

**Harinalaya
(Deer Park)
Newtown, Rajarhat**



**Annual Report For
The Year of
2021-2022**

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1. **Report of the Officer-in-charge :** Ex-officio Director, Harinalaya (Deer Park), Newtown, Rajarhat & Deputy Conservator of Forest, Urban Recreation Forestry Division.

2. **History of the Rescue Centre :** Harinalaya is located in the Newtown-Kolkata Metropolis in West Bengal (Latitude 22.60'7525'' Longitude 88.46'25452''). It is an upcoming tourist destination in the city. Harinalaya previously categorised as Deer Park over an area of 12.5 acre adjacent to Eco Park, Kolkata with 50 numbers of Spotted Deer (17 Nos. Male, 31 Nos. Female, 2 Nos. Unsex = 50). These Spotted Deer were rescued from Taratala Nature Park and released in Harinalaya on 10.02.2016 and 22.02.2016 letter on, 19.02.2016, 06 numbers of Barking Deer (3 Nos. Male, 3 Nos. Female = 6) were released in Harinalaya.
The Harinalaya mini zoo was established on 1st August 2017 and managed by Deputy Conservator of Forests, Urban Recreation Forestry Division with Head Quater at Eden Garden, Kolkata-700021 & come under West Bengal Zoo Authority (WBZA) from 21.04.2017 . The Harinalaya Deer Park was upgraded to Mini Zoo and revised master layout plan is pending for approval.

3. **Vision:** This Zoo envisions creating a mechanism for enhancing expertise on excellent upkeep and ex-situ conservation of the globally and also regionally threatened fauna and flora and `community sensitization on ex-situ conservation. The Zoo will be a place to study the animal behaviour, conservation management and develop species specific conservation and management strategies. The zoo will work for conservation breeding of endemic species and maintain insurance population for species recovery of endemic species.

4. **Mission :** Implement the best practise on conservation, conservation breeding , education , research and visitors experiences by connecting people to biodiversity conservation, and to serve as a conservation

breeding and nature conservation centre for endemic and endangered faunal, avi-faunal and floral species and to convey the message of conservation education through demonstrative, replicable and learning experiences without compromising the expected standard of display of wild fauna, avi-fauna and flora under the existing policies and rules.

Our vision is to connect visitors and wild captive animals and birds through exemplary animal welfare and care best educational and inspirational experiences, fostering public appreciation and support for wild animals and birds and conservation to achieve goals of nature conservation and wildlife as a whole.

5. Objective :

- a. To establish & maintain facilities for ex-situ conservation & education research on Plants, Animals, Birds.
- b. Planned breeding of spotted deer, barking deer and birds to avoid inbreeding problems.
- c. To provide shelter to local rescued wild animals, birds, ailing as well as injured animals and birds.
- d. To organize conservation awareness programmes to the visitors to apprise them the art of harmonious living with animals.
- e. To exchange spotted deer for obtaining new animal to improve the zoo stock.

6. About Us :

Sl.No	Particulars	Information
Basic information about the Rescue Centre		
1.	Name of the Rescue Centre	Harinalaya (Deer Park),Rajarhat, Newtown
2.	Year of Establishment	1st August 2017
3.	Address of the Rescue Centre	Harinalaya (Deer Park), P.O :- Ghuni, P.S:- Eco Park Dist:- 24- Parganas (N)

		Kolkata- 700157
4.	State	West Bengal
5.	Telephone No	033-2248-2504
6.	Fax Number	033-2248-2504
7.	Email Address	dcfurfkolkata@gmail.com harinalaya2017@gmail.com
8.	Website	
9.	Distance from nearest	Airport: Netaji Subhash Chandra Bose International Airport- 5 K.M
		Railway Station: Bidhan Nagar Station within 20 K.M
		Bus Stand: Eco Park (4 No. Gate) Within 1 K.M
10.	Recognition Valid up to (Date)	19/08/2021
11.	Category of Zoo	Mini Zoo
12.	Area (in Hectors)	4.20 Hector
13.	Number of Visitors (Financial Year)	Adult :4478
		Children:613
		Total Indians:5091
		Total Foreigners: 00
		Total Visitors: 5091
14.	Visitor's Facilities available in Zoo	Drinking water, Toilet, First Aid Box, Visitor's Shed, Sitting arrangement etc.
15.	Weekly Closure Day of the Zoo	Monday

