i>Lissemys Punctata</i>	Bagnan	-	05/07/22 Released in nature	-
80.	06/07/22	<i>Cobra</i>	Shyampur	-	07/07/22 Released in nature	-
81.	06/07/22	<i>Cobra</i>	Shyampur	-	07/07/22 Released innature	-
82.	07/07/22	<i>Cobra</i>	Shyampur	-	07/07/22 Released in nature	-
83.	07/07/22	<i>Cobra</i>	Shyampur	-	07/07/22 Released in nature	-
84.	12/07/22	<i>Cobra</i>	Shyampur	-	13/07/22 Released in nature	-



85.	12/07/22	Lissemys Punctata	Bauriya	-	13/07/22 Released in nature	-
86.	12/07/22	Lissemys Punctata	Shyampur	-	13/07/22 Released in nature	-
87.	13/07/22	Cobra	Shyampur	-	13/07/22 Released in nature	-
88.	13/07/22	Monitor Lizard	Bagnan	-	17/07/22 Released in nature	-
89.	14/07/22	Lissemys Punctata	Hooghly S.F Range	-	17/07/22 Released in nature	-
90.	14/07/22	Monitor Lizard	Ghoshkhali	-	17/07/22 Released in nature	-
91.	15/07/22	Lissemys Punctata	Shyampur	-	17/07/22 Released in nature	-
92.	16/07/22	Cobra	Shyampur	-	17/07/22 Released in nature	-
93.	16/08/22	Cobra (1Nos)	Shyampur	-	17/08/22 Released in nature	-
94.	17/07/22	Lissemys Punctata	Shyampur	-	17/07/22 Released in nature	-
95.	19/07/22	Lissemys Punctata(1Nos)	Shyampur	-	17/07/22 Released in nature	-
96.	20/07/22	Cobra (1Nos)	Shyampur	-	21/07/22 Released in nature	-
97.	21/07/22	Lissemys Punctata	Shyampur	-	23/07/22 Released in nature	-
98.	25/07/22	Russell's Viper	Shyampur	-	26/06/22 Released in nature	-
99.	26/07/22	Civet Cat	Ulluberia S.F. Range	-	27/06/22 Released in nature	-
100.	29/07/22	Star Tortoise-29 Nos	Howrah Urban S.F. Range	-	30/07/22 Released in nature	-
101.	30/07/22	Lissemys Punctata(1Nos)	Shyampur	-	17/07/22 Released in nature	-
102.	02/08/22	Cobra (1Nos)	Shyampur	-	03/08/22 Released in nature	-
103.	05/08/22	Cobra (1Nos)	Shyampur	-	06/08/22 Released in nature	-
104.	07/08/22	Lissemys Punctata(1Nos)	Ulluberia	-	08/08/22 Released in nature	-
105.	07/08/22	Lissemys Punctata(1Nos)	Shyampur	-	08/08/22 Released in nature	-
106.	09/08/22	Lissemys Punctata(1Nos)	Shyampur	-	09/08/22 Released in nature	-
107.	16/08/22	Cobra (1Nos)	Shyampur	-	17/08/22 Released in nature	-
108.	17/08/22	Lissemys Punctata(1Nos)	Shyampur	-	19/08/22 Released in nature	-
109.	17/08/22	Cobra (1Nos)	Shyampur	-	19/08/22 Released in nature	-
110.	20/08/22	Cobra	Shyampur	-	21/08/22 Released in nature	-
111.	20/08/22	Jungle Cat (Juvenile)	Bagnan	-	21/08/22 Released in nature	-
112.	20/08/22	Cobra	Ulluberia	-	21/08/22 Released in nature	-
113.	21/08/22	Lissemys Punctata	Shyampur	-	22/08/22 Released in nature	-
114.	22/08/22	Lissemys	Ulluberia	-	23/08/22	-



