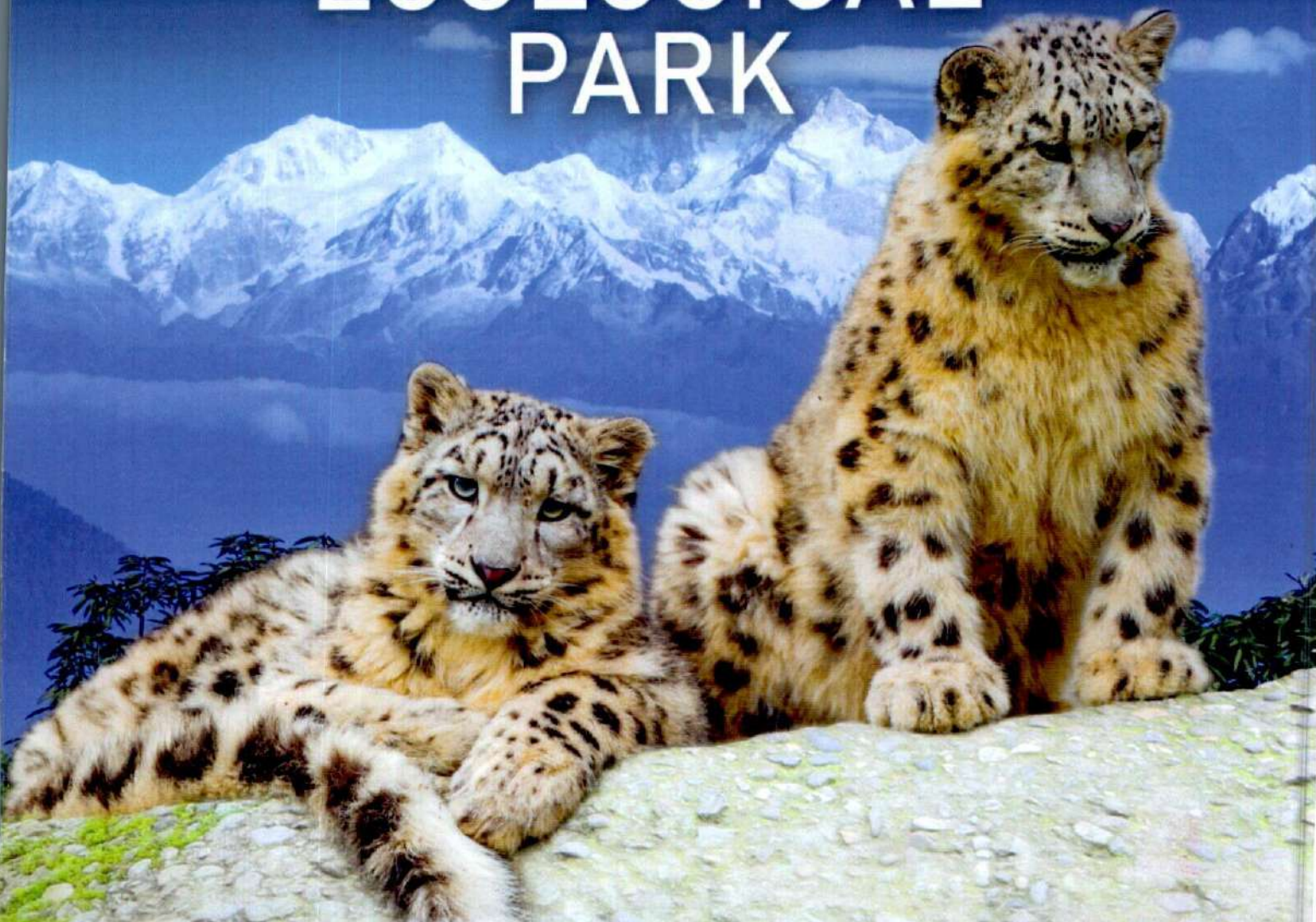


# PADMAJA NAIDU HIMALAYAN ZOOLOGICAL PARK



**2021-22**  
**ANNUAL REPORT**

# GUIDE MAP (Main Display Zone)



# Content

NO.	SECTION	NUMBER
01	Report of the Officer-in-Charge	01
02	History of the Zoo	02
03	Vision	05
04	Mission	05
05	Objective	06
06	About us	07
07	Organizational Chart	09
08	Human Resources	10
09	Capacity Building of the Zoo Personnel	12
10	Zoo Advisory Committee	13
11	Health Advisory Committee	14
12	Statement of Income and Expenditure of the Zoo	15
13	Daily Feed Schedule of Animals	16
14	Vaccination Schedule of Animals	22
15	De-worming Schedule of Animals	23
16	Disinfection Schedule	24
17	Health Check-up of Employees for Zoonotic diseases	25
18	Development Works carried out in the Zoo during the year	26
19	Education and Awareness Programmes during the year	29
20	Important Events and Happenings in the Zoo	30
21	Seasonal special arrangements for upkeep of Animals	41
22	Research Work carried out and Publications	42
23	Reintroduction Programme	44
24	Final release of Red Panda at Gairibans, Singalila National Park	45
25	Adoption	46
26	Conservation Breeding Programme of the Zoo	47
27	Animal Acquisition / Transfer / Exchange during the year	51
28	Rescue and Rehabilitation of the Wild Animals carried out by the Zoo	53
29	Annual Inventory of Animals	54
30	Mortality of Animals	59
31	Status of the Compliance with conditions stipulated by the Central Zoo Authority	63
32	List of free-living Wild Animals within the Zoo premises	66

# 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. This year four behaviourally & genetically competent zoo Red Pandas were reintroduced into Singalila National Park after a gap of nearly two decades. The entire process (from selection of animals, selection of collars, behaviour studies, monitoring) was done in a very scientific and systematic manner. For the first time in the state of West Bengal, two Himalayan Gorals were released into Mahananda Wildlife Sanctuary and also four Red Jungle Fowls were released into Mahananda WLS. These reintroduction works were applauded both nationally and internationally. Enthused by this success, it is planned to release more number of animals in coming years.

PNHZP is in the forefront in taking up in house 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. This year Darjeeling Zoo carried out/carrying out eight important research projects detailed in this annual report. The zoo is bringing up two handbooks on '*Baseline Hematological and Serum Biochemical values in some species of captive wild mammals*' and '*Gastrointestinal parasites in wild animals in captivity.*'

PNHZP is one of the most popular destinations for tourists visiting Darjeeling. The park was opened on 15th Sept 2021 after prolonged lockdown due to COVID pandemic. All measures were taken for tourists to have educative experience of the zoo along with maintain COVID norms. The park conducted the outreach programmes as mentioned in the zoo calendar every year. This year on the occasion of celebration 'Ajadi ka Amrit Mahotsav' at national level, the PNHZP focused on red panda as key species and over a week from 21st to 27th March 2022, organised various events like webinar, blood donation camp, marathon, visits by schools & orphanage. Van Mahotsav was celebrated from 14th July to 20th July with the plantation of indigenous trees by the park staff within the Park's forest area and online extempore competition.

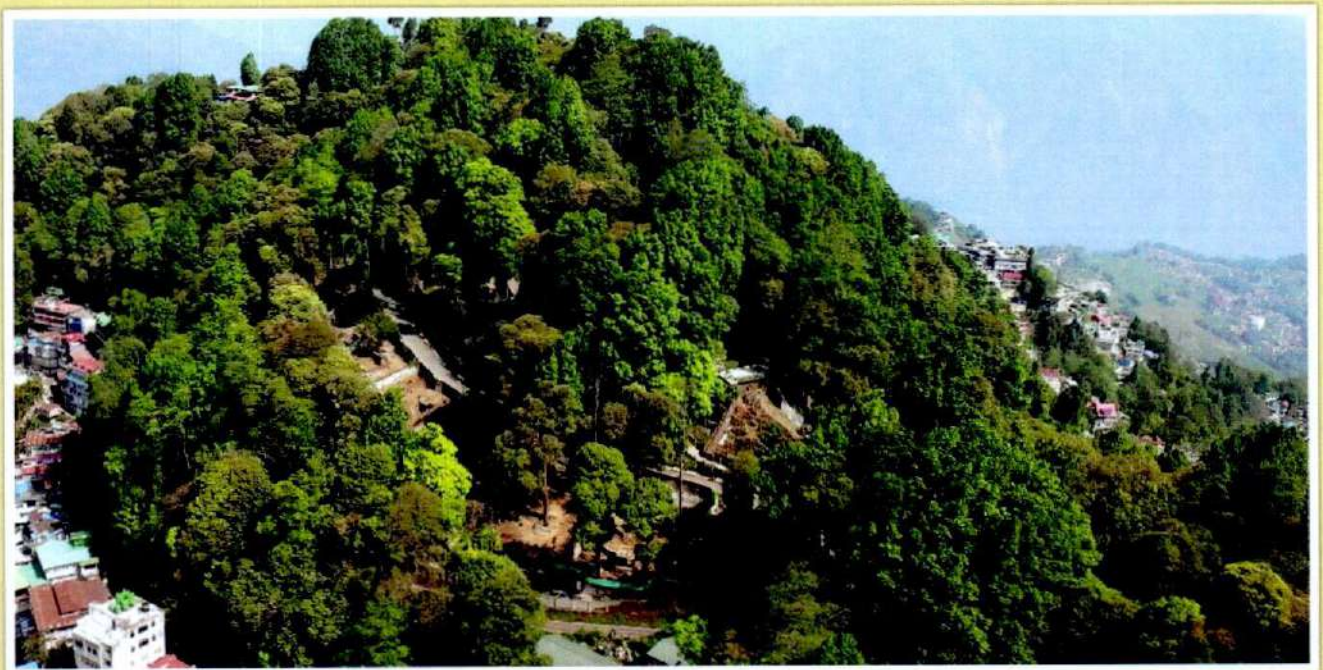
The annual report of the zoo for 2021-22 intends to inform about all the major aspects of the zoo management, animal health management, development works, educational and outreach programmes, conservation breeding & species reintroduction etc. I extend my sincere thanks to Shri Vivek Kumar IAS, Addl Chief Secretary, Department of Forests, Govt of West Bengal, Shri Subrat Mukherjee IFS, PCCF HoFF, Shri V K Yadav IFS, PCCF Wildlife & CWLW, Shri Debal Ray IFS PCCF Wildlife & CWLW, Dr Sanjay Shukla IFS, Member Secretary Central Zoo Authority, Shri Saurabh Choudhary IFS Member Secretary, West Bengal Zoo Authority and all officers of West Bengal Forest department and Central Zoo Authority for their support, guidance and cooperation in successfully managing the zoo and fulfilling the goals and objectives set for the zoo.

# 02 HISTORY of the Park



The Padmaja Naidu Himalayan Zoological Park Darjeeling, formerly known as Himalayan Zoological Park, Darjeeling was established on 14th August, 1958. In 1975 Late Smt. Indira Gandhi, then the Prime Minister of India, 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.



## A Conservation Breeding Centre of PNHZ Park for Red Panda & Snow Leopard at Topkeydara :



Aerial view of Topkeydara



Enclosure at Topkeydara

One of the 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 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). During the year 21-22 a new hospital was established 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 staffs (7 zoo keeper, 3-night guards) who are overseen by the Estate Officer, PNHZP. The breeding facility is not open for display to visitors.



Snow leopard at Topkeydara



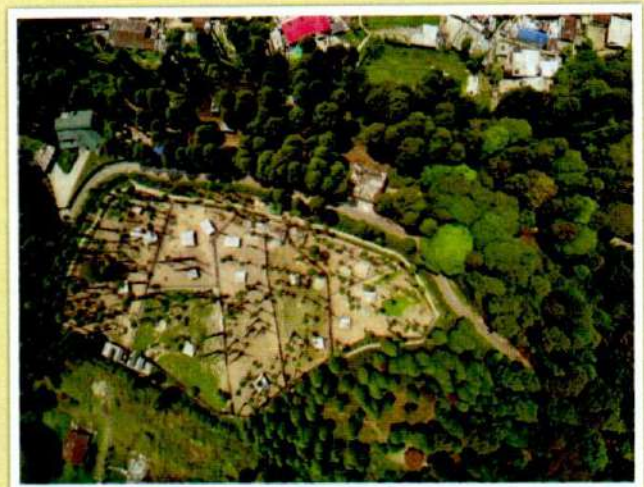
Red Panda at Topkeydara

## Conservation Breeding Centre for Pheasant & Herbivore at Dowhill

PNHZP is a leading zoo in Conservation Breeding of high-altitude herbivores & pheasants. A conservation breeding centre was established at Dowhill for taking care of high-altitude herbivores (Viz, Himalayan Tahr, Himalayan Goral, Blue Sheep etc), high altitude indigenous pheasants (viz. Red Jungle Fowl, Temminck's Tragopan, Kalij Pheasant, Cheer Pheasant, 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 a 5.93 hectare of forest land under Kurseong Forest Division was established on 07.12.2011. The conservation breeding centre has one 7-unit pheasantry (27 enclosure), one 3-unit pheasantry (10 enclosures), one aviary with 4 enclosures and 15 herbivore enclosures. A hospital with a full-time compounder is also a part of this facility and the veterinary doctor of PNHZP frequently visits for regular check-up of the animals. In the year 21-22 the hospital was further upgraded with an operation theatre and doctor's chamber.

