

HIMALAYAN ZOOLOGICAL PARK

BULBULEY, GANGTOK-737103

SIKKIM

Annual Report for the year

2019-20



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REPORT OF THE OFFICER-IN-CHARGE:

Cradled in Gangtok's picturesque hill crest, Bulbulay, at altitudes ranging from 6,545ft-8,125ft asl, the Himalayan Zoological Park sprawls over an impressive expanse of 230 Ha of lush virgin reserve forest, overlooking the magnificent Khangchendzonga Range. Its varied terrain, ranging from steep rocky surfaces to gentle grassy slopes complimented by varying types of vegetation offers congenial natural surroundings for many of Sikkim's Himalayan species, thus providing safe haven for the park's captive collection housed in mostly naturalistic enclosures.

The Himalayan Zoological Park is not merely for the display of wild animals but was originally established with the objective of conserving the State's rapidly dwindling wildlife. The HZP contributes towards conservation breeding of endangered species such as the state animal Red Panda, Blue Sheep and Himalayan Tahr.

Most enclosures within the Himalayan Zoological Park are based on "Immersion Exhibit" concept allowing the animals and visitors to be immersed within the animal's natural habitat without creation of additional artificial structures, save barriers. Enclosures are kept as natural as possible by simply creating enclosed spaces around existing landscapes allowing animals to encounter varied land formations as they would naturally do in the wild. Such enclosures have also encouraged our captive animals to breed extremely well. HZP has witnessed successful breeding in its captive populations of Red Panda, Goral, Blue Sheep and Himalayan Tahr.

In the financial year of 2019-20, the HZP saw the birth of two Himalayan Goral females, one Barking Deer and one Himalayan (Tahr female). With the upgradation of the Zoo Hospital the HZP is also now able to conduct in house blood tests and fecal examination of the animals housed. The rescue team of the park as also, as always contributed much to the Sikkim Forests & Environment Department during rescue missions of Himalayan Black Bear and Rhesus macaque involved in man-animal conflicts.



Sangay Gyatso Bhutia
Director
Himalayan Zoological Park
Forest & Environment Deptt.
Govt. of Sikkim

HISTORY:

The history of zoos in Sikkim dates back to the 1950s when there was just the Rustomji Deer Park created around a hill top near the Old Tashiling Secretariat, Gangtok established by the then monarchical Government. The Deer Park, as it was more popularly known, used to house mainly Sambar, Spotted Deer, Barking Deer, Asiatic Black Bear and Red Panda. The Deer Park was small in size and had no place for further animals with no scope for breeding. It was only in the late 1990s that the higher echelons in administration desired to establish a proper zoological park in Gangtok to promote wildlife conservation, tourism, aesthetic values and also to shift the Deer Park animals to the new, more spacious set-up. This initiative yielded into the present Himalayan Zoological Park at Bulbulay.

Bulbulay Reserve Forest falls under the jurisdiction of the Gangtok Territorial range in the East Forest Division. The lower part of the RF bound by the Eastern Bye-Pass Road above Raj Bhawan commencing from 2nd Mile through Ganesh Tok towards Tashi View Point and the approach road to Ratey Chu was earmarked for the establishment of the Himalayan Zoological Park by the then Government in the late 1990s. This part of the forest was earlier accessible to the locals residing in the villages of Upper Burtuk, SelepTanki, Upper Chandmari, Tathangchen, 2nd Mile JN Road, 3rd Mile JN Road and 4th Mile JN Road for collection of fuel wood, fodder plants, grazing of livestock and to some extent- collection of medicinal plants for traditional use. Wildlife such as Barking Deer, Serow, Kalij Pheasant and smaller birds fell prey to local hunters. The forest area began to show degradation with human interference. Before it was too late, the lower part of the reserved forest was selected and taken up for the present Himalayan Zoological Park. The natural forest mainly of smaller bamboos, trees, shrub, herbs, shrubs ferns and a few exotic *Dhuppi* (*Cryptomeria japonica*) introduced in the area flourished well under care and protection. The forest denizens- mammals, birds, reptiles, amphibians and insects also started multiplying with the increase in forest cover. The area was surveyed and a detailed project report was drawn for establishing a new Zoo at Bulbulay, Gangtok.