Management Personnel of the Rescue Centre

16.	Name with designation of the Officer-in-Charge	Sri Ramprasad Badana, I.F.S. Ex –Officio Director, Harinalaya (Deer Park), &
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		Deputy Conservator of Forest/Urban Recreation Forestry Division
	Name of the Veterinary Officer	Dr.Surojit Kundu. B.A.H.C, Rajarhat, Newtown, Kolkata.
	Name of the Curator	Nil
	Name of the Biologist	Samya Basu
	Name of the Education Officer	Nil
	Name of the Compounder/ Lab Assistant	Nil
Owner/Operator of the Rescue Centre		
17.	*Name of the Operator	Sri Ramprasad Badana I.F.S. Ex –Officio Director, Harinalaya (Deer Park), & Deputy Conservator of Forest/Urban Recreation Forestry Division
18.	Address of the Operator	10A Auckland Road, Eden Gardens,Kolkata-700021
19.	Contact Details /Phone no of Operator	033-2248-2504 (land line) Mobile No- 8617717077
20.	E-mail address of Operator	dcfurfkolkata@gmail.com harinalaya2017@gmail.com

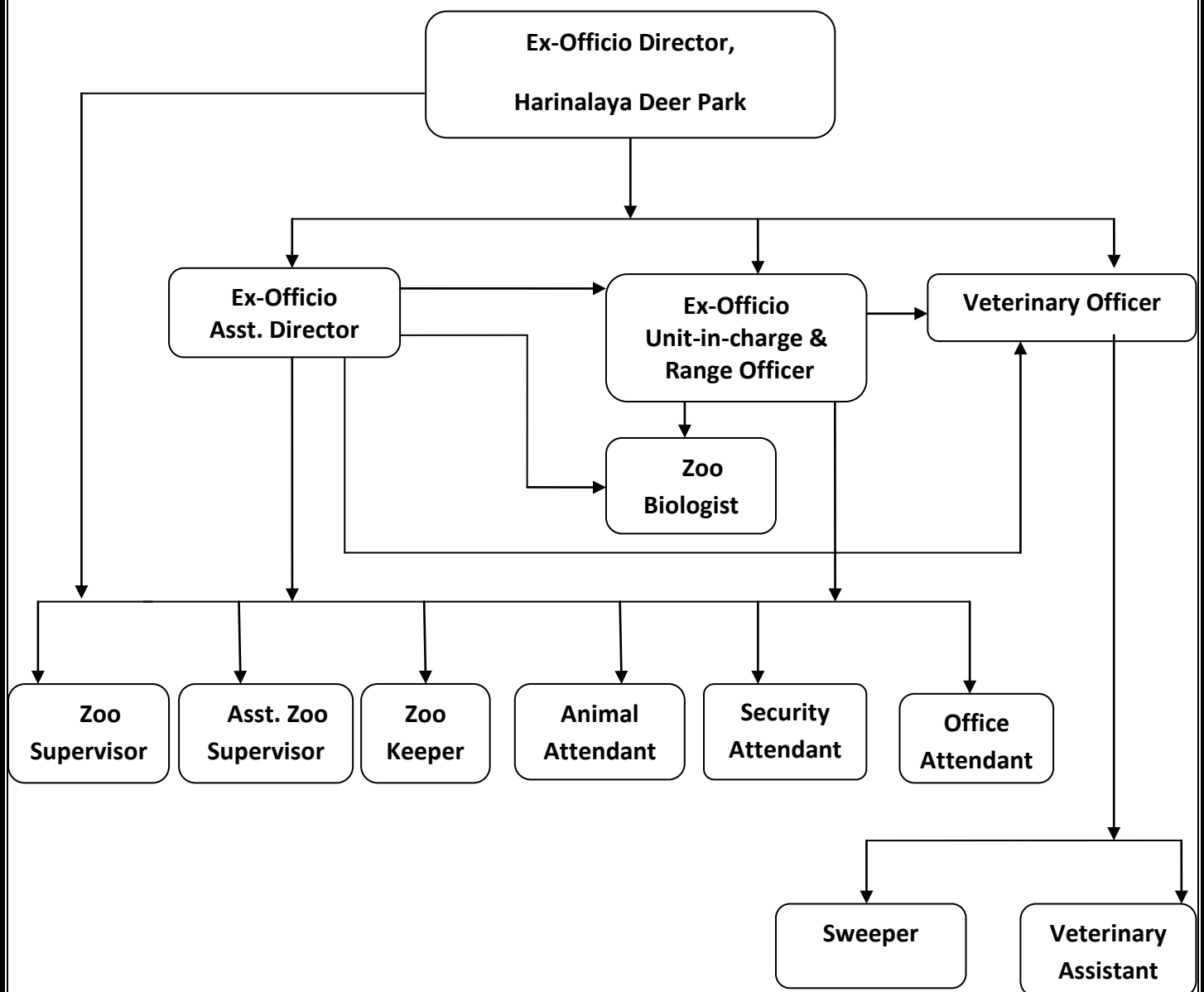
***Rule 2 (m) of the recognition of Zoo Rules, 2009**

