

Harinalaya Mini Zoo

Annual Report 2023-24



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HARINALAYA MINI ZOO

Annual Report for the year of 2023-24

1. Report of the Officer –in-charge

Harinalaya is situated in West Bengal's Newtown-Kolkata Metropolis, housing large mammals like the Northern Giraffe, Common Hippopotamus,, Grant's Zebra, Spotted Deer, Barking Deer, a wide variety of Birds including the Blue-Gold Macaw, Amazon Parrot, Lory, Cockatoos, and India's only ape, the Hoolock Gibbon. Harinalaya also houses other primates and a good number of Water Birds.

Harinalaya ensures the best care for the animals and an immersive experience for the visitors with scientifically designed naturalistic enclosures with enrichments and visitor facilities. The zoo is constantly under CCTV surveillance for safety and security of the animals and visitors alike.

Run under the West Bengal Zoo Authority, by the ex-officio Director and Deputy Conservator of Forests, Urban and Recreation Forestry Division, Harinalaya is currently recognised as a Mini Zoo by the Central Zoo Authority.

The Harinalaya was inaugurated by SmtMamata Banerjee, the Honourable Chief Minister, West Bengal on the 9th February, 2023 and catered to more than 3 lakh visitors annually.

The Zoo envisions to become a Centre of Ex-Situ conservation of different globally as well as regionally threatened fauna and flora, including different endemic species, so that they can be released in nature to maintain a viable population. Research on ethology, conservation management, development of different strategies regarding conservation, Different awareness

programs has been already started. The utmost priority of this zoo is welfare of the zoo inhabitants by providing them a near-natural habitat, enrichment, proper diet & nutrition and medication. Harinalaya the new public attraction aims to connect the visitors to the captive animals, to make them understand the purpose of zoo.

The purpose of the annual report is to provide information about different aspects of zoo management as well as developmental activities. As we have planned to build conservation breeding centre of several species such as Painted Stork, Lesser Adjutant Stork, Black headed ibis and Yellow Monitor Lizard, I am optimistic about increase of the zoo bred as well as wild population. I am hopeful about this zoo to be one of the best zoos in our country.

I extend my sincere thanks to Sri B.P. Gopalika, IAS, Chief Secretary, Government of West Bengal and Chairman, West Bengal Zoo Authority and to Sri Vivek Kumar, IAS, Addl. Chief Secretary, Department of Forests and Vice-Chairman, West Bengal Zoo Authority for their guidance.

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

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

2. History of the zoo

Harinalaya is located in the Newtown-Kolkata Metropolis in West Bengal. Harinalaya was previously categorised as Deer Park with 50 numbers of Spotted Deer. These Spotted Deer were rescued from Taratala Nature Park and released in Harinalaya on 10.02.2016 and 22.02.2016. later on, 19.02.2016, 06 numbers of Barking Deer were released in Harinalaya.

Harinalaya is currently recognised as a Mini Zoo by the Central Zoo Authority, with a total area of 15.2 acres.

3. Vision

This Zoo envisions providing a means for raising community awareness of ex-situ conservation and expertise on the proper maintenance and ex-situ conservation of the globally and regionally threatened fauna and flora. The zoo will serve as an institute to research animal behaviour, oversee conservation efforts, and create species-specific conservation and management plans. The zoo will work for conservation breeding and endemic species and maintain insurance population as an institution for species and maintain insurance population as an institution for species recovery of endemic species.

4. Mission

Implement the best practices on conservation, conservation breeding, education, research and visitor experiences by connecting people to biodiversity conservation, and to serve as a conservation breeding and nature conservation centre for endemic, and endangered faunal and floral species and scientific landscaping to make optimal use of the natural and park like surroundings.

5. Objective

A. Conservation Breeding:

To breed and rear the endangered species of the fauna of India and the world with the object of saving them from extinction by restocking other Zoos and eventually to enrich the depleted fauna in wild.

B. Conservation Education:

To support conservation education, capacity building, awareness and community attitude development towards conservation.

C. Animal Housing:

To ensure housing of captive animals and birds with special emphasis on health care, ethical standards, animal welfare and excellent animal husbandry.

D. Awareness:

To serve the cause of Wildlife conservation by arousing interest and concern for wildlife by organizing exhibitions and seminars among public.

E. Conservation Research:

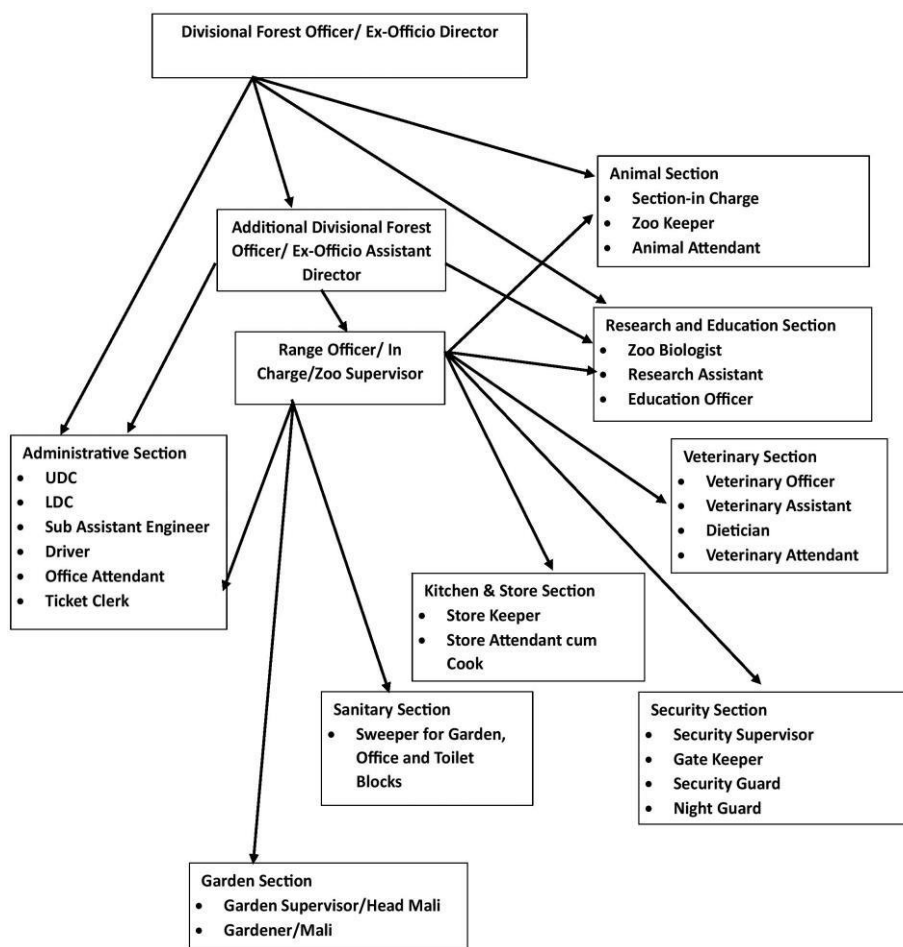
To facilitate research and scientific study on animal behaviour, behavioural and environmental enrichment, nutrition and reproductive biology.