The Himalayan Zoological Park was formally opened to the public in 1997 and through the years has slowly made developments in terms of basic infrastructure, veterinary care and animal management. Although it covers a large area, the animal collection is small in comparison as the HZP primarily focuses on housing locally available wildlife species that do well in the unique micro-climate of the park. The HZP has successfully reared and bred Red Panda over the years as a participating zoo in the Conservation breeding program for the species. The HZP has also been successful in breeding and raising Blue Sheep and Himalayan Tahr and hopes to continue its efforts in conservation of these species.

VISION:

To ensure conservation of all endangered animals and their environment through a holistic approach towards captive management, education and research.

MISSION AND OBJECTIVES:

- Promoting :
 - ex-situ conservation breeding of endangered Himalayan species.
 - wildlife education, conservation, research and create awareness regarding the importance of wildlife.
- Protection and Preservation- HZP flora and fauna
- Visitor education and recreation
- Employment for the local people and help support their sustenance in their livelihood.

1. About us

S.No.	Particulars	Information
Basic Information about the Zoo		
1	Name of the Zoo	Himalayan Zoological Park
2	Year of Establishment	1997
3	Address of the Zoo	Himalayan Zoological Park, Bulbuley,737103, Gangtok, Sikkim
4	State	Sikkim
5	Telephone Number	+91-9933025113
6	Fax Number	NA
7	E-mail address	hzpsikkim@gmail.com
8	Website	NA
9	Distance from nearest	Airport:130kms
		Railway Station: 120kms
		Bus Stand: 15kms
10	Recognition Valid upto (Date)	20.01.2019 (new date not yet given post evaluation)

S.No.	Particulars	Information
11	Category of zoo	Small Zoo
12	Area (in Hectares)	230 Ha.
13	Number of Visitors (2018-2019)	Total Adult : 60, 445 numbers
		Total Children : 3736 numbers
		Total Indian : 59,946 numbers
		Total Foreigners : 499 numbers
		Total Visitors: 64,181 numbers
14	Visitors' Facilities Available in Zoo	Jeep-able road Cafeteria, Wash rooms with running water, Potable water taps around the park, Resting sheds and benches around the park
15	Weekly Closure Day of the Zoo	Thursday
Management Personnel of the zoo		
16	Name with designation of the Officer in-charge	Sangay Gyatso Bhutia – Director HZP
		C.P. Sharma – Divisional Forest Officer
	Name of the Veterinary Officer	Dr. Kongcho O. Lachenpa (from 02.04.2018-30.07.2019)
	Name of the Curator	Shri Tshering Thendup Bhutia – ACF HZP
	Name of the Biologist	Dr. Minla Z. Lachungpa (resumed veterinary duties post departure of Dr. Kongcho Ongmoo Lachungpa in addition to existing position of Zoo Conservation Biologist)
	Name of the Education Officer	Dr. Minla Z. Lachungpa
	Name of the Compounder/ Lab Assistant	Mr. Sohn Tshering Lepcha
Owner / Operator of the Zoo: Himalayan Zoological Park is an autonomous institution run under the Forests Environment and Wildlife Management Department of Sikkim		

S.No.	Particulars	Information
17	*Name of the Operator	Himalayan Zoological Park Society of Sikkim
18	Address of the Operator	Himalayan Zoological Park, Bulbuley, 737103, Gangtok, Sikkim
19	Contact details/Phone number of Operator	+91-9933025113
20	E-mail address of Operator	hzpsikkim@gmail.com