115.	23/08/22	Lissemys Punctata(3Nos)	Shyampur	-	23/08/22 Released in nature	-
116.	23/08/22	Russell's Viper	Shyampur	-	24/08/22 Released in nature	-
117.	23/08/22	Burmese Python	Shyampur	-	24/08/22 Released in nature	-
118.	25/08/22	Cobra	Shyampur	-	27/08/22 Released in nature	-
119.	26/08/22	Cobra	Shyampur	-	27/08/22 Released in nature	-
120.	26/08/22	Lissemys Punctata	Shyampur	-	27/08/22 Released in nature	-
121.	29/08/22	Lissemys Punctata	Shyampur	-	30/08/22 Released in nature	-
122.	31/08/22	Lissemys Punctata	Ulluberia	-	31/08/22 Released in nature	-
123.	31/08/22	Peacock Soffshell turtle	Ulluberia	-	31/08/22 Released in nature	-
124.	01/09/22	Russell's Viper	Shyampur	-	01/09/22 Released in nature	-
125.	01/09/22	Russell's Viper	Shyampur	-	01/09/22 Released in nature	-
126.	03/09/22	Cobra	Shyampur	-	04/09/22 Released in nature	-
127.	03/09/22	Asian Palm Civet	Shyampur	-	04/09/22 Released in nature	-
128.	04/09/22	Cobra	Shyampur	-	04/09/22 Released in nature	-
129.	04/09/22	Lissemys Punctata	Shyampur	-	05/09/22 Released in nature	-
130.	05/09/22	Lissemys Punctata	Ulluberia	-	05/09/22 Released in nature	-
131.	06/09/22	Lissemys Punctata	Ulluberia	-	07/09/22 Released in nature	-
132.	07/09/22	Russell's Viper	Shyampur	-	07/09/22 Released in nature	-
133.	07/09/22	Lissemys Punctata	Ulluberia	-	07/09/22 Released in nature	-
134.	09/09/22	Russell's Viper	Shyampur	-	09/09/22 Released in nature	-
135.	10/09/22	Cobra	Shyampur	-	10/09/22 Released in nature	-
136.	11/09/22	Cobra	Shyampur	-	11/09/22 Released in nature	-
137.	13/09/22	Lissemys Punctata	Ulluberia	-	13/09/22 Released in nature	-
138.	16/09/22	Cobra	Shyampur	-	16/09/22 Released in nature	-
139.	19/09/22	Cobra	Shyampur	-	19/09/22 Released in nature	-
140.	19/09/22	LissemysPunctata(02 Nos)	Ulluberia	-	19/09/22 Released in nature	-
141.	20/09/22	Lissemys Punctata	Ulluberia	-	20/09/22 Released in nature	-
142.	21/09/22	Cobra	Shyampur	-	21/09/22 Released in nature	-
143.	21/09/22	Russell's Viper	Shyampur	-	22/09/22 Released in nature	-
144.	21/09/22	Cobra	Shyampur	-	21/09/22 Released in nature	-
145.	23/09/22	Cobra	Shyampur	-	23/09/22 Released in nature	-
146.	23/09/22	Lissemys Punctata	Shyampur	-	23/09/22 Released in nature	-
147.	25/09/22	Cobra	Shyampur	-	26/09/22 Released in nature	-
148.	26/09/22	Lissemys Punctata	Shyampur	-	26/09/22 Released in nature	-
149.	28/09/22	Star Tortoise(06) Juvenile	Shyampur	-	29/09/22 Released in nature	-
150.	28/09/22	Russell's Viper	Shyampur	-	29/09/22 Released in nature	-
					30/09/22	



152.	30/09/22	Cobra	Shyampur	-	30/09/22 Released in nature	-
153.	30/09/22	Cobra	Shyampur	-	30/09/22 Released in nature	-
154.	03/10/22	Russell's Viper	Shyampur	-	04/10/22 Released in nature	-
155.	04/10/22	Cobra	Shyampur	-	05/10/22 Released in nature	-
156.	05/10/22	Russell's Viper	Shyampur	-	05/10/22 Released in nature	-
157.	05/10/22	Lissemys Punctata (5Nos)	Shyampur	-	05/10/22 Released in nature	-
158.	06/10/22	Lissemys Punctata	Shyampur	-	06/10/22 Released in nature	-
159.	06/10/22	Russell's Viper	Shyampur	-	06/10/22 Released in nature	-
160.	09/10/22	Cobra	Shyampur	-	10/10/22 Released in nature	-
161.	09/10/22	Cobra	Shyampur	-	10/10/22 Released in nature	-
162.	09/10/22	Cobra	Shyampur	-	10/10/22 Released in nature	-
163.	10/10/22	Lissemys Punctata	Shyampur	-	10/10/22 Released in nature	-
164.	11/10/22	Russell's Viper(2Nos)	Shyampur	-	12/10/22 Released in nature	-
165.	11/10/22	Lissemys Punctata(4Nos)	Shyampur	-	12/10/22 Released in nature	-
166.	12/10/22	Cobra	Shyampur	-	12/10/22 Released in nature	-
167.	12/10/22	Lissemys Punctata	Shyampur	-	12/10/22 Released in nature	-
168.	12/10/22	Cobra	Shyampur	-	12/10/22 Released in nature	-
169.	12/10/22	Lissemys Punctata	Ulluberia	-	12/10/22 Released in nature	-
170.	12/10/22	Russell's Viper(2Nos)	Shyampur	-	12/10/22 Released in nature	-
171.	13/10/22	Russell's Viper(2Nos)	Shyampur	-	13/10/22 Released in nature	-
172.	14/10/22	Lissemys Punctata	Shyampur	-	15/10/22 Released in nature	-
173.	15/10/22	Cobra	Shyampur	-	16/10/22 Released in nature	-
174.	15/10/22	Cobra	Shyampur	-	16/10/22 Released in nature	-
175.	15/10/22	Russell's Viper	Shyampur	-	15/10/22 Released in nature	-
176.	16/10/22	Russell's Viper	Shyampur	-	17/10/22 Released in nature	-
177.	17/10/22	Cobra	Shyampur	-	18/10/22 Released in nature	-
178.	18/10/22	Russell's Viper	Shyampur	-	19/10/22 Released in nature	-
179.	20/10/22	Cobra	Shyampur	-	20/10/22 Released in nature	-
180.	22/10/22	Cobra	Shyampur	-	23/10/22 Released in nature	-
181.	23/10/22	Cobra	Shyampur	-	23/10/22 Released in nature	-
182.	23/10/22	Cobra	Shyampur	-	23/10/22 Released in nature	-
183.	23/10/22	Russell's Viper	Shyampur	-	24/10/22 Released in nature	-
184.	25/10/22	Cobra	Shyampur	-	26/10/22 Released in nature	-
185.	26/10/22	Russell's Viper	Shyampur	-	26/10/22 Released in nature	-
186.	26/10/22	Lissemys Punctata(180 Nos)	Urban Range	-	27/10/22 Released in nature	-
187.	26/10/22	Indian Rock Python (M-2)	Hijli Range (Kharagpur Division)	-	27/10/22 Released in nature	-
					27/10/22 Released in nature	