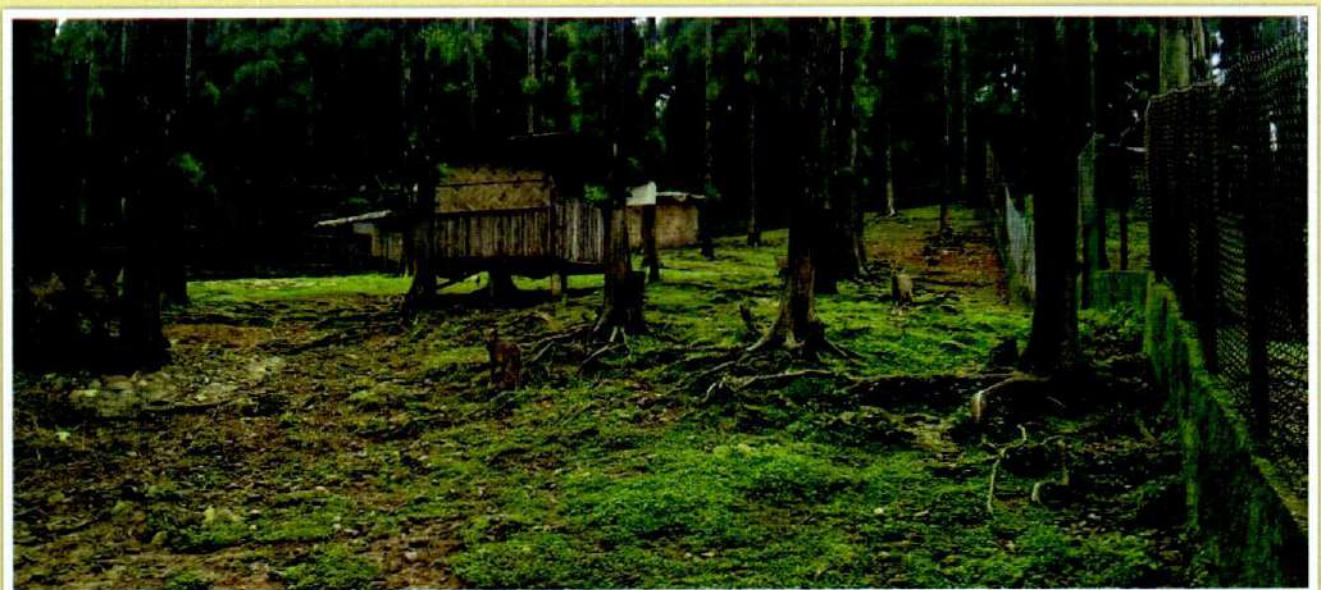
A new 6-unit aviary is being constructed housing for 6 indigenous species. In the past years the park lost a good number of fertile eggs which

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

Herbivore enclosure 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 of the Park

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 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	14th August, 1958
3	Address of the Zoo	Padmaja Naidu Himalayan Zoological Park, Jawhar Parbat (West), Dist 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.pnhzp.gov.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)	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.  Conservation Breeding Centre for Herbivores and Pheasants, Dow Hill, Kurseong- 4.65 hectares and 1.28 hectares for Deputy Director residence and staff quarters.  Conservation Breeding Centre for Red Panda and Snow leopard, Topkey Dara, 3rd Mile- 5 hectares.
13	Number of Visitors (Financial Year)	Adult: Children: - Total Indian: - 3,08,590 Total Foreigners: - 253 Total Visitors: -3,08,843

SL.NO.	PARTICULARS	INFORMATION
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 11.Zoo guides on payment 12.Information brochures 13.Stoppage point. 14.Zoo Map
15	Weekly Closure Day of the Zoo	Thursday

#### MANAGEMENT PERSONNEL OF THE ZOO

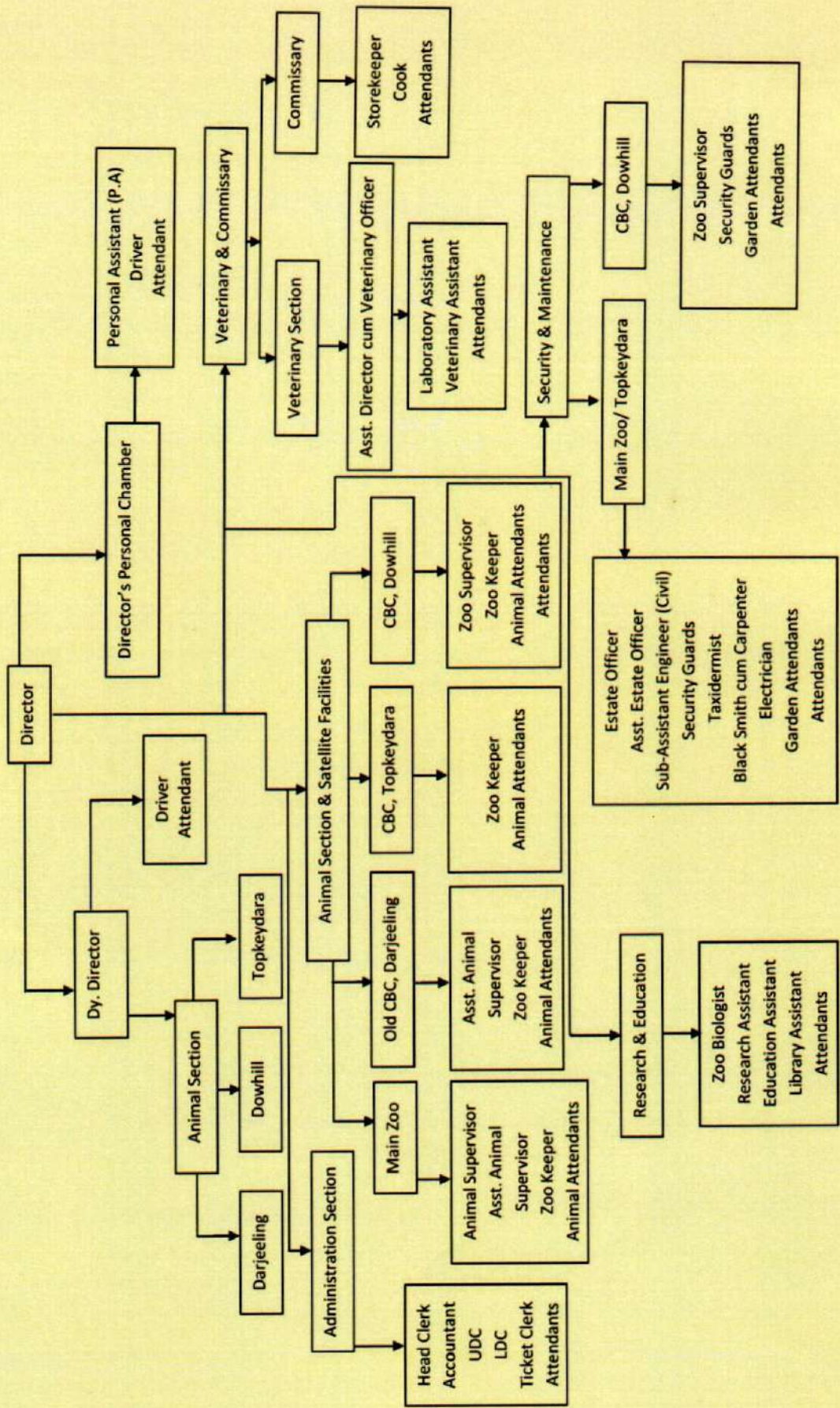
16	Name with designation of the Officer in-charge	Shri Dharmdeo Rai, IFS(01.04.2021 - 31.07.2021) –Shri S. K. Molley, IFS (01.08.2021-24.08.2021)- Dr. Basavaraj S. Holeyachi, IFS (25.08.2021- present)
	Name of the Veterinary Officer	Dr. Joy Dey
	Name of the Curator	Shri Partha Sarathi Pramanik, WBFS
	Name of the Biologist	Dr. Barkha Subba (02.08.2020) - (25.02.2022)
	Name of the Education Officer/ Assistant	Education Assistant: Ms. Ruma Mandal
	Name of the Compounder/ Lab Assistant	Compounder: Shri Pradip Singh/Lab Assistant: Shri. 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	Shri Dharmdeo Rai, IFS(01.04.2021 - 31.07.2021) –Shri S. K. Molley, IFS (01.08.2021-24.08.2021)- Dr. Basavaraj S. Holeyachi (25.08.2021 - Present)
2	Deputy Director	01	Shri Partha Sarathi Pramanik, WBFS
3	Assistant Director cum Veterinary Officer	01	Dr. Joy Dey
4	Zoo Biologist	01	Dr. Barkha Subba (02.08.2020-25.02.2022)
5	Sub Assistant Engineer (Civil)	01	Mr. Saurav Sharma
6	Zoo Supervisor PNHZP Darjeeling Dow Hill	02	Mr. Purna Ghising (Animal Supervisor) 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 1. PNHZ-1 2. Old CBC-1	02	Mr. Deepak Roka -
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 -10 2. Old CBC-2 3. CBC Topkeydara-2 4. Dow hill- 2	16	Mr.NipanTamang,Mr. Ruden Lepcha Mr. Amar Chettri, Mr. Binod Kumar Subba, Mr.Bidhan Tamang, Mr.Krishna Pd Rai, Mr. Nima Tamang, Mr.Sanil Rai, Mr. Mahesh Gurung, Mr. Pranay Thapa, Mr Pawan Subba, Mr Anil Das,Mr. Umesh Rai, Mr. Aditya Tamang and 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
27	OA/TA	02	Mrs. Preetika Lakhandri (TA)
28	Ticket Clerk	02	Mr. Mir Tshering Tamang (P) Mr. Amit Pradhan (C)
	<b>Total Permanent</b>	<b>37</b>	
31	Support Staff (on Contract):		
	Security	29	PNHZP -23 Topkey-3 Dowhill- 3
	1. PNHZP -21		
	2. Old CBC-02		
	3. Topkeydara-03		
	4. Dow hill- 03		
	b) Sanitation	12	PNHZP-02 (P) + 10 (C)
	Garden attendant	15	13 PNHZP (C)+ 2 Dowhill(C)
	Attendants	09	PNHZP-7 (C) + 02 Dowhill (C)
	e) Animal Attendants		
	1. PNHZP -10		PNHZP-10
	2. Old CBC-01	16	Old CBC-01
	3. Topkeydara-02		Topkey-02
	4. Dow hill- 03		Dowhill-03
	<b>Total Contractual</b>	<b>80</b>	
	<b>TOTAL (Sanctioned post + contractual)</b>	<b>173</b>	



# 09 CAPACITY BUILDING of zoo personnel

Sl. No.	Name and designation of the zoo personnel	Subject matter of Training	Period of Training	Name of the Institution where the Training attended
1	Director, PNHZP	Linking in-situ and ex-situ conservation efforts including bio security planning for endangered species.	10.10.2021	Gujarat



Dr. Basavaraj S. Holeyachi, Director, PNHZP presenting on – “Ex-situ and in-situ linkage of conservation efforts for endangered species at PNHZP” at National conference for zoo Directors and Veterinarians at Kevadia, Gujarat .



# 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: The meeting of members of the Health Advisory Committee could not be conducted due to the prevailing Covid-19 pandemic.

