

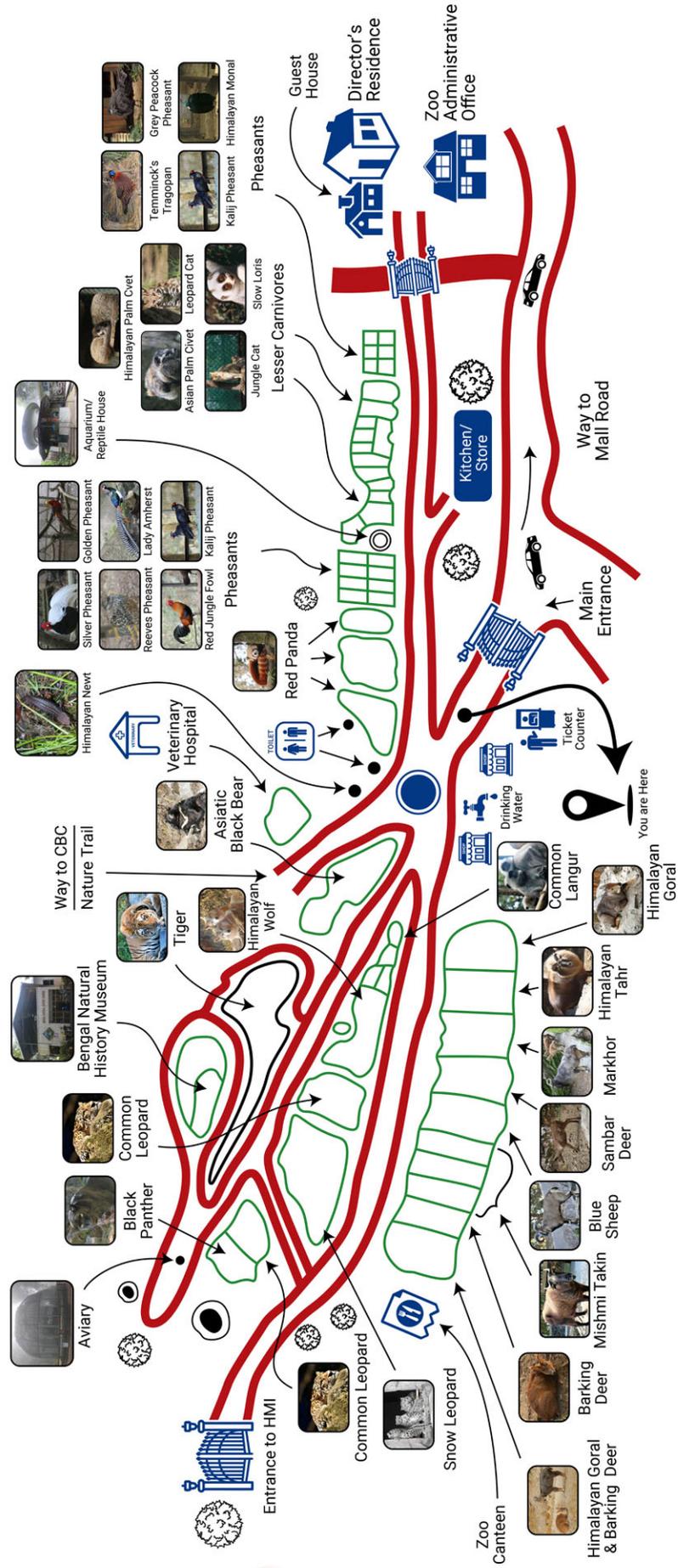
PADMAJA NAIDU HIMALAYAN ZOOLOGICAL PARK

Annual Report
2022-23



DARJEELING ZOO

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. PNHZP 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. PNHZP 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 second Red Panda release program, Red Jungle Fowl and Himalayan Goral release program. This year a lot of importance was given on modernization of veterinary section, an instrumentation lab was established containing world class technological equipment's.

In conservation breeding centre Dowhill new 6-unit aviary and chick rearing house was constructed to facilitate better breeding and rearing of Chicks. Also a veterinary hospital was established at Topkey Dara.

In the coming year this good works will continued further to meet the objective 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. It's 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.



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 enclosure

and 5 Snow Leopard enclosure (2 open enclosure and 3 closed enclosure). It has a well-equipped veterinary hospital for monitoring of the health and treatment of the animals housed. A new 2 unite 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, 3 night-guards) who are overseen by the Estate Officer, PNHZP. The breeding facility is not open for display to visitors.

Aerial view of Topkeydara





Enclosure at Topkeydara

Snow leopard at Topkeydara

Red Panda at Topkeydara

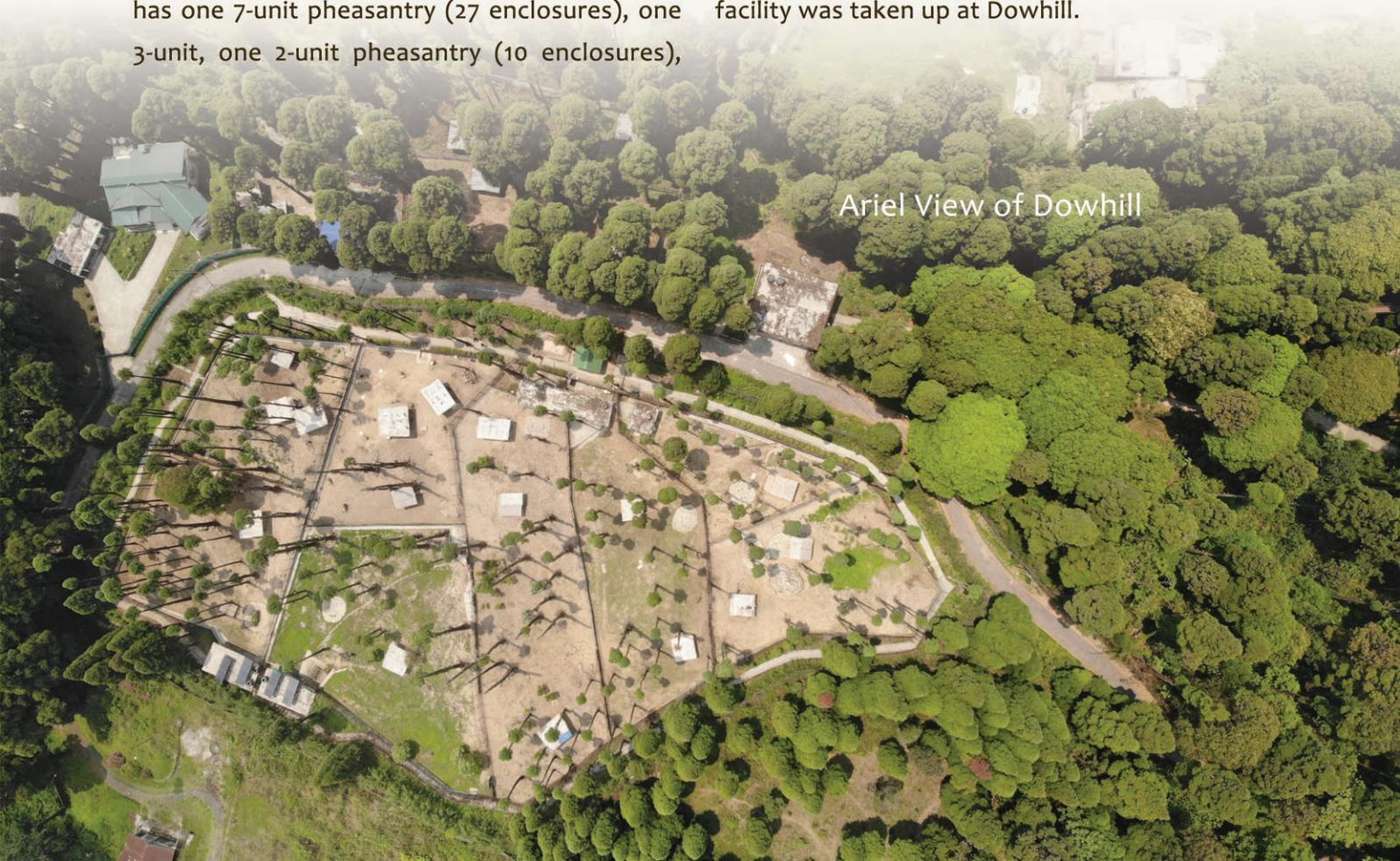


Conservation Breeding Centre for Pheasant & Herbivore at Dowhill

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.



Ariel View of 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.