189.	28/10/22	Russell's Viper	Shyampur	-	29/10/22 Released in nature	-
190.	28/10/22	Cobra	Shyampur	-	28/10/22 Released in nature	-
191.	28/10/22	Russell's Viper	Shyampur	-	28/10/22 Released in nature	-
192.	28/10/22	Lissemys Punctata	Shyampur	-	28/10/22 Released in nature	-
193.	28/10/22	Jungle Cat (Juvenile)	Ulluberia	-	28/10/22 Released in nature	-
194.	29/10/22	Lissemys Punctata	Shyampur	-	29/10/22 Released in nature	-
195.	29/10/22	Cobra	Shyampur	-	29/10/22 Released in nature	-
196.	30/10/22	Russell's Viper	Shyampur	-	30/10/22 Released in nature	-
197.	01/11/22	Russell's Viper	Shyampur	-	01/11/22 Released in nature	-
198.	01/11/22	Lissemys Punctata	Shyampur	-	01/11/22 Released in nature	-
199.	02/11/22	Jungle Cat	Bagnan	-	02/11/22 Released in nature	-
200.	02/11/22	Lissemys Punctata	Shyampur	-	02/11/22 Released in nature	-
201.	03/11/22	Cobra	Shyampur	-	04/11/22 Released in nature	-
202.	03/11/22	Russell's Viper	Shyampur	-	04/11/22 Released in nature	-
203.	03/11/22	Lissemys Punctata	Shyampur	-	04/11/22 Released in nature	-
204.	03/11/22	Lissemys Punctata	Shyampur	-	04/11/22 Released in nature	-
205.	05/11/22	Lissemys Punctata	Shyampur	-	05/11/22 Released in nature	-
206.	05/11/22	Lissemys Punctata	Shyampur	-	05/11/22 Released in nature	-
207.	09/11/22	Jungle Cat	Shyampur	-	10/11/22 Released in nature	-
208.	09/11/22	Cobra	Shyampur	-	10/11/22 Released in nature	-
209.	10/11/22	Lissemys Punctata(2Nos)	Shyampur	-	11/11/22 Released in nature	-
210.	12/11/22	Peacock Soffshell turtle	Jagatballavpur	-	12/11/22 Released in nature	-
211.	15/11/22	Peacock Soffshell turtle & Indian SaffshellTurtel	Bagnan	-	15/11/22 Released in nature	-
212.	17/11/22	Lissemys Punctata	Ulluberia	-	17/11/22 Released in nature	-
213.	17/11/22	Cobra	Shyampur	-	17/11/22 Released in nature	-
214.	22/11/22	Lissemys Punctata	Shyampur	-	23/11/22 Released in nature	-
215.	23/11/22	Lissemys Punctata	Shyampur	-	23/11/22 Released in nature	-
216.	25/11/22	Civet Cat	Amta	-	25/11/22 Released in nature	-
217.	26/11/22	Jungle Cat (Juvenile)	JoypurP.S	-	26/11/22 Released in nature	-
218.	28/11/22	Lissemys Punctata	JoypurP.S	-	28/11/22 Released in nature	-
219.	28/11/22	Lissemys Punctata	Ulluberia	-	28/11/22 Released in nature	-
220.	29/11/22	Rock Python (02-Nos)	Bagnan	-	29/11/22 Released in nature	-
221.	29/11/22	Lissemys Punctata	Ulluberia	-	29/11/22 Released in nature	-
222.	29/11/22	Russell's Viper	Ulluberia	-	29/11/22 Released in nature	-
223.	03/12/22	Cobra	Shyampur	-	03/12/22 Released in nature	-
224.	06/12/22	Asian Palm Civet Cat	Shvamnur	-	07/12/22 Released in nature	-