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 (2021-2022)	Receipt In Rupees	
	1.	Indian Visitors	₹ 1,08,16,190	
		Foreign Visitors	₹ 12,910	
		Camera charges	₹ 98,470	
	2.	Collection from souvenir sales	₹ 2,93,523	
	3.	Rental income from group 'C' quarter	₹ 3,600	
	4.	Rental income from guest house	₹ 21,500	
	5.	Rental income from Kiosks	₹ 1,92,075	
	6.	Animal adoption	₹ 13,000	
	7.	Rental from electricity charges	₹ 11,770	
	8.	Tender from sales	₹ 2,80,500	
<b>Total</b>			<b>₹ 1,89,43,538</b>	
<b>Total Grants</b>				
	Sl No.	Source of Fund (2021-2022)	Received in Rupees	Expenditure in Rupees
<b>Grants &amp; Expenditure</b>	1.	Dept. of Forest Govt. of West Bengal (Non Plan)	₹ 22,96,46,000	₹ 22,96,46,000
	2.	CZA fund	₹ 23,22,000	₹ 2,69,858
	3.	IFS training	₹ 6,75,000	₹ 6,75,000
	4.	Veterinary fund	₹ 30,92,300	₹ 923145
	5.	Non Plan	₹ 9,07,14,540	₹ 8,93,27,696
	6.	Corpus Research	₹ 1,04,05,357	₹ 60,26,318
	7.	Corpus development work	₹ 1,11,60,075	₹ 11,58,506
<b>Total</b>			<b>₹ 34,80,15,272</b>	<b>₹ 32,80,26,523</b>



# 13 DAILY FEED SCHEDULE of Animals

Sl.No	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
<b>MAMMALS</b>					
1	Red Panda ( <i>Ailurus fulgens fulgens</i> )	i. Egg ii. Banana iii. Apple iv. Honey v. Milk vi. Bamboo leaves vii. other seasonal fruits like watermelon orange, grapes, cucumber viii. 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> )	i. Beef ii. 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 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

6.	Markhor ( <i>Capra falconeri</i> )	Crushed Maize Gram Crushed wheat' Barley Salt Wheat Bran Pulses (Moong/ 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
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 gms	300 gms 80 gms 50 gms 180 gms 8 gms 160 gms 48 gms - 20 gms 40 gms	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 gms	300 gms 80 gms 50 gms 180 gms 8 gms 160 gms 48 gms - 20 gms 40 gms	
11.	Royal Bengal Tiger ( <i>Panthera tigris</i> )	Beef ii. Chicken	13 kg 13 kgs	12 kgs 12 kgs	Thursdays
12.	Common Leopard ( <i>Panthera pardus</i> )	i.Beef ii.Chicken iii.Mutton	02 kgs 2.5 kgs 2.5 kgs	2 kgs 2 kgs 2 kgs	
13.	Asiatic Black Bear ( <i>Ursus thibetanus</i> )	Wheat chappati Rice Soup (beef/ mutton/ chicken) Sattu balls Soaked, boiled and crushed chana Vegetables like cabbage, potato, tomato, cucumber, raddish, carrot, turnip, peas, pumpkin, squash, tubers (locally available), maize, celery, all forms of leafy vegetables vii. 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	
14.	Jackal ( <i>Canis aures</i> )	i.Beef ii.Chicken	1 kg 1kg	1 kg 1kg	Thursdays
15.	Leopard Cat ( <i>Prionailurus bengalensis</i> )	i.Beef ii.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	10 gms	10 gms	No fasting
Onion	05 gms	5gms	
Garlic	05 gms	5 gms	
Green & leafy vegetables (lettuce, cabbage, leaves of raddish, carrots, citrus fruits, turnip, palak, raya, simraya, raddish and carrot leaves kumra etc.	30 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	10 gms	10 gms	No fasting
Onion	05 gms	5gms	
Garlic	05 gms	5 gms	
Green & leafy vegetables (lettuce, cabbage, leaves of raddish, carrots, citrus fruits, turnip, palak, raya, simraya, raddish and carrot leaves kumra etc.	30 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

Red and Blue Macaw (*Ares chloropterus*), Blue and Gold Macaw (*Ares chloropterus*), Bare Eyed Cockatoo (*Cacotuasan guinea*), Sulphur Crested Cockatoo (*Cacotua sulphurea*) African Grey parrot (*Paittacuserithacus*), Cocktaiels (*Nymphicus hollandicus*) and Rose Breasted cockatoo (*Elophus roseicapilla*)

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	
Checked Keelback ( <i>Xenochroptis piscator</i> )	Fish after every 3-4 days		250gms	No fasting

Indian Sand Boa (*Erynx johnii*), Rat Snake (*Ptyas mucosa*) Russell's Viper (*Daboia russelii*) and Himalayan Pit Viper (*Gloydius himalayanus*)

Day old chick every 10 days

ii. Albino mice every 10 days

02 nos

02 nos





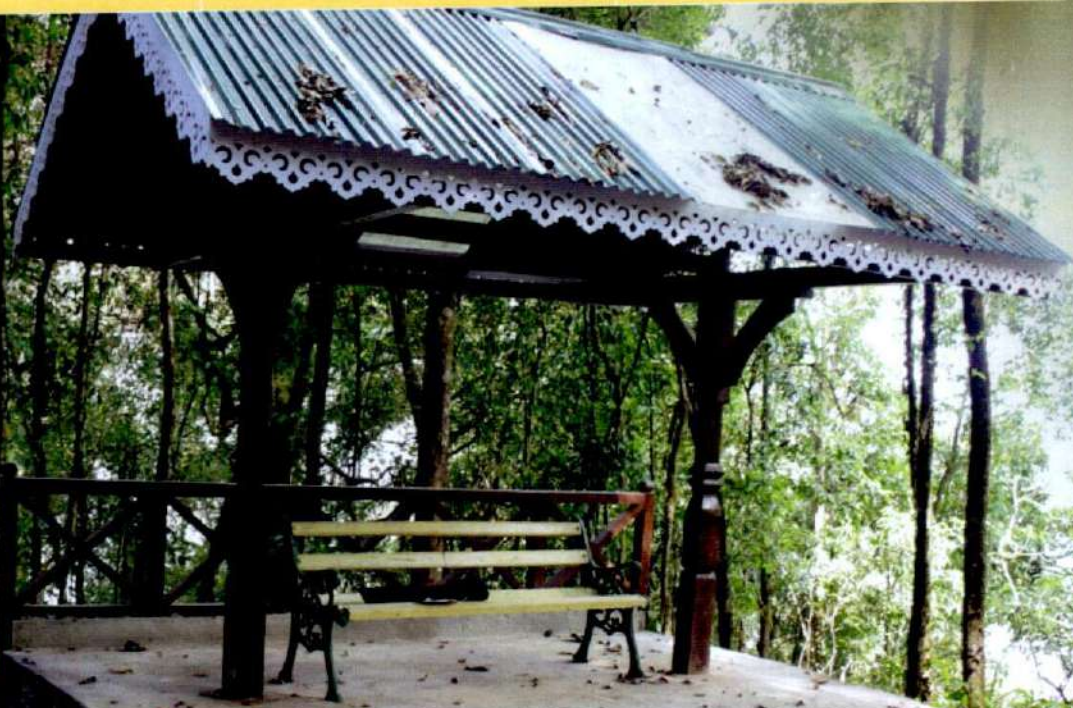
# 14 VACCINATION SCHEDULE of Animals

Sl. No.	Name Of the Vaccine	Species	Diseases Vaccinated Against	Periodicity	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	16.12.2021 to 20.12.2021 (Annually)	Booster is given after 1 month
2	Ferret Distemper Purevax	Common Leopard, Royal Bengal Tiger, Leopard Cat, Jungle Cat	Canine Distemper	Every 6 months	Booster given on 21 <sup>st</sup> , 42 <sup>nd</sup> day and half yearly thereafter
3	RAKSHARAB	Jackal & Himalayan Wolf	Rabies	06.03.2022 (Annually)	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>	Annually	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	Carnivore	Praziquantel+Pyrantel Pamoate+Fenbendazole Albendazole Fenbendazole	APRIL- JUNE JULY-SEPTEMBER & JANUARY – MARCH OCTOBER- DECEMBER



# 16 DISINFECTION SCHEDULE of Animals

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



# 17 HEALTH CHECK-UP OF employees for Zoonotic diseases

Could not be conducted the health check-up for the year 2021-2022 due to the prevailing Covid-19 pandemic. But annual prophylactic immunization against rabies was done.



# 18 DEVELOPMENT WORKS

carried out in the zoo during  
the year 2021-2022



New herbivore enclosure



Construction of water reservoir



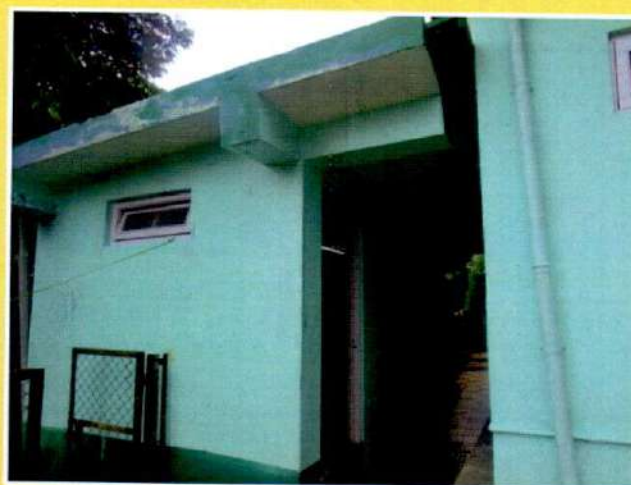
Emergent restoration of landslide



Firewood shade at burning house



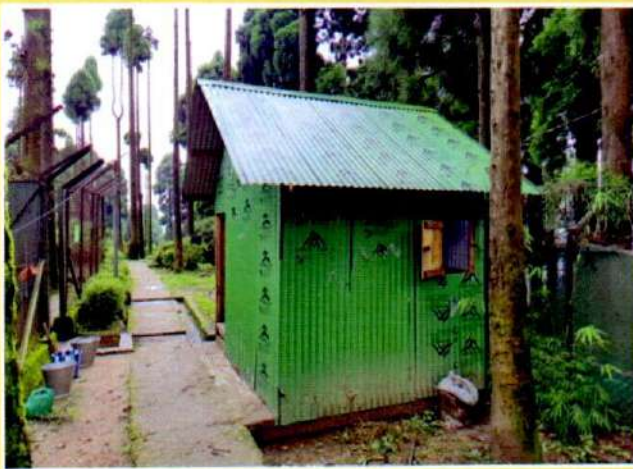
Renovation of Langur enclosure



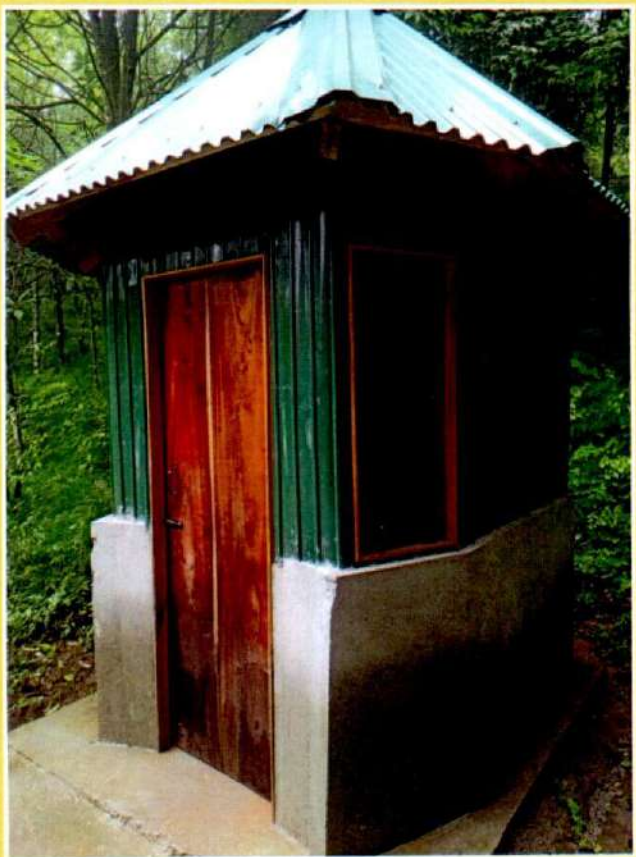
Extension of FRH kitchen



Hospital upgradation at CBC Topkeydara



Guardhouse at Dowhill

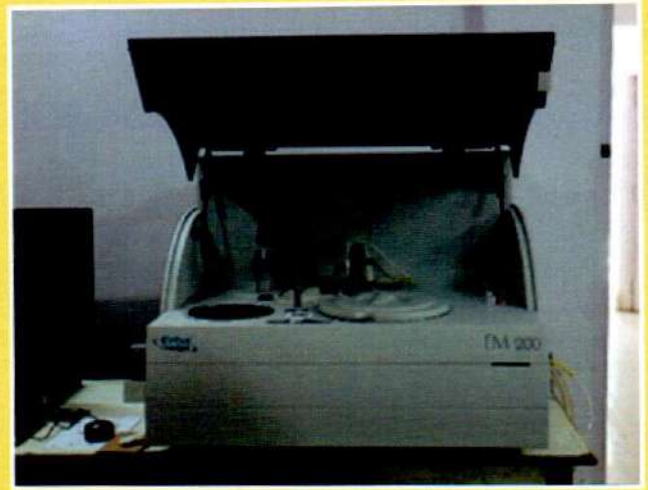


Guardhouse at Topkeydara



Construction and Repair of drains

Upgradation of the veterinary section with advanced equipment



Fully automatic biochemistry analyser



Centrifuge machine



Hemocrit centrifuge machine for packed cell volume



Operation Table



Storage Rack

# 19 EDUCATION & AWARENESS programmes during the year 2021-2022

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 2021-2022 the education wing of the park could not hold such public awareness programmes as before because of the national lock-down due to the prevailing Covid-19 pandemic globally, as visitors and Zoo enthusiast could not visit the Park, so the park decided to let the Zoo enthusiasts enjoy the tour around the park virtually. The park had specific times to give virtual tours showing different behavioural activity of animals housed in the park so that people can watch them from the comfort of their homes.