6. About us

Sl.No.	Particulars	Information
Basic Information about the Zoo		
1	Name of the Zoo	Harinalaya
2	Year of Establishment	2017
3	Address of the Zoo	Harinalaya, Action Area IIE, Newtown West Bengal 700156
4	State	West Bengal
5	Telephone Number	033 22482504
6	Fax Number	033 22482504
7	E-mail address	dcfurkolkata@gmail.com ; harinalaya2017@gmail.com
8	Website	Harinalayazoo.com
9	Distance from nearest	Airport: 6 km
		Railway Station:7.3 km
		Bus Stand: 1 km
10	Recognition Valid upto (Date)	25-05-2025
11	Category of zoo	Mini Zoo
12	Area (in Hectares)	6.15 hectare
13	Number of Visitors (2023-2024)	Adult: 2,60,604
		Children:44,616

		Total Visitors: 3,05,220
14	Visitor's Facilities Available in Zoo	<ul style="list-style-type: none"> • Public facilities like toilets • Sufficient number of drinking water taps • Visitor information centre • Zoo education facilities • Kiosks and restaurant • Emergency telephone facility • First Aid • Wheelchair and ramps <p>Other Facilities</p> <p>Visitor Rest Shed, Child Care Room, Children's Play Equipment in children's park</p>
15	Weekly Closure Day of the Zoo	Thursday
Management Personnel of the zoo		
16	Name of the Officer	Ram Prasad Badana, IFS
Owner / Operator of the Zoo		
17	Name of the Operator	Department of Forests, Government of West Bengal & West Bengal Zoo Authority
18	Address of the Operator	Aranaya Bhawan, Block- LA-10A, Sector- III, Salt Lake City, Kolkata- 700106, West Bengal
19	Contact details/Phone number of Operator	Phone: <u>+91 33 23355011</u> (EPABX), 033- 2335-8755 FAX: <u>+91 33 23350012</u>
20	E-mail address of Operator	<u>mswbza@gmail.com</u>

7. Organizational Chart



8. Human Resources

Manpower of the Zoo				
S.No	Designation	Employee Name	Email	Contact Number
1	Officer In-charge/ Zoo Director	Sri RamprasadBadana, IFS	dcfurfkolkata@gmail.com	(033) 2248-2504
2	Curator	-	-	-
3	Ex-Officio Asst. Director	Ms.Ankita Bhaduri, WBFS	Harinalaya2017@gmail.com	-
4	Unit In-Charge/ Range	Sri Vivek Ojha	Harinalaya2017@gmail.com	-

	Officer			
5	Veterinarian	Dr Tarashankar Pan	-	-
5	Research Assistant	Ms.Purbasha Acharyya Chowdhury	purbashachowdhury02@gmail.com	-
6	Zoo Supervisor	Sri Biplab Kumar Bhowmik	-	-
8	Veterinary Assistant	Wasikur Rahaman	wasikurrock@gmail.com	-
9	Technical Assistant	Sudipto Manna	sudiptomannat2@gmail.com	-
10	Zoo Keeper	DebashisMondal, Prosad Barman	-	-
11	Animal Attendant	ShyamalMahata, KrishnenduSahoo, Ashis Sarkar, DhananjoySahis	-	-

9. Capacity Building of zoo personnel

Capacity Building of zoo personnel					
SINo.	Name	Designation	Subject matter of Training	Date of Training	Name of the Institution where the Training attended
1.	DebasishMondal ShyamalMahata	Zoo Keeper Animal Attendant	Reptile Husbandry, Handling Upkeep & Veterinary Workshop for Zoo reptile keepers at Alipore	17.05.2023	Zoological Garden, Alipore, Kolkata
2.	ShyamalMahata DhananjoySahis	Animal Attendant	Workshop on handling turtle.	23.05.2023	Garchumuk Zoological Park
3.	KrishnenduSahoo DhananjoySahis PrashantaMondal	Animal Attendant	One day hands on workshop on identification, Husbandry, & safe handling of salt water crocodile.	17.06.2023	Bhagabatpur Crocodile Project.

4.	DebasishMondal KrishnenduSahoo DhananjoySahis SagarTikadar DebabrataMahata	Animal Attendant	Training programme for Captive Management for Zoo keepers and animal attendants.	16.10.2023	Zoological Garden, Alipore, Kolkata
5.	WasikurRahaman	Veterinary Assistant	Capacity Building workshop for Zoo Veterinarians.	16.10.2023- 18.10.2024	Van Vihar National Park Zoo, Bhopal, Madhya Pradesh
6.	DebasishMondol	Zoo Keeper	Capacity Building Programme for Zoo Keeper of Eastern region.	05.03.2024- 07.03.2024	NandanKanan Zoological Park, Bhubaneswar, Odissa

10. Zoo Advisory Committee- NIL

- a) Date of constitution- Not applicable
- b) Members- Not applicable
- c) Meeting Date- Not applicable

11. Health Advisory Committee

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

Details of the Health Advisory Committee:

Sl. No.	Name of the member	Designation
1	Joint Director, ARD IAH &VB (R&T),Belgachia, Kolkata-37	Chairman
2	Dr.JoyjitMitra, Specialist, (Sero-Epidemiology), RDDDL(ER), IAH&VB,Belgachia, Kolkata-37	Member
3	Dr.Debasish Chatterjee, Asst. Director, ARD (Vety), (Disease Investigation), IAH&VB,Belgachia, Kolkata-37	Member

4	Dr.Proloy Mandal, Asst. Director, ARD (Vety), IAH&VB Belgachia, Kolkata-37	Member
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12. Statement of income and expenditure of the Zoo

Income (Rs.): Rs. 1,40,76,456/-

Expense (Rs.): Rs. 14,15,30,207/-

13. Daily feed Schedule of animals

Diet chart of Spotted Deer/ Head/day		
SL. No.	Feed Item	Quantity
1	Wheat Bran	0.900 kg
2	Crushed Barley	0.150 kg.
3	Crushed Oats	0.100 kg.
4	Soaked Gram	0.250 kg.
5	Sweet Potato	0.200 kg.
6	Carrot	0.600 kg.
7	Green Leafy Vegetables	0.300 kg.
8	Beans	0.350 kg.
9	Soaked Corn	0.500 kg.
10	Common Salt	0.050 kg.
	Total-	3.45 kg.
11	Green Fodder	1.000kg

Diet chart of Barking Deer/ Head/day		
SL. No.	Feed Item	Quantity
1	Wheat Bran	0.500 kg.