06

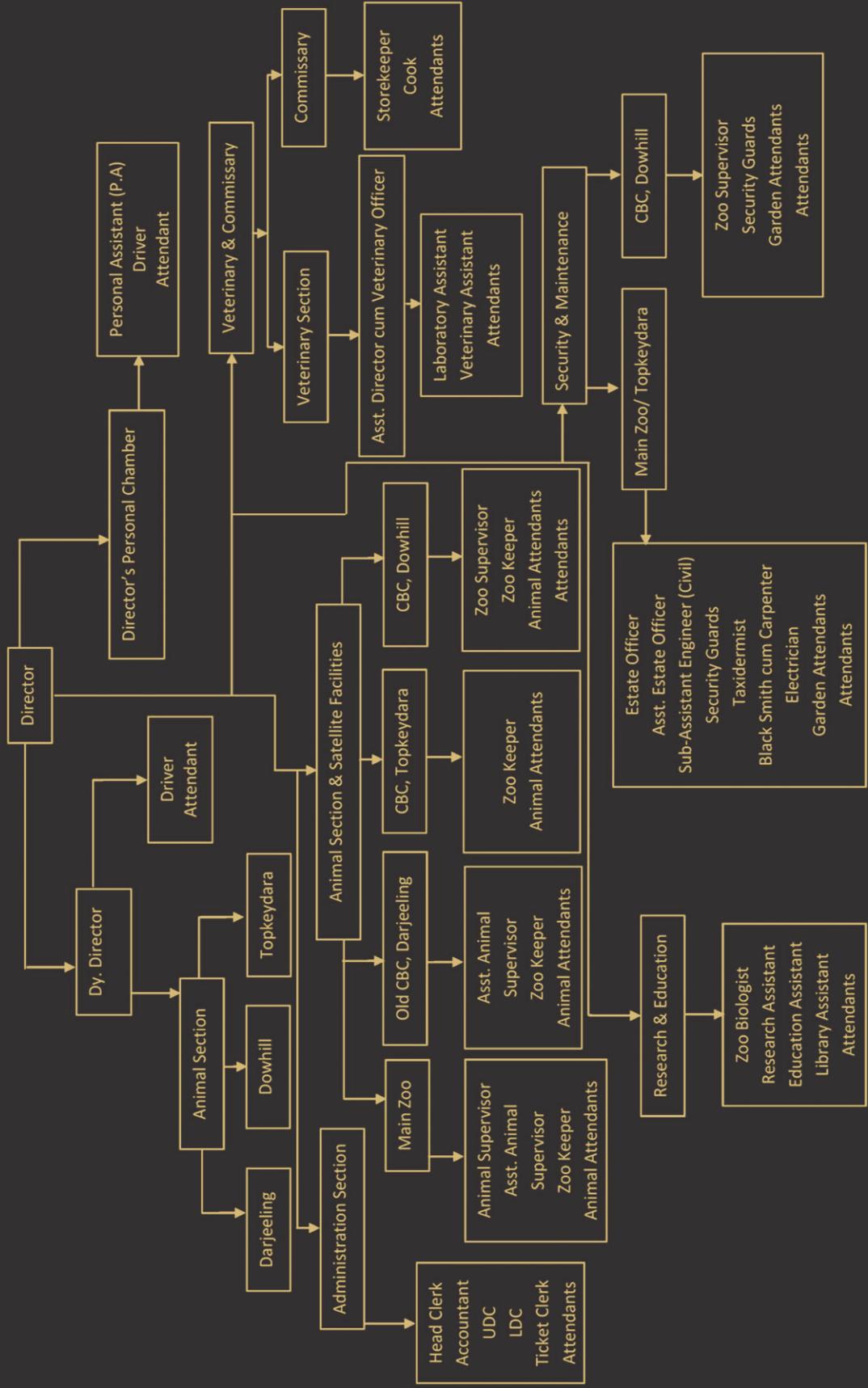
Information about the Zoo ABOUT US

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)	Adult:	
		Children:	
		Total Indian: 688944	
		Total Foreigners: 2598	
		Total Visitors: 691542	
14	Visitors' Facilities Available in Zoo	1.Rain Shelter	8.Photographers on payment
		2.Resting benches	9.Wheelchairs
		3.Kiosks	10.Drop off
		4.Drinking water	11.Zoo guides on payment
		5.Toilets (Gents & Ladies)	12.Information brochures
		6.Child Care Room	13.Stoppage point.
		7.Zoo Canteen	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. Mr. Shiromani Syangden	
	Name of the Biologist	Miss Pranita Gupta (01.06.2022 onwards)	
	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: mswbza@gmail.com	

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

07 Organisational CHART





08 Human Resources MANPOWER OF THE ZOO

Sl.No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1	Director	01	Dr. Basavaraj S. Holeyachi
2	Deputy Director	01	Shri Partha Sarathi Pramanik, WBFS (Till 27.05.2022)
3	Assistant Director cum Veterinary Officer	01	Dr. Joy Dey
4	Zoo Biologist	01	Miss Pranita Gupta (01.06.2022 onwards)
5	Sub Assistant Engineer (Civil)	01	Mr. Saurav Sharma
6	Zoo Supervisor PNHZP Darjeeling Dow Hill	02	Mr. Purna Ghishing (Till 30.06.2022) Mr. Lalit Pradhan(Zoo Supervisor)
7	Museum Supervisor	01	-
8	Estate/ Security Supervisor	01	Mr. Shiromani Syangden
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 PNHZ-1 Old CBC-1	02	Mr. Deepak Roka (Till 28.02.2023) -
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 PNHZ Darjeeling -10 Old CBC-1 CBC Topkeydara-1 Dow hill- 2	14	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 and Mr. Mahesh Gurung.



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 (P)
27	OA/TA	02	Mrs. Preetika Lakhandri (TA)
28	Ticket Clerk	02	Mr. Amit Pradhan (C) Mr. Roshan Bhujel (C)
	Total Permanent	35	
31	Support Staff (on Contract):		
	Security PNHZZP -21 Old CBC-02 Topkeydara-03 Dow hill- 03	29	PNHZZP -23 Topkey-3 Dowhill- 3
	b) Sanitation	12	PNHZZP-02 (P) + 10 (C)
	Garden attendant	15	13 PNHZZP (C)+ 2 Dowhill(C)
	Attendants	09	PNHZZP-7 (C) + 02 Dowhill (C)
	e) Animal Attendants PNHZZP -10 Old CBC-01 Topkeydara-02 Dow hill- 03	16	PNHZZP-10 Old CBC-01 Topkey-02 Dowhill-03
	Total Contractual	80	
	TOTAL (Sanctioned post + contractual)	173	

09

Zoo Personnel CAPACITY BUILDING

Sl. No.	Name and designation of the zoo personnel	Subject matter of Training	Period of Training	Name of the Institution where the Training attended
1.	Dr. Basavaraj S. Holeyachi, Director, PNHZP	National Conference for Zoo Directors	18 th to 19 th January 2023	Mysore Zoo, Karnataka
1.	Miss. Pranita Gupta, Zoo Biologist, PNHZP	Skill Development Program on Wildlife Forensics	28th November 2022 to 2nd December 2022	Centre For Cellular And Molecular Biology (CCMB), Hyderabad
2.	Miss. Ruma Mandal, Education Assistant, PNHZP	Capacity enhancement workshop for Education Officers in Indian Zoos	15th to 17th February, 2023	The Mumbai Zoo, Byculla, Mumbai.
2.	Mr. Sudan Chettri, Animal Keeper, PNHZP	Capacity enhancement workshop for Zookeepers of the Eastern and North Eastern region	20th to 23rd February, 2023	Zoological Garden, Alipore, Kolkata.
3.	Mr. Bedan Chettri, Library Assistant, PNHZP	Skill development training workshop for scientific staffs of West Bengal Zoos	17th to 18th March, 2023	Zoological Garden, Alipore, Kolkata.
4.	Miss. Pranita Gupta, Zoo Biologist, PNHZP	Capacity Enhancement Workshop for Zoo Biologists	21st to 23rd March, 2023	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar





Greens Zoological Rescue and Rehabilitation Centre & Central Zoo Authority



Capacity Enhancement Workshop for Zoo Biologists, March 21-23 2023.