Sl. No	Date	Name of the School/ Training Institute/ College	Number of Students	Number of faculty	Educational Incentives
01.	08.12.2021	St. Joseph's College, Darjeeling	28	04	Educational materials, visit to zoo and interaction
02.	11.12.2021	Winter Study tour of IAS 2020 batch	12	01	Educational materials, visit to zoo and interaction
03.	16.02.2022	Refreshment course for FRO's, (Wildlife Institute of India)	12	02	Educational materials, visit to zoo and interaction



Refreshment course for FRO's, (WII)



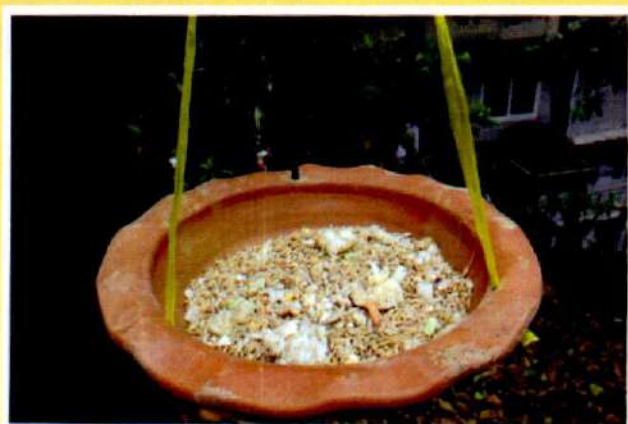
Winter Study tour of IAS 2020 batch



# 20 IMPORTANT EVENT AND HAPPENINGS

## I. EARTH DAY (APRIL 22, 2021)

- Padmaja Naidu Himalayan Zoological Park, Darjeeling celebrated Earth Day on the theme 'Restore our Earth'.
- This year due to the Covid-19 outbreak the park celebrated Earth Day in a very subdued manner by installing bird feeders (made up of mud pots) for wild birds on the tree branches.



## II. BIODIVERSITY DAY (MAY 22, 2021)

The International Day for Biological Diversity is celebrated each year on 22nd May, a date dedicated to raising global awareness about the

importance of protecting biological resources and the global biodiversity that shapes our environment — not only the various species of plants, animals, and microorganisms around us, but also the genetic diversity of each of them, as well as the great variety of ecosystems that make up our planet.

PNHZ Park celebrates Biodiversity Day each year to raise awareness among people about the importance and necessity of conserving the ecosystem and biodiversity by inviting and organizing outreach and educational programs for local schools. This year, due to the prevailing condition of the ongoing pandemic, the park decided to conduct the program via social media. The day was celebrated with a short video message from the Director, PNHZ Park focusing on the theme of Biodiversity Day 2021, viz, 'We're part of the solution #fornature'. The video was uploaded on our social media platforms to raise awareness.

The link to watch the video:  
<https://fb.watch/74DjhRo27m/>

## III. WORLD ENVIRONMENT DAY

World Environment Day is celebrated annually on 5th June and is the United Nations' principal vehicle for encouraging awareness and action for the protection of the environment. This year PNHZ Park organized an online quiz competition to celebrate the World Environment Day.

There was a total of 438 participants for the open online quiz competition, top 3 participants of the quiz competition are as follows:

Sl No.	Obtained Marks	Name
01.	100 / 100	Mr. Ramesh Kumar
02.	98 / 100	Mr. Muraree Singh Marko
03	94 / 100	Mr. Dharam. Vshal

#### IV. VAN MAHOTSAV CELEBRATION (JULY 14 TO 20, 2021)

This year in West Bengal the 'Van Mahotsav' week celebrated from 14 July to 20 July. This year the Park celebrated the week by organizing an online event. An online "Van Mahotsav Extempore Competition" was conducted where participants had to upload a 2-minute video of themselves giving a speech on the theme "Natural Disaster can be prevented by conserving nature." The Park witnessed active participation and the 3 winners of the competition received certificates and books on Flora & Fauna as prizes.

The Park concluded the last day of 'Van Mahotsav' by planting various indigenous saplings around the zoo forest.

Winners of the Extempore Competition are as follows:

Rank	Name	Institute
1 <sup>st</sup> Place	Mr. Chiranjit Saha	University of Kalyani
2 <sup>nd</sup> Place	Miss. Anusha Dhali	Budge Budge Institute of Technology
3 <sup>rd</sup> Place	Mr. Suvankar Das	Shatabdir Kolkata



## V. FAREWELL TO THE FORMER DIRECTOR SHRI DHARMDEO RAI, IFS

On 31st July, 2021, the park bid farewell to Shri Dharmdeo Rai, IFS and former Director PNHZ Park. Shri. Dharmdeo Rai served the park as the Director from 22.07.2020 to 31.07.2021. His contribution to the park is commendable.



Shri. S.K. Molley, IFS took over the charge of Director, PNHZ Park from Shri. Dharmdeo Rai, IFS.

On 25th August, the park bid farewell to Shri S.K. Molley, IFS, former Director PNHZ Park and welcomed Dr. Basavaraj S. Holeyachi, IFS.

## VI. INTERNATIONAL RED PANDA DAY

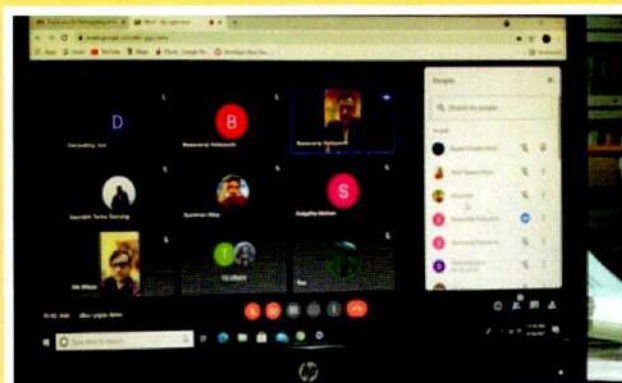
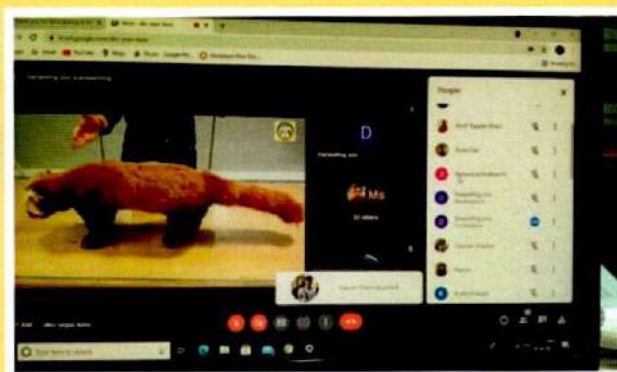
International Red Panda Day is celebrated on third Saturday of September every year to raise public awareness and support the conservation of Red Pandas. This year the day was celebrated on 18th September, 2021. The Park is one of the leading zoos in the conservation of Red Pandas. This year due to the ongoing pandemic the park decided to celebrate IRPD online by organizing a "Webinar". The webinar included two educational videos on Red Pandas followed by an interactive session with the participants and the Parks "Red Panda augmentation Programme" team members.

**The detail of the programme as follows :**

- The webinar started at 11:00am with an introductory speech from the Director of PNHZP

and Member Secretary, WBZA.

- Followed by the screening of a video on "Morphology of Red Panda."
- A short interactive session with the participants on the video.
- Another video was screened on "Red Panda augmentation centre of PNHZ Park in Singalila National Park."
- Followed by an interactive session with the participants.
- The programme ended with a short concluding speech from the Director, PNHZP and the Member Secretary, WBZA.



## VII. RE-OPENING OF THE ZOO

PNHZ Park was reopened to visitors on 15th September, 2021. After close to 5 months of shutdown owing to the Covid-19 spread and ensuing lockdown. On the first day of reopening, the zoo welcomed hundreds of visitors. The Park reopened with strict guidelines asset forth by West Bengal Zoo Authority.



Celebration of Independence Day at PNHZP

Celebration of Republic day at PNHZP ⇒

## VIII. WILDLIFE WEEK

Wildlife Week is celebrated every year across India between 2nd to 8th October with an aim to protect and preserve the flora and fauna of India. This year the week 2021 was celebrated from 2nd October to 8th October. Padmaja Naidu Himalayan Zoological Park celebrates Wild life Week every year with various programs. However, this year due to pandemic, the park decided to take the online

route for this celebration. Every day for one week the park released pictograms of various conservation breeding programme on the entire social media platform to raise awareness about the park's contribution toward wildlife conservation.



## IX. INTERNATIONAL ZOOKEEPER'S DAY

International Zookeeper's Day is celebrated every year on 4th October to encourage education and public awareness of the important role of keepers in wildlife conservation.

Padmaja Naidu Himalayan Zoological Park celebrated International Zookeeper Day 2021 to appreciate all the zookeepers for their hard work and contribution toward animal welfare of the zoo. The program started with a speech from Dr. Basavaraj S. Holeyachi, Director, PNHZP; Shri. Partha Sarathi Pramanik, Deputy Director, PNHZP; Dr. Joy Dey, ADVO, PNHZP and Shri. Shiromani Syangden, Estate Officer, PNHZP followed by felicitating all the zookeepers with Khada and a small token of appreciation.



## X. INTERNATIONAL SNOW LEOPARD DAY

Every year 23rd October is celebrated as International Snow Leopard Day to create awareness about the conservation and preservation of these vulnerable species. There is

no denying the fact that due to urbanization, pollution, and human interventions the population of Snow Leopard is decreasing day by day. PNHZ Park being the coordinating zoo for the Snow leopard conservation breeding program have a successful contribution in Snow Leopard conservation. This year the park decided to celebrate this day by creating a short video of snow leopards focusing on all the aspects of snow leopards at the zoo. The video was uploaded on the park's social media platforms to raise awareness.

The link to watch the video: <https://www.facebook.com/646575185987023/videos/274794091223145>

## XI. INAUGURATION OF WWF'S DARJEELING BIRD CLUB AT PNHZ PARK

Inauguration program of WWF's Darjeeling Bird watching club was held on 29th October, 2021 at PNHZ Park. The club was inaugurated by Dr. Basavaraj S. Holeyachi, IFS Director, PNHZ Park, Mr. Dendra Sunar, WWF Darjeeling and Dr. Saibal Sengupta, Nature Club, St. Robert's School, Darjeeling. The programme was organised by WWF in collaboration with PNHZ Park.



## XII. 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 programs, inviting many schools and their students to share knowledge about this park and its contribution in wildlife conservation. This year due to pandemic, the park decided to take the online route for this celebration.

The park decided to hold a week-long celebration for this year that started on 8th November and ended on 14th November. The program included an online "Poem writing and Poetry recital Contest". The theme and categories were as follows:

Theme: "Nature, Forest & Wildlife"

Categories:

1. STDV to STDVII
2. STDVIII to STDX

Sub-Categories: English | Hindi | Nepali | Bengali

Entries were accepted till 14th November (until 2 p.m. IST). The winners of the competitions were announced on 15th November. The winners of each competition were awarded with certificates and books as a prize.

The event witnessed active participation. The drawings and essays were submitted to the Park's email. The entries were judged by the Director, PNHZP, Deputy Director, PNHZP, ADVO, PNHZP and Estate Officer, PNHZP on the following criteria:

- Creativity.
- Relevance to theme.
- Concept of wildlife and conservation.