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

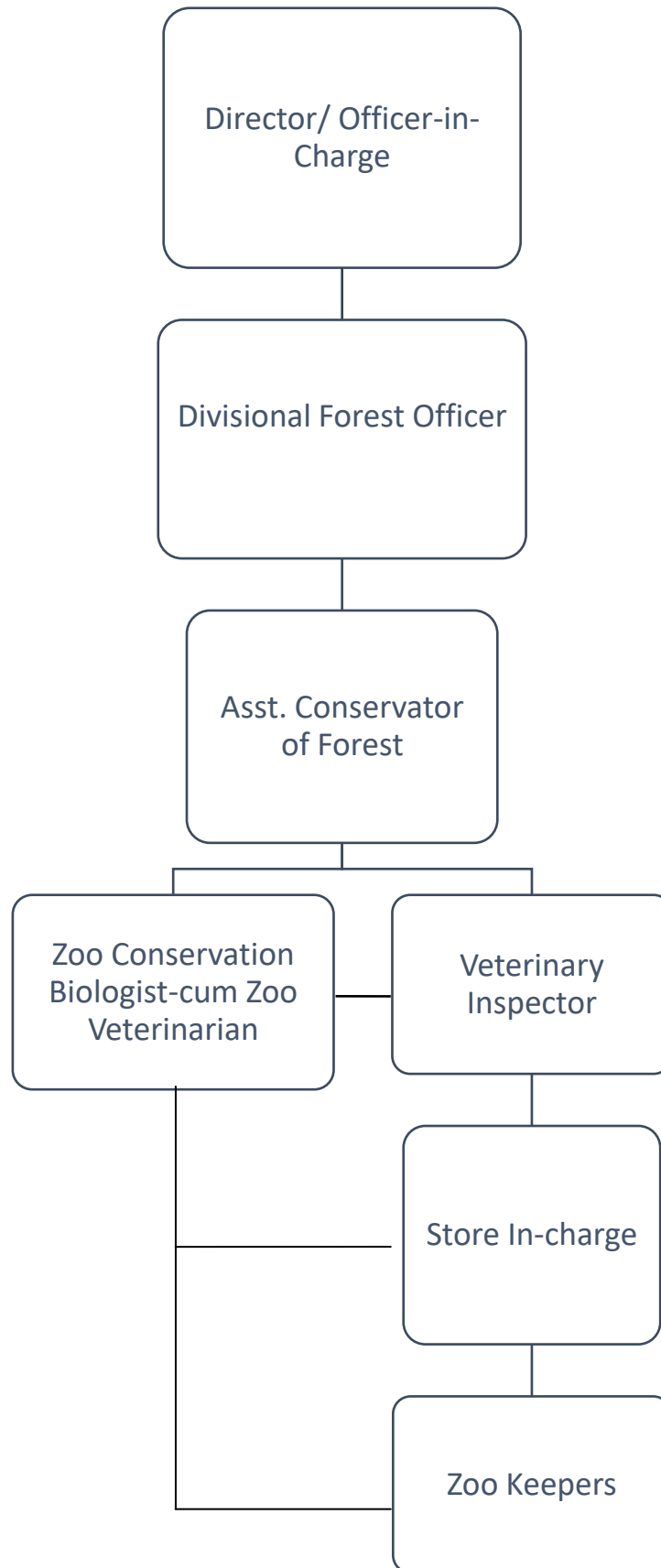
“Zoo Operator” means the person who has ultimate control over the affairs of the zoos provided that_____

I. in the case of a firm or other association of individuals, any one of the individual partners or members thereof; or

II. in the case of a company, any director, manager, secretary or other officer, who is in-charge of and responsible to the company for the affairs of the zoo; or

III. In case of zoo owned or controlled by the Central Government or any State Government or Union Territory Administration or any Trust or Society funded by the Central Government or a State Government or a Union Territory Administration, the Secretary of the concerned Department of that Government, or as the case may be the Union Territory Administration, shall be deemed to be the Zoo Operator.