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: NA



11 HEALTH ADVISORY Committee

Dates on which Meetings held during the year: NA

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 & expenditure of the Zoo

Revenue	Sl No.	Source of Fund (2022-2023)	Receipt In Rupees
	1.	Indian Visitors	3,62,03,405
		Foreign Visitors	2,65,000
		Camera charges	1,64,050
	2.	Collection from souvenir sales	8,64,140
	3.	Rental income from guest house	48,300
	4.	Rental income from Kiosks	3,13,200
	5.	Animal adoption	89,100
	6.	Rental from electricity charges	28,630
	7.	Tender from sales	52,250
Total			₹38,028,075

	Sl No.	Source of Fund (2021-2022)	Receipt	Expenditure
Grants & Expenditure	1.	Dept. of Forest Govt. of West Bengal (Non Plan)	29,92,80,000	NIL
	2.	CZA fund	39,47,000	39,47,000
	3.	Veterinary fund	22,33,750	NIL
	4.	Non Plan	9,65,97,868	93525871.06
	5.	Corpus Research	16,41,791	NIL
	6.	Corpus development work	2,44,82,212	NIL
Total			₹4,03,70,04,09	₹9,74,728,71.06



13 Daily feed schedule OF ANIMALS

Sl. No	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
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	01 pc 300 gms 200 gms 50 ml 400 ml 05 kgs 200 gms Upon availability	1 pc 200 gms 500 gms 50 ml 500 ml 4kgs 200 gms Upon availability	No fasting day
2	Snow Leopard (<i>Panthera uncia</i>)	Beef Chicken Mutton	2.5 kgs 2.5 kgs 2.5 kgs	2.5 kgs 2.5 kgs 2.5 kgs	Thursdays
3	Himalayan Wolf (<i>Canis lupus himalayensis</i>)	Beef Chicken	1.5 kgs 1.5 kgs	1.5 kgs 1.5 kgs	Thursdays
4	Himalayan Tahr (<i>Hemitragus jemlachius</i>)	Crushed Maize Gram Crushed wheat Barley Salt Wheat Bran Pulses (Mung/Masoor soaked) Molasses Turmeric Green fodder	230 gms 65 gms 50 gms 120 gms 05 gms 130 gms 40 gms 50 gms 05 gms 08 kgs	180 gms 50 gms 40 gms 90 gms 5 gms 100 gms 30 gms - 20 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	130 gms 35 gms 25 gms 50 gms 03 gms 65 gms 20 gms 50 gms 05 gms 08 kgs	130 gms 35 gms 25 gms 60 gms 3 gms 70 gms 20 gms - 20 gms 8 kgs	No fasting day
6.	Markhor (<i>Capra falconeri</i>)	Crushed Maize Gram Crushed wheat' Barley	230 gms 65 gms 50 gms 120 gms	180 gms 50 gms 40 gms 90 gms	No fasting day

		Salt Wheat Bran Pulses (Moong/ masoor soaked) Molasses Turmeric Green fodder	05 gms 130 gms 40 gms 50 gms 05 gms 08 kgs	5 gms 100 gms 30 gms - 20 gms 8 kgs	
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 03 gms 65 gms 20 gms 50 gms 05 gms 08 kgs	130 gms 35 gms 25 gms 60 gms 3 gms 70 gms 20 gms - 20 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	230 gms 65 gms 50 gms 120 gms 05 gms 130 gms 40 gms 50 gms 05 gms 08 kgs	180 gms 50 gms 40 gms 90 gms 5 gms 100 gms 30 gms - 20 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	400 gms 100 gms 70 gms 230 gms 08 gms 200 gms 60 gms 50 gms 05 gms 40 kgs	300 gms 80 gms 50 gms 180 gms 8 gms 160 gms 48 gms - 20 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) Molasses Turmeric Green fodder	400 gms 100 gms 70 gms 230 gms 08 gms 200 gms 60 gms 50 gms 05 gms 40 kgs	300 gms 80 gms 50 gms 180 gms 8 gms 160 gms 48 gms - 20 gms 40 kgs	No fasting day
11.	Yak (<i>Bos grunniens</i>)	Crushed Maize Gram Crushed wheat' Barley	400 gms 100 gms 70 gms 230 gms	300 gms 80 gms 50 gms 180 gms	No fasting day

		Salt Wheat Bran Pulses (Moong/ masoor soaked) Molasses Turmeric Green fodder	08 gms 200 gms 60 gms 50 gms 05 gms 40 kgs	8 gms 160 gms 48 gms - 20 gms 40 kgs	
11.	Royal Bengal Tiger (<i>Panthera tigris</i>)	Beef Chicken	13 kg 13 kgs	12 kgs 12 kgs	Thursdays
12.	Common Leopard (<i>Panthera pardus</i>)	Beef Chicken Mutton	02 kgs 2.5 kgs 2.5 kgs	2 kgs 2 kgs 2 kgs	Thursdays
13.	Asiatic Black Bear (<i>Ursus thibetanus</i>)	Wheat chapati 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 Milk Molasses Boiled eggs	07 pcs 250gms 01 lts 02 pcs 250gms 01 kg 500 gms 250 ml 500 ml 250 gms 02pcs	200 gms 150 gms 1 lts 500 gms 200 gms 1kg 500 gms 50 ml 1000 ml - 1pc	
15.	Leopard Cat (<i>Prionailurus bengalensis</i>)	Beef Chicken	250 gms 250 gms	250 gms 250 gms	Thursdays
16.	Himalayan Palm Civet (<i>Paguma larvata</i>)	Banana Apple Mutton with mutton heart	200 gms 200 gms 150 gms	100 gms 100 gms 100 gms	Thursdays
17.	Asian Palm Civet (<i>Prionailurus hermaphrodites</i>)	Banana Apple Mutton with mutton heart	200 gms 200 gms 150 gms	100 gms 100 gms 100 gms	Thursdays

18.	Common Grey langur (<i>Semnopithecus entellus</i>)	Groundnuts Potato/tubers Green leafy vegetables, bamboo, Boiled egg Apple Banana Fodder leaves.	400gms 140 gms 300 gms 01pc 200 gms 200 gms	50 gms 100 gms 200 gms 1pc 100 gms 100 gms 400 gms	No fasting
19.	Slow loris (<i>Nycticebus bengalensis</i>)	Egg Banana with other seasonal fruits	01pc 150 gms	1pc 150 gms	No fasting
20.	Jungle cat (<i>Felis chaus</i>)	Beef Chicken	500 gms 500 gms	400 gms 400 gms	Thursdays

INDIGENOUS BIRD

Rose ring parakeet (*Psittacula krameria*)

Feed item	Quantity		Day of fasting
	Winter	Summer	
Crushed maize			No fasting
Onion	10 gms	10 gms	
Garlic	05 gms	5gms	
Green & leafy vegetables (lettuce, cabbage, leaves of radish, carrots, citrus fruits, turnip, spinach, mustard green, water cress, radish, carrot leaves and pumpkin etc).	05 gms 30 gms	5 gms 30 gms	
Mutton heart	20 gms	20 gms	
Wheat & paddy husk	30 gms	30 gms	
Boiled egg with shell	1/2 pc	1/2 pc	
Sattu Balls	10 gms	10 gms	
Meal worms if possible	15 each	15 each	

PHEASANTS

Cheer Pheasant (*Catreus wallichii*), Grey Peacock Pheasant (*Polyplectron bicalcaratum*), Kaleej Pheasant (*Lophura leucomelana*), Himalayan Monal (*Lophophorus impejanus*), Temminck's Tragopan (*Tragopan temminckii*), Red Jungle Fowl (*Gallus gallus*), Golden Pheasant (*Chrysolophus pictus*), Reeves Pheasant (*Syrmaticus reevesii*), Silver Pheasant (*Lophura nycthemea*) and Lady Amhrest (*Chrysolophus amherstia*).

Feed item	Quantity		Day of fasting
	Winter	Summer	
Crushed maize			No fasting
Onion	10 gms	10 gms	
Garlic	05 gms	5gms	
Green & leafy vegetables (lettuce, cabbage, leaves of radish, carrots, citrus fruits, turnip, spinach, mustard green, water cress, radish, carrot leaves and pumpkin etc).	05 gms 30 gms	5 gms 30 gms	
Mutton heart	20 gms	20 gms	
Wheat & paddy husk	30 gms	30 gms	
Boiled egg with shell	1/2 pc	1/2 pc	
Sattu Balls	10 gms	10 gms	
Meal worms if possible	15 each	15 each	

EXOTIC BIRDS

Scarlet Macaw (*Ara macao*), Blue and Yellow Macaw (*Ara ararauna*), Bare Eyed Cockatoo (*Cacotua sanguinea*), Sulphur Crested Cockatoo (*Cacotua sulphurea*) African Grey parrot (*Paittacus erithacus*), Cocktaiels (*Nymphicus hollandicus*) and Roseate Cockatoo (*Cacotua sulphurea*).