Following are the winners of the "Poem writing and Poetry recital Contest":

### Category 1: STD V to STD VII

Subcategory: English

SINo.	Place	Name	School
01.	First	Ms. Aaheli Ghoshal	The BSS School
02.	Second	Ms. Ishita Darnal	The BSS School

Subcategory: Bengali

01.	First	Ms. Adyitiya Ray Chowdhury	LaMartniere for Girls
02.	Second	Ms. Mayurakshi De	LaMartniere for Girls

Subcategory: Hindi

01.	First	Ms. Ayati Jhunjhunwala	LaMartniere for Girls
-----	-------	------------------------	-----------------------

### Category 1: STDVIII to STDX

Subcategory: English

01.	First	Ms. Titas Pal	The BSS School
02.	Second	Ms. Ahana Bhumik	The BSS School

Subcategory: Bengali

01.	First	Ms. Bipasha Nath	The BSS School
-----	-------	------------------	----------------

• THE PARK DECIDED TO AWARD ONE COMPLEMENTARY PRIZE TO A STUDENT OF STD-I FOR HER EFFORT, MS. SHARANYA SINHA

outreach programs viz. hybrid mode of webinar, visit of school students, webinar hosted by CZA, educational tour for local orphanage, blood donation camp, staff marathon and video message etc every day from 21st March to 27th March.



**EVENTS CONDUCTED**



Hybrid mode of Webinar on Red Panda (21st March)

**XIII. CELEBRATION OF AZADI KA AMRIT MAHOTSAVA (21ST MARCH-27TH MARCH)**

Padmaja Naidu Himalayan Zoological Park celebrated 75 years of India's Independence from 21st March to 27th March, 2022. Central Zoo Authority had selected our zoo to celebrate the 54th week of Azadi Ka Amrit Mahotsava with the species in focus Red Panda. The week was celebrated by conducting various educational



Visit of school students to zoo (22nd March)

**Know all about the Species**

The Red Panda is a small mammal native to the Eastern Himalayas and Southwestern China. They have dense chestnut-colored fur with a black belly and legs. Their snout, inner ears, and chest patches are white in color. In India, the species is distributed in the northeastern Himalayan states, in Sikkim, northern West Bengal, and Assam's Patkai Bumdi. They occur in a narrow altitude band usually between 2,000 to 4,500 m above sea level and inhabit montane forests with dense bamboo or rhododendron undergrowth.

They are well adapted to tree-climbing and head-first descent due to the presence of semi-reticulate claws and the ability to rotate their ankles. Adult pandas are generally solitary and territorial. Individuals mark their home range or territory boundaries with urine, feces, and secretions from the anal and perianal glands. Scent-marking occurs more on the ground, and males mark more often and for a longer duration than females.

They feed predominantly on young leaves and shoots of bamboo. However, they have also been observed to feed on oak, oak, succulent grasses, acorns, lichens, bird's eggs, and insects.

Habitat loss, fragmentation, and poaching are the main threats to the survival of this species. It is protected by a National (Wild Life Protection) Act, 1972 and International (CITES) level. There are 21 individuals housed in 3 zoos that fall close to the distribution range of the species.



**Red Panda**  
*Ailurus fulgens*

**Know all about the Zoo**

The Padmaja Naidu Himalayan Zoological Park, Darjeeling was formerly known as Himalayan Zoological Park. It was rechristened to its current name in honor of Late Smt. Padmaja Naidu, Ex-Governor of West Bengal in 1975 by Late Sri. Indira Gandhi, the then Prime Minister of India. The zoo was developed with a focus on the conservation of the Eastern Himalayan ecosystems with a vision for an in-situ conservation breeding, augmenting wild populations, and strengthening biodiversity conservation through education and research. Two satellite conservation breeding facilities in Kerangpa for Indigobird pheasant and high-altitude herbivores, and in Tollymore for Snow leopard and Red Panda were set up to augment conservation efforts in the Eastern Himalayas. Presently, the zoo houses 10 species of birds, 19 species of mammals, 3 species of reptiles, and 1 amphibian species.



**Dr. Sanjay Pruthi,**  
Wildlife Biologist,  
Animal Health Research in Ecology and the Environment



**Dr. Basavaraj S. Holeyachi** IAS,  
Director,  
Padmaja Naidu Himalayan Zoological Park

Watch Live!  
CZA's YouTube Channel



Expert Talk show at hosted by CZA (23rd March)



Visit of the resident of local orphanage (24th March)



Blood donation camp (25th March)



Staff Marathon (26th March)

A short video message from the Honorable Member Secretary of CZA Dr. Sanjay Shukla, IFS, Director, PNHZP Dr. Basavaraj S. Holeyachi, ADVO, PNHZP Dr. Joy Dey and Estate Officer, PNHZP Shri. Shiromani Syangden. (27th March)





#### XIV. INDIAN FOREST SERVICE (IFS) OFFICERS ONE -WEEK COMPULSORY TRAINING COURSE (7TH - 11TH MARCH)

The Park conducted the one-week Compulsory Training Course on "Conservation Breeding Program and its role in conservator of

endangered species" at PNHZ Park, Darjeeling for the Indian Forest Service (IFS) officers through physical mode from 7th - 11th March, 2022. A total of thirteen (13) officers participated in the training program with classes from different faculties as well as field visit to PNHZ Park, Conservation Breeding facility at Topkeydara and Dowhill.



## XV. VISIT OF DIGNITARIES & THEIR VALUABLE COMMENTS

Sl.No	Date	Name	Address	Remarks
1	12.04.2021	Dr. S. P. Yadav, IFS ADG(PT) & MS NTCA & CZA	MoEF & CC, GOI, New Delhi	Very well-maintained zoo with quite a few rare species, keep it up.
2	02.08.2021	Miss Birbaha Hansda	Hon'ble Minister of State, Department of Forests, Govt. of West Bengal	-
3	08.03.2022	Shri Debal Ray, IFS	PCCF WI & CWLW	-
4	08.03.2022	Mr. Janno Weerman	Convenor, GSMP Netherlands	-
5	26.03.2022	Dr. Sanjay Shukla, IFS MS CZA	MoEF & CC, GOI, New Delhi	-



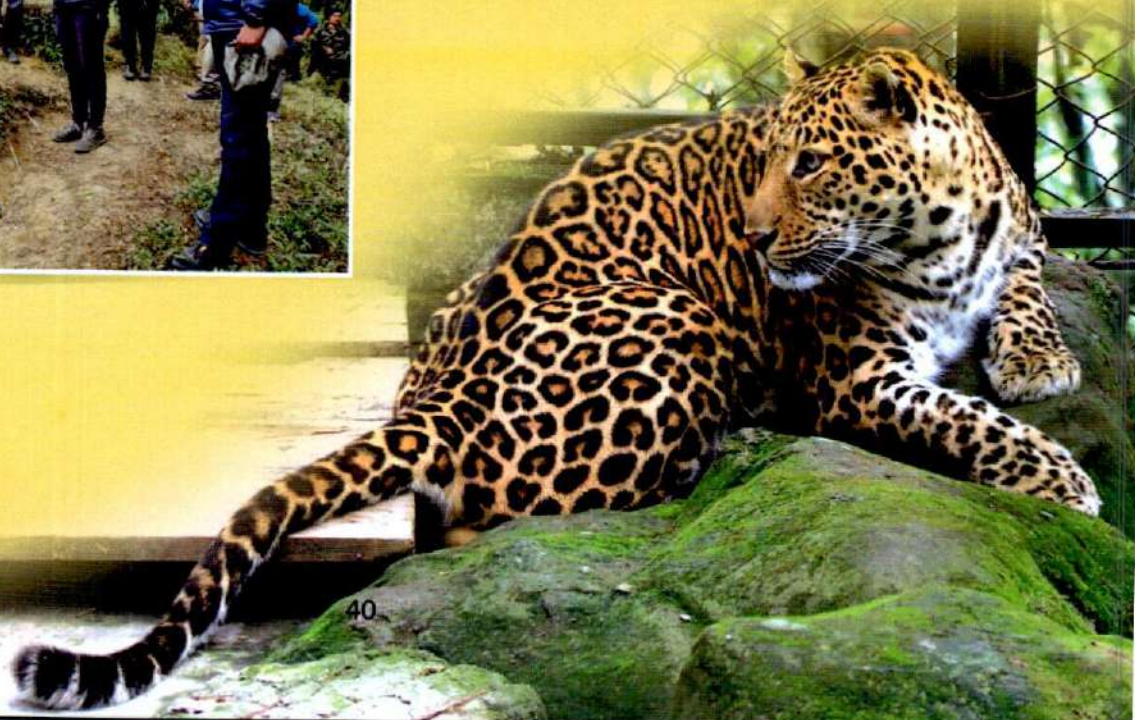
On 2nd August, 2021 Hon'ble Minister of State, Department of Forests, Govt. of West Bengal Miss Birbaha Hansda visited PNHZ Park and the Conservation breeding Centre Topkeydara.



On 08th March 2022, Shri Debal Ray, IFS PCCF WI & CWLW & Mr. Janno Weerman, Red Panda Convenor GSMP, Netherlands visited the soft release facility at Gairibans, Singalila National Park.



The Member Secretary, Central Zoo Authority Dr. Sanjay Shukla, IFS visited the PNHZ Park, Conservation Breeding Centre at Topkeydara & Dowhill and Soft Release Facility at Gairibans, Singalila National Park on 26th March, 2022.



# 21 SEASONAL ARRANGEMENTS for upkeep of animals

## a. Winter (End of November – February)

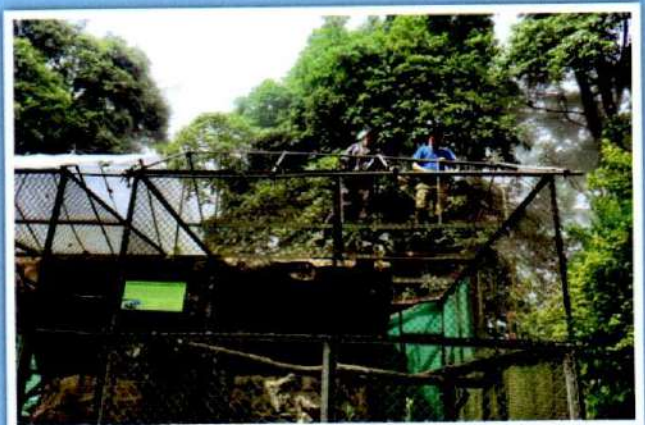
- Bedding materials provided to the following animals : Leopard cat, Jungle Cat, Asian Palm Civet, Himalayan Palm Civet, Slow Loris, Asiatic Black Bear.
- Curtains in all the night shelters for warmth.
- Heaters and Blowers in the night shelters.
- Luke warm water for drinking for all the animals.
- 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 cladding 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.



# 22 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 September, 2020 and was completed in December 2022.	Haematological and biochemical values of captive animal at PNHZ Park
3	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"
4	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"
5	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
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"
7	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
8	Dr Mousumi Poddar Sarkar, Prof, Chemical signal and lipidomics Lab. Dept of Botany (Center of advance study UGC.)	PNHZ Park in collaboration with University of Calcutta.	The project is ongoing	"Marking fluid" (MF) and urine samples of mammals of Felidae family of captive Indian tiger, Clouded Leopard, Black Leopard, Common Leopard, Snow Leopard, and Leopard cat from PNHZ Park Darjeeling.

# 23 REINTRODUCTION Programme

A planned conservation Breeding Project as a part of the Global Captive Breeding master plan was initiated in the early 90's in the Zoological Park in response to the International Conservation efforts. The main aim of this reintroduction programme is to make efforts at planned conservation breeding of the species and their multiplication for a demographically stable and genetically healthy population.



Two pairs (2:2) of Red Panda namely Smile, Shifu, Noel and Yeshe from PNHZP were restocked in Gairibans Singalila National Park on 15.01.2022 in presence of Shri. Rajendra Jakhar, CCF Wildlife North, Dr. Basavaraj S. Holeyachi, Director PNHZP, Shri. S. S. S. S. Sherpa, DFO Darjeeling, Wildlife Division, Dr. Joy Dey, ADVO PNHZP and Shri. Shiromani Syangden, Estate Officer PNHZP. This is the second time when the park restocked Red Pandas in the wild, the first was done back in the year 2003-2004.