		(13 Nos)			nature	
226.	15/12/22	Fishing Cat	Bagnan	-	15/12/22 Released in nature	-
227.	16/12/22	Red Eared Slider	R.O	-	18/12/22 Released in nature	-
228.	16/12/22	Fishing Cat (1nos) Lissemys Punctata(7nos)	Hooghly S.F Range	-	Except Fishing Cat All are Released on 26/12/22	-
229.	19/12/22	Lissemys Punctata(1Nos)	Shyampur	-	31/12/22 Released in nature	-
230.	21/12/22	Lissemys Punctata(1Nos)	Joypur	-	31/12/22 Released in nature	-
231.	22/12/22	Lissemys Punctata(1Nos)	Ulluberia	-	31/12/22 Released in nature	-
232.	23/12/22	Kitten Of Jangle Cat	Shyampur	-	31/12/22 Released in nature	-
233.	23/12/22	Kitten Of Jangle Cat	Shyampur	-	31/12/22 Released in nature	-
234.	28/12/22	Asian Palm Civet Cat	Shyampur	-	31/12/22 Released in nature	-
235.	28/12/22	Fishing Cat	Bagnan	-	28/12/22 Released in nature	-
236.	29/12/22	Kitten Of Jangle Cat(2Nos)	Shyampur	-	31/12/22 Released in nature	-
237.	29/12/22	Lissemys Punctata	Shyampur	-	31/12/22 Released in nature	-
238.	29/12/22	Monitor Lizard	Shyampur	-	29/12/22 Released in nature	-
239.	30/12/22	Asian Palm Civet Cat	Shyampur	-	31/12/22 Released in nature	-
240.	30/12/22	Lissemys Punctata (737 Live & 132 Dead Turtle Received)	Hooghly Range Area	-	31/12/22 Released in nature	-
241.	30/12/22	Jungle Cat	Shyampur	-	31/12/22 Released in nature	-
242.	30/12/22	Jungle Cat	Shyampur	-	31/12/22 Released in nature	-
243.	31/12/22	Jungle Cat	Shyampur	-	31/12/22 Released in nature	-
244.	31/12/22	Jungle Cat	Shyampur	-	31/12/22 Released in nature	-
245.	02/01/23	Fishing Cat	Bagnan	-	Released on nature after treatment on 02/02/23	-
246.	03/01/23	Jungle Cat (Juvenile)	Shyampur	-	03/01/23 Released in nature	-
247.	03/01/23	Jungle Cat (Juvenile)	Shyampur	-	03/01/23 Released in nature	-
248.	09/01/23	Jungle Cat (Juvenile)4Nos	Barasat Division	-	09/01/23 Released in nature	-
249.	10/01/23	Lissemys Punctata	Ulluberia	-	22/01/23 Released in nature	-
250.	13/01/23	Lissemys Punctata (124 nos)	Barasat Division	-	15/01/23 Released in nature	-
251.	06/02/23	Lissemys Punctata	Ulluberia	-	07/02/23 Released in nature	-
252.	10/02/23	Civet Cat	Shyampur	-	Expired On 14/02/23	-
253.	15/02/23	Lissemys Punctata	Urban Range	-	Released on nature after Primary on 02/03/23	-
254.	20/02/23	Russell's Viper	Shyampur	-	Released on nature after Primary on 15/03/23	-
255.	20/02/23	Jungle Cat (Juvenile)	Shyampur	-	21/02/23 Released in nature	-
256.	21/02/23	Jungle Cat (Juvenile) 2nos	Shyampur	-	21/02/23 Released in nature	-
257.	22/02/23	Fishing Cat	Ulluberia	-	15/03/23 Released in nature	-
258.	26/02/23	Asian Palm Civet Cat	Ulluberia	-	15/03/23 Released in nature	-
259.	05/03/23	Civet Cat	Bagnan	-	18/03/23 Released in nature	-



261.	20/03/23	Lissemys Punctata	Shyampur	-	21/03/23 Released in nature	-
262.	23/03/23	Lissemys Punctata	Shyampur	-	23/03/23 Released in nature	-
263.	26/03/23	Lissemys Punctata(4nos)	Hooghly Range Area	-	27/03/23 Released in nature	-