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

- 1. In the case of a firm or other association of individuals, any one of the individual partners or members thereof; or**
- 2. In the case of a company, any director, manager, secretary or other officer who is in- charge of & responsible to the company for the affairs of the zoo or**
- 3. In the 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 of the Rescue Centre



Human Resources deployment for management of Rescue Centre (Officer-in-Charge to animal Keeper- Sanctioned posts, in- position & vacant posts)

8. Human Recourses of the Rescue Centre*

Sl No	Designation	Number of Sanctioned Posts	Names of the incumbent
1.	Ex-Officio Director	1	Sri Ramprasad Badana, I.F.S.
2.	Ex-Officio Asst. Director	1	Anindya Guha Thakurta, W.B.F.S.
3.	Ex-Officio Unit-In-charge (Range Officer)	1	Bitan Kumar Dey Forest Ranger
4.	Zoo Supervisor	1	Biplab Kumar Bhowmick
5.	Asst. Zoo Supervisor	1	Sagar Chakraborty
6.	Veterinary Assistant	1	Tahira Khatun
7.	Zoo Keeper	2	1. Debashis Mondal 2. Prosad Barman
8.	Animal Attendant	3	1. Shyamal Mahata 2. Krishnendu Sahoo 3. Ashis Sarkar
9.	Sweeper	1	Debabrata Mahata
10.	Ticket Cleark	1	Mitali Saha
11.	Security Guard	7	1. Subodh Nandi 2. Atanu Changder 3. Sujit Sarkar 4. Santipada Dey 5. Chanakya Sen 6. Tirthanu Changder 7. Piyasa Sarkar

***Please give above mentioned information in respect of all Rescue centre Personnel, from the Officer in- Charge up to the Animal Keeper.**

9. Capacity Building of Rescue Centre Personnel

SI No	Name & Designation of the Rescue Centre Personnel	Subject matter of Training	Period of Training	Name of the Institution where the Training attended
	Nil	Nil	Nil	Nil

10. Zoo Advisory Committee: Nil

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

11. Health Advisory Committee of the Rescue Centre:

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

12. Statement of Income & Expenditure of the Rescue Centre :

1. Income : 1,52,730/- (Gate collection)
2. Fund Received: 6,02,45,116/-
3. Expenditure : 2,90,78,556/-

13. Daily Feed Schedule of animals

SI No	Species	Feed Item	Quantity of food Per Animals		Day of Fasting
			Summer	Winter	
1.	Spotted Deer	• Wheat Bran	0.500 Kg.	0.500 Kg.	No fasting day
		• Soaked Gram	0.250 Kg.	0.250 Kg.	
		• Crushed Barley	0.100 Kg.	0.100 Kg.	
		• Crushed Oats	0.100 Kg.	0.100 Kg.	

