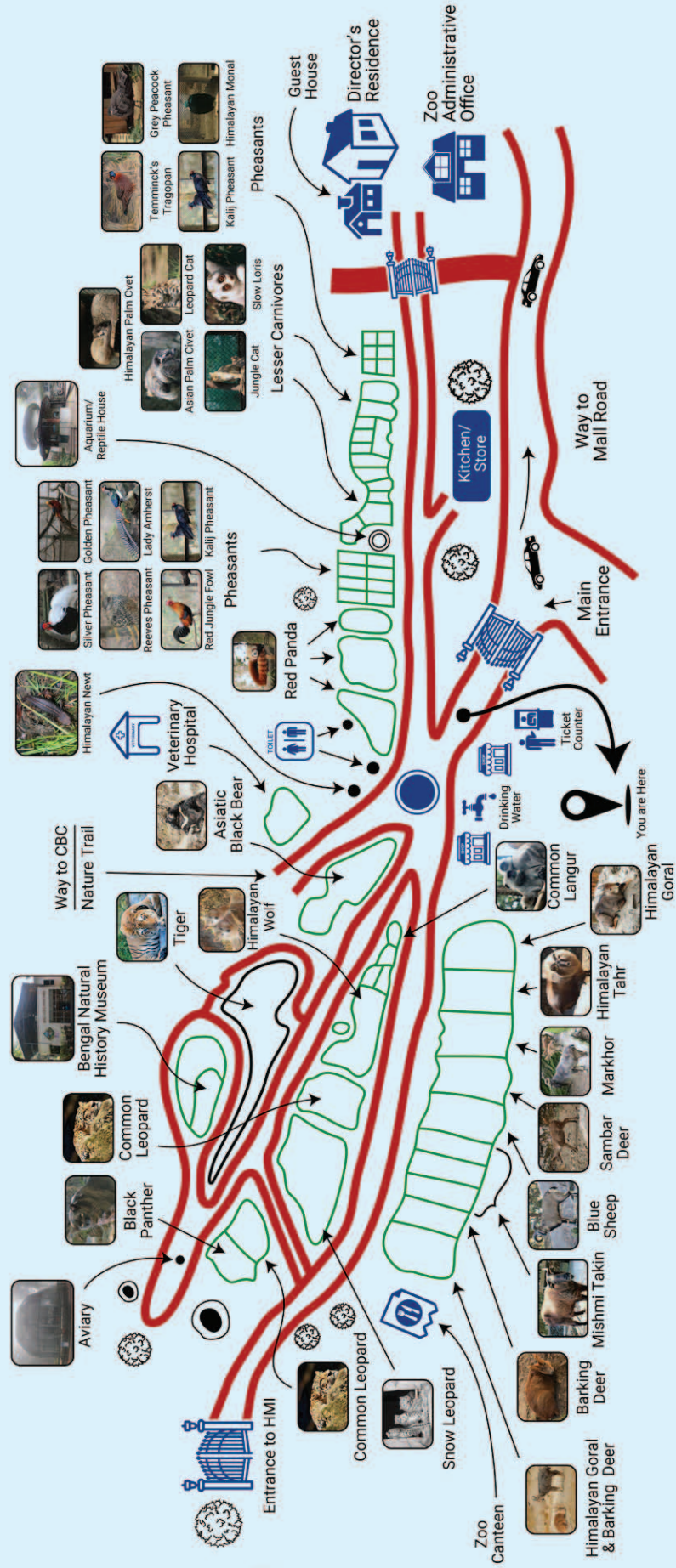




2023-24

PADMAJA NAIDU HIMALAYAN
ZOOLOGICAL PARK
ANNUAL REPORT

GUIDE MAP (Main Display Zone)



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01 REPORT OF THE OFFICER IN CHARGE



Dr. Basavaraj S. Holeyachi , IFS
Director, PNHZP

Over the years, Padmaja Naidu Himalayan Zoological Park has developed an international reputation for its conservation breeding projects for endangered and threatened native species. This is one of the very few zoos in the world, which is working on reintroduction of Threatened species into the wild. PNHZ Park is in the forefront in taking up inhouse and collaborative researches pertaining to the zoo animals, habitat studies in the wild. The outcomes of these researches are used for better scientific management of zoo animals and also for reintroduction of species into the wild. PNHZ Park is one of the most popular destinations for tourists visiting Darjeeling. The park conducted outreach

programmes as mentioned in the zoo calendar every year.

In this year, the zoo had many accomplishments like birth of Red Panda cubs in wild, third Red Panda release program, Red Jungle Fowl and Himalayan Goral release program. Red Panda augmentation is one of the main objective of conservation breeding program of PNHZ Park, this year the park released two Red Pandas in the wild in hope to augment the wild population. The zoo is a landmark for Red Panda release program and till now the park has released nine Red Pandas. Next year the park is planning to release Himalayan Gorals into the wild. Also a new biobanking & genetic laboratory was constructed this year & this is the first zoo in India to develop this facilities. This year a lot of importance was given on modernization of veterinary section, an instrumentation lab was established containing world class technological equipment's. Also a new biobanking unit was established in this year. In conservation breeding centre Dowhill new 6-unit aviary and chick rearing house was constructed to facilitate better breeding and rearing of chicks. A new veterinary hospital was established at Conservation Breeding Centre, Topkey Dara.

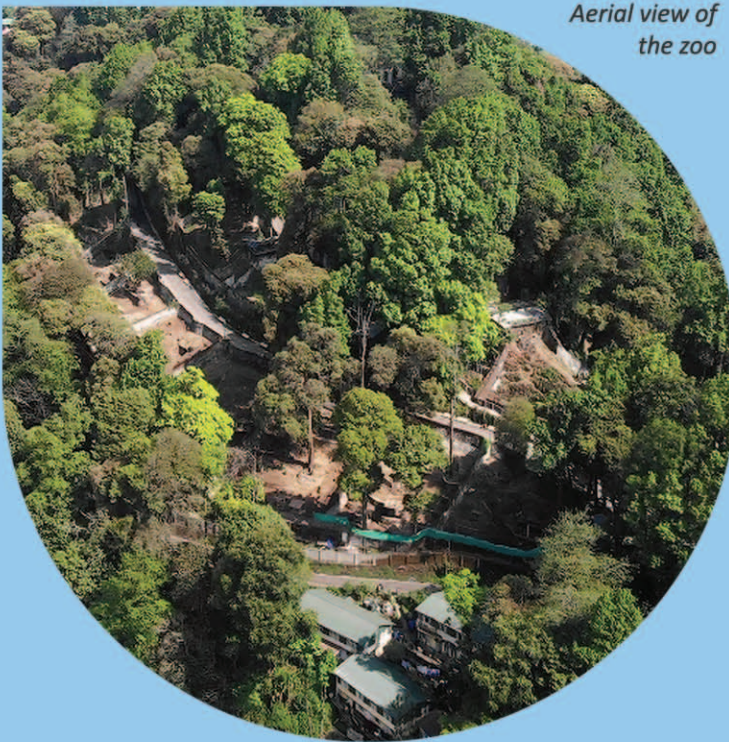
In the coming year this good work will be continued further to meet the objectives of the zoo for research, education and conservation.

02 HISTORY OF THE PARK

The zoo was established on 14 August 1958, in the Birch Hill ridge below Raj Bhawan of Darjeeling under the Department of Education of the Government of West Bengal with a goal to study and preserve Himalayan fauna. Its first Director and founder was Mr. Dilip Kumar Dey, belonged to the Indian Forest Service, Govt. of India. He was on deputation in the Department of Education for the express purpose of establishing a high-altitude zoological park specializing mainly in Himalayan flora and fauna. The park's prized possessions were a pair of Siberian (Ussuri) tigers presented to the Government of India by the then Soviet Prime Minister, Nikita Khrushchev, in 1960. In 1975, Late

Smt. Indira Gandhi, the then Prime Minister of India, visited the Himalayan Zoological Park, Darjeeling and dedicated the Himalayan Zoological Park in memory of Late Smt. Padmaja Naidu, Ex-Governor of West Bengal and the Park was renamed Padmaja Naidu Himalayan Zoological Park. The land on which the Zoological Park is standing was acquired by the British Government in the late 19th Century and developed as a Public Park known as Birch Hill Park. After Independence the Government of India and the Government of West Bengal decided to develop the Birch Hill Park as Zoological Park for Conservation of Eastern Himalayan ecosystem.

Aerial view of the zoo



Front row standing left to right, Mr. Manish Gupta, IAS DC Djj (1974-77) He Governor, Late Al Dias, Director Djj Zoo, Mr. Dilip Dey, Smt. Susie Dey & Governor's daughter



Visit of Smt. Indira Gandhi

CONSERVATION BREEDING CENTRE of PNHZ PARK for RED PANDA & SNOW LEOPARD at TOPKEYDARA

One of the main objectives of PNHZ Park is Conservation Breeding of two important species viz, Red Panda and Snow Leopard. Towards achieving this goal, a conservation breeding centre (C.B.C) was established in five hectares of land in Topkeydara under Senchal Wildlife Sanctuary at 3rd mile, Darjeeling by enhancing the ex-situ facilities for the two species viz, Red Panda & Snow Leopard. It was inaugurated on 08.10.2013 by the Honourable Minister in Charge (Forest) Shri. Hiten Barman along with North Bengal Development Minister Shri. Gautam Deb.

This facility houses 6 Red Panda enclosures

and 5 Snow Leopard enclosures (2 open enclosures and 3 chain linked enclosures). It has a well-equipped veterinary hospital for monitoring of the health and treatment of the animals housed. A new 2unit Red Panda enclosure was constructed to house the increasing number of individuals. A new staff barrack was constructed for the animal keepers.

The breeding centre at Topkeydara is currently staffed with 10 staff (7 zoo keepers and 3 night-guards) who are overseen by the Estate Officer, PNHZP. The breeding facility is not open for display to visitors.



CONSERVATION BREEDING CENTRE for PHEASANT & HERBIVORE at DOWHILL

PNHZ Park is a leading zoo in India for Conservation Breeding of high-altitude herbivores & pheasants. A Conservation Breeding Centre (C.B.C) was established at Dowhill for taking care of high-altitude herbivores (Viz, Himalayan Tahr, Himalyan Goral, Blue Sheep etc), high altitude indigenous pheasants (viz. Red Jungle Fowl, Temminck's Tragopan, Kalij Pheasant, Cheer Pheasant and Himalayan Monal), exotic pheasants (viz, Golden Pheasant, Lady Amherst's, Silver Pheasant, Reeves Pheasant) also successfully bred at this centre. This facility is located in an area of 5.93 hectare of forest land under Kurseong Forest Division and was established on 07.12.2011. The conservation breeding centre has one 7-unit pheasantry (27 enclosures), one 3-unit, one 2-unit

pheasantry (10 enclosures), one aviary with 4 enclosures, one 8 unit aviary and 15 herbivore enclosures. A veterinary hospital with a full-time compounder is also a part of this facility and the veterinary doctor of PNHZ Park frequently visits for regular check-up of the animals.

In the past years, the park lost a good number of fertile eggs which were not incubated or hatched by the pheasants. Considering this loss, the institute procured 4 fully automatic incubators which resulted in good number of hatched chicks which added to the population of the pheasants at CBC Dowhill. With the growing number of chicks, the existing rearing house proved insufficient for housing them therefore extension of chick rearing facility was taken up at Dowhill.



03

VISION

To establish the zoo as a leading zoological park dedicated to conservation breeding and conservation research. Ensuring the conservation of all endangered species and their eco systems through holistic approach towards captive management, education and research.

04

MISSION

Assisting the National efforts for conservation of the endangered Eastern Himalayan Ecosystem by ex-situ conservation breeding, augmenting wild population and strengthening biodiversity conservation by education and research.

05

OBJECTIVES

The Zoological Park is striving for the maintenance of ecological balance in the Eastern Himalayas with the following objectives:

- a. Ex-situ Conservation & Captive breeding of endangered Himalayan animal species.
- b. Educating, motivating and initiating awareness campaign among the local people as well as the visitors on the importance of conservation of Himalayan eco-system.
- c. Initiating applied research on animal biology, behaviour and health care.