2	Crushed Barley	0.200 kg.
3	Oats	0.150 kg.
4	Soaked Gram	0.130 kg.
5	Red Potato	0.450 kg.
6	Carrot	0.500 kg.
7	Leafy Vegetables	0.400 kg.
8	Beans	0.211 kg.
9	Banana	0.450 kg.
10	Common Salt	0.020 kg.
	Total-	3.67kg.
11	Green Grass	0.950

Diet chart of Zebra/ Head/day		
SL. No.	Feed Item	Quantity
1	Wheat Bran	2.100 kg.
2	Chrushed Indian Corn	0.500 kg.
3	Dry Gram	0.500 kg.
4	Oats	0.300 kg.
5	Crushed Barley	0.800 kg.
6	Carrot	1.900 kg.
7	Common Salt	0.050 kg.
8	Hay Grasses	4.000 kg.
9	Mineral Block	For Licking

Diet chart of Giraffe/ Head		
SL. No.	Feed Item	Quantity
1	Wheat Bran	3.250 kg.
2	Chrushed Oat	0.400 kg.

3	Chrushed Barley	2.000 kg.
4	Chrushed Gram	0.400 kg.
5	chrushed Maize	0.400 kg.
6	Boiled Lentil	0.400 kg.
7	Onion	0.250 kg.
8	Sweet Potato & Carrots	4.000 kg.
9	Beans	1.000 kg.
10	Banana	3.500 kg.
11	Apple	2.500 kg.
12	Guava	0.500 kg.
13	Orange	4 Pcs.
14	Molasses	0.200 kg.
15	Ground Nut Cake	0.250 kg.
16	Mustard Oil Cake	0.100 kg.
17	Salt	0.010 kg.
18	Leaves	L.S.
19	Mineral & Vitamin Mixture	1% of concentrate
20	Mineral Block	For Licking

Diet chart of Hippopotamus/ Head		
SL. No.	Feed Item	Quantity
1	Wheat Bran	7.400 kg.
2	Chrushed Oat	0.625 kg.
3	Chrushed Barley	1.300 kg.
4	Soaked Gram	3.125 kg.
5	Wheat	0.625 kg.
6	Linseed	0.125 kg.

7	Sweet Potato	2.400 kg.
8	Carrots	3.000 kg.
9	Cabbage	4.800 kg.
10	Salt	0.188 kg.
11	Leafy Vegetables	3.450 kg.
12	Green Grass	53.115 kg.

Diet chart of Exotic Monkey/ Head/day		
SL. No.	Feed Item	Quantity
1	Egg	1 pc
2	Papaya	0.080
3	Carrot	0.060
4	Beetroot	0.014
5	Sprout gram and mung bean	10 gm
6	Carrot	2.000 kg.
7	Lettuce (Weekly once)	1 leaf
8	Alfa alfa (Weekly twice)	20 leaves
9	Banana	1 pc
10	Cucumber	50 gm
11	Watermelon	30 gm
12	Banana	1 pc
13	Muskmelon	10 gm
14	Walnut	1 pc
15	Almond	1 pc
16	Mealworm	5 pcs
17	New world Primate diet	10 pcs

Diet chart of Sugar Glider/ Head/day		
SL. No.	Feed Item	Quantity
1	Cucumber	10 gm
2	Carrot	0.050
3	Apple	10 gm
4	Cerelac	0.006

Diet chart of Crocodile/Animal/Week		
Sl. No.	Feed Item	Quantity
1	Small Fish	45.000 kg./wk
2	Chicken Meat	45.000 kg./wk
	Total-	90.000 kg./wk
* Body weight - 5% to 10 %/ wk/Animal		

Diet chart of Cockatoo / Head/Day		
SL. No.	Feed Item	Quantity
1	Soaked Gram	100 gm.
2	Maize	50 gm.
3	Nuts	100 gm.
4	Sunflower Seed	50 gm.
5	Kusumdana	50 gm.
6	Milk & Bread	75 gm.
7	Fruits	100 gm.

Diet chart of Macaw / Head/Day		
SL. No.	Feed Item	Quantity

1	Fruits	100 gm.
2	Sugarcane	3 - 4 pcs.
3	Milk & Bread	75 gm.
4	Walnut	1 No.
5	Kusumdana	50 gm.
6	Sunflower Seed ,Nuts	150 gm.
7	Soaked Gram	50 gm.
8	Maize	50 gm.

Diet chart of Amazon Parrot, Eclectus Parrot, Lory, African Gray Parrot/ Head/Day

SL. No.	Feed Item	Quantity
1	Fruits	100 gm.
2	Kusumdana	50 gm.
3	Nuts	100 gm.
4	Sunflower Seed	50 gm.
5	Soaked Gram	50 gm.
6	Maize	50 gm.

Diet chart of Pheasants/ Head/Day

SL. No.	Feed Item	Quantity
1	Soaked Gram	20 gm.
2	Soaked Maize	20 gm.
3	Crushed Maize	25 gm.
4	Chattu	10 gm.
5	Leafy Vegetable	25 gm.

6	Pumpkin + Onion + Garlic	50 gm.
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Diet chart of Cassowary/ Head/Day		
SL. No.	Feed Item	Quantity
1	Banana	350 gm.
2	Papaya	500 gm.
3	Apple	400 gm.

Note: The Diet of Animals is under review by the Health Advisory Committee.

14. Vaccination Schedule of animals

Vaccination schedule is under preparation in consultation with Health Advisory Committee.

15. De-worming Schedule of Animals

Name of Species	Name of Medicine	Dosage of Medicine/animal	Date of Deworming
Mixed Deer	Panacur Powder	1.5 gm	27.06.23
Zebra	Panacur Powder	15gm	27.06.23
Giraffe	Panacur Powder	30gm	27.06.23
Red Tailed Monkey	Panacur Powder	1gm	27.06.23
Tufted Capuchin	Panacur Powder	250mg	27.06.23
Golden Headed Lion Tamarin	Panacur Powder	125mg	27.06.23
White Lipped Tamarin	Panacur Powder	125mg	27.06.23

Barking Deer	Tab. Panacur 150 mg	1 Tab	06.07.23
Hoolock Gibbon	Panacur Powder	25 mg	15.07.23
Hoolock Gibbon	Tab. Panacur 150 mg	½ tab.	08.02.24
All Birds	Cina-30	22 ml in 15 Liter water	29.02.24

Note: Deworming schedule is under review in consultation with Health Advisory Committee.

16. Disinfection Schedule

Name of disinfectant	Dosage of disinfectant	Application
Vircon S	10 gm /l water	Weekly once spray all over the enclosures
Virocid	5 ml /l water	Weekly once spray all over the enclosures
Potassium Permanganate	1% Potassium Permanganate (10gm/l)	Foot Bath, Cleaning and disinfection of equipment

17. Health Check-up of employees for zoonotic diseases

Health Checkup for the following disease are under process.

1. Tuberculosis Bacteria Test
2. Anti Rabies vaccine
3. Chest X-ray
4. Blood Pressure

5. Blood Sugar
6. De-worming

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

During the year 2023-24 several new enclosures have been built up for various mammals and birds

1. Additional works for Hoolock Gibbon enclosure and night shelter.
2. Additional works for Red tailed Monkey enclosure.
3. Construction of Store.
4. Repairing and renovation of existing cafeteria.
5. Renovation works for vermicomposting shed. (Under construction)
6. Extension of Seminar Hall. (Under construction)
7. Construction of Quarantine cage in Rescue centre. (Under construction)
8. Decorative Bamboo fencing at Harinalaya.
9. Renovation of administrative zone at Harinalaya Mini Zoo.