		<ul style="list-style-type: none"> • Sweet Potato 	0.200 Kg.	0.200 Kg.	
		<ul style="list-style-type: none"> • Carrot 	0.200 Kg.	0.200 Kg.	
		<ul style="list-style-type: none"> • Green Leafy Vegetables 	0.200 Kg.	0.200 Kg.	
		<ul style="list-style-type: none"> • Beans 	0.200 Kg.	0.200 Kg.	
		<ul style="list-style-type: none"> • Soaked Corn 	0.500 Kg.	0.500 Kg.	
		<ul style="list-style-type: none"> • Common Salt 	0.050 Kg.	0.050 Kg.	
		<ul style="list-style-type: none"> • Green fodder 	1.000 Kg.	1.000 Kg.	
2.	Barking Deer	<ul style="list-style-type: none"> • Wheat bran 	0.250 Kg.	0.250 Kg.	No fasting day
		<ul style="list-style-type: none"> • Soaked Gram 	0.130 Kg.	0.130 Kg.	
		<ul style="list-style-type: none"> • Crushed Barley 	0.150 Kg.	0.150 Kg.	
		<ul style="list-style-type: none"> • Crushed Oats 	0.150 Kg.	0.150 Kg.	
		<ul style="list-style-type: none"> • Red Potato 	0.300 Kg.	0.300 Kg.	
		<ul style="list-style-type: none"> • Carrot 	0.300 Kg.	0.300 Kg.	
		<ul style="list-style-type: none"> • Leafy Vegetables 	0.300 Kg.	0.300 Kg.	
		<ul style="list-style-type: none"> • Beans 	0.100 Kg.	0.100 Kg.	
		<ul style="list-style-type: none"> • Banana 	0.300 Kg.	0.300 Kg.	
		<ul style="list-style-type: none"> • Common Salt 	0.020 Kg.	0.020 Kg.	
		<ul style="list-style-type: none"> • Green Grass 	1.000 Kg.	1.000 Kg.	
3.	Macaw	<ul style="list-style-type: none"> • Fruits 	100 gm.	100 gm.	No fasting day
		<ul style="list-style-type: none"> • Sugarcane 	3- 4 Pcs.	3- 4 Pcs.	
		<ul style="list-style-type: none"> • Milk & Bread 	75 gm.	75 gm.	
		<ul style="list-style-type: none"> • Walnut 	1 No.	1 No.	
		<ul style="list-style-type: none"> • Kusumdana 	50 gm.	50 gm.	
		<ul style="list-style-type: none"> • Sunflower Seed, Nuts 	150 gm.	150 gm.	
		<ul style="list-style-type: none"> • Soaked Gram 	50 gm.	50 gm.	
		<ul style="list-style-type: none"> • Maize 	50 gm.	50 gm.	
4.	Cockatoo	<ul style="list-style-type: none"> • Soaked Gram 	100 gm.	100 gm.	No fasting day
		<ul style="list-style-type: none"> • Maize 	50 gm.	50 gm.	
		<ul style="list-style-type: none"> • Nuts 	100 gm.	100 gm.	
		<ul style="list-style-type: none"> • Sunflower Seed 	50 gm.	50 gm.	

		<ul style="list-style-type: none"> • Kusumdana 	50 gm.	50 gm.	
		<ul style="list-style-type: none"> • Milk & Bread 	75 gm.	75 gm.	
		<ul style="list-style-type: none"> • Fruits 	100 gm.	100 gm.	
5.	Black Swan, Chinese Goose, Barnacle Goose, Magpie Goose,	<ul style="list-style-type: none"> • Maize Dust • Paddy • Boiled rice • Chattu • Bajra • Cabbage • Leafy Vegetable • Beans 	50 gm.	50 gm.	No fasting day
6.	Abdim's Stork	<ul style="list-style-type: none"> • Fingerling fish 	250 gm.	250 gm.	No fasting day
7.	Crocodile	<ul style="list-style-type: none"> • Live fish 	2 kg.	-	Sun, Twe, Thu, Sat.