26. Annual Inventory of animals

Annexed as Annexure-I

27. Mortality of Animals

Sl.No.	Animal Name (with individual identification mark, if any)	Scientific Name	Sex	Date of Death	Reason of Death as per the Post-mortem report
1	Golden Pheasant	<i>Chrysolophus pictus</i>	M	10/05/22	Cardio respiratory failure
2	Spotted Deer	<i>Axis axis</i>	M	16/04/22	Cardio respiratory failure
3	Budgerigar	<i>Melopsittacus undulatus</i>	U	20/07/22	Hypovolemic shock
4	Budgerigar		U	20/07/22	Hypovolemic shock
5	Spotted Deer	<i>Axis axis</i>	M	28/07/22	Hypovolemic shock
6	Spotted Deer	<i>Axis axis</i>	F	17/08/22	Cardio respiratory failure
7	Spotted Deer	<i>Axis axis</i>	F	24/08/22	Cardio respiratory failure
8	Budgerigar	<i>Melopsittacus undulatus</i>	U	28/08/22	Hypovolemic shock due to infighting
9	Jungle Fowl	<i>Gallus gallus</i>	M	07/09/22	Cardio respiratory failure
10	Budgerigar	<i>Melopsittacus undulatus</i>	U	13/09/22	Cardio respiratory failure
11	Cockatiel	<i>Nymphicus hollandicus</i>	U	24/09/22	Cardio
12	Spotted Deer	<i>Axis axis</i>	M	21/11/22	Respiratory failure
13	Zebra Finch	<i>Taeniopygia guttata</i>	U	25/11/22	Hypovolemic shock due to infighting
14	Zebra Finch	<i>Taeniopygia guttata</i>	U	28/11/22	Cardio respiratory failure
15	Budgerigar	<i>Melopsittacus undulatus</i>	U	08/12/22	
16	Spotted Deer	<i>Axis axis</i>	F	10/12/22	
17	Budgerigar	<i>Melopsittacus undulatus</i>	U	12/12/22	
18	Rose Ringed Parakeet	<i>Psittaculakrameri</i>	M	14/12/22	Cardio respiratory failure
19	Spotted Deer	<i>Axis axis</i>	F	14/12/22	Hypovolemic shock due to infighting
20	Budgerigar	<i>Melopsittacus undulatus</i>	U	17/12/22	Cardio respiratory failure
21	Rose Ringed Parakeet	<i>Psittaculakrameri</i>	F	20/12/22	Hypovolemic shock
22	Spotted Deer	<i>Axis axis</i>	F	22/12/22	Cardio respiratory failure
23	Spotted Deer	<i>Axis axis</i>	M	25/12/22	
24	Zebra Finch	<i>Taeniopygia guttata</i>	U	07/01/23	
25	Budgerigar	<i>Melopsittacus undulatus</i>	U	09/01/23	Hypovolemic shock due to infighting
26	Budgerigar	<i>Melopsittacus undulatus</i>	U	09/01/23	Cardio respiratory failure
27	Zebra Finch	<i>Taeniopygia guttata</i>	U	13/01/23	Hypovolemic shock
28	Zebra Finch	<i>Taeniopygia guttata</i>	U	13/01/23	
29	Spotted Deer	<i>Axis axis</i>	M	07/02/23	



		<i>undulatus</i>			
31	Zebra Finch	<i>Taeniopygia guttata</i>	U	21/02/23	Cardio respiratory failure
32	Zebra Finch	<i>Taeniopygia guttata</i>	U	03/03/23	Hypovolemic shock infighting
33	Spotted Deer	<i>Axis axis</i>	M	07/03/23	Cardio respiratory failure
34	Indian Peafowl	<i>Pavo cristatus</i>	M	16/03/23	Cardio respiratory failure
35	Budgerigar	<i>Melopsittacus undulatus</i>	U	17/03/23	Hypovolemic shock
36	Budgerigar	<i>Melopsittacus undulatus</i>	U	17/03/23	Cardio respiratory failure
37	Zebra Finch	<i>Taeniopygia guttata</i>	U	25/03/23	Cardio respiratory failure

28. Compliance with conditions stipulated by the Central Zoo Authority

Sl. No	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Status with regard to compliance of the conditions
1	9(1)	A regular whole time 'in-charge' of the zoo should be placed with adequate financial and administrative power.	Immediately	-	Full time residential Forest Range Officer Posted

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

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	Indian Fox	<i>Vulpes bengalensis</i>
7	Red Fox	<i>Vulpes vulpes</i>
8	Common Flying Fox	<i>Pteropus giganteus</i>
9	Common Mongoose	<i>Herpestes edwardsii</i>
10	Indian Mongoose	<i>Herpestes auropunctatus</i>
11	Common Five striped Squirrel	<i>Funambulus pennantii</i>
12	Common Bandicoot	<i>Peramelemorphia</i>
13	Bengal Mole	<i>Bandicota bengalensis</i>
14	Common Indian Hare	<i>Lepus nigricollis</i>
BIRDS		
1	Common Myna	<i>Acridotheres tristis</i>
2	Asian Pied Starling/ Pied Myna	<i>Gracupica contra</i>
3	BramhneyMayna	<i>Sturniapgodarum</i>
4	Chestnut-tailed Starling/ Grey headed Myna	<i>Sturniamalabarica</i>
5	House Crow	<i>Corvus splendens</i>
6	Pond Heron	<i>Ardeolagravii</i>
7	Night Heron	<i>Nycticorax nycticorax</i>
8	Red vented Bulbul	<i>Pycnonotus cafer</i>
9	Jungle Babbler	<i>Turdoides striata</i>
10	Large green Barbed	<i>Megalaimazeylanica</i>
11	Jungle Myna	<i>Acridotheres fuscus</i>