2. Organizational Chart



3. Human Resources

Sl.No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1.	Director	1	Sangay Gyatso Bhutia
2.	Divisional Forest Officer	1	C.P. Sharma
3.	Assistant Conservator of Forest	1	T.T Bhutia
4.	Block Officer	1	Pemba Dorjee Tamang
5.	Forest Guard	2	Chetan Sharma Ran Maya Limboo
6.	Assistant Zoo Conservation Biologist	1	Dr. Minla Z. Lachungpa
7.	Zoo Veterinarian	1	Dr. Kongcho O. Lachenpa
8.	Zoo Veterinary Compounder	1	Mr. Sohn Tshering Lepcha
9.	Jr. Zoo Keeper	17	Mr. Ram Bahadur Tamang
10.	Jr. Zoo Keeper		Mr. Sonam Tshering Bhutia
11.	Jr. Zoo Keeper		Mr. Passang Namgyal Bhutia
12.	Jr. Zoo Keeper		Mr. Ongdi Bhutia
13.	Jr. Zoo Keeper		Mr. Kishan Rai
14.	Jr. Zoo Keeper		Mr. Choesang Samten Bhutia
15.	Jr. Zoo Keeper		Mr. Nim Tempa Sherpa
16.	Jr. Zoo Keeper		Mr. Sherab Dorjee Sherpa
17.	Jr. Zoo Keeper		Mr.Dhan Bahadur Chettri
18.	Jr. Zoo Keeper		Mr. Manoj Gurung
19.	Jr. Zoo Keeper		Mrs. Dil Maya Rai
20.	Jr. Zoo Keeper		Mr. Tashi Namgyal Bhutia
21.	Jr. Zoo Keeper		Mr. Dawa Tamang
22.	Jr. Zoo Keeper		Mr. Ratna Bahadur Rai
23.	Jr. Zoo Keeper		Mrs. Chenga Lhamu Bhutia
24.	Jr. Zoo Keeper		Mrs. Bhawana Chettri
25.	Jr. Zoo Keeper		Mrs. Shova Subba
26.	Ticket Collector	2	Mrs. Pushpa Sharma
27.	Ticket Collector		Mrs. Januki Khati

Note: Zoo Veterinarian (at No.7) returned to Parent department. Zoo Veterinarian's responsibilities now fall to Dr. Minla Z. Lachungpa (B.V.Sc & AH) in addition to duties of Zoo Conservation Biologist.

4. Capacity Building of zoo personnel

*all information is entered in order of dates of the respective programmes attended.

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	Mr. Sangay Gyatso Bhutia (Director HZP)	2 nd Global Species Management Plan for Red Panda	23.04.2019-28.04.2019	Padmaja Naidu Himalayan Zoological Park, Darjeeling, W. Bengal
2	Dr. Minla Z. Lachungpa (Zoo Conservation Biologist, HZP)	2 nd Global Species Management Plan for Red Panda	23.04.2019-28.04.2019	Padmaja Naidu Himalayan Zoological Park, Darjeeling, W. Bengal
3	Sherab Dorjee Sherpa	Training Program for Capacity building for Zoo Keepers	03.02.2020 – 07.02.2020	Assam State Zoo-cum-Botanical Garden, Guwahati, Assam
4	Dawa Tamang	Training Program for Capacity building for Zoo Keepers	03.02.2020 – 07.02.2020	Assam State Zoo-cum-Botanical Garden,, Guwahati, Assam

5. Zoo Advisory Committee –

a. **Date of constitution:** 09.11.2015

Members: Chief Wildlife Warden – Chair Person
 Conservator of Forest (Wildlife) – Member
 Addl. Director/CAO (Accounts) Forest – Member
 Addl Secy./ Jt. Secy (ADM) Forest – Member
 Veterinary Officer HZP (Vet Section) – Member
 Joint Director / DFO/ ACF – HZP – Member
 Director, HZP – Member Secretary

b. **Dates on which Meetings held during the year:**

6. Health Advisory Committee–

a. **Date of constitution-** 09.03.2018

b. **Members -** Chief Wildlife Warden, FEWMD – Chairman
 Director Himalayan Zoological Park – Member Secretary
 Dr. Madam Kr. Shiv Shankar (Joint Dir – Ah LF & VS) – Member
 Dr. Thinley N. Bhutia, SARA – Member
 Dr. Pushpanjali Balmiki - Veterinary Consultant

c. **Dates on which Meetings held during the year:**

7. Statement of income and expenditure of the Zoo:

Income for the financial year (as on 29.02.2020):