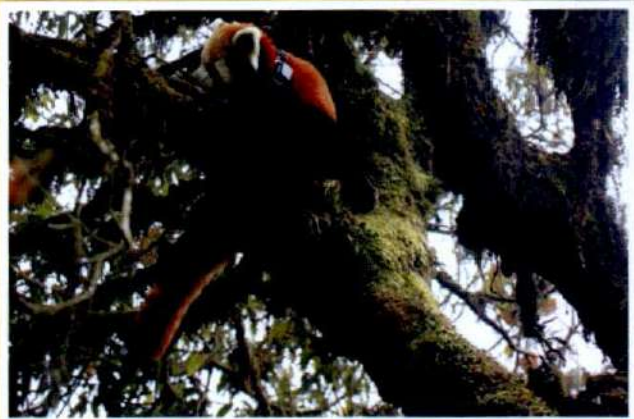
One pair (1:1) of Himalayan Goral and two pairs of Red Jungle Fowl (2:2) from PNHZP were released in Mahananda Wildlife Sanctuary on 12.01.2022 in presence of Shri. Rajendra Jakhar, CCF Wildlife North, Dr. Basavaraj S. Holeyachi, Director PNHZP, Shri. S. S. S. S. Sherpa, DFO Darjeeling, Wildlife Division, Shri. Partha Sarathi Pramanik, Deputy Director PNHZP, Dr. Joy Dey, ADVO PNHZP and Shri. Shiromani Syangden, Estate Officer PNHZP. This is the first time Goral reintroduction into the wild was done in West Bengal.



# 24 Final Release of Red Panda at Gairibans, Singalila National Park.

Two pairs of Red Panda which were released in the soft release facility at Gairibans Singalila National Park on 15.01.2022 were finally released from the soft release facility at Gairibans into the wild in presence of the Member Secretary, Central

Zoo Authority (CZA), Dr. Sanjay Shukla, IFS. Dr. Basavaraj S. Holeyachi, IFS, Director, PNHZ Park and, Shri S. S. S. S. Sherpa, IFS, DFO, Darjeeling Wildlife Division on 26.03.2022





# 25 ADOPTION

A noble thought by the zoo giving opportunity to the general public to adopt the animal species in their collection for taking care of them or their adoption. 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 practically participating in the conservation of our rich heritage.

## ADOPT AN ANIMAL

BE A PART OF PNHZP FAMILY

Sl No.	Name of Animals	Amount (Annual)	Amount (Monthly)
1.	Red Panda/ Himalayan Wolf	Rs. 60,000.00	
2.	Snow Leopard	Rs. 1,00,000.00	
3.	Leopard/ Black Panther	Rs. 1,00,000.00	Rs. 10,000.00
4.	Bengal Tiger	Rs. 2,00,000.00	Rs. 20,000.00
5.	Asiatic Black Bear	Rs. 40,000.00	
6.	Sambar Deer/ Mishmi Takin	Rs. 15,000.00	Rs. 1500.00
7.	Smaller Herbivores (Himalayan Goral/ Himalayan Tahr/ Markhor/ Blue Sheep/ Barking Deer)	Rs. 10,000.00	Rs.1000.00
8.	Small Carnivores (Leopard Cat/ Jungle cat/ Himalayan Palm Civet/ Asian Palm Civet/ Jackal) Primate (Common Grey Langur)	Rs. 15,000.00	Rs. 1500.00
9.	Pheasant (Kali)/ Golden Pheasant/ Lady Amherst Pheasant/Silver Pheasant)	Rs. 7000.00	Rs.700.00
10.	Red Jungle Fowl	Rs.3500.00	Rs. 350.00
11.	Exotic Birds (Grey Parrot/ Bare eyed cockatoo/ Blue and Yellow Macaw/ Red and Blue Macaw)	Rs.10000.00	Rs. 1000.00
12.	Other Birds (Roseate Cockatoo/ Temminck's Tragopan/ Himalayan Monal/ Grey Peacock Pheasant/Reeves Pheasant)	Rs.5000.00	Rs. 500.00
13.	Sulphur Crested Cockatoo	Rs. 8000.00	Rs. 800.00
14.	Rose- ringed Parakeet	Rs. 3000.00	Rs. 300.00
15.	Cockatiel	Rs. 2000.00	Rs. 200.00
16.	Snakes (Sand Boa/ Indian Rock Python/ Russel's viper)	Rs. 10,000.00	Rs. 1000.00
17.	Amphibian (Himalayan Newt)	Rs. 3000.00	Rs.300.00

For more information contact us on: [pnhzp@yahoo.com](mailto:pnhzp@yahoo.com)



Sl. No.	Name of institute/person	Name of Animal	Duration
1.	Vanachar welfare of flora & fauna foundation	Russel's Viper	15 <sup>th</sup> February 2022 to 14 <sup>th</sup> February 2023
2.	Mr. Sangam Tamang	Leopard Cat Name: Chetna Sex: Female Transponder no. 0007150946	22 <sup>nd</sup> February 2022 to 23 <sup>rd</sup> February 2023

# 26 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.

- There have been 56 captive births of snow leopards until 2018 in the zoo.



## 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
2	Vishna	M	620	Helsinki
3	Persia	F	697	Toledo Zoo
4	Hank	M	1059	Litterock
5	Quizil	M	1472	Zurich
6	Quilla	F	1473	Zurich
7	Quetta	F	1474	Zurich
8	Tyson	M	1850	Hubstrand .Sweden
9	Neeta	F	2228	Leh
10	Meeta	F	-	Srinagar

YEAR	SEX RATIO/TOTAL BIRTH						
	M	F	U	Total birth	M	F	Total survivality
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-present	5	4	0	8	2	1	3
<b>Total</b>	<b>38</b>	<b>26</b>	<b>4</b>	<b>67</b>	<b>10</b>	<b>10</b>	<b>20</b>

## 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 23 (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 (SNP, Darjeeling).

- As a part of the augmentation project, titled "Red Panda Augmentation in Singalila National Park and Neora Valley National Park 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 CBC, PNHZ Park. They will be shifted to the Soft release facility at Gairibas for further acclimatization.



**Current stock of Red Panda as on 31st March 2022 :**

Sl. No	NAME	STUD BOOK NO.	SEX	SIRE	DAM	DT OF ACQ	DOB	TRANSPONDER NO
1	Ram	1088	M	John	Sheetal	Captive born	22.6.10	0006B82659
2	Janaki	1089	F	John	Sheetal	Captive born	22.6.10	0006B7428B
3	Rigsel	0789	F	Rahul	Lucky	31.10.11 from Sikkim Zoo	28.05.07	0006B7107E
4	Kitchi	13176	F	Kaijalay	Rigsel	Captive born	27-6-2013	956000002145534
5	Shova	11116	F	Ram	Lucky	22.02.2014 from Sikkim Zoo	07.6.2011	956000002158277
6	Balam	15117	M	Kaijalay	Janaki	Captive born	07.6.2015	00074C5ADA
7	Prashana	15118	F	Ram	Shova	Captive born	16.6.2015	000715472D
8	Karma	10118	F	Ram	Lucky	23.11.2015 from Sikkim Zoo	3.6.2010	956000002158469
9	Angela	1794	F	Balam	Rigsel	Captive born	08.7.2017	00074D578B
10	Pabu	1796	M	Shifu	Prashana	Captive born	16.7.2017	007152639
11	Sunita	1889	F	Shifu	Janaki	Captive born	29.6.2018	00071F3684
12	Kimbu	1890	M	Noel	Kitchi	Captive born	09.07.2018	0074C5D9E
13	Numa	1891	F	Noel	Kitchi	Captive born	09.07.2018	000715305B
14	Nikki	1892	F	Noel	Kitchi	Captive born	09.07.2018	00071565D0
15	Prasanjit	195001	M	Shifu	Prasanna	Captive born	06.06.2019	0007150AB4
16	Satvik	195002	M	Balam	Shova	Captive born	01.07.2019	00074C7316
17	Tista	205004	F	Karma	Pabu	Captive Born	13.07.20	920051200000956
18	Nira	205002	F	Nikki	Ram	Captive Born	26.06.20	
19	Nova		F	Shobha	Noel	Captive Born	24.06.21	
20	Shrawani		F	Shobha	Noel	Captive Born	24.06.21	
21	Julie		F	Kitchi	Satvik	Captive Born	06.07.21	
22	Saki		F	Kitchi	Satvik	Captive Born	06.07.21	
23	Asha		F	Angela	Pabu	Captive Born	02.07.21	

# 27 ANIMAL ACQUISITION / TRANSFER / EXCHANGE

during the year 2021-2022

## A Animals arriving in the Zoo

Sl.No.	Species	Number (M: F)	From which Zoo	Date of arrival in the zoo
--------	---------	------------------	----------------	-------------------------------

**PNHZ Park did not acquire any animals from any of the zoos in the year 2021-2022**

## B Animals transferred from the Zoo

Sl. No.	Species	Number (M: F:U)	Going to which Zoo	Date of deposition from the \ zoo
01.	Temminck's tragopan ( <i>Tragopan temminckii</i> )	1:2:0	North Bengal Wild Animals Park, Siliguri	04.01.2022
02.	Lady Amherst's pheasant ( <i>Chrysolophu samherstiae</i> )	2:1:0	North Bengal Wild Animals Park, Siliguri	04.01.2022
03.	Silver pheasant ( <i>Lophura nycthemera</i> )	2:2:0	North Bengal Wild Animals Park, Siliguri	04.01.2022
04.	Golden pheasant ( <i>Chrysolophus pictus</i> )	2:2:0	North Bengal Wild Animals Park, Siliguri	04.01.2022
05.	Red Jungle Fowl ( <i>Gallus gallus</i> )	2:2:0	North Bengal Wild Animals Park, Siliguri	04.01.2022
06.	Temminck's tragopan ( <i>Tragopan temminckii</i> )	1:2:0	Garchmuk Deer Park, Howrah	07.01.2022
07.	Lady Amherst's pheasant ( <i>Chrysolophus amherstiae</i> )	2:1:0	Garchmuk Deer Park, Howrah	07.01.2022
08.	Silver pheasant ( <i>Lophura nycthemera</i> )	2:2:0	Garchmuk Deer Park, Howrah	07.01.2022
09.	Golden pheasant ( <i>Chrysolophus pictus</i> )	2:2:0	Garchmuk Deer Park, Howrah	07.01.2022
10.	Red Jungle Fowl ( <i>Gallus gallus</i> )	2:2:0	Garchmuk Deer Park, Howrah	07.01.2022
11.	Lady Amherst's pheasant ( <i>Chrysolophus amherstiae</i> )	2:1:0	Junglemahal Zoological Park, Jhargram	07.01.2022
12.	Silver pheasant ( <i>Lophura nycthemera</i> )	2:2:0	Junglemahal Zoological Park, Jhargram	07.01.2022
13.	Golden pheasant ( <i>Chrysolophus pictus</i> )	2:2:0	Junglemahal Zoological Park, Jhargram	07.01.2022

14.	Red Jungle Fowl ( <i>Gallus gallus</i> )	2:2:0	Junglemahal Zoological Park, Jhargram	07.01.2022
15.	Lady Amherst's pheasant ( <i>Chrysolophus amherstiae</i> )	2:1:0	Surulia Mini Zoo, Purulia	07.01.2022
16.	Silver pheasant ( <i>Lophura nycthemera</i> )	2:2:0	Surulia Mini Zoo, Purulia	07.01.2022
17.	Golden pheasant ( <i>Chrysolophus pictus</i> )	2:2:0	Surulia Mini Zoo, Purulia	07.01.2022
18.	Red Jungle Fowl ( <i>Gallus gallus</i> )	2:2:0	Surulia Mini Zoo, Purulia	07.01.2022



# 28 RESCUE & 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 any animals in the year 2021-2022					





# 29 ANNUAL INVENTORY REPORT

(01st April 2021 to 31st March 2022)

## Endangered species (Schedule I and II)

Sl. No	Animal Name	Scientific Name	Opening stock on 01.04.2021			Births			Acquisitions			Disposals			Deaths			Closing Stock on 31.3.2022		
			M	F	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U
<b>Birds</b>																				
1	Pheasant Cheer	<i>Catreus wallichii</i>	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
3	Pheasant Kalij	<i>Lophura leucomelana</i>	6	1	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Pheasant Monal	<i>Lophophorus impejanus</i>	1	1	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0
5	Tragopan Temminick's	<i>Tragopan temminicki</i>	8	14	0	22	0	0	7	0	0	2	4	0	1	0	1	0	1	0
<b>Total Birds</b>			<b>18</b>	<b>21</b>	<b>0</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>16</b>	<b>22</b>
<b>Mammals</b>																				
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
2	Cat Jungle	<i>Felis chaus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1
3	Cat Leopard	<i>Prionailurus bengalensis</i>	3	3	0	6	0	0	3	0	0	0	0	0	1	0	0	0	5	3
4	Civet Himalayan Palm	<i>Paguma larvata</i>	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0