Groundnuts, soaked gram/pulses	25 gms	25 gms	No fasting
Tomato (Solid)	25 gms	25 gms	
Green Chilly (Solid)	05 gms	5 gms	
Crushed Maize	10 gms	10 gms	
Green & leafy vegetables (seasonally available)	10 gms	10 gms	
Apple	30 gms	30 gms	
Banana	25 gms	25 gms	
Kangni seeds	10 gms	10 gms	
Sunflower seeds	60 gms	60 gms	
Meal worms if possible	15 each	15 each	

REPTILES

Species	Feed item	Quantity		Day of fasting
		Winter	Summer	
Indian Rock Python (<i>Python molurus</i>).	Live broiler 800gms in 10 days	Hibernation	01 no	No fasting
	Albino mice every 10 days		02 nos	
Indian Sand Boa (<i>Erynx johnii</i>), Russell's Viper (<i>Daboia russelii</i>).	Day old chick every 10 days		02 nos	No fasting
	Albino mice every 10 days		02 nos	



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	Panleukopenia, Calcivirus, Herpesvirus, rabies Injection	Booster is given after 1 month
2	Ferret Distemper Purevax	Common Leopard, Royal Bengal Tiger, Leopard Cat, Jungle Cat	Canine Distemper	Booster given on 21st, 42nd 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, Canine paraifluenza, Leptospira canicola, Leptospira icterohaemorrhagiae	Booster is given after 1 month



15 DEWORMING SCHEDULE

of Animals

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

of Animals

SI 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. Glutraldehyde 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



17 HEALTH CHECK-UP OF *employees for Zoonotic diseases*

Could not be conducted the health check-up for the year 22-23. But annual prophylactic immunization against rabies was done for the zoo keepers.



18 DEVELOPMENT WORKS

carried out by the Park

Sl. No	Name of the work
1	Extension and repairing of staff quarters.
2	Extension and improvement of drop and pick-up point by extending the road along west Jawahar Road to avoid traffic jam.
3	Electric fencing at Tiger Enclosure.
4	Water proofing treatment of roof of Forest Rest House at PNHZ Park.
5	Construction of drain at Satellite Zoo, Dowhill CBC.
6	Repair and painting of Assistant Director cum Veterinary Officer Quarter.
7	Construction of 8 unit aviary at Satellite Zoo Dowhill CBC.



19 EDUCATION AND AWARENESS

programmes during the year 2022-23

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.

Sl. No	Name of the Institution	Trainees/ Students	No of Faculty/ Teachers	Total
1	Darjeeling Montessori House of Children	80	10	90
2	Government College of Education, Banipur	64	11	75
3	Berhampore Girl's College, Murshidabad	59	7	66
4	Dowhill Forest Academy	28	2	30
5	7 th Karnataka Forest Department	34	2	36
6	Forest Training Institute, Andaman & Nicobar Islands	25	4	29
7	Telangana State Forest Academy	35	2	37
8	Odisha Forest Ranger's College, Angul, Odisha	57	2	59
9	Forest Rangers Training, Himachal Pradesh	42	2	44
10	CASFOS, Burnihat	28	1	29
11	Conservation Training Institute, Meghalaya	19	1	20
12	Uttarakhand Forestry Training Academy	46	2	48
13	Karnataka Forest Academy	36	3	39
14	Karnataka Forest Academy	37	2	39
15	Serampore College, Barrackpore	17	4	21
16	Springdale Nursery School, Darjeeling	10	2	12
17	North Point School, Kalimpong	64	11	75
18	Berhampore Girl's College, Murshidabad	52	9	61
19	Sripat Singh College, Jiaganj, Murshidabad	28	2	30
20	A. B. N. Seal College, Cooch Behar	40	5	45
21	Sikkim Government College, Namchi	45	5	50
22	Kerala Agricultural University	98	4	102
23	Bal Yuwa Primary School, Kalimpong	36	7	43



i. One day awareness program on Himalayan Goral at Latpanchar, Mahananda Wildlife Sanctuary

PNHZ Park had organized one day awareness program on Himalayan Goral on 08.04.2022 to raise awareness about the importance of the species for the local people of Latpanchar. The program was inaugurated by the Deputy Director, PNHZP followed by a speech

from the AWLW, Mahananda Wildlife Sanctuary. The program consisted of the morphology, habitat, and a technical session on Himalayan Goral followed by a concluding speech from the Estate Officer, PNHZP, Darjeeling.



ii. Earth Day

Earth day is celebrated around the world every year on 22nd April. The theme of the Earth Day 2022 was 'Invest In our Planet'. This year the

park celebrated Earth Day by installing bird feeders (made up of mud pots) for wild birds on the tree branches around the zoo premises.



iii. Biodiversity Day

The International Day for Biological Diversity or World Biodiversity Day is celebrated every year on May 22nd internationally to promote biodiversity issues. This year the Secretariat of the Convention on Biological Diversity chose the

slogan: "Building a shared future for all life". On the occasion of Biodiversity day 2022 Padmaja Naidu Himalayan Zoological Park organized an 'Online slogan writing competition' for individuals of all age groups.

The event witnessed active participation. The submitted slogans were judged by the Director, PNHZP Dr. Basavaraj S. Holeyachi, IFS. The winners of the competition were awarded with prizes and certificates. The winning slogan of the competition was: “Harmonious co-existence with all life in nature will lead to a bright future”.



v. World Environment Day

“World Environment Day (WED)” was first celebrated on 5th June in 1974 under the slogan “Only one Earth”. Later the day has developed as a platform to raise awareness on the problems facing our environment such as air pollution, plastic pollution, illegal wildlife trade, sustainable consumption, sea-level increase, and food security, among others. PNHZ Park celebrated WED this year by organizing an “Extempore

Competition” for the students of STD XI & XII of local schools. The park had invited various schools to send in their students to participate in this program. So far and so on the program had seen active participation from the students which gave the idea that the world is changing and the youth is more enthusiastic about the conservation of our environment.



vi. International Yoga Day

International Yoga Day is celebrated on June 21st every year to spread awareness about the invaluable benefits of Yoga. The worldwide acceptance of Yoga is a matter of pride for us as

Yoga is an integral part of our cultural and spiritual heritage. This year on the occasion of 8th International Yoga Day PNHZ Park conducted a small yoga session for the staffs of the park.



vii. Celebration of Van Mahotsava (1st July to 7th July, 2022)

‘Van Mahotsav’ 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 1st July to 7th July. The Park concluded the last day of Van Mahotsav by planting various indigenous saplings around the zoo forest followed by cleanliness drive surrounding the zoo premises.



viii. Foundation Day Celebration

The Park celebrated its 64th Foundation Day on 14.08.2022. All staff of the Park gathered outside the Director’s residence at 9 am for the flag hoisting & singing of the zoo anthem. The Director, Assistant Director cum Veterinary

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



ix. Independence Day Celebration

The Park celebrated India's 76th Independence Day on 15.08.2022. All staff of the Park gathered outside the Director's residence at 9 am for flag hoisting. The Director, Assistant

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



x. 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 by 50 %. 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 was celebrated on 17th September.

Padmaja Naidu Himalayan Zoological Park, internationally renowned as a major government body to conserve these elusive species celebrates International Red Panda day every year to raise awareness among the students and the general public. On this occasion this year the park decided to conduct three days program from 15th October to 17th October. The list of the programs held on those days are as follows :

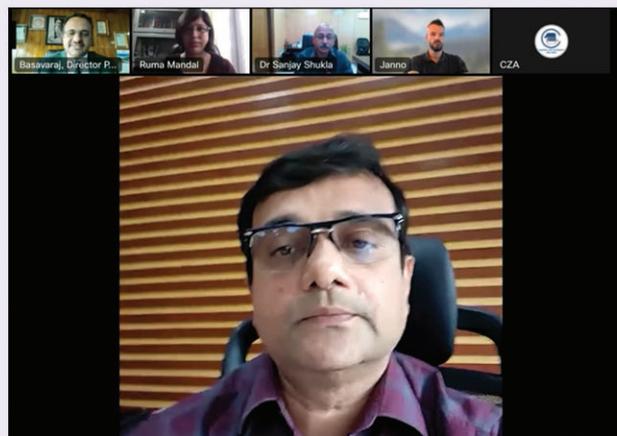
15th October (Thursday): The celebration started with an awareness program which was held for the students of local schools. 4 teams from Research & Education section visited several

schools and presented a seminar presentation on Red Panda followed up by a small educational video on Red Panda.



16th October (Friday): The park held an online webinar session on Red Pandas which was uploaded on you-tube platform of Central Zoo Authority. The webinar was inaugurated by Shri. Saurabh Chaudhury, IFS, Member Secretary, West Bengal Zoo Authority. The first speaker was Mr. Janno Weerman, European Endangered Species Program Coordinator and Global Species Management Plan Convenor for Red Panda, Rotterdam Zoo, Netherlands followed by a lecture of Mr. Sonam Tashi Lama, Program Coordinator, Red Panda Network Team, Kathmandu, Nepal. The program ended with a deliberate speech from the Director, Dr. Basavaraj

S. Holeyachi, PNHZP, Darjeeling followed by an ending note by Dr. Sanjay Shukla, IFS, Member Secretary, Central Zoo Authority.