₹27,52,940.00/- (Rupees Twenty Seven Lakh, Fifty Two Thousand, Nine Hundred and Forty Only)

Expenditure for the financial year (as on 29.02.2020):

From 01.04.19 – 29.02.20 – ₹13,74,782.00/- (Rupees Thirteen Lakhs Seventy Four Thousand Seven Hundred and Eighty Two Only)

8. Daily feed Schedule of animals:

*Annexure I attached

9. Vaccination Schedule of animals

Sl.No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
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10. De-worming Schedule of animals

Sl No	Species	Drug used per animal	Month
1.	Yak (2nos)	Fentas bolus – 4tabs Fentas bolus – 4tabs Fentas bolus – 4tabs Fentas bolus – 4tabs Fentas bolus – 4tabs	March 2019 June 2019 September 2019 December 2019 March 2020
2.	Red panda (3nos)	Fentas plus - ½ tab Fentas plus - ½ tab Fentas plus - ½ tab Fentas plus - ½ tab Fentas plus - ½ tab	March 2019 June 2019 September 2019 December 2019 March 2020
3.	Barking deer (5nos)	Fentas plus - 1 tab Fentas plus – 1 tab Fentas plus - 1 tab Fentas plus - 1 tab Fentas plus - 1 tab	March 2019 June 2019 September 2019 December 2019 March 2020
4.	Leopard (3 nos)	Fentas plus – 4tabs Fentas plus – 4tabs Fentas plus – 4tabs Fentas plus – 4tabs Fentas plus – 4tabs	March 2019 June 2019 September 2019 December 2019 March 2020

5.	Leopard cat (6nos)	Fentas plus - ½ tab Fentas plus - ½ tab Fentas plus - ½ tab Fentas plus - ½ tab Fentas plus - ½ tab	March 2019 June 2019 September 2019 December 2019 March 2020
6.	Large Indian civet (1no)	Fentas plus - ½ tab Fentas plus - ½ tab Fentas plus - ½ tab Fentas plus - ½ tab Fentas plus - ½ tab	March 2019 June 2019 September 2019 December 2019 March 2020
7.	Himalayan Palm civet (1no)	Fentas plus - ½ tab Fentas plus - ½ tab Fentas plus - ½ tab Fentas plus - ½ tab Fentas plus - ½ tab	March 2019 June 2019 September 2019 December 2019 March 2020
8.	Blue sheep (3nos)	Fentas plus - 1 tab Fentas plus - 1 tab Fentas plus - 1 tab Fentas plus - 1 tab Fentas plus - 1 tab	March 2019 June 2019 September 2019 December 2019 March 2020
9.	Himalayan black bear (4nos)	Fentas plus - 7 tabs Fentas plus - 7 tabs Fentas plus - 7 tabs Fentas plus - 7 tabs Fentas plus - 7 tabs	March 2019 June 2019 September 2019 December 2019 March 2020
10.	Himalayan tahr (2nos)	Fentas plus - 1½ tab Fentas plus - 1½ tab Fentas plus - 1½ tab Fentas plus - 1½ tab Fentas plus - 1½ tab	March 2019 June 2019 September 2019 December 2019 March 2020
11.	Goral (14nos)	Fentas plus - 1 tab Fentas plus - 1 tab Fentas plus - 1 tab Fentas plus - 1 tab Fentas plus - 1½ tab	March 2019 June 2019 September 2019 December 2019 March 2020
12.	Porcupine (5nos)	Fentas plus - ½ tab Fentas plus - ½ tab Fentas plus - ½ tab Fentas plus - ½ tab Fentas plus - ½ tab	March 2019 June 2019 September 2019 December 2019 March 2020
13.	Kalij	Albomar 20mg/kg bw Albomar 20mg/kg bw Albomar 20mg/kg bw Albomar 20mg/kg bw Albomar 20mg/kg bw	March 2019 June 2019 September 2019 December 2019 March 2020
14.	Silver pheasant (2nos)	Albomar 20mg/kg bw Albomar 20mg/kg bw Albomar 20mg/kg bw	March 2019 June 2019 September 2019