S. No	Animal Name	Scientific Name	Opening stock on 01.04.2021			Births			Acquisitions			Disposals			Deaths			Closing Stock on 31.3.2022						
			M	F	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T			
5	Civet Common Palm	<i>Paradoxurus hermaphrodites</i>	4	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2	0	4	
6	Jackal	<i>Canis aures</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
7	Langur Common	<i>Semnopithecus entellus</i>	5	2	0	7	0	0	1	0	0	0	0	0	0	0	0	0	0	6	2	0	8	
8	Common Leopard	<i>Panther Pardus</i>	1	1	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	1	2	0	3	
9	Leopard Snow	<i>Uncia uncia</i>	3	6	0	9	0	0	8	0	0	0	0	0	0	0	0	0	2	4	5	6	11	
10	Loris Slow	<i>Nycticebus bengalensis</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
11	Markhor	<i>Capra falconeri</i>	2	4	0	6	0	0	5	0	0	0	0	0	0	0	0	0	1	0	4	6	0	10
12	Panda Red/ Lesser	<i>Ailurus fulgens fulgens</i>	8	12	2	22	0	0	6	0	0	0	0	2	2	0	0	0	0	1	6	17	0	23
13	Sheep Blue/ Bharal	<i>Pseudois nayaur</i>	7	5	0	12	2	1	0	0	0	0	0	0	0	0	1	1	0	8	5	0	13	
14	Tahr Himalayan	<i>Hemitragus jemlachi</i>	9	6	0	15	1	2	1	0	0	0	0	0	0	0	0	0	1	10	7	0	17	
15	Tiger Bengal	<i>Panthera tigris tigris</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
16	Wolf Tibetan	<i>Canis lupus himalayensis</i>	2	4	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	6	
17	Mishmi Takin	<i>Budorcas taxicolor</i>	2	3	1	6	1	0	0	0	0	0	0	0	0	0	0	0	0	3	4	0	7	
<b>Total Mammals</b>			<b>53</b>	<b>52</b>	<b>3</b>	<b>108</b>	<b>4</b>	<b>3</b>	<b>24</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>6</b>	<b>58</b>	<b>62</b>	<b>0</b>	<b>120</b>		

Reptile/ Amphibian		Closing Stock on 31.3.2022																							
S. No	Animal Name	Scientific Name	Opening stock on 01.04.2021				Births			Acquisitions			Disposals			Deaths			Closing Stock on 31.3.2022						
			M	F	U	T	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	Burmese Python	<i>Python bivittatus</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	Indian Rat Snake	<i>Ptyas mucosa</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	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	
6	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	0	0	50	
<b>Total Reptile/ Amphibian</b>			<b>8</b>	<b>9</b>	<b>37</b>	<b>54</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>7</b>	<b>8</b>	<b>52</b>	
<b>TOTAL ANIMALS</b>			<b>79</b>	<b>82</b>	<b>40</b>	<b>201</b>	<b>4</b>	<b>3</b>	<b>32</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>6</b>	<b>0</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>81</b>	<b>92</b>	<b>37</b>	<b>210</b>		





**Other Species (Schedule III and IV)**

S. No	Animal Name	Scientific Name	Opening stock on 01.04.2021				Births				Acquisitions				Disposals				Deaths				Closing Stock on 31.3.2022							
			M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T				
	<b>Birds</b>																													
1	Red Jungle Fowl	<i>Gallus gallus</i>	15	18	13	46	0	0	0	34	0	0	0	0	10	10	0	0	0	0	0	0	2	7	20	26	5	5	5	51
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	0	0	0	0	0	0	5
<b>Total Birds</b>			<b>15</b>	<b>18</b>	<b>18</b>	<b>51</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>7</b>	<b>20</b>	<b>26</b>	<b>10</b>	<b>5</b>	<b>5</b>	<b>56</b>
<b>Mammals</b>																														
1	Deer Barking	<i>Muntiacus muntjak</i>	5	2	0	7	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	0	8
2	Deer Sambar	<i>Rusa unicorn</i>	1	2	0	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	0	0	0	3
3	Goral	<i>Naemorhedus goral</i>	13	12	0	25	6	3	0	0	0	0	0	0	1	1	0	1	0	0	0	0	1	0	17	14	0	0	0	31
<b>Total mammals</b>			<b>19</b>	<b>16</b>	<b>0</b>	<b>35</b>	<b>6</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>23</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>42</b>
<b>1</b>																														
1	Sand Boa	<i>Eryx johnii</i>	1	0	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	5	0	0
2	Himalayan Pit Viper	<i>Gloydius himalayanus</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
<b>Total Reptile</b>			<b>1</b>	<b>1</b>	<b>5</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>5</b>	<b>0</b>	<b>0</b>
<b>TOTAL ANIMALS</b>			<b>35</b>	<b>35</b>	<b>23</b>	<b>93</b>	<b>6</b>	<b>3</b>	<b>36</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>11</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>8</b>	<b>44</b>	<b>45</b>	<b>14</b>	<b>10</b>	<b>14</b>	<b>103</b>

Exotic Species																																										
S. No	Animal Name	Scientific Name	Opening stock on 01.04.2021							Births							Acquisitions						Disposals						Deaths						Closing Stock on 31.3.2022							
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U									
1	Cockatiel	<i>Nymphicus hollandicus</i>	0	0	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Bare Eyed Cockatoo	<i>Cacatua sanguinea</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
3	Sulphur Crested Cockatoo	<i>Cacatua galerita</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4	Roseate Cockatoo	<i>Elophus roseicapilla</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
5	Red and Blue Macaw	<i>Ares chloropterus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
6	Blue and Gold Macaw	<i>Ares chloropterus</i>	1	1	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3
7	African Grey Parakeet	<i>Psittacus erithacus</i>	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
8	Golden Pheasant	<i>Chrysolophus pictus</i>	11	25	0	36	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	29	0	42
9	Lady Amhrest Pheasant	<i>Chrysolophus amherstiae</i>	12	12	0	24	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	14	9	24
10	Reeves Pheasant	<i>Syrnaticus reevesii</i>	0	6	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
11	Silver Pheasant	<i>Lophura nycthemera</i>	19	17	0	36	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	8	8	0	0	0	0	0	0	0	0	0	0	2	13	14	37				
<b>Total exotic birds</b>			<b>47</b>	<b>66</b>	<b>10</b>	<b>123</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>58</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>127</b>	<b>46</b>	<b>63</b>	<b>18</b>	<b>127</b>				
<b>GRAND TOTAL</b>			<b>161</b>	<b>183</b>	<b>73</b>	<b>417</b>	<b>10</b>	<b>6</b>	<b>126</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>39</b>	<b>0</b>	<b>10</b>	<b>15</b>	<b>19</b>	<b>171</b>	<b>0</b>	<b>37</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>127</b>	<b>69</b>	<b>200</b>	<b>69</b>	<b>440</b>	<b>15</b>	<b>15</b>	<b>19</b>	<b>440</b>	<b>10</b>	<b>171</b>	<b>200</b>	<b>440</b>				

# 30

## MORTALITY OF ANIMALS

(01st April 2021 to 31st March 2022)

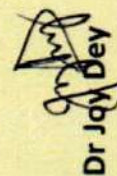
Mortality list of Padmaja Naidu Himalayan Zoological Park from 01.04.2021 to 31.03.2022							
Sl No	Date of death	Animal	Date of birth	Age	Sex	No	Cause of Death
1	06.04.2021	Himalayan Goral (Dhiraj)	16.01.2021	2 months 20 days	M	1	Hypovolemic shock, negative pressure built up leading to cardio respiratory failure. Punctured by the horn of an another goral.
2	26.04.2021	Red Jungle Fowl (chick)	22.03.2021	1 month	M	1	Tentatively due to enteritis
3	27.04.2021	Red Jungle Fowl (chick)	24.03.2021	1 month	M	1	Tentatively due to enteritis
4	29.04.2021	Red Jungle Fowl (chick)	28.03.2021	1 month	F	1	Hypovolemic shock due to predation
5	07.05.2021	Snow Leopard (Teesta)	29.03.2002	19 years 1 month 8 days	F	1	Multi organ failure due to old age may be complicated with septicaemia
6	10.05.2021	Silver Pheasant	03.05.2008	3 years 7 days	F	1	Due to haemorrhagic enteritis
7	16.05.2021	Temminck's tragopan	16.06.2013	7 years 10 months 27 days	M	1	Maybe due to dashing during mating
8	17.05.2021	Silver Pheasant	18.04.2021	1 month	M	1	Due to haemorrhagic enteritis

9	18.05.2021	Markhor (Aastha)	08.05.2020	1 year 10 days	F	I	Due to cardio respiratory failure from carbohydrate engorgement.
10	24.05.2021	Himalay tahr fawn	23.05.2021	1 day	F	I	Due to rejection by dam (ill nursing).
11	25.05.2021	Burmese Python	unknown	Adult	F	I	Maybe due to enteritis
12	26.05.2021	Lady Amherst	26.05.2008	13 years	F	I	Old age associated with multiple tumor
13	07.06.2021	Red Panda cub	04.06.2021	3 days	M	I	Syncope along with asphyxia may be due to shock
14	03.06.2021	Himalayan Pit Viper	unknown	Adult	M	I	Due to pneumonia
15	11.06.2021	Himalayan Tahr	10.06.2021	1 day	F	I	Due to hypovolemic shock
16	30.06.2021	Snow Leopard (Cub)	30.06.2021	1 day	M	I	Still born
17	01.07.2021	Snow Leopard (Cub)	29.06.2021	1 day	M	I	Ill nursing by mother
18	02.07.2021	Snow Leopard (Cub)	30.06.2021	2 days	F	I	Ill nursing by mother
19	03.07.2021	Snow Leopard (Cub)	30.06.2021	3 days	M	I	Cardia arrest from flatulence (ill nursing)
20	03.07.2021	Red Jungle fowl chick	19.06.2021	15 days	U	I	Ill nursing by mother
21	09.07.2021	Red Jungle fowl chick	10.05.2021	1 month 30 days	U	I	Pneumonia

22	14.07.2021	Indian sand boa	unknown	adult	U	I	Due to multiple tumors
23	21.07.2021	Red Jungle fowl chick	19.06.2021	1 month 2 days	U	I	Ill nursing by mother
24	27.07.2021	Red Jungle fowl chick	19.06.2021	1 month 8 days	U	I	Ill nursing by mother
25	28.07.2021	African Grey Parrot	unknown	adult	U	I	Infighting
26	29.07.2021	Red Jungle Fowl	04.05.2018	3 years 2 months 25 days	F	I	Due to hypovolemic shock
27	31.07.2021	Tragopan Temminick's	15.05.2021	2 months 16 days	U	I	Pneumonia
28	02.08.2021	Blue Sheep Angelina	27.05.2013	8 years and 2 months	F	I	Due to cardio respiratory failure tentatively due to Peste des Petits Ruminants (PPR)
29	16.08.2021	Lady Amherst	21.06.2021	47 days	F	I	Tentatively due to acute pneumonia
30	20.08.2021	Lady Amherst	06.06.2021	2 months 14 days	M	I	Cardio respiratory failure due to enetritis
31	21.08.2021	Indian Rat Snake	unknown	Adult	M	I	Tentatively due to infectious stomatitis
32	26.08.2021	Red Jungle fowl	21.05.2013	7 years 3 months 5 days	F	I	May be due to dashing
33	26.08.2021	Silver pheasant chick	20.05.2021	4 months	M	I	Tentatively due to pneumonia
34	02.10.2021	Blue Sheep Arjun	27.05.2013	14 months	M	I	Cardio-respiratory failure due to infective cause



35	05.10.2021	Cockatiel	unknown	Adult	M	I	Hypovolumic shock from injuries due to infighting
36	27.10.2021	Snow Leopard Zima cub	21.06.2021	6months 17 days	F	I	Asphayxia due to infective cause
37	29.12.2021	Cheer Pheasant	29.12.2021	16yrs 5months 21 days	F	I	Multiorgan failure due to senility
38	14.12.2021	Common Palm Civet	21.04.2014	8yrs 8months	M	I	Tentatively due to pneumonia
39	01.12.2021	Blue & Gold Macaw	unknown	unknown	F	I	Tentatively due to acute pneumonia
40	30.12.2021	Jackal James	unknown	13 years	M	I	Cardio-respiratory failure due to multi-organ failure
41	09-01-2022	Civet Common Palm Kushal	wild born	11 years	M	I	Acute Pneumonia
42	06.02.2022	Deer Sambar Kali	01.09.2003	23years	F	I	Multi-organ failure due to senility
43	07.02.2022	Silver Pheasant	03.05.2018	2years 9m 4days	M	I	Cardio- respiratory failure due to dashing
44	03.03.2022	Leopard Cat Scooby	22.05.2021	9months 8days	M	I	Tentatively due to acute pneumonia



Dr. Joy Dey

Assistant Director cum  
Veterinary Officer PNHZ Park

# 31 Compliance with conditions stipulated by the Central Zoo Authority (CZA)

The Evaluation team comprising of Shri Rupak De, IFS (Retired) and Dr A.B. Srivastava visited PNHZ Park from 1st March to 3rd March, 2020. The evaluation team has submitted its evaluation report to CZA. The recognition of PNHZ Park as a medium zoo has been renewed up to August 19th, 2022.