14	Blossom Headed Parakeet	<i>Psittacularoseata</i>
15	Brown Leaf Warbler	<i>Phylloscopuscollybita</i>
16	Black Redstart	<i>Phoenicurusochrurus</i>
17	Blue Whistling Thrush	<i>Myophonus caeruleus</i>
18	Blue Throated Barbet	<i>Megalaima asiatica</i>
19	Brahminy Kite	<i>Haliasturindus</i>
20	Black Kite	<i>Milvus migrans</i>
21	Black Winged Kite	<i>Elanus caeruleus</i>
22	Blue Rock Pigeon/Common pigeon	<i>Columba livia</i>
23	Blue Eared Kingfisher	<i>Alcedomeninting</i>
24	Black Breasted Sunbird	<i>Aethopygasaturata</i>
25	Purple rumped Sunbird	<i>Leptocomazeylonica</i>
26	Purple Sunbird	<i>Cinnyris asiaticus</i>
27	Common Sandpiper	<i>Actitishypoleucos</i>
28	Common Wood Shrike	<i>Tephrodornispondicerianus</i>
29	Chestnut Headed Bee eater	<i>Meropsleschenaulti</i>
30	Green Bee eater	<i>Meropsorientalis</i>
31	Coppersmith	<i>Megalaimahaemacephala</i>
32	Common Swallow	<i>hirundo rustica</i>
33	Common Hawk Cuckoo/Papia	<i>Hierococyxvarius</i>
34	Asian koel	<i>Eudynamysscolopaceus</i>
35	Cuckoo	<i>Cuculuscanorus</i>
36	Cattle Egret	<i>Bubulcus ibis</i>
37	Little Egret	<i>Egrettaazarzetta</i>
38	House Sparrow	<i>Passer domesticus</i>
39	Indian Ring Dove/Eurasian collared Dove	<i>Streptopeliadecaecto</i>
40	Spotted Dove	<i>Spilopelia chinensis</i>
41	Large Billed Crow	<i>Corvus macrorhynchos</i>
42	Palm swift	<i>Cypsiurusbalasiensis</i>
43	Rose Ringed Parakeet	<i>Psittaculakrameri</i>
44	Scarlet Minivet	<i>Pericrocotusspeciosus</i>
45	Spotted Munia	<i>Lonchurapunctulata</i>
46	Tailor Bird	<i>Orthotomussutorius</i>
47	Alexandrine Parakeet	<i>Psittaculaeupatria</i>
48	Indian Roller	<i>Coracias bengalensis</i>
49	Lesser pied Kingfisher	<i>Cerylerudis</i>
50	Open-bill Stork	<i>Anastomusoscitans</i>
51	Spotted Owlet	<i>Athene brama</i>
52	Indian Tree Pie	<i>Dendrocittavagabunda</i>
53	White wagtail	<i>Motacilla alba</i>
54	White breasted Kingfisher	<i>Halcyon smyrnensis</i>
55	White breasted Water hen	<i>Amaurornisphoenicurus</i>
56	Yellow wagtail	<i>Motacilla flava</i>
57	White wagtail	<i>Motacilla alba</i>
58	Honey Buzzard	<i>Pernis apivorus</i>
59	Baya	<i>Ploceusphilippinus</i>
60	Shikra	<i>Accipiter badius</i>
61	Greater coucal	<i>Centropus sinensis</i>
62	Common Hoopoe	<i>Upupa epops</i>
63	Stork billed Kingfisher	<i>Pelargopsis capensis</i>
64	Common Kingfisher	<i>Alcedoatthis</i>
65	Lineated Barbet	<i>Megalaimalineata</i>
66	Lesser goldenback/ Golden backed Woodpecker	<i>Dinopiumbenghalense</i>
67	Common Lora	<i>Aegithina tiphia</i>
68	Brown Shrike	<i>Laniuscristatus</i>
69	Black Drongo	<i>Dicrurusmacrocerus</i>
70	Black Hooded Oriole	<i>Oriolusxanthornus</i>
71	Golden Oriole	<i>Oriolusoriolus</i>
72	Black naped Oriole	<i>Oriolus chinensis</i>
73	Jungle Babbler	<i>Turdoides striata</i>
74	Oriental Magpie Robin	<i>Copsychussaularis</i>
75	Grey Tit	<i>Parus cinereus</i>
76 REPTILES		
1	Indian Flap Shelled Turtle	<i>Nilssoniangangetica</i>
2	Bengal Monitor Lizard	<i>Varanus bengalensis</i>