Additional works for Hoolock Gibbon Enclosure and Night Shelter



Additional Work for Red Tailed Monkey Enclosure



Repairing and Renovation of existing cafeteria



Renovation Works for Vermicomposting shed



Construction of Quarantine cage in Rescue centre



Extension of Seminar Hall



Construction of Store



Renovation of Administrative Zone



Decorative Bamboo fencing at Harinalaya

19. Education and Awareness programmes during the year

Date	Name of the School/Institution	Number of Students	Number of Teaching & Non teaching Staff
15-07-2023	Orchid International School	56	17
18-07-2023	Acharya Tulsi Academy	341	27
19-07-2023	Shis Bridge School	71	20
04-08-2023	Aditya Academy Secondary	78	11
11-08-2023	Euro Kids	72	8
01-09-2023	North Calcutta Public High School		
02-09-2023	Barackpore Govt. High School	52	7
27-09-2023	Akshaynagar Kumarnarayan Madhyamik school	97	15
25-10-2023	North Point Jr. Secondary School	94	17
08-11-2023	Euro Kids	13	7
08-11-2023	Calcutta Boys School	96	8
14-11-2023	Sukanta Nagar Childe Care Home		
24-11-2023	Heritaz School	230	15
24-11-2023	The Kidz Houz	70	24
25-11-2023	GD Goyenka Public School	40	3
28-11-2023	Salt Lake Point School	85	8
28-11-2023	Jr. DPS	10	11
28-11-2023	Euro Kids	50	12
29-11-2023	Teghoria Free Primary School	102	14
29-11-2023	Salt Lake Point School	120	8
01-12-2023	Salt Lake Point School	116	24
01-12-2023	Euro Kids	25	11
01-12-2023	Krishnapur Majherpara F P School	50	10
02.12.2023	Euro Kids	28	14
04.12.2023	Salt Lake Point School	131	10
05.12.2023	Salt Lake Point School	118	9
06.12.2023	Kangaroo Kids	17	4
08.12.2023	North Kolkata Public High School	178	22
09.12.2023	A HAND	85	11
09.12.2023	Sub-Inspector of Schools	20	25
09.12.2023	SRI CHAITANYA Techno School	157	32
11.12.2023	B F BLOCK PRIMARY SCHOOL	27	12
11.12.2023	LITTLE Millennium	25	8
11.12.2023	LITTLE Millennium	17	3

11.12.2023	The B S S SCHOOL	132	10
11.12.2023	Kiddle Cloud Pre School	66	24
12.12.2023	LITTLE Millennium Pre School	26	7
12.12.2023	The B S S SCHOOL	164	10
12.12.2023	The Lighting Lives SCHOOL	139	10
13.12.2023	CONVENT OF OUR LADY PROVIDANCE GIRLS HIGH SCHOOL	401	29
13.12.2023	DELHI PUBLIC SCHOOL, RUBY PARK, KOLKATA	438	15
13.12.2023	Kangaroo Kids	15	6
13.12.2023	THE BSS SCHOOL	160	10
13.12.2023	Tiljala Boys and Girls primary school	22	5
13.12.2023	Young Learners Montessori House	15	22
13.12.2023	Anandadhara Shikshayatan	57	17
13.12.2023	PANDIT RAGHUNATH MURMU MEMORIAL SCHOOL	46	18
14.12.2023	KRISHNAPUR PRATHAMIK VIDYALAYA	30	21
14.12.2023	SUB- INSPECTOR OF SCHOOL	43	12
15.12.2023	SRI CHAITANYA Techno School	48	10
15-12-2023	Euro Kids	34	14
15-12-2023	Kid Zee School, Rjarhat	35	16
15.12.2023	The B S S SCHOOL	142	10
15.12.2023	LITTLE Millennium Pre School	14	9
15.12.2023	Rajarhat Primary Teachers Association	123	77
16.12.2023	St. Francis International School	108	16
16.12.2023	HolyKidz Montessori preschool	25	40
16.12.2023	SMART KIDS HOUSE PRE/PLAY SCHOOL & DAY CARE	58	12
16.12.2023	RAHAMANIA MADRASA MISSION	42	38
16.12.2023	ST. FLORENCE ENGLISH MEDIUM	69	14
17.12.2023	Climb Kiddo Preschool	18	30
18.12.2023	Adarsh Harijan Vidyalaya	61	8
19.12.2023	Euro Kids	16	20
19.12.2023	Jibreel International School	48	9
19.12.2023	The Rising Sun KG School	22	12
19.12.2023	Ghuni FP Primary School	103	12
19.12.2023	Bazm-E-Shorfa U.P. School	59	5
19.12.2023	Bela Rani Free primary School	48	21
20.12.2023	DELHI PUBLIC SCHOOL, RUBY PARK, KOLKATA	446	15
20.12.2023	ANANDAMATH SISHU VIDYALAYA	35	32
20.12.2023	kidzee Pre School	18	8
20.12.2023	Lake Point School	32	13
20.12.2023	Kangaroo Kids	45	25
20.12.2023	Office of the Councillors of Champadany Municipality	40	29
20.12.2023	Blooming Dale High School	14	20
20.12.2023	UPENDRA VIDYAMANDIR (GIRLS)	21	3
20.12.2023	Dakshin Sarai Jr. Basic School	33	16