MARKHOR
Capra falconeri

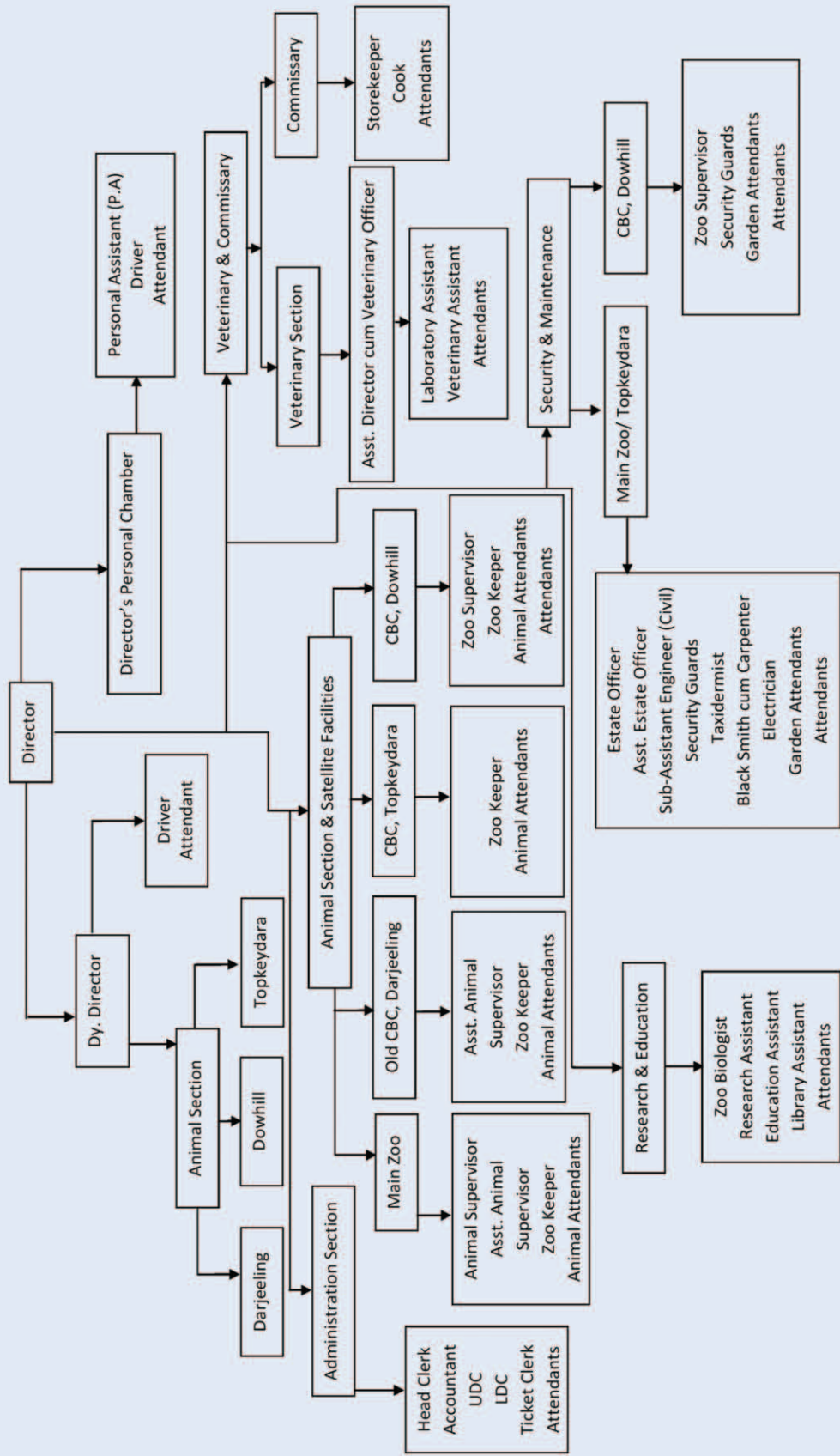


06 ABOUT US

Sl. No.	Particulars	Information
Basic Information about the Zoo		
1	Name of the Zoo	Padmaja Naidu Himalayan Zoological Park
2	Year of Establishment	14 th August, 1958
3	Address of the Zoo	Padmaja Naidu Himalayan Zoological Park, Jawhar Parbat (West), Darjeeling, 734101
4	State	West Bengal.
5	Telephone Number	0354-2253709/2254250
6	Fax Number	0354-2252522
7	E-mail address	pnhzp@yahoo.com
8	Website	www.darjeelingzoo.in
9	Distance from nearest	Airport: Bagdogra International Airport: 70.5 kms
		Railway Station: New Jalpaiguri Railway Station: 73.5 Kms
		Bus Stand: Tenzing Norgay Bus Stand, Siliguri: 65.5 kms
		Darjeeling bus stand: 2 kms
11	Category of zoo	Medium
12	Area (in Hectares)	<p>Main Zoo including old breeding Centre: 27.341 hectares The area as shown in the Master Layout Plan is the area within the RCC boundary wall. Apart from the area as shown in the Master Layout Plan, zoo has certain area which has staff quarters and other infrastructure which have not been calculated in the area in the Master Layout Plan.</p> <p>Conservation Breeding Centre for Herbivores and Pheasants, Dow Hill, Kurseong- 4.65 hectares and 1.28 hectares for Deputy Director residence and staff quarters.</p> <p>Conservation Breeding Centre for Red Panda and Snow leopard, Topkey Dara, 3rd Mile- 5 hectares.</p>

13	Number of Visitors (Financial Year)	Total Indian: 740360	
		Total Foreigners: 6122	
		Total Visitors: 746482	
14	Visitors' Facilities Available in Zoo	1.Rain Shelter 2.Resting benches 3.Kiosks 4.Drinking water 5.Toilets (Gents & Ladies) 6.Child Care Room 7.Zoo Canteen	8.Photographers on payment 9.Wheelchairs 10.Drop off point 11.Zoo guides on payment 12.Information brochures 13.Selfie point 14.Zoo Map
15	Weekly Closure Day of the Zoo	Thursday	
Management Personnel of the zoo			
16	Name with designation of the Officer in-charge	Dr. Basavaraj S. Holeyachi, IFS	
	Name of the Veterinary Officer	Dr. Joy Dey	
	Name of the Curator/ Assistant Curator	Mr. Shiromani Syangdan	
	Name of the Biologist	Miss Pranita Gupta	
	Name of the Education Officer/ Education Assistant	Miss Ruma Mandal	
	Name of the Compounder/ Lab Assistant	Compounder: Mr. Pradip Singh/Lab Assistant: Mr. Vikash Chettri	
Owner / Operator Of The Zoo			
17	Name of the Operator	i. Principal Secretary, Department of Forest, Govt.of West Bengal. ii. Member Secretary, West Bengal Zoo Authority.	
18	Address of the Operator	Aranya Bhavan, Block-LA, 10-A, Sector-III, Salt Lake, Kolkata-700106	
19	Contact details/Phone number of Operator	Department of Forest, Govt. of West Bengal: 033 - 2335 7751; West Bengal Zoo Authority:033-23355010	
20	E-mail address of Operator	Department of Forest, Govt.of West Bengal: micforest@wb.gov.in ; West Bengal Zoo Authority: mwbza@gmail.com	

ORGANISATIONAL CHART



Manpower of the Zoo

Sl.No.	Designation	No. of Sanctioned Posts	Names of the Incumbent
1	Director	01	Dr. Basavaraj S. Holeyachi
2	Deputy Director	01	Mr. Gyachola Yolmo (From 01.03.24 onwards)
3	Assistant Director cum Veterinary Officer	01	Dr. Joy Dey
4	Zoo Biologist	01	Miss Pranita Gupta
5	Sub Assistant Engineer (Civil)	01	Mr. Saurav Sharma
6	Zoo Supervisor PNHZP Darjeeling Dow Hill	02	Mr. Lalit Pradhan (Zoo Supervisor, Dowhill)
7	Museum Supervisor	01	-
8	Estate/ Security Supervisor	01	Mr. Shiromani Syangdan
9	Research Assistant	01	Miss Rohini Chettri
10	Education Assistant	01	Miss Ruma Mandal
11	Library Assistant	01	Mr. Bedan Chettri
12	Taxidermist	01	Mr. Sairus Bhaktaraj
13	Laboratory Assistant	01	Mr. Vikash Chettri
14	Veterinary Assistant	02	Mr. Pradip Kumar Singh
15	Asst. Animal Supervisor 1. PNHZ-1 2. Old CBC-1	02	Mr Mahesh Gurung -
16	Asst. Estate/ Security Supervisor	02	Mr. Siddharth Chettri
17	Gate Keeper	02	Mr. Sahadeo Pradhan/ Mr. Bikash Pahari
18	Driver	02	Mr. Elvin Lepcha/ Mr. Pritam Rumba
19	Zookeepers 1. PNHZ Darjeeling -9 2. Old CBC-1 3. CBC Topkeydara-1 4. Dow hill- 2	13	Mr. Nipan Tamang, Mr. Ruden Lepcha, Mr. Amar Chettri, Mr. Binod Kumar Subba, Mr. Bidhan Tamang, Mr. Nima Tamang, Mr. Sanil Rai, Mr. Pranay Thapa, Mr. Pawan Subba, Mr Anil Das, Mr. Umesh Rai, Mr. Aditya Tamang, Mr. Ranjit Thapa.
20	Cook	02	Mr. Rakesh Sundas Mr. Prasanta Mukhia
21	Head Clerk	01	Mrs Karuna Niroula
22	Accountant	01	Mrs Sangita Lama

23	PA to Director	01	Mrs Mamta Subba
24	Storekeeper	01	Mr. Ashim Gurung
25	UDC	01	Mrs Ranju Gurung
26	LDC	04	Mr. Gopal Pradhan Mr. Mir Tshering Tamang
27	OA/TA	02	Mrs. Preetika Lakhandri (TA)
28	Ticket Clerk	02	Mr. Amit Pradhan Mr. Roshan Bhujel
Total Permanent		35	

29	Support Staff (on Contract):		
	a). Security		
	1. PNHZP -21	29	PNHZP -23
	2. Old CBC-02		Topkey-3
	3. Topkeydara-03		Dowhill- 3
	4. Dow hill- 03		
	b). Sanitation	12	PNHZP-02 (P) + 10 (C)
	c). Garden attendant	15	13 PNHZP (C)+ 2 Dowhill(C)
	d). Attendants	09	PNHZP-7 (C) + 02 Dowhill (C)
	e) Animal Attendants		
	1. PNHZP -10	16	PNHZP-10
	2. Old CBC-01		Old CBC-01
	3. Topkeydara-02		Topkey-02
	4. Dow hill- 03		Dowhill-03
Total Contractual		80	
TOTAL (Sanctioned post + contractual)		173	



09 CAPACITY BUILDING OF ZOO PERSONNEL



Capacity building workshop for Zoo Biologist



Capacity building of zoo keepers

SL. NO.	NAME AND DESIGNATION OF THE ZOO PERSONNEL	SUBJECT MATTER OF TRAINING	PERIOD OF TRAINING	NAME OF THE INSTITUTION WHERE THE TRAINING ATTENDED
01.	Miss Pranita Gupta, Zoo Biologist	Capacity building workshop for Zoo Biologist	5 th August to 7 th August, 2023	Sanjay Gandhi Biological Park, Patna, Bihar
02.	Mr. Anil Tamang, Zoo Keeper	Best Zoo keepers Award	24 th September, 2023	Zoological Garden Alipore, Kolkata
03.	Mr. Ruden Tamang, Zoo Keeper	Capacity Building Programme for Zoo Keeper of the Eastern region	5 th to 7 th March, 2024	Nandankanan Zoological Park, Bhubaneswar, Odisha

10 ZOO ADVISORY COMMITTEE

a. Date of constitution: 24.03.2012

Members of the Zoo Advisory Committee:

SL. NO.	NAME	DESIGNATION
1	Principal Chief Conservator of Forest (Wildlife) & Chief Wildlife Warden, West Bengal	Chairman
2	Member Secretary, WBZA	Convener
3	Director, Animal Husbandry & Veterinary Services	Member
4	Director, PNHZ Park, Darjeeling	Member
5	Director, Zoological Park, Alipore	Member
6	CE/EE of WBZA	Member

b. Dates on which Meetings held during the year: No meeting was conducted.





HEALTH ADVISORY COMMITTEE

Dates on which Meetings held during the year :

No meeting was conducted.