Cockatoo



Macaw



Mixed Deer



Water Bird

14. Vaccination Schedule of Animals

SI No	Species	Disease Vaccinated for	Name of the Vaccine & dosage/quantity used	Periodicity	Remarks
			-	-	-

15. De-worming Schedule of Animals

SI No	Species	Drug used	Month
1.	Herbivores	Panacure Powder (1 gm.)	Quarterly & Last date of de-worming 26.03.2022
2. (a)	Birds (Macaw)	Piperazine Liquid (5 ml.)	Quarterly & Last date of de-worming 26.03.2022
(b)	Birds (Cockatoo)	Piperazine Liquid (2 ml.)	Quarterly & Last date of de-worming 26.03.2022

16. Disinfection Schedule:

SI No	Species	Type of enclosure	Disinfectant used & method	Frequency of disinfection
1.	Herbivores	Night Shelter & all Enclosures.	Lime, Virkone S, Kohrsolin, Potassium Permanganate.	By weekly
2.	Reptile	Water Body & Basking area.	Lime, Virkone S, Kohrsolin, Potassium Permanganate.	By weekly
3.	Birds	All Enclosures & Nest box.	Lime, Virkone S, Kohrsolin, Potassium Permanganate.	Twice in a week.

17. Health Check-up of employees for zoonotic diseases

SI No	Name	Designation	Date of Health Check-up	Findings of Health Check-up
		Not yet done		

18. Development Works carried out in the Rescue Centre during the year: New enclosure already complete (Water Bird Aviary, Macaw & Cockatoo, Marsh Crocodile, Salt Water Crocodile, Mixed Deer) and Enclosure work is running (Giraffe, Zebra, Hippopotamus, Swamp Deer, Monipuri Dancing Deer).



Water Bird Aviary



Macaw & Cockatoo



Salt Water Crocodile



Marsh crocodile



Mixed Deer Enclosure



Visitor's Pathway

19. Education & Awareness Programmes during the year : Nil

20. Important Events & happenings : Training workshop for Zoo Staff details:-

Sl. No.	Training Date	Participate Name	Designation	Program & Training Details
1.	10.09.2021	Debashis Mondal	Zoo Keeper	ZOO-MIS
2.	07.10.2021 & 08.10.2021	Tahira Khatun	Veterinary Assistant	Skill Development workshop (Venue- Zoological garden, Alipore)
3.	18.11.2021	Debashis Mondal Krishnendu Sahoo	Zoo Keeper Animal Attendant	ZOO-MIS

21. Seasonal special arrangements for upkeep of animals: Summer season used by sping killer for watering the animals.



Macaw & Cockatoo

22. Research work carried out & publication: Nil

23. Conservation Breeding Programme of the Zoo : Nil

24. Animal Acquisition / Transfer / Exchange during the year :

A. Animals acquisition in the zoo					
	Memo No.	Species	No. (M:F:U)	From which zoo	Date of arrival of zoo
1.	1501/ZGA/ESTT/21-22	Blue & Yellow Macaw	0:0:4 = 4	Zoological Garden Alipore	23.02.2022
2.	1501/ZGA/ESTT/21-22	Citron-Crested Cockatoo	0:0:6 = 6	Do	23.02.2022
3.	1501/ZGA/ESTT/21-22	Black Swan	0:0:2 = 2	Do	23.02.2022
4.	1507/ZGA/ESTT/21-22	Blue & Yellow Macaw	0:0:6 = 6	Do	26.02.2022
5.	1507/ZGA/ESTT/21-22	Citron-Crested Cockatoo	0:0:6 = 6	Do	26.02.2022
6.	1508/ZGA/ESTT/21-22	Marsh Crocodile	3:2:0 = 5	Do	26.02.2022
7.	1524/ZGA/ESTT/21-22	Abdim's Stork	0:0:2 = 2	Do	01.03.2022
8.	1524/ZGA/ESTT/21-22	Magpie Goose	0:0:2 = 2	Do	01.03.2022
9.	1524/ZGA/ESTT/21-22	Barnacle Goose	0:0:3 = 3	Do	01.03.2022
10.	1542/ZGA/ESTT/21-22	White Chinese Goose	0:0:5 = 5	Do	03.03.2022
11.	2181	Salt Water Crocodile	1:3:0 = 4	Bhagabatpur Crocodile Project (S 24 Pgs.)	05.03.2022