17th October (Saturday): The last day of International Red Panda Day was celebrated by organising a photography exhibition in collaboration with Darjeeling Photographic Society. The exhibition started at 11:00 am and inaugurated by Shri. Shiromoni Syangden, Estate

Officer, PNHZP. It was held inside the conference hall of Bengal Natural History Museum and was open for all day. Several exclusive photographs of Red Panda and its habitat was displayed for the visitors.



xi. Children's Day Celebration

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. The park exempted entry fee for all the students visiting from different schools & colleges.



xii. One day workshop on Captive Nutrition

Padmaja Naidu Himalayan Zoological Park in collaboration with North Bengal Wild Animals Park, Siliguri conducted a one day workshop on Captive Nutrition on 22.12.22 at NBWAP, Siliguri. The workshop focused on proper nutrition of captive animals & birds involving Zoo Directors, Veterinarians, Zoo Biologists, Researchers and

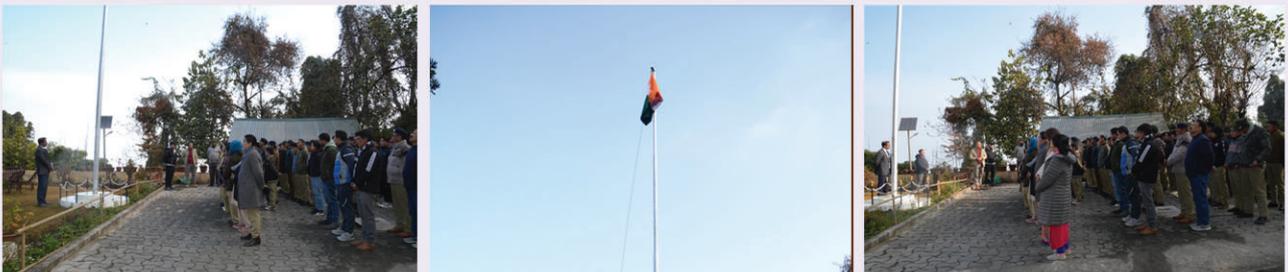
animal keepers. A lecture was delivered by animal nutrition expert, Dr. Asit Das, Principal scientist, Indian Veterinary Research Institute. The program was highly successful involving a thorough deliberation on Captive nutrition for zoos.



xiii. Republic Day

The Park celebrated India's 74th Republic Day on 26.01.2023. All staff of the Park gathered outside the Director's residence at 9am for flag hoisting. The Director, Assistant director cum

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



xiv. World Wildlife Day Celebration

Every year 3rd March is celebrated as World Wildlife Day to raise the awareness of issues that impact wildlife. The theme of United Nations World Wildlife Day 2023 was 'Partnership for Wildlife Conservation' with the goal of honouring those who are making a difference in protecting the world's flora and fauna. On this occasion the park organised a bird watching activity around

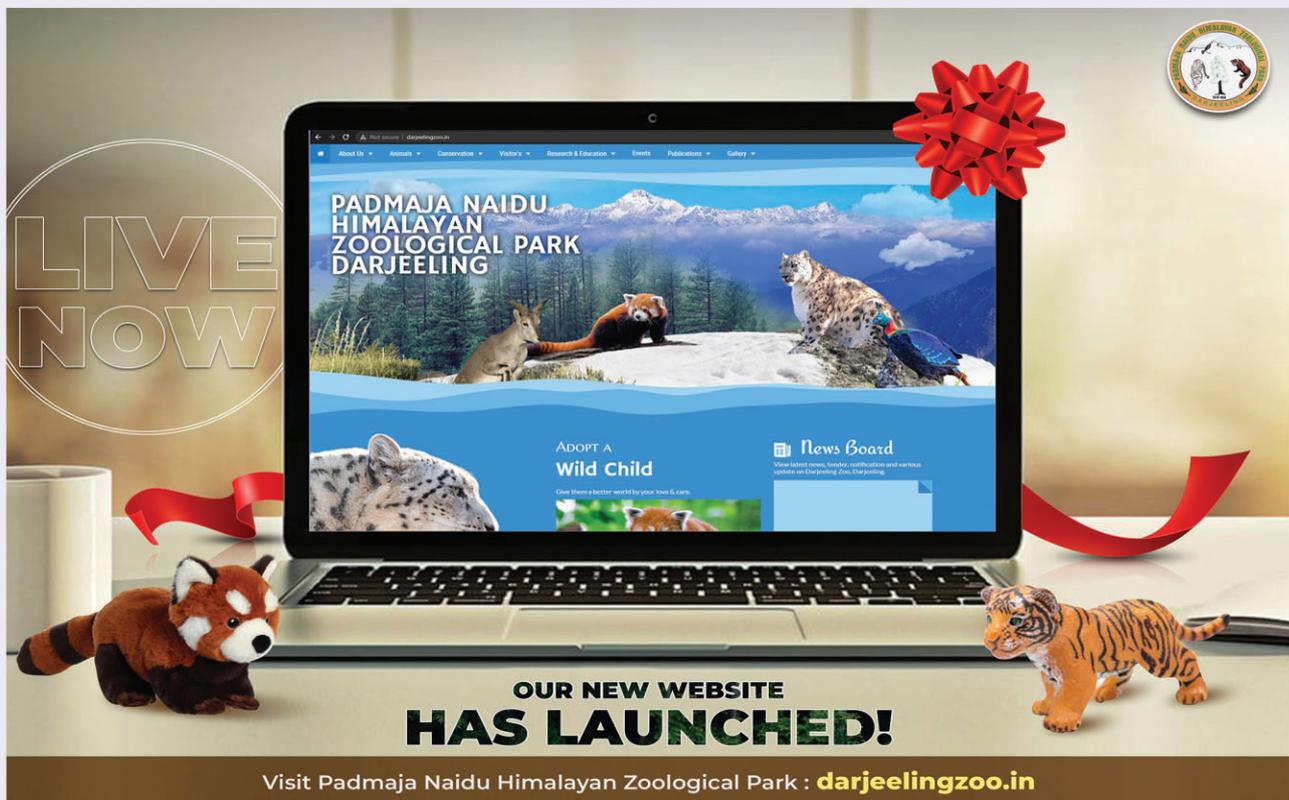
the zoo premises in collaboration with World Wide Fund for Nature (WWF), Darjeeling. The park invited young bird watching enthusiasts from St. Joseph's College and zoo staffs. With the guidance of experts from WWF, the participants and zoo staffs were enriched and were able to spot 21 species of birds around the zoo premises.



20 LAUNCHING OF NEW WEBSITE of PNHZ Park

The park launched its New Website “www.darjeelingzoo.in”. The website was launched by the Hon'ble Principal Chief Conservator of Forests & Head of Forest Force, West Bengal, Shri. Soumitra Dasgupta, IFS on

07.11.2022 in presence of Shri. Saurav Chaudhry, IFS Member Secretary, West Bengal Zoo Authority, Dr. Basavaraj S. Holeyachi, IFS Director PNHZP and other officers and staffs of PNHZP.



21 INAUGURATION OF VETERINARY UNIT, Topkeydara & Research's Barrack

On 08.11.2022 the Hon'ble Principal Chief Conservator of Forests & Head of Forests Force, West Bengal, Shri. Soumitra Dasgupta, IFS inaugurated the new veterinary instrumental lab unit at PNHZP, a new veterinary unit at

Topkeydara and a new researchers barrack at Topkey dara in presence of Shri. Saurav Chaudhry, IFS Member Secretary, West Bengal Zoo Authority, Dr. Basavaraj S. Holeyachi ,IFS Director PNHZP and other officers and staffs of PNHZP.



22 INAUGURATION OF HANDBOOK ON PARASITIC AND HAEMATOLOGICAL

studies on the animals housed in PNHZ Park

On 29.12.2022, books on Parasite and Haematological studies and handbooks on both were released by Hon'ble Minister in Charge, Forest affairs, Non-Conventional & Renewable Energy, Shri Jyotipriya Mallick; Hon'ble Mayor Siliguri Municipal Corporation, Shri Goutam Deb, in the presence of Hon'ble Principal Chief Conservator of Forests & Head of Forest Force,

West Bengal; Principal Chief Conservator of Forests & Chief Wildlife Warden, West Bengal; Member Secretary, West Bengal Zoo Authority and other senior officers. These publications are the outcome of in-house research of PNHZ Park on Parasites and Haematology of captive animals and birds.



23 STAFF RETIREMENT

in PNHZ Park

i. On 30th June 2022, Shri. Purna Ghishing, Animal Supervisor, retired after 38 years of service. The park conducted a small farewell function to bid goodbye and honour Shri. Purna Ghishing for his dedication and contribution towards animal welfare. The function was attended by all members of the staff including the

Director, Dr. Basavaraj S. Holeyachi, IFS who along with other officials appreciated Shri. Purna Ghishing for his service and honoured him by presenting him with a gold ring. The program ended with a group photo of all the staff followed by lunch.



ii. On 2nd March 2023, Shri. Deepak Roka, Assistant Animal Supervisor, retired after 38 years of service. The park conducted a small farewell function to bid goodbye and honour, Shri. Deepak Roka for his dedication and contribution towards animal welfare. The function was attended by all

members of the staff including the Director, Dr. Basavaraj S. Holeyachi, IFS who along with other officials appreciated, Shri. Deepak Roka for his service and honoured him by presenting him with a gold ring. The program ended with a group photo of all the staff followed by lunch.