SL. NO	MEMBERS NAME	DESIGNATION
1	Dr. Basudeb Maity, Joint Director, ARD IAH & VB (R & T), Belachia, Kolkata.	Chairman
2	Dr. Joyjit Mitra, Specialist (Sero-Epidemiology) RDDDL(ER)IAH & VB, Belachia, Kolkata.	Member
3	Dr. Debasish Chatterjee, Asst. Director, ARD (Vety) Disease Investigation), IAH7VB, Belachia, Kolkata.	Member
4	Dr. Pralay Mandal, Asst. Director, ARD (Vety) Belachia, Kolkata.	Member

12 STATEMENT of INCOME and EXPENDITURE of the ZOO

REVENUE	SL NO.	SOURCE OF FUND (2023-2024)	RECEIPT IN RUPEES
	1.	Gate collection	Rs. 52,69,0680/-
	2.	Collection from souvenir sales	Rs. 8,93,396/-
	3.	Rental income from guest house	Rs. 27,200/-
	4.	Rental income from Kiosks	Rs. 3,85,200/-
	5.	Animal adoption	Rs. 6,36,500/-
	7.	Tender from sales	NIL
TOTAL			Rs. 5,42,47,776/-

GRANTS & EXPENDITURE	SL NO.	SOURCE OF FUND (2023-2024)	RECEIPT	EXPENDITURE
	1.	Dept. of Forest Govt. of West Bengal (Non Plan)	Rs. 42,36,78,000/-	Rs. 42,36,78,000/-
	2.	CZA fund	Rs. 4,90,000/-	Rs. 4,90,000/-
	3.	Veterinary fund	NIL	NIL
	4.	Non Plan	Rs. 9,86,97,116/-	Rs. 9,86,97,116/-
	5.	Corpus Research	Rs. 65,93,475/-	Rs. 6,19,736/-
	6.	Corpus development work	Rs. 73, 27,734/-	Rs. 73, 27,734/-
	7.	Development work Non Plan	Rs. 4,31,58,198/-	Rs. 4,31,58,198/-
TOTAL			Rs. 57,99,44,523/-	Rs. 57,39,70,784/-

HIMALAYAN MONAL PHEASANT

Lophophorus impejanus

Female

Male



13 DAILY FEED SCHEDULE of ANIMALS

SL. NO	SPECIES	FEED ITEM	QUANTITY	DAY OF FASTING
MAMMALS				
1	Red Panda (<i>Ailurus fulgens fulgens</i>)	Egg Banana Apple Honey Milk Bamboo leaves other seasonal fruits like watermelon, orange, grapes, cucumber wild fruits, green leaves	1 pc 300 gms 200 gms 30 ml 400 ml 5 kgs 200 gms Upon availability	No fasting day
2	Snow Leopard (<i>Panthera uncia</i>)	Beef Dressed chicken Mutton Egg	2.5 kgs 2.5 kgs 2.5 kgs 1 nos	Thursdays
3	Himalayan Wolf (<i>Canis lupus himalayensis</i>)	Beef Dressed chicken	2 kgs 2 kgs	Thursdays
4	Himalayan Tahr (<i>Hemitragus jemlachus</i>)	Crushed Maize Gram Crushed wheat Barley Salt Wheat Bran Pulses (Mung/Masoor soaked) Molasses Turmeric Green fodder	250 gms 70 gms 60 gms 120 gms 5 gms 140 gms 40 gms 50 gms 5 gms 8 kgs	No fasting day
5.	Himalayan Goral (<i>Naemorhaedus goral</i>)	Crushed Maize Gram Crushed wheat Barley Salt Wheat Bran Pulses (Mung/Masoor soaked) Molasses Turmeric Green fodder	130 gms 33 gms 25 gms 50 gms 3 gms 65 gms 20 gms 50 gms 5 gms 8 kgs	No fasting day

SL. NO	SPECIES	FEED ITEM	QUANTITY	DAY OF FASTING
6.	Markhor (<i>Capra falconeri</i>)	Crushed Maize Gram Crushed wheat' Barley Salt Wheat Bran Pulses (Moong/ masoor soaked) Molasses Turmeric Green fodder	250 gms 70 gms 60 gms 120 gms 5 gms 140 gms 40 gms 50 gms 5 gms 8 kgs	No fasting day
7.	Barking Deer (<i>Muntiacus muntjak</i>)	Crushed Maize Gram Crushed wheat Barley Salt Wheat Bran Pulses (Mung, Musur soaked) Molasses Turmeric Green fodder	130 gms 35 gms 25 gms 50 gms 3 gms 65 gms 20 gms 50 gms 5 gms 8 kgs	No fasting day
8.	Blue Sheep (<i>Pseudois nayaur</i>)	Crushed Maize Gram Crushed wheat Barley Salt Wheat Bran Pulses (Mung, Masoor soaked) Molasses Turmeric Green fodder	250 gms 70 gms 60 gms 120 gms 5 gms 140 gms 40 gms 50 gms 5 gms 8 kgs	No fasting day
9.	Sambar Deer (<i>Rusa unicolor</i>)	Crushed Maize Gram Crushed wheat Barley Salt Wheat Bran Pulses (Mung, Masoor soaked) Molasses Turmeric Green fodder	390 gms 104 gms 65 gms 234 gms 5 gms 208 gms 60 gms 5 gms 40 kgs	No fasting day
10.	Mishmi Takin (<i>Budorcas taxicolor taxicolor</i>)	Crushed Maize Gram Crushed wheat' Barley Salt Wheat Bran Pulses (Moong/ masoor soaked) Turmeric Green fodder	390 gms 104 gms 65 gms 234 gms 5 gms 208 gms 60 gms 5 gms 40 kgs	No fasting day

SL. NO	SPECIES	FEED ITEM	QUANTITY	DAY OF FASTING
11.	Yak (<i>Bos grunniens</i>)	Crushed Maize Gram Crushed wheat' Barley Salt Wheat Bran Pulses (Moong/ masoor soaked) Turmeric Green fodder	400 gms 100 gms 50 gms 200 gms 10 gms 200 gms 80 gms 10 gms 40 kgs	No fasting day
11.	Royal Bengal Tiger (Samrat) (<i>Panthera tigris</i>)	Beef Dressed chicken	5 kgs 5 kgs	Thursdays & Monday
	Royal Bengal Tiger (Shershah) (<i>Panthera tigris</i>)	Beef Dressed chicken	10 kgs 10 kgs	Thursdays
12.	Siberian Tiger (<i>Panthera tigris altaica</i>)	Beef Dressed chicken	10 kgs 10 kgs	Thursdays
13.	Common Leopard (<i>Panthera pardus</i>)	Beef Chicken	2.5 kgs 2.5 kgs	Thursdays
14.	Asiatic Black Bear (<i>Ursus thibetanus</i>)	Wheat chappati Cooked rice Soup (beef/ mutton/ chicken) Sattu balls Soaked, boiled and crushed chana Vegetables like cabbage, potato, tomato, cucumber, Radish, carrot, turnip, peas, pumpkin, squash, tubers (locally available), maize, celery, all forms of leafy vegetables. Fruits like guava, apple (in less quantity), sugarcane, grapes, whole watermelon, lemon (locally available) Honey Curd Milk Molasses Boiled eggs	500 gms 150gms 1 lts 500gms 200gms 1 kg 500 gms 50 ml 500 ml 500ml 250 gms 2pcs	No Fasting day
15.	Leopard Cat (<i>Prionailurus bengalensis</i>)	Dressed chicken	250 gms	No fasting day
16.	Himalayan Palm Civet (<i>Paguma larvata</i>)	Banana Apple Mutton heart	200 gms 200 gms 150 gms	No fasting day
17.	Asian Palm Civet (<i>Prionailurus hermaphrodites</i>)	Banana Apple Mutton heart	200 gms 200 gms 150 gms	No fasting day

SL. NO	SPECIES	FEED ITEM	QUANTITY	DAY OF FASTING
18.	Common Grey langur (<i>Semnopithecus entellus</i>)	Groundnuts Potato/tubers Green leafy vegetables, bamboo Boiled egg Apple Banana Seasonal fruits (Mango, guava etc) Blood worms (if available)	400gms 140 gms 300 gms 1pc 200 gms 200 gms 200gms 10 each	No fasting
19.	Slow loris (<i>Nycticebus bengalensis</i>)	Egg Banana with other seasonal fruits Leaves with blood/mealworms	1pc 150 gms 10gms	No fasting day
20.	Jungle cat (<i>Felis chaus</i>)	Dressed chicken	500 gms	No fasting day
21.	Binturong (<i>Arctictis binturong</i>)	Apple Banana Pomegranate Guava Papaya Grapes Watermelon Eggs	120 gms 100 gms 250 gms 40 gms 100 gms 100 gms 100 gms 1 gms	No fasting day
INDIGENOUS BIRD				
Rose ring parakeet (<i>Psittacula krameria</i>)				
Feed item			Quantity	Day of fasting
Cushed maize			10 gms	No fasting
Onion			5 gms	
Garlic			5 gms	
Green & leafy vegetables (lettuce, cabbage, leaves of radish, carrots, citrus fruits, turnip, spinach, mustard green, water cress, radish, carrot leaves and pumpkin etc).			30 gms	
Mutton heart			20 gms	
Wheat & paddy husk			30 gms	
Boiled egg with shell			1 / 2 pc	
Sattu Balls			10 gms	
Meal worms if possible			15 each	
PHEASANTS				
Cheer Pheasant (<i>Catreus wallichii</i>), Grey Peacock Pheasant (<i>Polyplectron bicalcaratum</i>), Kaleej Pheasant (<i>Lophura leucomelana</i>), Himalayan Monal(<i>Lophophorus impejanus</i>), Temminck's Tragopan(<i>Tragopan temminckii</i>), Red Jungle Fowl (<i>Gallus gallus</i>), Golden Pheasant (<i>Chrysolophus pictus</i>), Reeves Pheasant (<i>Syrmaticus reevesii</i>), Silver Pheasant (<i>Lophura nycthemea</i>) and Lady Amhrest (<i>Chrysolophus amherstia</i>).				

Feed item	Quantity	Day of fasting
Crushed maize	10 gms	No fasting
Onion	5 gms	
Garlic	5 gms	
Green & leafy vegetables (lettuce, cabbage, leaves of radish, carrots, citrus fruits, turnip, spinach, mustard green, water cress, radish, carrot leaves and pumpkin etc).	30 gms	
Mutton heart	20 gms	
Wheat & paddy husk	30 gms	
Boiled egg with shell	1 / 2 pc	
Sattu Balls	10 gms	
Meal worms if possible	15 each	
EXOTIC BIRDS		
African Grey parrot (<i>Paittacus erithacus</i>), Cocktaiels (<i>Nymphicus hollandicus</i>)		
Groundnuts, soaked gram/pulses	10 gms	No fasting
Tomato (Solid)	25 gms	
Green Chilly (Solid)	5 gms	
Crushed Maize	10 gms	
Green & leafy vegetables (seasonally available)	10 gms	
Apple	30 gms	
Banana	25 gms	
Kangni seeds	10 gms	
Sunflower seeds	60 gms	
Meal worms if possible	15 each	
Scarlet Macaw (<i>Ara macao</i>), Blue and Yellow Macaw (<i>Ara ararauna</i>)		
Groundnuts, soaked gram/pulses	25 gms	No fasting
Tomato (Solid)	25 gms	
Green Chilly (Solid)	5 gms	
Crushed Maize	10 gms	
Green & leafy vegetables (seasonally available)	30 gms	
Apple	50 gms	
Banana	50 gms	
Sunflower seeds	60 gms	
Meal worms if possible	15 each	
Bare Eyed Cockatoo (<i>Cacotua sanguinea</i>), Sulphur Crested Cockatoo (<i>Cacotua sulphurea</i>) and Roseate Cockatoo (<i>Cacotua sulphurea</i>)		
Groundnuts, soaked gram/pulses	25 gms	No fasting
Tomato (Solid)	25 gms	
Green Chilly (Solid)	5 gms	
Green & leafy vegetables (seasonally available)	10 gms	
Sunflower seeds	60 gms	

14 VACCINATION SCHEDULE of ANIMALS

SL. NO.	NAME OF THE VACCINE	SPECIES	DISEASES VACCINATED AGAINST	REMARKS
1	Biofel PCHR	Snow Leopard, Common Leopard, Royal Bengal Tiger, Leopard Cat, Jungle Cat, Himalayan Palm Civet, Asian Palm Civet, Siberian Tiger, Binturong	Panleukopenia, Calcivirus, Herpesvirus, rabies Injection	Booster is given after 1 month
2	Ferret Distemper Purevax	Common Leopard, Royal Bengal Tiger, Leopard Cat, Jungle Cat, Siberian Tiger, Binturong	Canine Distemper	Booster given on 21 st , 42 nd day and half yearly thereafter
3	RAKSHARAB	Jackal & Himalayan Wolf	Rabies	Booster is given after 1 month
4	MEGAVAC – 7	Jackal & Himalayan Wolf	Canine Distemper Virus, Canine Parvo Virus, Canine Adenovirus Type 1, Canine Adenovirus Type 2, <i>Canine paraifluenza</i> , <i>Leptospira canicola</i> , <i>Leptospira icterohaemorrhagiae</i>	Booster is given after 1 month