B. Animals Transfer in the zoo					
	Memo No.	Species	No. (M:F:U)	Going to which zoo	Date of arrival of zoo
1.	17/DP-15	Spotted Deer	1:0:0 = 1	Zoological Garden Alipore	18.02.2022
2.	23/DP-15	Magpie Goose	0:0:1 = 1	Do	17.03.2022

C. Exchange:- The Animal did not exchanged during this year.

25. Rescue & Rehabilitation of the wild animals : Nil

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
			-	-	-	-

26. Annual Inventory of Animals

Form – II

See Rule 11(1)

Part- A

Inventory Report for the Year: 2021-2022

From 01.04.2021 to 31.03.2022

Endangered Species*

Sl no	Animal name	Scientific name	Opening stock as on 01.04.2021				Birth			Acquisition			Disposals			Deaths			Closing stock as on 31.03.2022				
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
Reptile																							
1.	Marsh Crocodile	Crocodylus palustris	-	-	-	-	-	-	-	03	02	-	-	-	-	-	-	-	-	03	02	-	05
2.	Salt water Crocodile	Crocodylus porosus	-	-	-	-	-	-	-	01	03	-	-	-	-	-	-	-	-	01	03	-	04
Total Reptile			-	-	-	-	-	-	-	04	05	-	-	-	-	-	-	-	-	04	05	-	09

*Animals under Schedule I & II of the Wild Life (Protection) Act, 1972

Form – II
See Rule 11(1)
Part- B
Proforma for Annual Inventory Report
Inventory Report for The Year of 2021-2022
From 01.04.2021 to 31.03.2022

Other than Endangered Species

Sl no	Animal name	Scientific name	Opening stock as on 01.04.2021				Birth			Acquisition			Disposals			Deaths			Closing stock as on 31.03.2022			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
1.	Black Swan	Cygnus atratus	-	-	-	-	-	-	-	-	-	02	-	-	-	-	-	-	-	-	02	02
2.	Magpie Goose	Anseranas semipalmata	-	-	-	-	-	-	-	-	02	-	-	01	-	-	-	-	-	-	01	01
3.	Barnacle Goose	Branta leucopsis	-	-	-	-	-	-	-	-	03	-	-	-	-	-	-	-	-	-	03	03
4.	White Chinese Goose	Anser cygnoides	-	-	-	-	-	-	-	-	05	-	-	-	-	-	-	-	-	-	05	05
5.	Abdim's stork	Ciconia abdimii	-	-	-	-	-	-	-	-	02	-	-	-	-	-	-	-	-	-	02	02
6.	Blue & Yellow Macaw	Ara ararauna	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-	10	10
7.	Greater Sulphur-Crested	Cacatua galerita	-	-	-	-	-	-	-	-	06	-	-	-	-	-	-	-	-	-	06	06

	Cockatoo																					
8.	Lesser Sulphur-Crested Cockatoo	Cacatua sulphurea	-	-	-	-	-	-	-	-	-	06	-	-	-	-	-	-	-	-	06	06
Total			-	-	-	-	-	-	-	-	-	36	-	-	01	-	-	-	-	-	35	35
Mam mals																						
1.	Spotted Deer	Axis axis	10	8	2	20					4				1			1	9	7	6	22
2.	Barking Deer	Muntiacus muntjak	2	7	0	9												1	1	7	0	8

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 Findings
1.	Barking Deer	Muntiacus muntjak	Male	22.01.2022	Due to cardio respiratory failure (Traumatic shock).
2.	Spotted Deer	Axis axis	Female	25.02.2022	Due to cardio respiratory failure from shock due to dystokia.

**28. Compliance with conditions stipulated by the Central Zoo Authority:
Nil**

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

Mammals: Rat, Indian Palm Squirrel, Jackal, Mongoose.

Bird: Some Common bird, Crow, Sparrow, Munia, Dove, Kite

Reptiles: Snake, Water Monitor Lizard



Administrative Building



Grass Lawn



Mixed Deer



Black Swan



Macaw



Cockatoo



Marsh Crocodile



Salt Water Crocodile



Visitor's Gate



Cafeteria