22.12.2023	AIWC Happy Home K G School	48	59
22.12.2023	Dew Drops School	39	64
23.12.2023	Aptech Montana Kestopur School	14	19
23.12.2023	Little Millennium Pre School	22	43
23.12.2023	The Munchkins Island	9	8
24.12.2023	Srijan Charu O Karu Kala Kendra	15	7
29.12.2023	Little Einsteins Pre School	25	13
29.12.2023	Towards Future (NGO)	96	12
05.01.2024	Little Star High School	107	30
05.01.2024	EKIDZ NARAYANA SCHOOL, New Town	100	22
05.01.2024	Junior Scholar Kids International School	22	6
07.01.2024	KIDZEE PRESCHOOL	30	9
09.01.2024	Joygram Social Welfare Society	55	13
09.01.2024	Sri Chaitanya Techno School	250	28
10.01.2024	Narayanpur Ashutosh Bhabanmayee High School	130	15
11.01.2024	Blossoms Pre school	7	4
11.01.2024	On Your Mark Preschool	36	11
11.01.2024	Ashokenagar Adarsha Balika Vidyalaya	122	30
11.01.2024	Duke World Academy	78	12
11.01.2024	Delhi Public School Ruby Park, kolkata	449	15
11.01.2024	Bhawanipur Gujarati Education Society School	30	3
11.01.2024	Maheshwari Balika Vidyalaya	428	0
12.01.2024	Star Kids,Rajarhat	44	24
12.01.2024	The Dimention	77	25
12.01.2024	The World Of Children	20	8
13.01.2024	Kasba Balika Vidyalaya Primay	100	14
13.01.2024	Thumri Academy	20	13
13.01.2024	Rainbow Activites	40	6
15.01.2024	Delhi Public School Ruby Park, kolkata	426	15
17.01.2024	The Little Toddlers World Pre School.	16	7
17.01.2024	Little Scholars Play School	92	25
17.01.2024	Shishu Niketan School Sonarpur	123	45
18.01.2024	Euro Kids	39	8
18.01.2024	LYCEUM	57	15
18.01.2024	Toddler School	100	30
18.01.2024	Baranagar Mayapith Nari Siksha Ashram	70	12
18.01.2024	KIDZEE PRESCHOOL	23	12
18.01.2024	Gems Public School	25	14
18.01.2024	Bodhi Peet School Section	62	13
20.01.2024	ANGELS EDEN PRESCHOOL	30	12
20.01.2024	The Dimension School	75	10
20.01.2024	Indra Gopal High School	90	25
20.01.2024	STRATFORD DAY SCHOOL	196	38
20.01.2024	JYOTIRMOY PUBLIC SCHOOL	120	30
20.01.2024	ULLA KALSARA KADRIA HIGH MADRASAH (H.S)	162	14
21.01.2024	Sanjeeva Town Owners Beneficiary Trust	34	10

22.01.2024	IEM PUBLIC SCHOOL NEWTOWN	34	8
23.01.2024	SMART KINDIES PRE SCHOOL, LAKETOWN	23	8
24.01.2024	Devaki Memorial School	61	17
24.01.2024	The BSS School	136	10
24.01.2024	St. Margaret's School	82	15
24.01.2024	Sukchar Satadal Balika Vidyayatan	164	37
25.01.2024	Khalisani Nari Siksha Mandir	45	9
25.01.2024	Makoons preschool	10	9
25.01.2024	The BSS School	150	11
28.01.2024	The Rajibpur Nursery School	18	10
29.01.2024	Indira Gandhi Memorial School	92	18
29.01.2024	The BSS School	147	10
30.01.2024	Orchids International School	145	16
30.01.2024	IEM PUBLIC SCHOOL SALT LAKE	142	25
30.01.2024	The BSS School	126	11
30.01.2024	Bigleap Inclusive School	12	23
31.01.2024	The BSS School	109	9
31.01.2024	Mansarat High School	52	11
31.01.2024	Sulongori Junior High School	21	6
31.01.2024	Dumdum Sri Aurobindo Balika Vidyamandir	20	20
31.01.2024	Khandalia High School	390	60
01.02.2024	The Edukids Preschool	11	10
02.02.2024	Little Shark Preschool	12	16
02.02.2024	IVY Wonder Preschool	4	9
02.02.2024	Agrasain Boys School	202	19
03.02.2024	Bodhi Bhawan collegiate School	11	2
03.02.2024	Orchids The International School	197	10
03.02.2024	St. Stephen's School	47	19
03.02.2024	Techno India Kids	20	5
04.02.2024	Laugh and Learn Preschool	22	6
04.02.2024	Flower II School	24	6
04.02.2024	Natyam Group (Dance Institution)	24	2
06.02.2024	Vels Global School	120	10
06.02.2024	Towards Future	120	8
06.02.2024	Delhi Public Secondary School	136	26
06.02.2024	Saradapally Vidyapith	55	9
07.02.2024	Jamia Khair-E-Ummat Madrasa School	42	6
07.02.2024	Delhi Public Secondary School	173	14
07.02.2024	Daria High School	122	17
07.02.2024	Azad Children Academy	14	5
08.02.2024	Ideal School For The Deaf	45	20
08.02.2024	Kidzee Preschool	53	16
09.02.2024	USHUMPUR ADARSHA UCHCHA VIDYALAYA FOR GIRLS(H.S)	110	15
09.02.2024	SINTHI RAMKRISHNA SANGHA SARADA VIDYAMANDIR	45	8
09.02.2024	Budge Budge St. Thomas Memorial School	201	41

09.02.2024	Agrasain Boys School	75	17
10.02.2024	Sishu Tirtha School	29	20
10.02.2024	Jyoti Shishu Vihar	218	42
10.02.2024	Rastriya Swayamsevak Sangh	13	6
11.02.2024	Kolkata Public School	141	31
11.02.2024	An Noor Tazbidul Quran Madrasha	45	10
12.02.2024	SUKANYA HOME, SALT LAKE	53	13
12.02.2024	KIDZEE Preschool	58	11
16.02.2024	Balnilya Academy Foundation	103	23
16.02.2024	Fun n Joy Preschool	15	12
16.02.2024	Delhi Public School	322	27
16.02.2024	Kangaroo kids	93	29
17.02.2024	Maria Memorial High school	30	6
18.02.2024	Future Hope(NGO)	40	5
18.02.2024	Uttar Akhratala F.P. School	31	31
20.02.2024	First Cry Intellitots Preschool	18	32
20.02.2024	Delhi Public School	210	22
21.02.2024	Delhi Public School	418	15
21.02.2024	Eurokids	5	4
23.02.2024	Masonic Montessori House	15	19
23.02.2024	Delhi Public School	340	14
23.02.2024	Newtown Foundation	31	4
24.02.2024	Kidzee Preschool	23	11
25.02.2024	Madonna High School For the Deaf	26	11
01.03.2024	Shyamnagar Jawaharlal Nehru Smriti Vidyamandir	26	12
01.03.2024	AGAPE Mission School	64	14
02.03.2024	KIDZEE GARIA	33	18
02.03.2024	Park Circus Sarat Memorial Institute	46	10
06.03.2024	Jadurhati Rabindra Balika Vidyalaya (H.S)	51	22
06.03.2024	Adarsh Shishu Niketan	441	19
06.03.2024	AL-AMEEN Mission Academy, Uluberia	64	10

20. Important Events and happenings

WORLD ENVIRONMENT DAY

Date: 5th June, 2023





World Giraffe Day

Date: 21th June, 2023





Swachh Bharat Mission

Date: 2nd October, 2023



International Wetlands Day

Institution name :Agrasain Boys School

Date: 2nd February, 2024





21. Seasonal special arrangements for upkeep of animals

a) Care for animals during summer

- Installation of sprinkler in different primate enclosures and aviaries
- Hanging of Khus-khus curtain at the particular sites to evade scorching heat
- Providing ORS to all animals
- Providing more shades for the animals with organic material.

b) Care for animals during monsoon

- Disinfection of enclosures are done more frequent

c) Care for animals during winter

- Enough housing
- Providing proper substance as bedding for reptiles during hibernation

- Heating as and when required.

22. Research Work carried out and publications

A case report on *Trichophyton spp.* Infection in Red- Tailed Monkey (*Cercopithecusascanius*) at Harinalaya was submitted.