15 DEWORMING SCHEDULE of ANIMAL

SL NO	SPECIES	DRUG USED	MONTH
1	Pheasants and Birds	Piperazine Citrate Albendazole	APRIL- SEPTEMBER OCTOBER- MARCH
2	Lesser carnivore	Praziquantel + Pyrantel Pamoate + Fenbendazole Fenbendazole Albendazole	APRIL- JUNE & JANUARY – MARCH JULY-SEPTEMBER OCTOBER- DECEMBER
3	Omnivore	Praziquantel+Pyrantel Pamoate+Fenbendazole Albendazole Fenbendazole	APRIL- JUNE JULY-SEPTEMBER & OCTOBER- DECEMBER JANUARY – MARCH
4	Herbivore	Fenbendazole Albendazole	APRIL- JUNE & OCTOBER- DECEMBER JULY-SEPTEMBER & JANUARY – MARCH
5	Carnivores	Praziquantel+Pyrantel Pamoate+Fenbendazole Albendazole Fenbendazole	APRIL- JUNE JULY-SEPTEMBER & JANUARY – MARCH OCTOBER- DECEMBER



16 DISINFECTION SCHEDULE

SL NO	SPECIES	TYPE OF ENCLOSURE	DISINFECTANT USED AND METHOD	FREQUENCY OF DISINFECTION
1	ALL SPECIES	OPEN	1. Virkon S: 10% Solution Sprayed	Every two weeks
			2. Quick Lime: Sprinkled	Every two weeks (Herbivores only)
			3. Blow Flame: Flaming	Every Two weeks (Herbivores only)
2	ALL SPECIES	NIGHT SHELTERS	1. Virkon S: 10% Solution Sprayed	Every two weeks
			2. Quick Lime: Sprinkled	Monthly (Herbivores only)
			3. Blow Flame: Flaming	Every Two Weeks
			4. Gluteraldehyde Concentrate.: 10% wash	Every day
			5. Potassium Permanganate: Foot bath	Every day
3	HERBIVORES	KEEPERS' PATHWAY	1. Sodium carbonate: 5% sprinkled	Monthly (Herbivores only)
4		ZOO ENTRANCES	1. Sodium Hypochlorite: 5% Sprayed	Every day for every entry of vehicles
			2. Potassium Permanganate: Foot bath	Every day for visitors and staffs



HEALTH CHECK-UP of EMPLOYEES for ZOONOTIC DISEASES

A health check-up camp was organized for the staffs of the zoo on 28.03.2024

SL NO.	NAME	DESIGNATION	DATE	FINDINGS OF HEALTH CHECK UP
1.	Dr. Raj S. Sharma	Veterinary Officer	28.03.2024	Negative for any Zoonotic Disease
2.	Asim Gurung	Store Keeper	28.03.2024	
3.	Mahesh Gurung	Assistant Animal Supervisor	28.03.2024	
4.	Pravakar Dewan	Animal Attendant	28.03.2024	
5.	Buddha Tamang	Animal Attendant	28.03.2024	
6.	Nima Tamang	Zoo Keeper	28.03.2024	
7.	Mani Tamang	Garden Attendant	28.03.2024	
8.	Uttam Gurung	Sanitary Attendant	28.03.2024	
9.	Dipen Gurung	Zoo Keeper	28.03.2024	
10.	Sanjit Tamang	Garden Attendant	28.03.2024	
11.	Sanjok Pradhan	Office Attendant	28.03.2024	
12.	Binod Roka	Animal Attendant	28.03.2024	
13.	Binod Subba	Zoo Keeper	28.03.2024	
14.	Aswin Gurung	Animal Attendant	28.03.2024	
15.	Aditya Tamang	Zoo Keeper	28.03.2024	
16.	Rinchen Lama	Animal Attendant	28.03.2024	
17.	Amar Chettri	Zoo Keeper	28.03.2024	
18.	Pema D Bhutia	Animal Attendant	28.03.2024	
19.	Jugal Dewan	Animal Attendant	28.03.2024	
20.	Dorjey Sherpa	Garden Attendant	28.03.2024	
21.	Chanda Balmiki	Swiper	28.03.2024	
22.	Urmila Balmiki	Swiper	28.03.2024	
23.	Umesh Rai	Zoo Keeper	28.03.2024	
24.	Deepak Chuwan	Garden Attendant	28.03.2024	
25.	Urmila Gurung	Sanitary Attendant	28.03.2024	
26.	Sarada Diyali	Sanitary Attendant	28.03.2024	
27.	Gulshan Gurung	Animal Attendant	28.03.2024	
28.	Amir Rai	Animal Attendant	28.03.2024	
29.	Bharat Rasaily	Mali	28.03.2024	

SL NO.	NAME	DESIGNATION	DATE	FINDINGS OF HEALTH CHECK UP
30	Tashi Sherpa	Garden Attendant	28.03.2024	Negative for any Zoonotic Disease
31	Yogen Dewan	Security	28.03.2024	
32	Manish Rai	Security	28.03.2024	
33	Nabin Tamang	Garden Attendant	28.03.2024	
34	Nipan Tamang	Zoo keeper	28.03.2024	
35	Asik Rai	Animal Attendant	28.03.2024	
36	Prashant Mukhia	Garden Attendant	28.03.2024	
37	Rakesh Sonar	Cook	28.03.2024	
38	Ruden Lepcha	Zoo Keeper	28.03.2024	



18 DEVELOPMENT WORKS CARRIED OUT by the PARK

SL. NO.	NAME OF WORK	DATE OF COMPLETION
1	Repair, upgradation & painting work of Gent's & Ladies' common toilet at PNHZ Park, Darjeeling.	
2	Supply & installation of Genetic Laboratory Equipment for setting up Genetic Laboratory at PNHZ Park, Darjeeling.	
3	Upgradation of conference hall of PNHZ Park, Darjeeling.	03.01.2023
4	Renovation & re-design of Snow Leopard enclosure at beat 3, PNHZ Park, Darjeeling.	26.07.2023
5	Repair & maintenance of Street Lights at Satellite Zoo, Dowhill under PNHZ Park, Darjeeling.	28.08.2023
6	Dismantling of CRM retaining wall with RCC boundary fence & reconstruction of RCC retaining wall along the road from below main gate up to below Goral enclosure at PNHZ Park, Darjeeling.	02.09.2023
7	Repairing & renewing chequered tiles & improvement of visitors & service pathway at PNHZ Park, Darjeeling.	20.09.2023
8	Repairing of Old CBC Road from Old CBC main gate (Near slaughter house) to Old CBC at PNHZ Park, Darjeeling.	22.09.2023
9	Repair, renovation & upgradation of electric control panel & installation of 50KVA DG set at Topkeydara CBC, 3 rd mile under PNHZ Park, Darjeeling.	29.09.2023
10	Renovation of Bitumen Road by way of laying cold mix bitumen within the PNHZ Park, Darjeeling.	09.10.2023
11	Thorough painting of all Anow Leopard, Red Panda enclosures & boundary fence at CBC Topkeydara under PNHZ Park, Darjeeling.	11.10.2023
12	Repair & upgradation of electrification work at PNHZ Park, Darjeeling.	12.10.2023
13	Repair & maintenance of Street Lights at Topkeydara CBC, 3 rd mile under PNHZ Park, Darjeeling.	14.10.2023
14	Decoration & beautification of main gate by Fibre Reinforced Polymer as per architectural design at PNHZ Park, Darjeeling.	23.10.2023
15	Repair & renovation of Store cum kitchen ground floor for establishment of Biobanking facility at PNHZ Park.	16.11.2023
16	Thorough repair & renovation of Rest House at PNHZ Park, Darjeeling.	23.11.2023

17	Repair & extension work of Boundary wall around Staff Quarter compound at PNHZ Park, Darjeeling.	04.12.2023
18	Repair & extension of cement service path with protection work around Red Panda enclosures at old CBC at PNHZ Park, Darjeeling.	08.01.2024
19	Renovation & supply, fitting & fixing of Model Selfie point made from fibre reinforced polymer at PNHZ Park, Darjeeling.	12.01.2024
20	Repair & extension of roof height of all lesser Carnivore enclosures, Beat-1, PNHZ Park, Darjeeling.	21.01.2024
21	Repairing of intermediate fence wall by way of replacement of damaged wall portion at Tiger enclosure, PNHZ Park, Darjeeling.	30.01.2024
22	Dismantling & reconstruction of damaged CRM retaining wall with RCC retaining wall & fence near main gate at PNHZ Park, Darjeeling.	March 2024
23	Construction of RCC framed quarter at Staff Quarter compound below main gate at PNHZ Park, Darjeeling.	20.03.2024
24	Renovation of Museum Hall for provision of auditorium at BNHM under PNHZ Park, Darjeeling.	29.03.2024
25	Repair & renovation of open space of BNHM 1 st floor front area for extension of BNHM for provision of Skeleton Museum at PNHZ Park, Darjeeling.	05.04.2024
26	Repair & renovation of Pheasantry with provision for making walk-in type with toughened glass partition better viewing of displayed birds at Beat-2, PNHZ Park, Darjeeling.	05.04.2024
27	Repair & renovation of Reptile house for provision of aquarium at Reptile House at PNHZ Park, Darjeeling.	05.04.2024
28	Repair & renovation of Zoo Canteen under PNHZ Park, Darjeeling.	13.04.2024

19 EDUCATION and AWARENESS PROGRAMMES

Education and awareness are integral part of zoo activities. The outreach programme of the park involves students of all levels. Many probationers/ trainees IAS, IFS, WBFS, ACF & Range officer trainees regularly visit the zoo as part of their exposure program. The programme includes a tour of the park followed by an interactive session where topics such as role and functions of the modern zoo, conservation breeding programmes, environmental issues and the work of the zoo in

working towards conserving rare and endangered species are discussed. Educational materials regarding information on the housed animals of the park, conservation breeding programmes of the zoo, its biodiversity etc, are distributed among students along with lunch provided by the zoo as well.

During the year 2023-2024 the education wing of the park attended to 2,729 students & 277 faculties from 42 institutes.

SL. NO	DATE	NAME OF THE SCHOOL/ TRAINING INSTITUTE/ COLLEGE	NUMBER OF STUDENTS/ TRAINEES	NUMBER OF FACULTY	EDUCATIONAL INCENTIVES
1.	14.04.2023	The Assembly of God Church School	66	5	Concession on zoo entry ticket fee
2.	17.04.2023	Karnataka Forest Academy	34	2	Zoo Pamphlets & educational materials
3.	21.04.2023	Shanti Memorial Academy	20	5	Concession on zoo entry ticket fee
4.	27.04.2023	Staffs of Alipore Zoo	6	1	Zoo Pamphlets & educational materials
5.	28.04.2023	Camellia School	50	5	Concession on zoo entry ticket fee
6.	13.05.2023	Indian Forest service Officer	50	2	Zoo Pamphlets & educational materials
7.	16.05.2023	Department of Zoology, Balurghat College	10	3	Concession on zoo entry ticket fee

SL. NO	DATE	NAME OF THE SCHOOL/ TRAINING INSTITUTE/ COLLEGE	NUMBER OF STUDENTS/ TRAINEES	NUMBER OF FACULTY	EDUCATIONAL INCENTIVES
8.	02.06.2023	Nepali Girl's High School	85	13	Concession on zoo entry ticket fee
9.	27.07.2023	WWF- India, Field Office	50	1	Concession on zoo entry ticket fee
10.	13.09.2023	New Light Academy, Darjeeling	95	25	Concession on zoo entry ticket fee
11.	14.09.2023	Odisha Forests Ranger's college, Angul	31	2	Zoo Pamphlets & educational materials
12.	16.09.2023	West Point School, Darjeeling	80	6	Concession on zoo entry ticket fee
13.	23.09.2023	Telangana State Forest Academy, Hyderabad	49	2	Zoo Pamphlets & educational materials
14.	24.09.2023	Laxmipur Milar Vidyamandir High School	36	26	Concession on zoo entry ticket fee
15.	29.09.2023	Brajaballavpur Brajamohan Tiary Sikshaniketan	110	10	Concession on zoo entry ticket fee
16.	30.09.2023	CASFOS, Dehradun	70	1	Zoo Pamphlets & educational materials
17.	06.10.2023	Baranagar Rajkumari Memorial Girl's High School	48	10	Concession on zoo entry ticket fee
18.	11.10.2023	Lake Town Govt. snopsored Girl's High School	55	8	Concession on zoo entry ticket fee
19.	28.10.2023	Himalayan run & trek institute	25	1	Zoo Pamphlets & educational materials
20.	18.10.2023	Greenhill English School	85	10	Concession on zoo entry ticket fee
21.	14.11.2023	Rabi Junior High School	22	8	Concession on zoo entry ticket fee