24 VISIT OF DIGNITARIES

& their valuable comments

Sl. No	Date	Name	Address	Remarks
1	06.08.2022	Mr. Saibal Dasgupta, IFS (R)	E. Member, NGP EZ, Kolkata	A wonderful & memorable experience. The Darjeeling Zoo has added a lot of variety including conservation prog. of Snow Leopard & Red Panda. Visit to HMI & the Museum adds to the pleasure of being within the sylvan surroundings. The museum is very well managed & developed. Congratulations to the Director & the staff for the good work.
2	17.11.2022	Mr. Sandeep Sundriyal, PCCF, General, WB	Kolkata	PNHZP had demonstrated exceptional technical expertise in zoo management & conservation breeding combined with re-introduction in wild of Red Panda. New vet facility, research and future plans, all combined reflect its position to the best zoo in the country as global standard. Best wishes to Director, PNHZP and all staff.
3	07.11.2022	Mr. Soumitra Dasgupta, IFS	PCCF HoFF, WB	Really impressed with the work that is going on in the zoo. It has been deservedly given the status of the best zoo in the country. The staffs, researchers and the officials are doing excellent job.
4	11.11.2022	Ms. Sumita Ghatak & Ms. Lipika Ray	CCF/MIS & e-Governance/WB & CCF/PGLI?WB	-



Visit of Mr. Saibal Dasgupta, IFS on 06.08.2022



Visit of Mr. Soumitra Dasgupta, IFS, PCCF & HoFF, WB on 07.11.2022



Visit of Mr. Sandeep Sundriyal, IFS, PCCF General, WB on 17.11.2022

25 RESEARCH WORK

carried out and publications

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	The project was initiated in January 2022 and has been temporarily kept at halt.	Release and post release monitoring of Himalayan goral in Mahananda wildlife Sanctuary.
5	Director Padmaja Naidu Himalayan Zoological	Padmaja Naidu Himalayan Zoological Park, Darjeeling.	The project was initiated in September, 2021 and is ongoing.	Studies on Population and Behavioural Ecology of Red Panda in Neora Valley National Park in West Bengal.
6	Director Padmaja Naidu Himalayan Zoological Park	Padmaja Naidu Himalayan Zoological Park, Darjeeling.	The project was initiated in February 2022 and is ongoing.	Conservation breeding and release of Red Jungle Fowl.

26 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.
- Bedding materials like blankets and straw provided for all the reptiles. Reptile house closed for the visitors.
- 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.

27 ADOPTION

at PNHZP

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 of Adopter	Address	Animal Adopted	Duration
1.	Anish Bhattacharya	13, Sen Garden, Haltu, Kolkata,700078	Cockatiel	23 rd September 2022 to 22 nd September 2023
2.	Satyakam Chettri	Darjeeling, 11/12 lebung cart road, Chettri Niwas	Himalayan Newt	29th September 2022 to 28 th September 2023
3.	Anindya Mookherjee	13 Tara Road, 2nd Floor, Kolkata- 700026	Snow Leopard	15th November, 2022 to 14 th November 2023
4.	Naba Bikas	Puranhut, Burnpur, Paschim burdawan,	Red Panda	1 st December 2022 to 31 st December 2022
5.	Arjama Dasgupta	23/24, K.N. Sen Road, Kolkata-700028	Reeves Pheasant	4th January, 2023 to 3 rd January 2024
6.	Dr. Priyankar Shanpui	66, Garfa manashatala lane, Kolkata- 75	Temminck's Tragopan	6th March 2023 to 5 th March 2024
7.	Dr. Priyankar Shanpui	66, Garfa manashatala lane, Kolkata- 75	Himalayan Newt	6th March 2023 to 5 th March 2024



28 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

YEAR	SEX RATIO/TOTAL BIRTH						
	M	F	U	Total birth	M	F	Total survivability
1986-1991	0	2	2	4	0	0	0
1992-1996	6	3	1	10	1	2	3
1997-2001	8	5	0	13	1	2	3
2002-2006	11	7	1	19	5	4	9
2007-2013	6	4	0	10	0	1	1
2014-2019	2	1	0	3	1	0	1
2020-2021	5	4	0	8	2	1	3
2022-present	3	3	1	7	3	3	6
Total	41	29	5	74	13	13	26

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 Gairibas, 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. Currently the animals are being monitored and tracked by researchers.

- 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 and 2:2 Red Panda were selected for release at NVNP. The selected animals to be released at SNP have been shifted to Conservation Breeding Centre, PNHZ Park. They will be shifted to the Soft release facility at Gairibas for further acclimatization.

Sl. No	NAME	SEX	SIRE	DAM	DT OF ACQ	DOB
01	Tuhin	M	Satvik	Sunita	Captive Born	04.06.2022
02	Swati	F	Satvik	Sunita	Captive Born	04.06.2022
03	Prabhu	M	Kimbu	Prashana	Captive Born	13.06.2022
04	Piku	F	Kimbu	Prashana	Captive Born	13.06.2022
05	Dilip	M	Pabu	Karma	Captive Born	30.06.2022
06	Pratham	F	Pabu	Karma	Captive Born	30.06.2022

New Born Red Pandas as on 31st March 2023

29 REINTRODUCTION PROGRAMME

i. Two pairs (2:2) of Himalayan Goral (Naemorhedus goral) and ten pairs of Red Jungle Fowl (Gallus gallus) (10:10) from Padmaja Naidu Himalayan Zoological Park (PNHNP) were released in Mahananda Wildlife Sanctuary on 30.12.2022 by the Hon'ble Minister in Charge, Forest affairs, Non-Conventional & Renewable Energy, Shri Jyotipriya Mallick and in the presence of Shri. Soumitra Dasgupta, IFS Hon'ble Principal Chief Conservator of Forests & Head of Forest Force, West Bengal; Shri. Debal Ray, IFS Principal Chief Conservator of Forests & Chief Wildlife Warden, West Bengal; Shri. Saurav Chaudhry, IFS

Member Secretary, West Bengal Zoo Authority, Shri. Ujjwal Ghosh, IFS Additional Principal Chief Conservator of Forests, North Bengal; Shri. Rajendra Jakher ,IFS CCF Wildlife North, Dr. Basavaraj S. Holeyachi ,IFS Director PNHNP, Shri. Viswanath Pratap N. IFS DFO, Darjeeling Wildlife Division, Shri. Harikrishnan P. J. IFS DFO, Kurseong Division , Dr. Joy Dey, ADVO PNHNP, Shri. Shiromani Syangden, Estate Officer PNHNP and other officials of PNHNP. This is the second time that the park has released Himalayan Goral (Naemorhedus goral) and Red Jungle Fowl (Gallus gallus) into the wild.



Release of Red Jungle Fowl & Himalayan Goral at Mahananda Wildlife Sanctuary on 30.12.2022

ii. Three females (0:3) Red Panda namely Nira, Tista and Numa from PNHNP were released in the Soft Release Facility at Gairibans, Singalila National Park on 08.12.2022 in presence of Shri. Rajendra Jakher, CCF Wildlife North, Dr. Basavaraj S. Holeyachi ,Director PNHNP, Shri. Pankaj Suryawanshi, IFS DFO, Darjeeling Division Forest, Shri. Viswanath Pratap N. IFS DFO, Darjeeling Wildlife Division, Shri. Harikrishnan P. J. IFS DFO,

Kurseong Division and officials & staffs of PNHNP. The animals will be kept at this facility for over a period of two months approximately for acclimatization so that the animals acclimatizes to the natural habitat and feed before the final release. The Park has earlier successfully released captive red pandas in Singalila National Park in 2004 and January, 2022.



Release of Red Panda in Soft Release Facility in Gairibans, Singalila National Park on 08.12.2022

iii. One female Red Panda named Numa which was released in the soft release facility at Gairibans Singalila National Park on 08.12.2022 were finally released from the soft release facility at Gairibans into the wild in presence of the

Director, PNHZP Dr. Basavaraj S. Holeyachi, IFS, Director, and, Dr. Joy Dey, ADVO PNHZP, Shri. Shiromani Syangden, Estate Officer PNHZP and staffs of PNHZ Park on 03.02.2023.