		Albomar 20mg/kg bw Albomar 20mg/kg bw	December 2019 March 2020
15.	Peafowl (2nos)	Albomar 20mg/kg bw Albomar 20mg/kg bw Albomar 20mg/kg bw Albomar 20mg/kg bw Albomar 20mg/kg bw	March 2019 June 2019 September 2019 December 2019 March 2020
16.	Tragopan (1no)	Albomar 20mg/kg bw Albomar 20mg/kg bw Albomar 20mg/kg bw Albomar 20mg/kg bw Albomar 20mg/kg bw	March 2019 June 2019 September 2019 December 2019 March 2020
17.	Golden pheasant (2nos)	Albomar 20mg/kg bw Albomar 20mg/kg bw Albomar 20mg/kg bw Albomar 20mg/kg bw Albomar 20mg/kg bw	March 2019 June 2019 September 2019 December 2019 March 2020
18.	Lady Amherst (2nos)	Albomar 20mg/kg bw Albomar 20mg/kg bw Albomar 20mg/kg bw Albomar 20mg/kg bw Albomar 20mg/kg bw	March 2019 June 2019 September 2019 December 2019 March 2020

11. Disinfection Schedule

Sl.no	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1.	Himalayan black bear (4nos)	Display enclosure	Kohrsolin (10ml/litre water) Microgen D-125 (15ml/litre water) Fumigation (KMnO ₄ and Formalin)	Daily Once weekly Once monthly and during disease outbreak as per CZA notifications
2.	Red panda (3nos)	Display enclosure	Microgen D-125 (15ml/litre water) Fumigation (KMnO ₄ and Formalin)	Daily Once monthly / Daily during Canine Distemper Outbreak / as per CZA notifications

3.	Himalayan palm civet (1no)	Display enclosure	Kohrsolin (10ml/litre water)	Daily
4.	Large Indian civet (1no)	Display enclosure	Kohrsolin (10ml/litre water)	Daily
5.	Goral (14nos)	Display enclosure	Kohrsolin (10ml/litre water)	Daily
6.	Barking deer (4nos)	Display enclosure	Kohrsolin (10ml/litre water)	Daily
7.	Blue sheep (2nos)	Display enclosure	Kohrsolin (10ml/litre water)	Daily
8.	Yak (2nos)	Display enclosure	Kohrsolin (10ml/litre water)	Daily
9.	Himalayan thar (2nos)	Display enclosure	Kohrsolin (10ml/litre water)	Daily
10.	Himalayan serow (1no)	Display enclosure	Kohrsolin (10ml/litre water)	Daily
11.	Pea fowl (2nos)	Display enclosure	Kohrsolin (10ml/litre water)	Daily
12.	Tragopan (1no)	Display enclosure	Kohrsolin (10ml/litre water)	Daily
13.	Silver pheasants (2nos)	Display enclosure	Kohrsolin (10ml/litre water)	Daily
14.	Lady Amherst (2nos)	Display enclosure	Kohrsolin (10ml/litre water)	Daily
15.	Golden pheasant (2nos)	Display enclosure	Kohrsolin (10ml/litre water)	Daily
16.	Kalij pheasant	Display enclosure	Kohrsolin (10ml/litre water)	Daily
18.	Leopard	Display enclosure	Microgen D-125 (15ml/litre water) Fumigation (KMnO ₄ and Formalin)	Daily Once monthly / Daily during Canine Distemper Outbreak / as per CZA notifications
19.	Leopard cat	Display enclosure	Microgen D-125 (15ml/litre water) Fumigation (KMnO ₄ and Formalin)	Daily Once monthly / Daily during Canine Distemper Outbreak / as per CZA notifications

*Microgen D-125 is an expensive and not readily available Disinfectant. It is currently being used only for species with higher susceptibility to viral infections like Canine Distemper / Feline Panleukopenia on a regular basis.