SL. NO	DATE	NAME OF THE SCHOOL/ TRAINING INSTITUTE/ COLLEGE	NUMBER OF STUDENTS/ TRAINEES	NUMBER OF FACULTY	EDUCATIONAL INCENTIVES
22.	14.11.2023	Loreto Convent School, Darjeeling	280	8	Concession on zoo entry ticket fee
23.	14.11.2023	Good Start Academy Montessori School, Darjeeling	40	8	Concession on zoo entry ticket fee
24.	24.11.2023	Department of Zoology, Ananda Chandra College, Jalpaiguri	27	4	Zoo Pamphlets & educational materials
25.	14.11.2023	Hayden Hall Institute	65	5	Concession on zoo entry ticket fee
26.	02.12.2023	Sai Grace Academy	19	6	Concession on zoo entry ticket fee
27.	08.12.2023	St. Teresa Girl's Higher Secondary School	374	18	Concession on zoo entry ticket fee
28.	08.12.2023	Saraswati Vidyadaan Academy	40	5	Concession on zoo entry ticket fee
29.	08.12.2023	Younker's Academy, Darjeeling	35	9	Concession on zoo entry ticket fee
30.	12.12.2023	Ashoke Trust for Research in Ecology & the Environment	33	5	Zoo Pamphlets & educational materials
31.	13.12.2023	Mrinalini Dutta Mahavidyapita	15	2	Concession on zoo entry ticket fee
32.	19.01.2024	Delhi Public School, Digboi, Assam	74	6	Concession on zoo entry ticket fee
33.	31.01.2024	Kashimpur High School	21	9	Concession on zoo entry ticket fee
34.	04.02.2024	Vivekanand Mission Vidyapeeth	36	6	Concession on zoo entry ticket fee
35.	07.02.2024	N.G.O Towards Future, Kolkata	15	3	Concession on zoo entry ticket fee

SL. NO	DATE	NAME OF THE SCHOOL/ TRAINING INSTITUTE/ COLLEGE	NUMBER OF STUDENTS/ TRAINEES	NUMBER OF FACULTY	EDUCATIONAL INCENTIVES
36.	10.02.2024	Nandi Foundation	40	8	Concession on zoo entry ticket fee
37.	12.02.2024	Karnataka Forest Academy, Dharwal, Karnataka	42	2	Zoo Pamphlets & educational materials
38.	17.02.2024	IAS, 2022 Batch of West Bengal	6	-	Zoo Pamphlets & educational materials
39.	23.02.2024	St. Teresa Girl's Higher Secondary School	332	18	Concession on zoo entry ticket fee
40.	04.03.2024	8 th RFO Batch, HPFA, Sundernagar	39	2	Zoo Pamphlets & educational materials
41.	20.03.2024	6-month training batch, Forest Training School, Chaibasa	79	2	Zoo Pamphlets & educational materials
42.	22.03.2024	Rungbee Jnanpith Higher Secondary School	40	5	Concession on zoo entry ticket fee



Educational Visit of Karnataka forest academy



Visit of Nandi Foundation



Visit of 2022 batch IAS officers of West Bengal cadre



Visit of Himachal Pradesh Forest Academy

i. Earth Day

Earth Day is celebrated to raise awareness on the importance of protecting the Earth's natural resources for future generations. This year the theme of Earth Day is "Invest in our Planet" which is the extension of previous year's theme.

Padmaja Naidu Himalayan Zoological Park celebrated Earth Day 2023 by organizing a Compost making and bottle gardening program using daily waste. Students from 5 different local schools in Darjeeling participated in the program.

SL. NO	NAME OF THE SCHOOL	NO OF PARTICIPANTS	STD
1.	Nepali Girl's Higher Secondary School	5	VIII & IX
2.	St. Robert's School	5	VIII & IX
3.	The Assembly of God Church School	5	VIII & IX
4.	St. Teresa School	5	VIII & IX
5.	Rama Krishna Mission Siksha Parisad	5	VIII & IX

The event began at 10:00 am with the registration of participants, followed by a small presentation outlining the need for sustainability and education on waste management. The students were given hands-on training in compost making using everyday organic household waste. They were also taught the process of bottle gardening using discarded bottles as a pot and several herb seeds (available at home) for plantation. The program ended with the Director, PNHZP addressing the participants, followed by a group photo session and distribution of refreshment.

This year the park's goal was to create awareness and increase the interest of young minds towards waste management and how they can contribute towards the environment sustainability & protection. The program saw the enthusiastic participation of students and teachers.



ii. World Environment Day

World Environment Day is celebrated every year on 5th June to demonstrate support for environmental protection via various measures. The theme of World Environment Day 2023 was “Solutions to plastic pollution under the campaign #BeatPlasticPollution”. The program was celebrated under the banner of LIFE (Lifestyle for environment) movement.

On this occasion PNHZ park organised an “Ecosystem in a bottle” making program which is a fun way of teaching young students about the ecosystem and how plants and animals interact with their surrounding environment. Students from 5 different local schools in Darjeeling participated in the program.

SL. NO	NAME OF THE SCHOOL	NO OF PARTICIPANTS	STD
1.	Nepali Girl’s Higher Secondary School	5	VIII & IX
2.	St. Robert’s School	5	VIII & IX
3.	The Assembly of God Church School	5	VIII & IX
4.	St. Teresa School	5	VIII & IX
5.	Rama Krishna Mission Siksha Parisad	5	VIII & IX

The schedule for World Environment Day 2023 as follows:

10:00am: Registration of students and faculty.

10:10am: Presentation on World Environment Day at the conference hall.

10:30am: Hands on training on Ecosystem in a bottle making. (grasses, twigs, stones, small saplings, flowers etc)

11:00am: Inspection of the DIY bottle and speech by the Director.

11:10am: Pledge taken by the students and teachers under the banner of LIFE movement.

11:20am: Educational tour of the zoo.

12:00pm: Refreshments and dispersal.



iii. Van Mahotsava

'Van Mahotsava' is an annual tree planting festival celebrated in the month of July. During this festival crores of trees are planted all over India. The beautiful tradition of Van Mahotsav was started in 1950 by Shri. K. M. Munshi, the union minister for Agriculture and Food with an objective to create mass awareness regarding planting of trees and conservation of forests. 'Van Mahotsav' is celebrated by planting trees or saplings in homes, offices, schools, colleges, etc.

This year in West Bengal the Van Mahotsav week celebrated from 14th July to 20th July. The Park celebrated the first day of Van Mahotsav by planting several indigenous plants and inaugurated the Orchid Wall with the plantation of 30 indigenous species of Orchids for educational purposes for the visitors.



iv. Foundation Day

The Park celebrated its 66th Foundation Day on 14.08.2023. All staff of the park gathered in front of Asiatic Black Bear Enclosure at 8:00 am for the flag hoisting followed by singing of the zoo anthem by the staff. The Assistant Director cum

Veterinary officer and Assistant Curator cum Estate officer addressed the staff of the Park. The celebration ended with distribution of sweets to the staff.



v. Independence Day

The Park celebrated India's 77th Independence Day on 15.08.2023. All staff of the park gathered in front of Asiatic Black Bear Enclosure at 8:30 am for the flag hoisting. The Assistant Director cum Veterinary officer and Assistant Curator cum Estate officer addressed the staff of the Park. The celebration ended with distribution of sweets to the staff.



vi. Celebration of International Red Panda Day

Red Pandas are endangered species native to the eastern Himalayas and southwestern China. They are legally protected in countries like India, Nepal, Bhutan, and China. In the last 20-odd years, the global population of red pandas has declined by roughly 50 percent. To raise awareness regarding the conservation of these elusive species, every third Saturday of September is celebrated as International Red Panda Day. This year, the day falls on September 16th.

Padmaja Naidu Himalayan Zoological Park, internationally renowned for the conservation of this elusive species celebrates International Red Panda Day every year to raise awareness among the students and the public. On this occasion this

year the park decided to conduct a "Red Panda Ranger Program" for the students of different local schools. Students from 6 different local schools in Darjeeling participated in the program.



SL. NO	NAME OF THE SCHOOL	NO OF PARTICIPANTS	STD
1.	Nepali Girl's Higher Secondary School	5	VIII & IX
2.	Gyanodaya Niketan	5	VIII & IX
3.	The Assembly of God Church School	5	VIII & IX
4.	St. Teresa School	5	VIII & IX
5.	West Point School	5	VIII & IX
6.	St. Michaels School	5	VIII & IX



The schedule for the Red Panda Ranger Program is below:

10:30am: Registration of students and faculty at conference hall of PNHZP.

10:40am: Presentation on Conservation Breeding of Red Panda at PNHZP and distribution of lapel pins and Pocket Diaries.

11:00am: Interaction with the Red Panda Zoo keeper and learning the management system of Red Pandas (enclosure management, feeding etc) in the zoo and the tour of the zoo.

12:30pm: Interaction with the Director and a short quiz on Red Pandas.

01:00pm: Refreshments and dispersal.

The program ended with an awareness program which was held for the B.Sc. Zoology students of Darjeeling Govt. College (DGC). A team from Research & Education section visited the Zoology Department of DGC and gave a presentation on the status, threats, conservation measures for Red Panda followed up by a small educational video.

vii. Children's Day Celebration



Educational Visit of Rabijunior High School



Educational visit of Mount Blessings Academy



Educational Visit of Sunrise School



Educational visit of Crayons preparatory School

Children's day in India is celebrated every year on 14th November to increase the awareness of people towards the rights, care and education of children. Padmaja Naidu Himalayan Zoological Park celebrates Children's day every year with various educational programs. This year the Park invited many schools and students to share knowledge

about high altitude animals and birds, threats faced by them, conservation measures and the role of PNHZ Park in wildlife conservation and education. This year on the occasion of Children's Day the park exempted entry fee for all the students visiting from different schools & colleges.

viii. Republic Day

The Park celebrated India's 75th Republic Day on 26.01.2024. All staff of the Park gathered in front of the Asiatic Black Bear Enclosure at 8:30 am for the flag hoisting. The Assistant Director cum Veterinary officer and Assistant Curator cum Estate officer addressed the staff of the Park. The celebration ended with distribution of sweets to the staff.



ix. World Wildlife Day Celebration

Every year 3rd of March is celebrated as World Wildlife Day to raise the awareness of issues that impact wildlife. The theme of United Nations World Wildlife Day 2024 was "Connecting People and Planet: Exploring Digital Innovation in Wildlife

Conservation". On this occasion the park decided to appreciate the researcher & scientific team members associated with the Red Panda Augmentation programme & the zoo keepers with souvenirs as a token of gratitude.



20 VISIT OF DIGNITARIES & THEIR VALUABLE COMMENTS

Sl. No	Date	Name	Address	Remarks
1.	25.05.2023	Mr. Partha Bhowmick, Irrigation Minister	West Bengal	-
2.	28.05.2023	Mr. Debal Ray, CWLW, West Bengal	Bikas Bhavan, Kolkata	Very nicely designed and maintained facility. The animals are in very good health & visibly cheerful. I praise the effort put by the Director & his field staff.
3.	30.05.2023	Committee of estimates, West Bengal Legislative Assembly	Kolkata	-
4.	30.06.2023	Smt. S. S. Sakshi, Lady Governor of West Bengal	West Bengal	Well kept & well maintained zoo. The guide was well versed & eloquent. The staff seems passionate about wildlife & conservation. A wonderful experience & an important reminder that we share the planet with such great creatures.
5.	07.11.2023	Mr. Saikat Molla, Member of the West Bengal Legislative Assembly	West Bengal	-
6.	23.11.2023	French Development Agency	New Delhi/Paris	One of the most noble causes with breeding centre, taking up Red Panda & Snow Leopard conservation very warm, knowledgeable staff willing to join the entire mile. Also noteworthy for the very high-quality scientific research, paving the way for researchers globally.
7.	20.12.2023	Smt. Birbaha Hansda, Honorable Minister of state, Dept. of Forest, Govt. of West Bengal	Aranya Bhawan, LA-10A block, sector-III, Salt Lake, Kolkata	Visited PNHZP today, the zoo has a wonderful atmosphere with variety of animals. The animals are kept well, the facilities, zoo enclosures are well maintained. Varieties of species samples are kept at BNHM. Overall it was a very good experience.