5	Monocled Cobra	<i>Najakaouthia</i>
6	Common Krait	<i>Bungarus caeruleus</i>
7	Banded Krait	<i>Bungarus fasciatus</i>
8	Russell's Viper	<i>Daboia russelii</i>
9	Rat Snake	<i>Ptyas mucosa</i>
10	Striped Keelback	<i>Amphiesmastolatum</i>
11	Vine Snake	<i>Ahaetullanasuta</i>
AMPHIBIANS		
1	Indian Bull Frog	<i>Hoplobatrachustigerinus</i>
2	Common Indian Toad	<i>Duttaphrynusmelanostictus</i>
BUTTERFLY		
1	Common Jay	<i>Graphiumdoson</i>
2	Tailed Jay	<i>Graphiumagamemnon</i>
3	Common Mime	<i>Papilioclytia</i>
4	Lime Butterfly	<i>Papiliodemoleus</i>
5	Common Mormon	<i>Papiliopolytes</i>
6	Blue Mormon	<i>Papiliopolymnestor</i>
7	Common Rose	<i>Pachlioptaaristolochiae</i>
8	Mottled Emigrant	<i>Catopsiliapyranthe</i>
9	Common Emigrant	<i>Catopsiliapomona</i>
10	Common Jezebel	<i>Delias eucharis</i>
11	Psyche	<i>Leptosianina</i>
12	Indian Cabbage White	<i>Pieris canidia</i>
13	Striped Albatross	<i>Appiasolferna</i>
14	Common Albatross	<i>Appiasalbina</i>
15	Common Wanderer	<i>Pareroniavaleria</i>
16	Common Grass Yellow	<i>Euremahecabe</i>
17	Yellow Orange Tip	<i>Ixias pyrene</i>
18	Striped Pierrot	<i>Tarucusnara</i>
19	Common Cerulean	<i>Jamidesceleno</i>
20	Common Silverline	<i>Cigaritisvulcanus</i>
21	Forget me not	<i>Catochryopsstrabo</i>
22	Tiny Grass Blue	<i>Zizulahylax</i>
23	Common Bushbrown	<i>Mycalisperseus</i>
24	Common Five-ring	<i>Ypthimabaldus</i>
25	Common Four-ring	<i>Ypthimahuebneri</i>
26	Tawny Coster	<i>Acraesterpsicore</i>
27	Common Palmfly	<i>Elymniashypermnestra</i>
28	Common Leopard	<i>Phalantaphalantha</i>
29	Common Sailer	<i>Neptishylas</i>
30	Common Castor	<i>Ariadne merione</i>
31	Danaid Eggfly	<i>Hypolimnasmisippus</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>Melanitisleda</i>
37	Rice Swift	<i>Borbocinnara</i>
38	Brown Awl	<i>Badamiaexclamationis</i>

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 : 2022-2023

Endangered Species*

- Modified Closing Balance

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2022)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2023)						
			M	F	L'	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T			
Aves																									
1.	Indian Peafowl	<i>Pavo cristatus</i>	3	2	0	5	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	2	0	4
Total Aves		1	3	2	0	5	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	2	0	4
Mammalia																									
1.	Jungle Cat	<i>Felis chaus</i>	3	2	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	5
2.	Himalayan Porcupine	<i>Hystrix brachyura</i>	2	2	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	6
3.	Fishing Cat	<i>Prionailurus viverrinus</i>	3	7	0	10	0	0	2	3	2	0	0	0	0	0	0	0	0	0	0	6	9	2	17
Total Mammalia		3	8	11	2	21	0	0	2	3	2	0	0	0	0	0	0	0	0	0	11	13	4	28	
Reptilia																									
1.	Marsh Crocodile	<i>Crocodylus palustris</i>	2	3	0	5	0	0	0	0	1	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	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	6	6

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2022)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2023)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	T			
3.	Indian flapshell turtle	<i>Lissemys punctata</i>	158	219	100	477	0	0	4	0	0	0	0	0	0	0	0	0	158	219	104	481
4.	Indian Softshell Turtle, Ganges Softshell Turtle	<i>Nilssonina gangetica</i>	0	0	7	7	0	0	4	0	0	0	0	0	0	0	0	0	0	0	11	11
5.	Peacock Softshell Turtle	<i>Nilssonina hurum</i>	0	0	2	2	0	0	0	1	0	0	0	0	0	0	0	0	1	0	2	3
6.	Indian Tent Turtle	<i>Pangshura tecta</i>	0	0	9	9	0	0	5	0	0	0	0	0	0	0	0	0	0	0	14	14
7.	Indian Rock Python	<i>Python molurus</i>	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4
8.	Asian Water Monitor	<i>Varanus salvator</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Reptilia	8		162	224	118	504	0	0	13	1	1	6	0	0	0	0	0	0	163	225	137	525
Total			173	237	120	530	0	0	15	4	3	6	0	0	0	1	0	0	176	240	141	557