K. N. Chaudhuri  
19/03/2021

Padmaja Naidu Himalayan  
Zoological Park Society  
DARJEELING  
Date: 18/03/2021  
629

## WEST BENGAL ZOO AUTHORITY

(A Registered Society under the Department of Forests, Government of West Bengal)

Ref: 801 /WBZA/ T-3 /20-21

Date: 12 / 3 /2021

From:

Saurabh Chaudhuri, IFS  
Member Secretary

To:

The Director  
Padmaja Naidu Himalayan Zoological Park  
Darjeeling

Sub: Renewal of recognition of the Padmaja Naidu Himalayan Zoological Park, Darjeeling, West Bengal. Under Section 38-H of the Wild Life (Protection) Act, 1972- Regarding

Ref: CZA office file no. 19-20/92-CZA(325)(Vol.X)(E), , dtd.025.02.2021

With reference to the above mentioned letter, this is to inform you that the Central Zoo Authority has regularized the period after January, 2019 and renewed recognition of the Padmaja Naidu Himalayan Zoological Park, Darjeeling as a **Medium Zoo** for a period up to **August 19, 2022** subject to compliance with conditions mentioned by Central Zoo Authority letter as per the Recognition of Zoo Rules, 2009 (RZR) and mid-term evaluation of the zoo.

In this context, you are requested to take necessary action for implementation of the conditions given by Central Zoo Authority & submit Compliance Report to Central Zoo Authority with CC to West Bengal Zoo Authority.

Member Secretary  
West Bengal Zoo Authority

Encl: As stated above

Aranya Bhawan, 2<sup>nd</sup> Floor, Block - LA-10A, Sector - III, Salt Lake City, Kolkata 700 106, West Bengal  
Phone: +91 33 23355011 (EPABX), FAX: +91 33 23350012  
E-mail: [mswbza@gmail.com](mailto:mswbza@gmail.com), [wbzooauthority@yahoo.in](mailto:wbzooauthority@yahoo.in)

TA/T-3

19/02/2021  
13748/2021

File No.19-20/92-CZA(325)(Vol.X)(E)

19

Computer No.145290



Government of India  
Ministry of Environment, Forest and Climate Change  
CENTRAL ZOO AUTHORITY

B-1 Wing, 6<sup>th</sup> Floor,  
Pandit Deendayal Antyodaya Bhawan,  
CGO Complex, Lodhi Road, New Delhi - 110 003,  
Telephone: +91-11-24367846/51/52, E-mail: cza@nic.in

Dated 25/02/2021

To  
The Chief Wildlife Warden,  
Department of Forests,  
Aranya Bhawan, Bidhan Nagar,  
Block -LA , No - 10A , Sector -III, Kolkata - 700 106,  
E-mail: wb.wildlife@gmail.com

**Subject: Renewal of recognition of the Padmaja Naidu Himalayan Zoological Park, Darjeeling, West Bengal, under Section 38-H of the Wild Life (Protection) Act, 1972 - regarding**

**Reference:**

1. This Office Memorandum F.No.7-10/2020-CZA(PART-I) dated August 25, 2020
2. This Office letter F.No.21-2/2019-CZA(AK)/2075/2020 dated January 10, 2020
3. This Office letter F.No.19-20/92-CZA(325)/2016 dated March 3, 2016
4. Application vide letter No. 804 & 805/P.A.62(GENL/GRANT-RECOGN)-CZA/PNHZP/18-19 dated December 21, 2018 from the Director, Padmaja Naidu Himalayan Zoological Park (PNHZP), Darjeeling

Sir,

With reference to above, the undersigned is directed to inform that recognition of the Padmaja Naidu Himalayan Zoological Park, Darjeeling under Section 38-H of the Wild Life (Protection) Act, 1972, was valid till January 20, 2019. Application vide letter dated December 21, 2018 received in this office from the Director, Padmaja Naidu Himalayan Zoological Park (PNHZP), Darjeeling, for renewal of recognition. Shri Rupak De, IFS (Retired) and Dr. A. B. Shrivastava, Former Director, SWFH, Jabalpur, evaluating officers deputed by this office have evaluated the zoo on March 1 to 3, 2020. Copy of the Evaluation Report is enclosed herewith for your perusal and needful action.

2. Evaluation Report of the Padmaja Naidu Himalayan Zoological Park, Darjeeling was placed before the Technical Committee in its 96<sup>th</sup> Meeting held on July 30, 2020. The Technical Committee, after detailed deliberation, made its recommendation to the Central Zoo Authority.
3. This office issued Office Memorandum F.No.7-10/2020-CZA(PART-I) dated August 25, 2020 regarding renewal of recognition of the zoo. Subsequently, the Central Zoo Authority, in its 37<sup>th</sup> Meeting held on December 7, 2020, in exercise of powers conferred under sub-section (1), (3) and (4) of Section 38-H under the Wild Life (Protection) Act, 1972, approved recommendation of the Technical Committee.

4. The Central Zoo Authority has regularised the period after January 20, 2019 and renewed recognition of the Padmaja Naidu Himalayan Zoological Park, Darjeeling as a Medium Zoo for a period up to **August 19, 2022** subject to compliance with following conditions as per the Recognition of Zoo Rules, 2009 (RZR) and mid-term evaluation of the zoo.

Sl.	Norm No. under RZR	Condition	Time period to comply
<b>1. General requirements:</b>			
1	10.1(7)	Wind power harvesting may be explored at <del>Topkeydara</del> to compensate for irregular electric supply.	One year
<b>3. Development and Planning:</b>			
2	10.3(3) & 10.6(3)	Zoo should have latest light weight double barrel immobilising equipment. Zoo should also have a pick-up van, suitable to terrain, for efficiently handling rescue operations and also for quick movements considering that zoo have three different centres located at one hour distance from each other.	One year
<b>6. Veterinary and infrastructure facilities:</b>			
3	10.6(1)	The veterinary unit at Dow hill need to be improved further. The existing operation theatre may be provided with a preparatory room and double door entry.	One year
4	10.6(1)	The veterinary unit may be provided with portable digital X-ray machine, colour Doppler and also well-equipped vehicle suitable for rough terrain. The vehicle should have arrangements for immobilising equipment-shelf, mobile refrigerator, shelf for medicines and drugs. The vehicle is required for veterinary unit.	One year
5	10.6(1)	Zoo should have haematocrit micro centrifuge machine (75mm)	Six months
6	10.6(3)	Post-mortem room in the zoo should be well equipped with requisite tools.	Six months

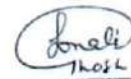
5. A compliance report to the Central Zoo Authority on implementation of the aforesaid conditions shall be submitted by the zoo within three months of issue of this letter followed by half-yearly report.

6. The renewal of recognition of the Padmaja Naidu Himalayan Zoological Park, Darjeeling for period beyond August 19, 2022 as a Medium Zoo would be considered on the basis of compliance of the conditions stated above and general performance of the zoo.

7. The recognition of the Padmaja Naidu Himalayan Zoological Park, Darjeeling shall be revoked by the Central Zoo Authority at any point of time if the Zoo Operator is found not complying with the stipulated conditions.

This issues with approval of the competent authority.  
Encls. As above

Yours sincerely



(Sonali Ghosh)

# 32 List of free living animals within the zoo premises

## MAMMALS

01. Golden jackal
02. Bengal fox
03. Himalayan palm civet
04. Himalayan yellow throated martin
05. Hoary bellied Himalayan squirrel
06. Giant flying squirrel
07. Barking deer
08. Leopard Cat
09. Assam macaque
10. Yellow bellied weasel

## REPTILES

01. Common House Gecko
02. Gray's Skink
03. Common Skink
04. Green Trinket Snake
05. Himalayan Pit Viper

## BIRDS

01. Large-billed Crow
02. Green-backed Tit
03. Brownish-flanked Bush Warbler
04. Chestnut-crowned Laughingthrush
05. Red-billed Leiothrix
06. White-tailed Nuthatch
07. Grey-winged Blackbird
08. Blue Whistling-Thrush
09. 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. Dark-sided Flycatcher
85. Mountain Hawk-Eagle
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



At PNHZP



At Dowhill

# OUR TEAM

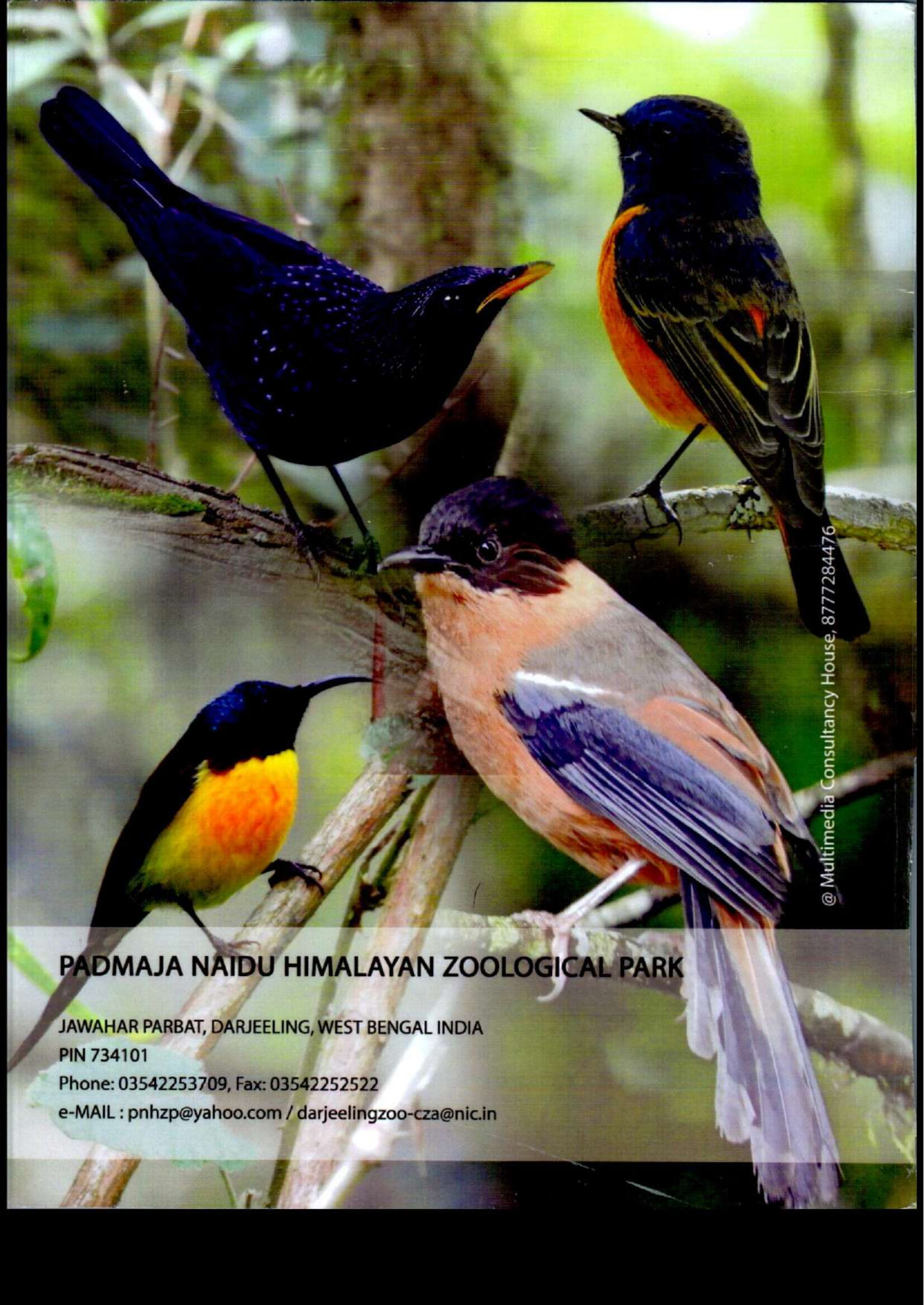


At Topkeydara



# SPECIAL ACHIEVEMENT this year

The Park successfully released 4 Red Panda (2:2) in the wilderness of Singalila National Park, Gairibans on 26.03.2022



@ Multimedia Consultancy House, 8777284476

**PADMAJA NAIDU HIMALAYAN ZOOLOGICAL PARK**

JAWAHAR PARBAT, DARJEELING, WEST BENGAL INDIA  
PIN 734101

Phone: 03542253709, Fax: 03542252522

e-MAIL : pnhzp@yahoo.com / darjeelingzoo-cza@nic.in