Final release of Red Panda in at Gairibans, Singalila National Park on 03.02.2023



30 ANIMAL ACQUISITION / TRANSFER / EXCHANGE

during the year 2022-2023

A Animals arriving in the Zoo				
Sl.No.	Species	Number (M: F)	From which Zoo	Date of arrival in the zoo
01.	Royal Bengal Tiger (<i>Panthera tigris tigris</i>)	1:0:0	North Bengal Wild Animal Park, Siliguri.	15.11.2022
02.	Yak (<i>Bos grunniens</i>)	1:1:0	Donated by Mr. Rinzi Sherpa from Gurungdum village, near Rimbick, Darjeeling	22.11.2022

B Animals transferred from the Zoo				
Sl. No.	Species	Number (M: F:U)	Going to which Zoo	Date of deposition from the zoo
01.	Asiatic Black Bear (<i>Ursus thibetanus</i>)	0:1:0	North Bengal Wild Animal Park, Siliguri.	16.07.2022
02.	Leopard Cat (<i>Prionailurus bengalensis</i>)	1:1:0	North Bengal Wild Animal Park, Siliguri.	16.07.2022
03.	Red Panda (<i>Ailurus fulgens fulgens</i>)	0:3:0	Soft Release Facility, Singalila National Park, Gairibans	08.12.2022
04.	Himalayan Goral (<i>Nemorhaedus goral</i>)	2:2:0	Mahananda Wildlife Sanctuary	30.12.2022
05.	Red Jungle Fowl (<i>Gallus gallus</i>)	10:10:0	Mahananda Wildlife Sanctuary	30.12.2022
06.	Himalayan Tahr (<i>Hemitragus jemlahicus</i>)	1:0:0	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar	12.01.2023
07.	Mishmi Takin (<i>Budorcas taxicolor taxicolor</i>)	0:2:0	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar	12.01.2023
08.	Himalayan Goral (<i>Nemorhaedus goral</i>)	2:2:0	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar	12.01.2023
09.	Red Jungle Fowl (<i>Gallus gallus</i>)	2:2:0	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar	12.01.2023
10.	Red Panda (<i>Ailurus fulgens fulgens</i>)	0:1:0	Final release at Singalila National Park, Gairibans	03.02.2023
11.	Golden Pheasant (<i>Chrysolophus pictus</i>)	2:2:0	Balasaheb Thackeray Gorewara International Zoological Park, Nagpur, Maharashtra	19.02.2023
12.	Silver Pheasant (<i>Lophura nycthemera</i>)	2:2:0	Balasaheb Thackeray Gorewara International Zoological Park, Nagpur, Maharashtra	19.02.2023
13.	Red Jungle Fowl (<i>Gallus gallus</i>)	2:2:0	Balasaheb Thackeray Gorewara International Zoological Park, Nagpur, Maharashtra	19.02.2023

31 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	Action taken	
				Date and Place of rehabilitation in their habitat	Reasons for housing in the zoo, if not released in their habitat
PNHZ Park did not rescue and rehabilitate wild animals in the year 22-23					



32 ANNUAL INVENTORY REPORT

of PNHZP (01st April 2022 to 31st March 2023)

Endangered species (Schedule I and II)																										
Sl. No	Animal Name	Scientific Name	Opening stock on 01.04.2022				Births			Acquisitions			Disposals			Deaths			Closing Stock on 31.03.2023							
			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	0	0	0	0	0	0	0	0	0	2	2	0	4		
2	Pheasant Grey Peacock	<i>Polyplectron bicalcaratum</i>	1	2	0	3	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>	6	1	0	7	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	0	8
4	Pheasant Monal	<i>Lophophorus impejanus</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
5	Tragopan Temminck's	<i>Tragopan temminckii</i>	6	15	0	21	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6	17	0	23
Total Birds			16	22	0	38	0	0	8	0	0	0	0	0	0	0	0	0	0	2	6	0	14	24	0	38
Mammals																										
1	Bear Himalayan Black	<i>Ursus thibetanus</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
2	Cat Jungle	<i>Felis chaus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
3	Cat Leopard	<i>Prionailurus bengalensis</i>	5	3	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	0	6
4	Civet Himalayan Palm	<i>Paguma larvata</i>	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
5	Civet Common Palm	<i>Paradoxurus hermaphrodites</i>	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3

Reptile/ Amphibian		Other Species (Schedule III and IV)																							
Sl. No	Animal Name	Scientific Name	Opening stock on 01.04.2022				Births			Acquisitions			Disposals			Deaths			Closing Stock on 31.03.2023						
			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	0	0	0	0	0	0	1	0	1	
2	Viper Russells	<i>Dabola russellii</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
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	0	0	0	0	0	0	7	8	37	52
TOTAL ANIMALS			81	92	37	210	5	2	19	2	1	0	2	5	0	7	15	0	0	0	0	84	89	37	210

Sl. No	Animal Name	Scientific Name	Opening stock on 01.04.2022				Births			Acquisitions			Disposals			Deaths			Closing Stock on 31.03.2023						
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T			
1	Red Jungle Fowl	<i>Gallus gallus</i>	20	26	5	51	0	0	32	0	0	0	14	14	0	0	1	6	0	1	21	27	0	48	
2	Parakeet Rose Ring	<i>Psittacula krameri</i>	0	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5
Total Birds			20	26	10	56	0	0	32	0	0	0	14	14	0	0	1	6	0	1	21	27	0	53	
Mammals																									
1	Deer Barking	<i>Muntiacus muntjak</i>	5	3	0	8	1	0	0	0	0	0	0	0	0	0	1	1	0	0	5	2	0	7	
2	Deer Sambar	<i>Rusa unicolor</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3	
3	Goral Himalayan	<i>Naemorhedus goral</i>	17	14	0	31	6	3	0	0	0	4	4	0	4	0	2	4	0	0	15	11	0	26	
Total mammals			23	19	0	42	7	3	0	0	0	4	4	0	4	0	3	5	0	0	21	15	0	36	
1	Sand Boa	<i>Eryx johnii</i>	1	0	4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	4	
Total Reptile			1	0	4	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	4	
TOTAL ANIMALS			44	45	14	103	7	3	32	0	0	18	18	0	11	4	1	43	45	5	93				

Sl. No		Exotic Species																				
		Animal Name	Scientific Name	Opening stock on 01.04.2022			Births			Acquisitions			Disposals			Deaths			Closing Stock on 31.03.2023			
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
1	Cockatiel	0	0	7	7	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	11	11
2	Bare Eyed Cockatoo	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2
3	Sulphur Crested Cockatoo	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
4	Roseate Cockatoo	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
5	Red and Blue Macaw	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2
6	Blue and Gold Macaw	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3
7	African Grey Parakeet	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
8	Golden Pheasant	13	29	0	42	0	0	23	0	0	0	2	2	0	1	0	0	22	38	0	60	
9	Lady Amhrest Pheasant	14	9	1	24	0	0	3	0	0	0	0	0	0	1	0	0	16	10	0	26	
10	Reeves Pheasant	0	6	0	6	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	3
11	Silver Pheasant	13	14	10	37	0	0	17	0	0	0	2	2	0	0	0	0	20	25	5	50	
Total exotic birds		46	63	18	127	0	0	47	0	0	0	4	4	0	2	3	0	64	81	16	161	
GRAND TOTAL		171	200	69	440	12	5	98	2	1	0	24	27	0	20	22	1	191	215	58	464	

DIRECTOR

33 MORTALITY OF ANIMALS

(01st April 2022 to 31st March 2023)

Sl No	Date of death	Animal	Name	Date of birth	Age	Sex	No	Cause of Death
1	25.04.2022	Pheasant Monal			9 months 23 days	F	1	Due to pneumonia
2	23.04.2022	Red Jungle Fowl		21.03.2022	1 month 2 days	U	1	Due to ill nursing
3	19.04.2022	Civet Common Palm	Ajay	15.06.2018	3 years 10 months 01 day	M	1	Due to pneumonia
4	25.04.2022	Tahr Himalayan	Niharika	03.05.2017	4 years 11 months 22 days	F	1	Cardio-respiratory failure from trauma due to fracture of atlanto-axial joint and several spinal cord from dashing
5	27.04.2022	Reeves Pheasant			8 years	F	1	Due to old age related respiratory infection
6	09.05.2022	Snow Leopard	Yeshmin	25.05.2004	17 years 11 months 14 days	F	1	Tentatively respiratory failure due to senility
7	21.05.2022	Himalayan Tahr	Nehar	23.04.2022	28 days	M	1	Due to aspiration pneumonia
8	21.05.2022	Reeves Pheasant	unnamed	21.05.2018	4 years	F	1	Internal haemorrhage due to dashing
9	22.05.2022	Himalayan Goral	Kapil	12.04.2020	2 years 1 month 20 days	M	1	Due to Listeriosis
10	09.06.2022	Markhor	Sweacha	12.05.2021	1yr 28 days	F	1	Due to acute pneumonia
11	23.06.2022	Himalayan Tahr	Sarojia	03.05.2018	4yrs 24 days	F	1	Due to metritis from dead bloated foetus of two days.
12	05.06.2022	Tragopan Temminick's	L-014	05.06.2015	7 yrs	F	1	Hepatitis