23. Conservation Breeding Programme of the Zoo

Conservation breeding program has been planned for Painted Stork (*Mycteria leucocephala*), Lesser Adjutant Stork (*Leptoptilos javanicus*), Black headed ibis (*Threskiornis melanocephalus*) and Yellow Monitor Lizard (*Varanus flavescens*).

24. Animal acquisition / transfer / exchange during the year

A. Animals arriving in the zoo					
	Memo No.	Species	No. (M:F:U)	From which zoo	Date of arrival of zoo
1.	116/ K-23 Challan no- WB/126401/1265	Black Curassow	2:0:0	Krishnanagar Range, Nadia- Murshidabad Division.	17.04.2023
2.	Challan no- A 068/1	Red-tailed Monkey	1:5:0	North Bengal Wild Animal Park	09.05.2023

B. Animals going from the zoo

	Memo No.	Species	No. (M:F:U)	Going to which zoo	Date of arrival of zoo
1.	Challan no- 127/01	Chinese Goose	4:2:0	Transfer to North Bengal Wild Animal Park, Siliguri	15.12.2023
2.	Challan no- 127/01	Marabow Stork	1:0:0	Transfer to North Bengal Wild Animal Park, Siliguri	15.12.2023
3.	Challan no- 127/01	Helmeted curassow	1:0:0	Transfer to North Bengal Wild Animal Park, Siliguri	15.12.2023
4.	Challan no- 127/01	Great curassow	1:0:0	Transfer to North Bengal Wild Animal Park, Siliguri	15.12.2023
5.	135/DP-23	Golden Pheasant Morph	2:2:0	Transfer to Padmaja Naidu Himalayan Zoological Park, Darjeeling	24.02.2024

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

Sl No	Date of Rescue	Species with number of animals rescued with their sex (M:F:U:T)	Received from	Date of Submission of Report to the CWLW/CZA	Action taken	
					Date & Place of rehabilitation in their habitat	Reasons for housing in the zoo, if not released in their habitat
1.	15.06.2023	Hoolock Gibbon 1:1:0:2	Seized; source undetected.	22.12.2023	From 15.06.2023 at Harinalaya Mini Zoo	Found unlikely to survive in the wild

26. Annual Inventory

FORM-II
[See rule 11 (1)]

PART - A
Harinalaya at Eco Park (Nature Park At Taratola Road), Kolkata, West Bengal

Proforma for Annual Inventory Report
Inventory Report for the Year : 2023-2024

Endangered Species*

- Modified Closing Balance

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2023)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2024)				
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
Mammalia																							
1.	Hoolock Gibbon	<i>Hoolock hoolock</i>	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	2
Total Mammalia		1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	2
Reptilia																							
1.	Marsh Crocodile	<i>Crocodylus palustris</i>	3	2	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	5
2.	Saltwater Crocodile	<i>Crocodylus porosus</i>	1	3	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	4
Total Reptilia		2	4	5	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	0	9
Total			4	5	0	9	0	0	0	1	1	0	0	0	0	0	0	0	0	5	6	0	11

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

Curator (Animals)


 Director

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PART - B
Harinalaya at Eco Park (Nature Park At Taratola Road), Kolkata, West Bengal
Proforma for Annual Inventory Report
Inventory Report for the Year : 2023-2024

Other than Endangered Species*

- Modified Closing Balance

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2023)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2024)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
Aves																						
1.	# Chinese Goose		0	0	3	3	0	0	9	0	0	0	4	2	0	0	1	0	3	2	0	5
2.	Orange-winged Amazon, Orange-winged Parrot	<i>Amazona amazonica</i>	17	12	0	29	0	0	0	0	0	0	0	0	0	3	6	0	14	6	0	20
3.	Maggie Goose	<i>Anseranas semipalmata</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
4.	Blue-and-gold Macaw, Blue-and-yellow Macaw	<i>Ara ararauna</i>	9	11	0	20	0	0	0	0	0	0	0	0	0	1	0	0	8	11	0	19

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S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2023)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2024)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
5.	Green-winged Macaw, Red-and-green Macaw	<i>Ara chloropterus</i>	3	1	1	5	0	0	0	0	0	0	0	0	0	1	0	0	2	1	1	4
6.	Scarlet Macaw	<i>Ara macao</i>	4	0	0	4	0	0	0	0	0	2	0	0	0	0	0	0	4	0	2	6
7.	Barnacle Goose	<i>Branta leucopsis</i>	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
8.	# Umbrella Cockatoo, White Cockatoo	<i>Cacatua alba</i>	0	0	4	4	0	0	0	0	0	2	0	0	0	0	0	0	4	2	0	6
9.	# Greater Sulphur-crested Cockatoo, Sulphur-crested Cockatoo	<i>Cacatua galerita</i>	0	0	6	6	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	6
10.	# Lesser Sulphur-crested Cockatoo, Yellow-crested Cockatoo	<i>Cacatua sulphurea</i>	0	0	6	6	0	0	0	0	0	0	0	0	0	0	0	0	4	2	0	6
11.	Red-tailed black cockatoo, Red-tailed Black-Cockatoo	<i>Calyptorhynchus banksii</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3

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S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2023)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2024)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
12.	Dwarf Cassowary	<i>Casuarius bennetti</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
13.	Southern Cassowary	<i>Casuarius casuarius</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
14.	Golden Pheasant	<i>Chrysolophus pictus</i>	4	5	0	9	0	0	0	0	0	2	2	0	2	1	0	0	2	0	2	
15.	Abdim's Stork	<i>Ciconia abdimii</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
16.	Globose Curassow, Great Curassow, Mexican Curassow	<i>Crax rubra</i>	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
17.	# Black Swan	<i>Cygnus atratus</i>	0	0	4	4	0	0	0	0	0	0	0	0	1	1	0	1	1	0	2	
18.	# Mute Swan	<i>Cygnus olor</i>	1	0	1	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	
19.	Eclectus Parrot	<i>Eclectus roratus</i>	2	3	0	5	0	0	0	0	0	0	0	0	0	0	0	2	3	0	5	
20.	# Harlequin Duck	<i>Histrionicus histrionicus</i>	0	0	10	10	0	0	0	0	0	0	0	0	1	0	0	5	4	0	9	
21.	Marabou Stork	<i>Leptoptilos crumenifer</i>	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	
22.	# Black-capped Lory, Western Black-capped Lory	<i>Lorius lory</i>	0	0	22	22	0	0	0	0	0	0	0	0	0	0	0	13	9	0	22	
23.	# Orinoco Goose	<i>Oressochen jubatus</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	