21 RESEARCH WORK CARRIED OUT

SL.NO.	NAME	INSTITUTE	TENURE	AREA OF WORK
1.	Director Padmaja Naidu Himalayan Zoological Park	Padmaja Naidu Himalayan Zoological Park, Darjeeling.	The project is ongoing	Red Panda Augmentation programme in Singalila National Park and Neora Valley National Park.
2.	Director Padmaja Naidu Himalayan Zoological Park	Padmaja Naidu Himalayan Zoological Park, Darjeeling.	The project was initiated in January 2022 and is ongoing.	Study on behaviour and reproductive biology of Markhor (<i>Capra falconeri</i>) at PNHZ Park.
3.	Director Padmaja Naidu Himalayan Zoological Park	Padmaja Naidu Himalayan Zoological Park, Darjeeling.	The project was initiated in January 2022 and is ongoing.	Characterizing the behaviour and reproductive biology of zoo housed Mishmi Takin (<i>Budorcas taxicolor taxicolor</i>) using non- invasive techniques.
4.	Director Padmaja Naidu Himalayan Zoological Park	Padmaja Naidu Himalayan Zoological Park, Darjeeling in collaboration with Centre For Cellular And Molecular Biology, Hyderabad	The project was initiated in January 2023 and is ongoing.	Determination of Diet of Red Panda (<i>Ailurus fulgens</i>) in the wild through scat analysis
5.	Director Padmaja Naidu Himalayan Zoological Park	Padmaja Naidu Himalayan Zoological Park, Darjeeling in collaboration with Wildlife Institute of India	The project was initiated in January 2023 and is ongoing.	Assessment of genetic variation and reproductive hormone profiles in selected endangered species of conservation interest at the Padmaja Naidu Himalayan Zoological Park, West Bengal
6.	Director Padmaja Naidu Himalayan Zoological Park	Padmaja Naidu Himalayan Zoological Park, Darjeeling in collaboration with Centre For Cellular And Molecular Biology, Hyderabad	The project was initiated in January 2023 and is ongoing.	Gut microbiome study of Red Panda (<i>Ailurus fulgens fulgens</i>)
7.	Director Padmaja Naidu Himalayan Zoological Park	Padmaja Naidu Himalayan Zoological Park, Darjeeling in collaboration with Zoological Survey of India	The project was initiated in January 2023 and is ongoing.	Study of Rhododendron Pests observed in Singalila National Park

22 SEASONAL ARRANGEMENTS for UPKEEP of ANIMALS

a. Winter (End of November – February)

- Bedding materials provided to the following animals: Leopard cat, Jungle Cat, Asian Palm Civet, Himalayan Palm Civet, Slow Loris, Asiatic Black Bear.

- Curtains in all the night shelters for warmth.
- Heaters and Blowers in the night shelters.
- Luke warm water for drinking for all the animals.

- Quantity of Molasses and honey increased to animals like herbivores, Asiatic Black bear and Red Panda.

- Knitted thatched roof of dry bamboo used for covering the roof of the enclosures.

- Wooden platforms and wooden frames provided in the night shelters for warmth.

b. Monsoon (June- September)

- De-humidifiers used in the night shelters to lower the humidity.

- Polythene sheets to cover the roof of the enclosures to keep the enclosures and the Kraal area dry.

- Rain Shelters in the enclosure of the herbivores.

- Regular clearing of enclosures with thick overgrowths.

- Care taken to keep the night shelters dry for animal retirement at night.

- Pheasants with chicks kept inside the chick rearing room.

c. Spring (March- May)

- Enrichments for all species -wooden platforms, aerial walkways, breeding boxes.

- Feeding enrichments.

- Hanging various vegetables and fruits (whole/pieces) in the aviary for birds/pheasants for pecking.



23 ADOPTION

Animal adoption is an opportunity offered by the zoo to the public to adopt animal species in the zoos collection for their maintenance. Any interested party or person wanting to adopt an animal can choose which animal would interest

them and pay for their care, by entering into an agreement with the zoo management. By adopting an endangered species, you are participating in the conservation of our rich heritage.

SL. NO.	NAME	ADDRESS	ANIMAL	AMOUNT	DATE	PERIOD	80(G) CERTIFICATE PROVIDED OR NOT
1	Mr. Somsekhar Chakraborty	29/B, Russa road (South), 2nd lane, Tollygunge, kolkata-700033	1 Indian Rock Python	10,000/-	04.05.2023	1 year	Yes
2	Mr. Dipten Ghosh	Shimulpur, north 24 parganas, west Bengal-743281	1 Himalayan Monal	5000/-	09.06.2023	1 year	Yes
3	Mr. Manish Agarwal	Thirani Mill Compound, Babupara, Siliguri, Jalpaiguri, West Bengal 734005	1 Roseate Cockatoo	5000/-	01.07.2023	1 year	Yes
4	Miss. Olly Poranonda Banerjee	Daughter of: Sharmistha Banerjee, 122 Willow Grove drive, Lincroft, New Jersey, United States of America	1 Red Panda	60,000/-	25.07.2023	1 year	Yes
5	Mr. Sandipan Sarkar	Palla road, Memari, Palla, Bardhaman, west Bengal- 713151	1 Rose ringed parakeet	3000/-	10.07.2023	1 year	Yes
6	Mr. Pradeep v. Hegde	Hosmane, kodnagadde grama, sirsi, Karnataka-581336	1 Red Panda	12,000/-	11.08.2023	2 months	Yes
7	Sava Healthcare LTD	Sava House, lalwani Plaza, wing-B, Off Airport Road, Viman Nagar, Pune	1 Red Panda	60,000/-	21.08.2023	1 year	Yes
8	Sava Healthcare LTD	Sava House, lalwani Plaza, wing-B, Off Airport Road, Viman Nagar, Pune	1 Markhor	10,000/-	21.08.2023	1 year	Yes
9	Sava Healthcare LTD	Sava House, lalwani Plaza, wing-B, Off Airport Road, Viman Nagar, Pune	1 Himalayan Tahr	10,000/-	21.08.2023	1 year	Yes
10	Sava Healthcare LTD	Sava House, lalwani Plaza, wing-B, Off Airport Road, Viman Nagar, Pune	1 Blue Sheep	10,000/-	21.08.2023	1 year	Yes

SL. NO.	NAME	ADDRESS	ANIMAL	AMOUNT	DATE	PERIOD	80(G) CERTIFICATE PROVIDED OR NOT
11	Miss. Nilanjana Rai	Dowhill Road, upper Dumaram Busty, Kurseong Darjeeling, Kurseong, West Bengal- 734203	1 Himalayan Newt	3,000/-	15.09.2023	1 year	Yes
12	Mr. Arfat S.k	S/O. Mostakin Sekh, Bishnapur, memari, satgachia, P.O Sontala, Barddaman, West Bengal- 713422	1 Cockatiel	2,000/-	24.09.2023	1 year	Yes
13	Mackintosh Burn LTD	D-1/1, gilander House, 8NS road, Buildane, Kolkata, West Bengal- 700001	5 Red Pandas	3,00,000/-	29.09.2023	1 year	Yes
14	ECO Club, North Sikkim Academy	CD- Rabgay A. Fazili, Aspen, pritam Road, kalinpong-1, Darjeeling, West Bengal 734301	1 Rose ringed parakeet	3,000/-	31.10.2023	1 year	Yes
15	Miss. Sudipta Bhaumik	Swaona Fartbad betala garia, Sonarpur, Garia South 24 Pargana, West Bengal: 700084	1 Himalayan Black Bear	40,000/-	04.12.2023	1 year	Yes
16	Mr. Anindya Mookerjee	13 Tara Road, 2nd Floor, Kolkata- 700026	Snow Leopard	1,00,000/-	04.12.2023	1 year	Yes
17	Miss. Mousumi Mukherjee & Mr. Arunava Roy	3A, Kailash Residency, deshbandhu Road, Burnpur, Asansol, West Bengal: 713325	1 Himalayan Monal	5,000/-	08.12.2023	1 year	Yes



24 CONSERVATION BREEDING PROGRAMME of the ZOO

SNOW LEOPARD

- Snow Leopard *Panthera uncia* is listed as “vulnerable” on the IUCN Red List, with an estimated population of between 4,000 and 7,500 individuals remaining in the wild.

- Hunting, habitat encroachment, transportation and service corridors, anthropogenic disturbance, climate change and severe weather has reduced the wild population so much that the species have become extremely rare in many parts of its native habitat.

- PNHZ Park started work on captive breeding project of this rare species in the year 1983. Apart from a number of in-situ conservation efforts, a global captive breeding programme is in place. Darjeeling zoo has been a part of this initiative since 1986.

- A total of sixty-seven snow leopard births have been recorded in the park. The table below

depicts the birth at an interval of every five years and their survivability.

- Snow Leopard breeding program initiated in 1986 as Snow Leopard Conservation Breeding project

- A pair of unrelated Snow Leopard was brought in from Zurich Zoo on 21.03.1986. the other pair came to the zoo from U.S. zoos in 1989. This pair gave birth to two female cubs on May 20th, 1989.

- The Snow Leopard Breeding project is one of the most successful and the only breeding programme of this species in South East Asia.

- In year 2000, a pair of wild/rescued female Snow leopards were brought from Ladakh out of which one house named “Neeta” has contributed immensely to the gene pool of the captive Snow Leopard.



Founder stock of snow leopard at PNHZ Park (1986- 2015)

Sl. No	Name of the animal	Sex	International Stud book Number	Acquired from
1	Kashi	F	1005	Zurich, Switzerland
2	Vishna	M	620	Helsinki, Finland
3	Persia	F	697	Toledo Zoo, Ohio
4	Hank	M	1059	Litterock, Arkansas
5	Quizil	M	1472	Zurich, Switzerland
6	Quilla	F	1473	Zurich, Switzerland
7	Quetta	F	1474	Zurich, Switzerland
8	Tyson	M	1850	Hubstrand .Sweden
9	Neeta	F	2228	Leh, Ladakh
10	Meeta	F	-	Srinagar, Jammu and Kashmir

Sl. No	Name of the animal	Sex	International Stud book Number	Acquired from
1	Kashi	F	1005	Zurich, Switzerland
2	Vishna	M	620	Helsinki, Finland
3	Persia	F	697	Toledo Zoo, Ohio
4	Hank	M	1059	Litterock, Arkansas
5	Quizil	M	1472	Zurich, Switzerland
6	Quilla	F	1473	Zurich, Switzerland
7	Quetta	F	1474	Zurich, Switzerland
8	Tyson	M	1850	Hubstrand .Sweden
9	Neeta	F	2228	Leh, Ladakh
10	Meeta	F	-	Srinagar, Jammu and Kashmir

RED PANDA

- Red Panda *Ailurus fulgens* is a small mammal of the Himalayas, almost of the size of the jungle cat with chestnut coat and ringed tail. It is distributed in the Himalayas from Central Nepal through northern Burma in the mountains of South-Western China at an altitude ranging between 900-13,000 feet. In India, Red Panda is distributed in Sikkim, Darjeeling Hills and Arunachal Pradesh.

- Red Panda is threatened by habitat loss and fragmentation. Red Panda was also hunted and trapped in large number to be kept as pets and for supply to zoos all over the world. The species is enlisted as Endangered by the IUCN (2015) with a declining population in its distribution range. The species is a protected species in all its range countries (Nepal, Bhutan, India, Burma and China). In India the species receives protection under the Indian Wildlife Protection Act (1972). The species is also under the CITES Appendix I. Population estimated fewer than 2500 according to Red Panda network.

- In captivity, a global captive breeding program is in place something which started in the early 1990s in Europe. Padmaja Naidu Himalayan Zoological Park, Darjeeling which at present has 27 (10:7) Red Pandas is also a part of this breeding program for the Red Panda. The zoo was able to restock four Red Pandas back to the wild as a conservation initiative.

- Zoological Park had one male (Basant) and three females (Amita, Chanda and Divya) all of wild origin in the stock at the beginning of the Project in 1990. Hence one male "Oscar" (d.o.b June 29, 1992) was brought from Rotterdam Zoo in April 1,

1993 to augment the existing population of 4 Red Pandas in the zoological Park.

- The first successful planned breeding of Red Panda occurred on 20.06.1994 when two cubs "Ekta" and "Friend" were born to "Basant" and "Amita".

- Hari (d.o.b – June 30, 1993, Rotterdam), Gora (male, d.o.b-June 25, 1993, Koln) and Indira (female d.o.b.-June 26, 1993, Madrid) arrived in Darjeeling on November 10, 1994 to include new blood and to continue the planned breeding programme.

- Out of the two female Red Pandas (Mini and Sweetie) released in 2003, Sweetie gave birth to a cub in July 2004 in a hollow of an oak tree in Gairibas, Singalila National Park (SNP), Darjeeling.

- As a part of the augmentation project, titled "Red Panda Augmentation in Singalila National Park and Neora Valley National Park(NVNP) in West Bengal", 2:2 red pandas were shifted to the Soft release facility in Gairibans, Singalila National Park on 15.01.2022. After acclimatization, the animals were released in the wild on 26.03.2022 in the presence of the Member Secretary, Central zoo authority.