13	12.07.2022	Himalayan Wolf	Dolma	02.04.2010	12 years 3 months	F	1	Due to neoplastic growth in oral cavity.
14	15.07.2022	Himalayan Tahr	Unnamed	17.06.2022	28 days	F	1	Due to traumatic injury due to trampling.
15	02.07.2022	Markhor	Srijana	08.05.2021	1 year 25 days	F	1	Due to acute tympanites.
16	01.08.2022	Markhor	Varun	24.04.2022	3 months 7 days	M	1	May be due to pneumonia
17	28.08.2022	Markhor	Abhinav	24.04.2022	4 months 6 days	M	1	Tentatively due to pneumonia
18	03.09.2022	Markhor	Sashi		4 months 9 days	M	1	Tentatively due to severe eimeria infection
19	10.09.2022	Red Jungle Fowl		05.05.2017	5 years 4 months	M	1	Tentatively due to arpergillosis
20	11.09.2022	Red Jungle Fowl		20.08.2022	52 days	M	1	Tentatively due to neckstic enteritis
21	10.09.2022	Red Jungle Fowl		20.08.2022	52 days	F	1	Tentatively due to neckstic enteritis
22	10.09.2022	Red Jungle Fowl		20.08.2022	52 days	F	1	Tentatively due to neckstic enteritis
23	14.09.2022	Temminck's Tragopan		14.06.2022	3 months 2 days	F	1	Death due to CR failure from dashing
24	16.09.2022	Reeves Pheasant		14.05.2022	6 years 4 months 2 days	F	1	Death due to CR failure from dashing
25	22.09.2022	Red Jungle Fowl		21.03.2022	6 months	U	1	Tentatively due to CR failure from traumatic injury caused by predation
26	26.09.2022	Golden Pheasant		10.06.2022	3 months 10 days	U	1	Death due to haemorrhagic enteritis
27	29.09.2022	Lady Amherst Pheasant	LB-157	07.07.2018	4 years 2 months 22 days	M	1	Tentatively from hypovolumic shock due to predation

28	07.10.2022	Himalayan Goral	Viraj	23.11.2021	11 months 27 days	M	1	Tentatively due to acute tympanites preceded by Pneumonia.
29	19.10.2022	Sand Boa	Unnamed	Unknown	Unknown	F	1	Tentatively due to Hepatitis.
30	14.11.2022	Red Jungle Fowl	Unnamed	12.02.2016	6 years 9 months 2 days	M	1	Cardio-respiratory failure due to dashing.
31	02.12.2022	Barking Deer	Manoj	31.01.2020	2 years 2 months 3 days	M	1	Tentatively due to captive myopathy leading to CR failure.
32	23.12.2022	Barking Deer	Charu	09.08.2008	14 years 4 months 14 days	F	1	Due to acute tympanites
33	17.01.2023	Pheasant Grey Peacock	LB-147	22.04.2010	12 years 8 months 25 days	M	1	Due to dashing leading to cardio- respiratory failure.
34	17.01.2023	Red Panda	Rigsel	28.05.2007	15 years 7 months 15 days	F	1	Death may be due to pneumonia aggravated due to old age.
35	23.01.2023	Pheasant Grey Peacock	Unnamed	23.06.2018	4 years 7 months	F	1	Due to cerebral haemorrhage from fighting.
36	27.01.2023	Blue Sheep	Sunidhi	15.07.2022	6 months 12 days	F	1	Due to cardiac shock.
37	27.01.2023	Temminck's Tragopan	Unnamed	18.05.2018	4 years 8 months 9 days	F	1	May be due to enteritis.
38	18.02.2023	Himalayan Goral	Sima	01.02.2023	17 days	F	1	Death may be due to acute urinary retention.
39	24.02.2023	Himalayan Goral	Simba	18.07.2003	19 years 7 months 6 days	F	1	Deat may be due to senility relatede to multi organ failure.
40	25.02.2023	Himalayan goral	Archan	31.01.2023	25 days	M	1	Death may be due to starvation related to illnursing
41	19.03.2023	Kalij Pheasant	-	10.06.2015	7 years 9 months 9 days	M	1	Death due to hypo volumic shock tentatively due to dashing.
42	23.03.2023	Temminck's Tragopan	LB 277	11.04.2016	6 years 10 months	F	1	Death may be due to dashing.
43	27.03.2023	Himalayan Goral	Diwas	25.01.2023	2 months 2 days	M	1	Death due to pneumonia



Dr Joy Dev
Assistant Director cum Veterinary Officer PNHZ
Park

33 DARJEELING ZOO IN NEWS

Six cheers for red panda newborns at hill zoo

Highest birth rate of endangered species in one year in Darjeeling



Mother Surita with her newborn, which is one of the six red panda cubs at the Darjeeling zoo

Sourced by The Telegraph

millenniumspice 14 Jun 2022

North Bengal to get 3 modern vet hospis

on construction

ALPURA: Plans for hospitals at the Alipore Zoo in Darjeeling, the Koozeburi Zoo in Koozeburi and the Patkote Zoo in Patkote are under way. The three modern veterinary hospitals will be equipped with state-of-the-art medical facilities.

The Alipore Zoo has also been ranked second among all zoos in the country across all categories while Alipore Zoological Gardens in Kolkata is fourth on the overall list. The Alipore zoo has also ranked second among all zoos in the country across all categories while Alipore Zoological Gardens in Kolkata is fourth on the overall list. The Alipore zoo has also ranked second among all zoos in the country across all categories while Alipore Zoological Gardens in Kolkata is fourth on the overall list.

15 Jun 2022

Darjeeling zoo first in country, Calcutta fourth

NEW DELHI: The Darjeeling Zoo in West Bengal has been ranked first among all zoos in the country across all categories in the annual survey conducted by the Central Zoo Authority (CZA). The zoo's success is attributed to its advanced infrastructure, including modern veterinary facilities and a focus on conservation and breeding programs. Calcutta Zoo is ranked fourth.

17 Jun 2022

Darjeeling zoo best in country, Alipore ranks fourth on nat'l list

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HOME / NEWS / CITIES / KOLKATA

Re-wilding red pandas: Darjeeling zoo attempts country's first augmentation of endangered mammal in the wild

July 09, 2022 10:19 pm | Updated July 10, 2022 08:51 pm IST - Darjeeling

Singalila National Park launches programme that aims to release about 20 red pandas in a period of five years

SHIV SAMBY SINGH



Kolkata Edition

14 Sep 2022

Darjeeling Zoo adjudged best zoo among all categories

AMITAVA BANERJEE

DARJEELING: There is reason enough to be proud. The Darjeeling Zoo in West Bengal has been adjudged the best zoo among all categories of Zoos in the country in the National Zoo Directorate's annual survey. The zoo's success is attributed to its advanced infrastructure, including modern veterinary facilities and a focus on conservation and breeding programs.

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HOME / SCI-TECH / ENVIRONMENT

Indian zoos: the good, bad and ugly

December 02, 2022 10:22 am | Updated December 05, 2022 04:17 pm IST

One has been feted for breeding endangered red pandas this year, while in others, tigers and leopards show acute stress. The debate on zoos is a distinctly polarised one

DIVYA GANDHI



Humboldt penguins at the Mumbai zoo. | Photo Credit: Emmanual Yogni

15 Jun 2022

Darjeeling Zoo Welcomes 5 Snow Leopard Cubs

With the arrival of the five cubs, the population of snow leopards at the Padmaja Naidu Himalayan Zoological Park in Darjeeling rose to 14, officials said.



Padmaja Naidu Himalayan Zoological Park welcomes five adorable snow leopard cubs in Darjeeling

17 Jun 2022

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Padmaja Naidu Himalayan Zoological Park welcomes five adorable snow leopard cubs in Darjeeling

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Padmaja Naidu Himalayan Zoological Park welcomes five adorable snow leopard cubs in Darjeeling

17 Jun 2022

Darjeeling Zoo welcomes 5 newborn snow leopard cubs

Kolkata (West Bengal) [India], May 23 (ANI): The Padmaja Naidu Himalayan Zoological Park (PNHZ) in Darjeeling of West Bengal has welcomed as many as five newborn Snow Leopard cubs, the officials said on Tuesday. After this addition, the number of Snow Leopards in this zoological park has increased to 14, the official added.

#WATCH | [..]

ANI

24 May 2022 12:20 AM IST

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Snow Leopard in Darjeeling Zoo | PT-File Photo

34 LIST OF FREE LIVING WILD

animals and birds within the zoo premises

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 Yellownappe
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-barred 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 Owllet
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