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S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2023)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2024)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
24.	Helmeted Curassow, Northern Helmeted Curassow	<i>Pauxi pauxi</i>	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	
25.	Alexandrine Parakeet	<i>Psittacula eupatria</i>	3	5	0	8	0	0	0	0	0	0	0	0	0	0	0	3	5	0	8	
26.	Rose-ringed Parakeet	<i>Psittacula krameri</i>	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	
27.	Grey Parrot, Jacquot	<i>Psittacus erithacus</i>	6	6	0	12	0	0	0	0	0	0	0	0	0	0	0	6	6	0	12	
28.	Paradise Shelduck	<i>Tadorna variegata</i>	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
Total Aves			52	51	65	168	0	0	9	0	0	7	9	4	0	11	9	0	76	67	8	151
Mammalia																						
1.	# Chital/ Spotted Deer	<i>Axis axis</i>	8	7	8	23	1	5	5	0	0	0	0	0	0	0	0	12	17	5	34	
2.	Black-capped Capuchin, Tufted Capuchin	<i>Cebus apella</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	

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S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2023)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2024)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
3.	Black-cheeked White-nosed Monkey, Red-tailed guenon, Red-tailed Monkey, Redtail Monkey, Schmidt's Guenon	<i>Cercopithecus ascanius</i>	0	0	0	0	0	0	0	1	5	0	0	0	0	0	1	0	1	4	0	5
4.	Grant's Zebra	<i>Equus quagga boehmi</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
5.	Northern Giraffe	<i>Giraffa camelopardalis</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
6.	Common hippopotamus, Hippopotamus, Large Hippo	<i>Hippopotamus amphibius</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
7.	Golden-headed Lion Tamarin	<i>Leontopithecus chrysomelas</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
8.	Indian Muntjac	<i>Muntiacus muntjak</i>	1	7	0	8	0	0	0	0	0	0	0	0	1	2	0	0	5	0	5	
9.	# Sugar Glider	<i>Petaurus breviceps</i>	0	0	10	10	0	0	6	0	0	0	0	0	0	0	0	4	6	6	16	

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S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2023)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2024)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
10.	Geoffroy's Tamarin, Red-bellied Tamarin, Red-chested mustached tamarin, Red-chested Tamarin, White-lipped Tamarin	<i>Saguinus labiatus</i>	1	1	0	2	1	1	0	0	0	0	0	0	0	0	0	0	2	2	0	4
Total Mammalia	10		15	19	18	52	2	6	11	1	5	0	0	0	0	1	3	0	24	38	11	73
Total			67	70	83	220	2	6	20	1	5	7	9	4	0	12	12	0	100	105	19	224
Grand Total			71	75	83	229	2	6	20	2	6	7	9	4	0	12	12	0	105	111	19	235

Curator (Animals)


Director

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27. Mortality of Animals

Sl No.	Animal Name	Scientific Name	Sex	Date and time of Death	Cause of Death
1	Amazon Parrot	<i>Amazonaamazonica</i>	Female	04.05.2023	Death may be due to hepatic disfunction leading to chronic anorexia and dehydration.
2	Golden Pheasant	<i>Chrysolophuspictus</i>	Male	05.05.2023	Death may be due to trauma of injury and infected lesions of neck and wings.
3	Red Tailed Monkey	<i>Cercopithecusascanius</i>	Female	21.05.2023	Pneumonia of both lungs and obstruction in GI tract.
4	Amazon Parrot	<i>Amazonaamazonica</i>	-	06.06.2023	Death due to concomitant infection of <i>Aspergillus</i> spp. and New Castle

					disease virus (NDV)
5	Barking Deer	<i>Muntiacus muntjak</i>	Female	09.06.2023	Death due to heat stroke.
6	Amazon Parrot	<i>Amazona amazonica</i>	-	07.07.2023	The cause of death may be Pneumonia and other Respiratory disorder.
7	Barking Deer	<i>Muntiacus muntjak</i>	Male	09.07.2023	Died maybe due to acute bloat.
8	Amazon Parrot	<i>Amazona amazonica</i>	Male	16.07.2023	Death due to respiratory tract infection.
9	Barking Deer	<i>Muntiacus muntjak</i>	Female	19.07.2023	Died due to anaemia and hypoproteinemia.
10	Amazon Parrot	<i>Amazona amazonica</i>	-	02.08.2023	Due to dehydration , Pneumonia and respiratory failure.
11	Amazon Parrot	<i>Amazona amazonica</i>	-	02.08.2023	Due to dehydration along with cardio respiratory disorders.
12	Amazon Parrot	<i>Amazona amazonica</i>	-	07.08.2023	Head injury, followed by anorexia and respiratory failure.
13	Mute Swan	<i>Cygnus olor</i>	Male	15.08.2023	Cardio vascular and respiratory failure due to sudden heart strock.
14	Green winged	<i>Arachloropterus</i>	Male	25.09.2023	Death due to cerebral attack

	Macaw				and respiratory failure.
15	Harlequin Duck	<i>Histrionicushistrionicus</i>	Male	26.09.2023	Cardio respiratory failure due to infection of <i>Staphylococcus aureus</i> .
16	Amazon Parrot	<i>Amazonaamazonica</i>	Female	22.11.2023	Coccidiosis with severe bleeding and respiratory failure.
17	Amazon Parrot	<i>Amazonaamazonica</i>	Male	27.11.2023	Necrosis of bone leading to cardio respiratory failure
18	Golden Pheasant	<i>Chrysolophuspictus</i>	Male	12.12.2023	Due to Pericarditis and heart failure.
19	Blue and Yellow Macaw	<i>Araararauna</i>	Male	26.12.2023	Positive for IBV antigen and cardio respiratory failure.
20	Golden Pheasant	<i>Chrysolophuspictus</i>	Female	15.02.2024	Death due to infection of lungs.
21	Paradise Shelduck	<i>Tadorna variegata</i>	Male	28.03.2024	Death due to suspected E-coli infection.
22	Chinese goose	<i>Ansercygnoides</i>	Female	30.03.2024	Dehydration and electrolyte imbalance lead to multi organ failure.
23	Black Swan	<i>Cygnus atratus</i>	Male	31.03.2024	Due to dehydration and cardio-respiratory

					failure.
24	Black Swan	<i>Cygnus atratus</i>	Female	31.03.2024	Death may be due to cardio-vascular failure.

28. Compliance with conditions stipulated by the Central Zoo Authority

Compliance Reports on conditions stipulated by CZA during grant of recognition based on the zoo evaluation on September 7th 2022

Renewal of recognition of Harinalaya Deer Park, Rajarhat, Kolkata, West Bengal under Section 38-H(1),(3)&(4) of the Wild Life (Protection) Act, 1972 for period beyond 19th August, 2021