- As a part of the augmentation project, PNHZ Park conducted genetic analysis of its Red Panda by LaCONES, CCMB, Hyderabad and IISER, Kolkata. On the basis of the results of the genetic analysis 2:2 Red Panda were selected for release at SNP After acclimatization for over 2 months, the final release into the wild habitat took place on 26.03.2022

- Three female (0:3) Red Pandas namely Nira, Tista and Numa from PNHZP were released in the

Soft Release Facility at Gairibans, Singalila National Park on 08.12.2022. After acclimatisation for over two months, the final release took place on 03.02.2023. The three female red pandas were released and all 3 mated with their wild counterparts and gave birth to a total 5 cubs. This marks the success of the Red Panda augmentation program.

- On 07.02.2024, two female red pandas were

AUGMENTATION PROGRAMS:

Two female (0:2) Red Panda namely Nova and Asha from PNHZP were released in the Soft Release Facility at Gairibans, Singalila National Park on 07.02.2024 in presence of Chief Conservator of Forests, Shri. J V. Bhaskar, IFS; Director, PNHZP, Dr. Basavaraj S. Holeyachi, IFS; DFO, Darjeeling Wildlife Division, Shri. Viswanath Pratap, IFS; DFO, Darjeeling Division, Shri. Sheik Fareed, IFS, officials



SUCCESS OF RED PANDA AUGMENTATION PROGRAM:

Three female (0:3) Red Pandas namely Nira, Tista and Numa from PNHZP were released in the Soft Release Facility at Gairibans, Singalila National Park on 08.12.2022. After acclimatisation for over two months, the final release took place on 03.02.2023. All 3 female Red Pandas mated with their wild counterparts and gave birth to a total 5

again released in Singalila National Park. After acclimatization for approximately one and a half month, the final release was held on 16.03.2024. The released red pandas were fitted with radio collars and were tracked and monitored for researchers, collecting valuable data on the behaviour, movement and habitat preferences of the species.

and the staffs of PNHZP. After acclimatization for approximately one and a half month, the final release was held on 16.03.2024. The released red pandas were fitted with radio collars and were tracked and monitored for researchers, collecting valuable data on the behaviour, movement and habitat preferences of the species. The Park has earlier successfully released captive red pandas in Singalila National Park in 2004, January, 2022 and February 2023.



cubs. This marks the success of the Red Panda augmentation program.





25 ANIMAL ACQUISITION /TRANSFER/EXCHANGE

A ANIMALS ACQUIRED BY THE ZOO				
SL.NO.	SPECIES	NUMBER (M: F)	FROM WHICH ZOO	DATE OF ARRIVAL IN THE ZOO
1.	Leopard cat (<i>Prionailurus bengalensis</i>)	0:1:0	North Bengal Wild Animals Park, Siliguri	04.04.2023
2.	Binturong (<i>Arctictis binturong</i>)	0:0:3	North Bengal Wild Animals Park, Siliguri	18.04.2023
3.	Cheer Pheasant (<i>Catreus wallichii</i>)	3:3:0	Himalayan Nature Park, Shimla, Kufri	21.11.2023
4.	Kalij Pheasant (<i>Lophura leucomelanos</i>)	1:1:0	Himalayan Nature Park, Shimla, Kufri	21.11.2023
5.	Jungle Cat (<i>Felis chaus</i>)	1:1:0	Garchumuk Deer Park, Howrah	02.11.2023
6.	Red Jungle Fowl (<i>Gallus gallus</i>)	3:3:0	Himalayan Nature Park, Shimla, Kufri	21.11.2023
7.	Himalayan Goral (<i>Naemorhedus goral</i>)	1:2:0	Himalayan Nature Park, Shimla, Kufri	21.11.2023
8.	Siberian Tiger (<i>Panthera tigris altaica</i>)	1:1:0	Pafos Zoo, Pafos	10.12.2023
9.	Cheer Pheasant (<i>Catreus wallichii</i>)	2:1:0	G B Pant High Altitude Zoo, Nainital	08.03.2024
10.	Red Jungle Fowl (<i>Gallus gallus</i>)	2:2:0	G B Pant High Altitude Zoo, Nainital	08.03.2024
11.	Kalij Pheasant (<i>Lophura leucomelanos</i>)	1:3:0	G B Pant High Altitude Zoo, Nainital	08.03.2024
12.	Himalayan Goral (<i>Nemorhaedus goral</i>)	1:1:0	G B Pant High Altitude Zoo, Nainital	08.03.2024
13.	Lady Amherst (<i>Chrysolophus amherstiae</i>)	1:1:0	G B Pant High Altitude Zoo, Nainital	08.03.2024

B				
ANIMALS TRANSFERRED FROM THE ZOO				
SL. NO.	SPECIES	NUMBER (M: F:U)	GOING TO WHICH ZOO	DATE OF DEPOSITION FROM THE ZOO
1.	Golden Pheasant (<i>Chrysolophus pictus</i>)	2:3:0	Tata Zoological Park, Jamshedpur	04.04.2023
2.	Silver Pheasant (<i>Lophura nycthemera</i>)	1:2:0	Tata Zoological Park, Jamshedpur	04.04.2023
3.	Red Jungle Fowl (<i>Gallus gallus</i>)	2:3:0	Tata Zoological Park, Jamshedpur	04.04.2023
4.	Blue Sheep (<i>Pseudois nayaur</i>)	2:1:0	Himalayan Nature Park, Shimla, Kufri	23.11.2023
5.	Red Jungle Fowl (<i>Gallus gallus</i>)	3:3:0	Himalayan Nature Park, Shimla, Kufri	23.11.2023
6.	Golden Pheasant (<i>Chrysolophus pictus</i>)	2:2:0	Himalayan Nature Park, Shimla, Kufri	23.11.2023
7.	Lady Armherst (<i>Chrysolophus amherstiae</i>)	2:2:0	Himalayan Nature Park, Shimla, Kufri	23.11.2023
8.	Silver Pheasant (<i>Lophura nycthemera</i>)	2:2:0	Himalayan Nature Park, Shimla, Kufri	23.11.2023
9.	Golden Pheasant (<i>Chrysolophus pictus</i>)	0:2:0	Garchumuk Deer Park, Howrah	08.12.2023
10.	Silver Pheasant(<i>Lophura nycthemera</i>)	0:2:0	Garchumuk Deer Park, Howrah	08.12.2023
11.	Red Panda (<i>Ailurus fulgens fulgens</i>)	1:1:0	Pafos Zoo, Pafos	09.12.2023
12.	Temminck's Tragopan (<i>Tragopan temminckii</i>)	4:4:0	Zoological Garden Alipore, Kolkata	12.12.2023
13.	Red Jungle Fowl (<i>Gallus gallus</i>)	2:2:0	Zoological Garden Alipore, Kolkata	12.12.2023
14.	Golden Pheasant (<i>Chrysolophus pictus</i>)	8:8:0	Zoological Garden Alipore, Kolkata	12.12.2023
15.	Lady Armherst (<i>Chrysolophus amherstiae</i>)	6:3:0	Zoological Garden Alipore, Kolkata	12.12.2023
16.	Silver Pheasant (<i>Lophura nycthemera</i>)	8:8:0	Zoological Garden Alipore, Kolkata	12.12.2023
17.	Indian Rock python (<i>Python molurus</i>)	0:1:0	Garchumuk Deer Park, Howrah	13.12.2023
18.	Sand Boa (<i>Eryx johnii</i>)	1:3:0	North Bengal Wild Animals Park, Siliguri	13.12.2023
19.	Red Panda (<i>Ailurus fulgens fulgens</i>)	0:2:0	Singalila National Park, Garibans	07.02.2024
20.	Snow Leopard (<i>Uncia uncia</i>)	1:0:0	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar	26.02.2024
21.	Red Panda (<i>Ailurus fulgens fulgens</i>)	0:1:0	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar	26.02.2024

B				
ANIMALS TRANSFERRED FROM THE ZOO				
SL. NO.	SPECIES	NUMBER (M: F:U)	GOING TO WHICH ZOO	DATE OF DEPOSITION FROM THE ZOO
22.	Golden Pheasant (<i>Chrysolophus pictus</i>)	3:3:0	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar	26.02.2024
23.	Silver Pheasant (<i>Lophura nycthemera</i>)	3:3:0	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar	26.02.2024
24.	Lady Amherst (<i>Chrysolophus amherstiae</i>)	4:2:0	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar	26.02.2024
25.	Markhor (<i>Capra falconeri</i>)	0:1:0	G B Pant High Altitude Zoo, Nainital	08.03.2024
26.	Golden Pheasant (<i>Chrysolophus pictus</i>)	2:2:0	G B Pant High Altitude Zoo, Nainital	08.03.2024
27.	Silver Pheasant (<i>Lophura nycthemera</i>)	2:2:0	G B Pant High Altitude Zoo, Nainital	08.03.2024
28.	Lady Amherst (<i>Chrysolophus amherstiae</i>)	2:2:0	G B Pant High Altitude Zoo, Nainital	08.03.2024



26 RESCUE AND REHABILITATION of WILD ANIMALS

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 CLWL/CZA	ACTION TAKEN	
					DATE AND PLACE OF REHABILITATION IN THEIR HABITAT	REASONS FOR HOUSING IN THE ZOO, IF NOT RELEASED IN THEIR HABITAT
1.	06.02.2023	Common Leopard (<i>Panthera pardus</i>) 0:1:0	Kurseong forest division	CCF (Wildlife North) office memo no. 872/2W-147(iii)/Rescue/Wild Animals dtd 24.04.2023	The animal was released at Senchal Wildlife Sanctuary on 22.05.2023	-
2.	04.02.2024	Common Leopard (<i>Panthera pardus</i>)	Darjeeling Division	20.03.2024 vide memo no. 1389/ GENL/RES/W.ANIMAL/PNHZP/23-24	-	One of its eyes was mutilated therefore not suitable to release in the wild. Animal was shifted to NBWAP, Siliguri and kept in the non-display area.
3.	14.04.2023	Chinese pangolin (<i>Manis pentadactyla</i>) 1:0:0	Range Officer, Balakoba (MPP-1), Baikunthapur, Division Jalpaiguri	24.04.2023 vide memo no. 97/GENL/RES/W.ANIMAL/PNHZP/23-24	The animal died at PNHZP on 19.04.23 due to cardio respiratory failure due to punctured lungs	-
4.	21.05.2023	Leopard Cat (<i>Prionailurus bengalensis</i>) 0:1:0	Beat Officer, Sonada, Senchal West Range	01.08.2023 vide memo no. 494/P.A.31/BNHM-1(Vol-VI)/PNHZP/23-24	The animal died at PNHZP on 13.07.2023 due to Asphyxia from oesophageal obstruction	-
5.	30.01.2024	Yellow throated Martin (<i>Martes flavigula</i>) 1:0:0	Darjeeling Wildlife Division	05.02.2024 vide memo no. 1145/P.A.31/BNHM-1(Vol-VII)/PNHZP/23-24	The animal dies on 02.02.2024 due to cardio respiratory failure due to electrocution	-
6.	26.08.2023	Serrow (<i>Capricornis s. thar</i>) 0:1:0	Range Officer, Senchal East Range	28.08.2023 vide memo no. 604/ P.A.31/BNHM-1(Vol-V)/PNHZP/23-24	The animal died at PNHZP on 28..08.2023 due to severe blunt traumatic injury and hypovolemic shock leading to cardio respiratory failure	-

Endangered species (Schedule I and II)

Sl. No	Animal Name	Scientific Name	Opening stock on 01.04.2023						Births			Acquisitions			Disposals			Deaths			Closing Stock on 31.3.2024							
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T						
Birds																												
1	Pheasant Cheer	<i>Catreus wallichii</i>	2	2	0	4	0	0	0	0	0	5	4	0	0	0	0	0	0	0	0	1	0	0	6	6	0	12
2	Pheasant Grey Peacock	<i>Polyplectron bicalcaratum</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
3	Pheasant Kalij	<i>Lophura leucomelana</i>	5	3	0	8	0	0	7	2	4	0	0	0	0	0	0	0	0	0	2	2	0	9	8	0	17	
4	Pheasant Monal	<i>Lophophorus impejanus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
5	Tragopan Temminick's	<i>Tragopan temminicki</i>	6	17	0	23	0	0	14	0	0	0	0	0	4	4	0	3	4	0	7	15	0	22	0	0	22	
Total Birds			14	24	0	38	0	0	21	7	8	0	0	4	4	0	6	6	0	23	31	0	54					
Mammals																												
1	Bear Himalayan Black	<i>Ursus thibetanus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
2	Cat Jungle	<i>Felis chaus</i>	1	1	0	2	0	0	0	1	1	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	2	
3	Cat Leopard	<i>Prionailurus bengalensis</i>	4	2	0	6	0	0	0	0	1	0	0	0	0	0	0	0	0	0	4	3	0	7	0	0	7	
4	Civet Himalayan Palm	<i>Paguma larvata</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3	0	0	3		
5	Civet Common Palm	<i>Paradoxurus hermaphrodites</i>	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	2	