*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 : 2022-2023

Other than Endangered Species*

- Modified Closing Balance

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2022)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2023)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
Aves																						
1.	Fischer's Lovebird	<i>Agapornis fischeri</i>	0	0	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8
2.	Lilian's Lovebird, Nyasa Lovebird	<i>Agapornis lilianae</i>	0	0	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7
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-2022)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2023)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
4.	Peach-faced Lovebird, Rosy-faced Lovebird	<i>Agapornis roseicollis</i>	0	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5
5.	Swan Goose	<i>Anser cygnoides</i>	0	0	0	0	0	0	0	1	1	5	0	0	0	0	0	0	1	1	5	7
6.	Blue-and-gold Macaw, Blue-and-yellow Macaw	<i>Ara ararauna</i>	0	0	2	2	0	0	0	2	0	2	0	0	0	0	0	0	2	0	4	6
7.	Umbrella Cockatoo, White Cockatoo	<i>Cacatua alba</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
8.	Greater Sulphur-crested Cockatoo, Sulphur-crested Cockatoo	<i>Cacatua galerita</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.	Muscovy Duck	<i>Cairina moschata</i>	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	2
10.	Lady Amherst's Pheasant	<i>Chrysolophus amherstiae</i>	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3
11.	Golden Pheasant	<i>Chrysolophus pictus</i>	3	3	0	6	0	0	0	0	0	0	0	0	1	0	0	2	3	0	5	
12.	Domestic Pigeon	<i>Columba livia domestica</i>	0	0	6	6	0	0	1	0	0	0	0	0	0	0	0	0	0	0	7	7

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2022)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2023)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
13.	Emu	<i>Dromaius novaehollandiae</i>	1	1	2	4	0	0	2	0	0	0	0	0	0	0	0	0	1	1	4	6
14.	Red Junglefowl	<i>Gallus gallus</i>	2	1	0	3	1	1	0	1	1	0	0	0	0	1	0	0	3	3	0	6
15.	Diamond Dove	<i>Geopelia cuneata</i>	0	0	11	11	0	0	9	0	0	0	0	0	0	0	0	0	0	0	20	20
16.	Java Sparrow	<i>Lonchura oryzivora</i>	0	0	26	26	0	0	3	0	0	0	0	0	0	0	0	0	0	0	29	29
17.	Silver Pheasant	<i>Lophura nycthemera</i>	2	3	0	5	0	0	0	0	0	0	0	0	0	0	0	2	3	0	5	
18.	Budgerigar	<i>Melopsittacus undulatus</i>	0	0	78	78	0	0	0	0	0	0	0	0	0	0	13	0	0	65	65	
19.	Grey-breasted Parakeet, Monk Parakeet, Quaker Parakeet	<i>Myiopsitta monachus</i>	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	12	12
20.	Cockatiel	<i>Nymphicus hollandicus</i>	0	0	33	33	0	0	2	0	0	0	0	0	0	0	1	0	0	34	34	
21.	Alexandrine Parakeet	<i>Psittacula eupatria</i>	4	5	0	9	0	0	0	0	0	0	0	0	0	0	0	4	5	0	9	
22.	Rose-ringed Parakeet	<i>Psittacula krameri</i>	31	46	0	77	0	0	0	5	0	0	8	7	0	1	1	0	27	38	0	65
23.	Blossom-headed Parakeet	<i>Psittacula roseata</i>	2	4	0	6	0	0	0	0	0	0	0	0	0	0	0	2	4	0	6	

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2022)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2023)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
24.	Grey Parrot, Jacquot	<i>Psittacus erithacus</i>	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	3	3	0	6
25.	Green-cheeked Conure, Green-cheeked Parakeet	<i>Pyrrhura molinae</i>	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
26.	Zebra Finch	<i>Taeniopygia guttata</i>	0	0	39	39	0	0	2	0	0	30	0	0	0	0	0	8	0	0	63	63
Total Aves	26		47	64	225	336	1	1	19	13	6	49	8	7	0	3	1	22	50	63	271	384
Mammalia																						
1.	Chital/ Spotted Deer	<i>Axis axis</i>	27	46	22	95	0	0	2	0	0	0	0	0	0	6	5	0	21	41	24	86
2.	Indian Muntjac	<i>Muntiacus muntjak</i>	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	2	2	0	4
Total Mammalia	2		27	46	22	95	0	0	2	2	2	0	0	0	6	5	0	23	43	24	90	
Reptilia																						
1.	Indian Star Tortoise	<i>Geochelone elegans</i>	0	0	14	14	0	0	0	0	0	41	0	0	0	0	0	0	0	0	55	55
Total Reptilia	1		0	0	14	14	0	0	0	0	41	0	0	0	0	0	0	0	0	55	55	
Total			74	110	261	445	1	1	21	15	8	90	8	7	0	9	6	22	73	106	350	529
Grand Total			247	347	381	975	1	1	36	19	11	96	8	7	0	10	6	22	249	346	491	1086

Curator (Animals)