Sr. No.	Norm No.	Particulars of suggestions/ recommendation	Time Period to Comply	Remarks
3. Development and Planning				
1.	10.3(3)	Disaster management mock drill should be carried out.	One month	Has been started
4. Animal housing, display of animals and animal enclosures				
2.	10.4(2)	Live screens should be developed in a planned manner between <i>pucca</i> buildings and visitor facilities.	Six months	Complied with
3.	10.4(7)	Screening should be developed between adjoining enclosures by way of plantation.	Six months	Complied with
4.	10.4(8)	Although Harinalaya is presently under the category of mini zoo construction of enclosure for carnivores like tigers and Asiatic lion, reptiles section, herbivore section, enclosure for hippopotamus, giraffe and zebra is going on without any approval from CZA. Proper approval should be taken.	Immediately	Complied with (Approval sought vide memo no 970/1-3 dated 29.08.2023)

				of Ex-officio Director, Harinalaya & DCF/URF)
5.	10.4(10)	More educational signages with important details near the enclosure of animals should be displayed	Three months	Complied with
5. Upkeep and healthcare of animals				
6.	10.5 (9)	All staff involved with upkeep and healthcare of zoo animals should be screened against zoonotic diseases once every year.	Three months	Complied with
6. Veterinary and Infrastructure facilities				
7.	10.6(1)	Sufficient medical equipment and storage facilities should be provided in the zoo.	Three months	Complied with
8.	10.6(3)	Post mortem facility should be equipped properly. Post mortem room should be well ventilated with proper lights, should have <i>pucca</i> post mortem platform, top surface with glazed tiles, underground pipe fitted drainage system and	Three months	Complied with; To be shifted for planned expansion of the Zoo
11. Educational and outreach activities				
9.	10.11(1)	There is a lot of scope for improving the interpretative and educational aspects. Qualitatively superior material should be generated and displayed and made available to the	Three months	Complied with

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

Mammals:

1. Small Indian Civet : *Viverriculaindica*
2. Asian Palm Civet : *Paradoxurus hermaphroditus*
3. Common Mongoose : *Urvaedwardsii*
4. Five-striped Palm Squirrel : *Funambulus pennantii*

5. Lesser Bandicoot Rat : *Bandicotabengalensis*

Reptiles:

1. Spectacled Cobra : *Najanaaja*
2. Monocled Cobra : *Najakaouthia*
3. Banded Krait : *Bungarusfasciatus*
4. Russell's Viper : *Daboiarusselii*
5. CheckeredKeelback : *Fowleapiscator*

Birds:

1. Black-crowned Night Heron : *Nycticoraxnycticorax*
2. Indian Pond Heron : *Ardeolagravii*
3. Cattle Egret : *Bubulcus ibis*
4. Little Egret : *Egrettaagarzetta*
5. Little Cormorant : *Microcarboniger*
6. Black Kite : *Milvusmigrans*
7. Shikra : *Accipiter badius*
8. White-breasted Water hen : *Amaurornisphoenicurus*
9. Common Pigeon : *Columba livia*
10. Eurasian Collared Dove : *Streptopeliadecaocto*
11. Spotted Dove : *Spilopeliachinensis*
12. Rose-ringed Parakeet : *Psittaculakrameri*
13. Alexandrine Parakeet : *Psittaculaeupatria*
14. Common Hawk Cuckoo : *Hierococcyxvarius*
15. Asian Koel : *Eudynamysscolopaceus*
16. Greater Coucal : *Centropussinensis*
17. Asian Palm Swift : *Cypsiurusbalasiensis*
18. Common Hoopoe : *Upupaepops*

19. White-throated Kingfisher	:	<i>Halcyon smyrnensis</i>
20. Common Kingfisher	:	<i>Alcedoatthis</i>
21. Green Bee-eater	:	<i>Meropsorientalis</i>
22. Lineated Barbet	:	<i>Psilopogonlineatus</i>
23. Blue-throated Barbet	:	<i>Psilopogonasiaticus</i>
24. Coppersmith Barbet	:	<i>Psilopogonhaemacephalus</i>
25. Lesser Goldenback	:	<i>Dinopiumbenghalense</i>
26. Common Iora	:	<i>Aegithinatiphia</i>
27. Brown Shrike	:	<i>Laniuscristatus</i>
28. Black Drongo	:	<i>Dicrurusmacrocerus</i>
29. Black-hooded Oriole	:	<i>Oriolusxanthornus</i>
30. Black-naped Oriole	:	<i>Orioluschinensis</i>
31. RufousTreepie	:	<i>Dendrocittavagabunda</i>
32. House Crow	:	<i>Corvussplendens</i>
33. Red-whiskered Bulbul	:	<i>Pycnonotusjocosus</i>
34. Red-vented Bulbul	:	<i>Pycnonotuscafer</i>
35. Common Tailorbird	:	<i>Orthotomussutorius</i>
36. Jungle Babbler	:	<i>Argyastriata</i>
37. Jungle Myna	:	<i>Acridotheresfuscus</i>
38. Common Myna	:	<i>Acridotherestrictis</i>
39. Asian Pied Starling	:	<i>Gracupica contra</i>
40. Chestnut-tailed Starling	:	<i>Sturniamalabarica</i>
41. Oriental Magpie Robin	:	<i>Copsychussaularis</i>
42. Purple-rumped Sunbird	:	<i>Leptocomazeylonica</i>
43. Purple Sunbird	:	<i>Cinnyrisasiaticus</i>
44. House Sparrow	:	<i>Passer domesticus</i>
45. White Wagtail	:	<i>Motacilla alba</i>

Butterflies:

Family: Papilionidae

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|-------------------|---|--------------------------------|
| 1. Common Jay | : | <i>Graphiumdoson</i> |
| 2. Tailed Jay | : | <i>Graphiumagamemnon</i> |
| 3. Lime Butterfly | : | <i>Papiliodemoleus</i> |
| 4. Common Mormon | : | <i>Papiliopolytes</i> |
| 5. Common Rose | : | <i>Pachlioptaaristolochiae</i> |

Family: Pieridae

- | | | |
|--------------------------|---|---------------------------|
| 6. Mottled Emigrant | : | <i>Catopsiliapyranthe</i> |
| 7. Common Emigrant | : | <i>Catopsiliapomona</i> |
| 8. Common Jezebel | : | <i>Delias eucharis</i> |
| 9. Psyche | : | <i>Leptosianina</i> |
| 10. Indian Cabbage White | : | <i>Pieriscanidia</i> |
| 11. Common Wanderer | : | <i>Pareroniavaleria</i> |
| 12. Common Grass Yellow | : | <i>Euremahecabe</i> |

Family: Lycaenidae

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|---------------------|---|--------------------|
| 13. Striped Pierrot | : | <i>Tarucusnara</i> |
| 14. Tiny Grass Blue | : | <i>Zizulahylax</i> |

Family: Nymphalidae

- | | | |
|--------------------------|---|---------------------------|
| 15. Common Bushbrown | : | <i>Mycalesisperseus</i> |
| 16. Common Five-ring | : | <i>Ypthimabaldus</i> |
| 17. Common Four-ring | : | <i>Ypthimahuebneri</i> |
| 18. Tawny Coster | : | <i>Acraea violae</i> |
| 19. DanaidEggfly | : | <i>Hypolimnasmisippus</i> |
| 20. Blue Tiger | : | <i>Tirumalalimniace</i> |
| 21. Striped Tiger | : | <i>Danausgenutia</i> |
| 22. Plain Tiger | : | <i>Danauschrysippus</i> |
| 23. Common Indian Crow | : | <i>Euploea core</i> |
| 24. Common Evening Brown | : | <i>Melanitisleda</i> |