		Reptile/ Amphibian																							
S. No	Animal Name	Scientific Name	Opening stock on 01.04.2023						Births			Acquisitions			Disposals			Deaths			Closing Stock on 31.3.2024				
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T			
1	Python Indian Rock	<i>Python molurus</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
2	Viper Russells	<i>Dabola russelii</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
3	Himalayan Newt	<i>Tylotriton verrucosus</i>	6	7	37	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	7	37	50
Total Reptile/ Amphibian			7	8	37	52	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	6	7	37	50
TOTAL ANIMALS			84	89	37	210	5	8	28	8	10	3	8	13	0	14	17	0	0	0	91	92	37	220	

28**MORTALITY OF ANIMALS (01ST APRIL 2023 TO 31ST MARCH 2024)**

Sl. No	Date of Death	Animal	Name	Date of Birth	Age	Sex	No	Cause of Death
1	01.04.2023	Kalij Pheasant	Unnamed	29.04.2016	6 years 11 months 3 days	M	1	Death may be due to dashing
2	18.04.2023	Cockatiel	Unnamed	01.01.2012	11 years 3 months 17 days	U	1	Due to old age
3	18.05.2023	Snow Leopard	Makalu	17.04.2014	9 years 1 month 1 day	M	1	Multi-organ failure leading to CR failure.
4	25.05.2023	Himalayan Tahr	Preetika	28.04.2017	6 years 27 days	F	1	Death may be due to acute bloot.
5	01.06.2023	Markhor	Ivy	26.04.2017	6 years 1 month 5 days	F	1	Dashing leading to fracture of 4th cervical vertebrae and CR failure.
6	05.06.2023	Golden Pheasant	Unnamed	18.06.2019	3 years 11 months 16 days	M	1	Death due to hypo-volumic shock from predation related trauma.
7	05.06.2023	Snow Leopard	Kim	29.04.2010	13 years 1 month 8 days	F	1	Tentatively due to cerebrovascular accident.
8	12.06.2023	Markhor	Unnamed	11.05.2023	1 month 1 day	F	1	Tentatively due to pneumonia.
9	14.06.2023	Markhor	Unnamed	11.05.2023	1 month 3 days	F	1	Tentatively due to pneumonia.
10	26.06.2023	Temminck's Tragopan	Unnamed	09.05.2018	5 years 2 months 17 days	F	1	Death due to impacted drop
11	09.07.2023	Himalayan Goral	Aamar	18.05.2018	5 years 1 month 18 days	M	1	Tentatively due to renal failure.
12	11.07.2023	Barking Deer	Kiran	01.10.2020	2 years 9 months 10 days	F	1	Due to acute tympanites.
13	06.08.2023	Barking Deer	Bikash	02.01.2015	8 years 7 months 4 days	M	1	May be due to pneumonia.
14	14.08.2023	Temminck's Tragopan	Unnamed	26.06.2023	45 days	F	1	Due to pneumonia.

Sl. No	Date of Death	Animal	Name	Date of Birth	Age	Sex	No	Cause of Death
15	17.08.2023	Temminck's Tragopan	5657	21.05.2012	11 years 3 months 17 days	M	1	Death may be due to dashing.
16	17.08.2023	Golden Pheasant	Unnamed	10.06.2022	1 year 2 months 7 days	F	1	Death due to enteritis.
17	02.09.2023	Markhor	Somi	12.05.2023	3 months 20 days	F	1	Tentatively due to enterotoxaemia
18	01.10.2023	Red Panda	Shova	07.06.2011	12 years 3 months 24 days	F	1	Death may be due to pneumonia precipitated due to old age.
19	11.10.2023	Blue Sheep	Purni	04.05.2021	2 years 5 months 7 days	F	1	Tentatively due to Malignant Oedema.
20	27.10.2023	Cheer Pheasant	Unnamed	06.07.2017	6 years 3 months 21 days	M	1	Tentatively due to chronic respiratory disease associated with enteritis.
21	13.11.2023	Reeves Pheasant	Unnamed	01.07.2021	8 years	F	1	Tentatively due to pneumonia
22	16.11.2023	Golden Pheasant	Unnamed	01.07.2021	2 years 4 months 15 days	F	1	Death from hypo-volumic shock due to predation
23	23.11.2023	Kalij	Unnamed	25.08.2022	1 year 2 months 29 days	F	1	Cerebral haemorrhage due to infighting in transport
24	24.11.2023	Red Jungle Fowl	Unnamed	08.06.2020	3 years 6 months 16 days	M	1	Tentatively due to cerebral haemorrhage from infighting
25	25.11.2023	Red Panda	Ram	22.06.2010	13 years 5 months 3 days	M	1	Multi-organ failure due to senility
26	28.12.2023	Red Jungle Fowl	Unnamed	22.02.2016	7 years 10 months 6 days	F	1	Due to pneumonia
27	28.12.2023	Himalayan Tahr	Sushil	23.11.2005	18 years 1 month 5 days	M	1	Due to hepatic carcinoma
28	30.12.2023	Russel's Viper	Unnamed	02.05.2013	10 years 7 months 28 days	M	1	Due to hypothermia
29	30.12.2023	Jungle Cat	Paras	22.04.2010	13 years 8 months 8 days	M	1	Due to pneumonia
30	09.01.2024	Golden Pheasant	Unnamed	10.06.2022	1 year 6 months 29 days	M	1	Death tentatively due to dashing leading to hypo-volumic shock

Sl. No	Date of Death	Animal	Name	Date of Birth	Age	Sex	No	Cause of Death
31	18.01.2024	Temminck's Tragopan	Unnamed	01.06.2017	6 years 8 months 8 days	M	1	Due to impaction of crop
32	24.01.2024	Bengal Hanuman Langur	Unnamed	19.12.2023	35 days	M	1	Head injury related to ill-nursing by mother
33	26.01.2024	Jungle Cat	Sarani	01.01.2016	8 years 25 days	F	1	Multi-organ failure associated with lungs neoplasm
34	02.02.2024	Kalij Pheasant	Unnamed	30.06.2023	7 months 2 days	M	1	Death from hypovolemic shock arising from dashing and subsequent rupture of liver
35	04.02.2024	Red Panda	Satvik	01.07.2019	4 years 7 months 4 days	M	1	Death from cerebral haemorrhage and fracture at atlanto-axial joint as trauma from fall
36	11.02.2024	Silver Pheasant	Unnamed	27.04.2021	2 years 9 months 15 days	M	1	Death due to dashing
37	24.02.2024	Lady Amherst	Unnamed	08.06.2021	2 years 8 months 16 days	M	1	Death due to predation
38	09.02.2024	Reeves Pheasant	Unnamed	09.05.2018	5 years 9 months	F	1	Death due to pneumonia and hepatic necrosis
39	29.02.2024	Silver Pheasant	Unnamed	29.02.2020	4 years	M	1	Death due to cerebral haemorrhage from in-fighting
40	06.03.2024	Temminck's Tragopan	Unnamed	30.08.2022	1 year 6 months 7 days	F	1	Death due to E coli infection (according to the laboratory results from Institute of Animal Health and Veterinary Biologicals, Belgachia)
41	06.03.2024	Temminck's Tragopan	Unnamed	05.06.2022	1 year 10 days	F	1	Death may be due to infective cause
42	08.03.2024	Asiatic Black Bear	Aruna	07.06.1999	24 years 9 months 1 day	F	1	Tentatively from pneumonia aggravated by old age
43	10.03.2024	Temminck's Tragopan	Unnamed	19.06.2023	8 months 21 days	M	1	Tentatively due to enteritis
44	17.03.2024	Lady Amherst Pheasant	Unnamed	07.06.2023	9 months 10 days	M	1	Death from hypo-volumic shock from predation

Sl. No	Date of Death	Animal	Name	Date of Birth	Age	Sex	No	Cause of Death
45	18.03.2024	Kalij Pheasant	Unnamed	08.06.2022	1 year 9 months	F	1	Cerebral haemorrhage resulting from trauma due to infighting
46	27.03.2024	Snow Leopard	Himadri	15.04.2023	11 months 10 days	M	1	Tentatively due to Ehrlichiosis(according to the laboratory results from Institute of Animal Health and Veterinary Biologicals, Belgachia)
47	27.03.2024	Red Jungle Fowl	Unnamed	25.08.2022	1 year 7 months 2 days	F	1	Due to predation
48	28.03.2024	Snow Leopard	Baisakhi	15.04.2023	11 months 12 days	F	1	Tentatively due to Ehrlichiosis(according to the laboratory results from Institute of Animal Health and Veterinary Biologicals, Belgachia)

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MAMMALS

1. Golden jackal
2. Bengal fox
3. Himalayan palm civet
4. Himalayan yellow throated martin
5. Hoary bellied Himalayan squirrel
6. Giant flying squirrel
7. Barking deer
8. Leopard Cat
9. Assam macaque
10. Yellow bellied weasel

REPTILES

1. The Common House
2. Gecko
3. Gray's Skink
4. Common Skink
5. Green Trinket Snake
6. Himalayan Pit Viper

BIRDS

1. Large-billed Crow
2. Green-backed Tit
3. Brownish-flanked Bush Warbler
4. Chestnut-crowned Laughingthrush
5. Red-billed Leiothrix
6. White-tailed Nuthatch

7. Grey-winged Blackbird
8. Blue Whistling-Thrush
9. White-tailed Robin
10. Chestnut-bellied Rock-Thrush
11. Green-tailed Sunbird
12. Oriental Turtle-Dove
13. Black Eagle
14. Grey-headed Canary-Flycatcher
15. Barn Swallow
16. Large Hawk-Cuckoo
17. Lesser Cuckoo
18. Great Barbet
19. Sikkim Treecreeper
20. Verditer Flycatcher
21. Black-throated Tit
22. Himalayan Cuckoo
23. Greater Yellownape
24. White-throated Fantail
25. Whistler's Warbler
26. Chestnut-crowned Warbler
27. Blyth's Leaf Warbler
28. Grey-hooded Warbler
29. Whiskered Yuhina
30. Rufous-winged Fulvetta
31. Blue-winged Minla
32. Chestnut-tailed Minla
33. Red-tailed Minla
34. Ferruginous Flycatcher
35. Large Niltava
36. Rufous-bellied Niltava
37. Little Pied Flycatcher
38. Blyth's Shrike-Babbler
39. Pygmy Cupwing
40. Grey-bellied Tesia
41. Common Hill Myna
42. Oriental Honey-buzzard
43. Yellow-bellied Fantail
44. Buff-barrd Warbler
45. Rufous-capped Babbler
46. Fire-tailed Sunbird
47. Black-eared Shrike-Babbler
48. Grey Treepie
49. Striated Bulbul
50. Hume's Warbler
51. Himalayan Bluetail
52. Himalayan Griffon
53. Indian White-eye
54. Grey Bushchat
55. Rusty-flanked Treecreeper
56. Fire-breasted Flowerpecker
57. Himalayan Buzzard
58. Greenish Warbler
59. Stripe-throated Yuhina
60. Brown Bullfinch
61. Long-tailed Broadbill
62. Hair-crested Drongo
63. White-collared Blackbird
64. Barred Cuckoo-Dove
65. Blue-fronted Redstart
66. Scarlet Minivet
67. Himalayan Black Bulbul
68. Golden-throated Barbet
69. Maroon Oriole
70. Lemon-rumped Warbler
71. Asian Barred Owlet
72. Alpine Thrush
73. Spotted Dove
74. Chestnut-headed Bee-eater
75. Ashy-throated Warbler
76. Small Niltava
77. Rufous-gorgeted Flycatcher
78. Pin-tailed Green-Pigeon
79. Steppe Eagle
80. Brown Wood-Owl
81. Kalij Pheasant
82. Ashy Drongo
83. Scaly-breasted Cupwing
84. Mountain Hawk-Eagle
85. Dark-sided Flycatcher
86. Wedge-tailed Green-Pigeon
87. Chestnut-headed Tesia
88. Snowy-browed Flycatcher
89. Bay Woodpecker
90. Purple Cochoa
91. Grey Wagtail
92. Large Cuckooshrike
93. Mrs. Gould's Sunbird
94. Orange-bellied Leafbird
95. Black Drongo
96. House Swift

*Bird list: Mr. Asim Giri

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