D-125 is being used in other enclosures during disease outbreaks, as a precautionary measure, as per the instructions of the Veterinary section.

12. Health Check-up of employees for zoonotic diseases

Sl.No.	Name	Designation	Date of Health Check up	Findings of Health Check up

13. Development Works carried out in the zoo during the year 2019-20:

Sl. No.	Activity carried out
1.	Construction of new Aviary
2.	Upgradation of Zoo Veterinary Hospital

14. Education and Awareness programmes during the year:

- a. World Environment Day (5th June 2019)– Zoo Cleanliness Drive
- b. Ten Minutes To Earth (25th June 2019) – Avenue Plantation within Zoo Premises
- c. Wildlife Week 2017 (1st-7th October 2019) – Educational Zoo Walk for School students with free entry for all schools, Bird Watching and Wildlife Watching
- d. FMD and Canine Distemper Vaccinations in Fringe Areas of Himalayan Zoological Park conducted biannually.

15. Important Events and happenings:

- a. World Environment Day (5th June 2019)– Zoo Cleanliness Drive
- b. Ten Minutes To Earth (25th June 2019) – Avenue Plantation within Zoo Premises
- c. Wildlife Week 2017 (1st-7th October 2019) – Educational Zoo Walk for School students with free entry for all schools, Bird Watching and Wildlife Watching

16. Seasonal special arrangements for upkeep of animals:

Electrification for provision of room heater in the following enclosures:

1. Red Panda enclosure: Red Pandas in HZP have been vulnerable to Canine Distemper on three occasions in the past, prompting the need for a room heater to keep the feeding house dry and warm during inclement weather so that the risk of disease is minimized.
2. Himalayan Black Bear: Extreme cold and wet winter prompted the necessity of room heater for young bears housed.
3. Leopard: Extreme cold and wet winter prompted the necessity of room heater for young bears housed.

17. Research Work carried out and publications: NA

18. Conservation Breeding Programme of the Zoo:

- i. Red Panda: Birth of total 2 Red Panda cubs-
Ram X Pokchi – 2 cubs 26.06.2017 - surviving
- ii. Himalayan Tahr – Birth of one female offspring
Somdev X Anita – 1 female (24.08.2019)

19. Animal acquisition / transfer / exchange during the year:

A. Animals arriving in the Zoo					
H.NO.	Species	Number (M:F)	From which Zoo	Date of arrival in the zoo	
B. Animals going from the zoo					
H.NO.	Species	Number (M:F)	Going to which Zoo	Date of deposition from the zoo	

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

Sl. No	Date of Rescue	Species with number of animals rescued with their sex (M: F:U:T)	Received from	Date of Submission of Report to the CWLW / CZA	Action taken	
					Date and Place of rehabilitation in their habitat	Reasons for housing in the zoo, if not released in their habitat
1.	07.06.2019	Himalayan Crestless Porcupine (<i>Hystrix indica</i>) 2 (1:0:1)	Local villagers trapped one Female with its young offspring when it was			The animal displayed signs of stress and minor injuries caused during the capture. The offspring was also too young. Both

			raiding their crops			mother and offspring were housed in the Zoo hospital and treated for shock and injuries for a month. The adult female was very accustomed to human handling and hence declared unfit for release.
2.	31.08.2019	Leopard Cat (<i>Prionailurus bengalensis</i>) 1:0	Handed over to HZP by Range Officer Wildlife East Division. Found at pharmaceutical factory.			Too young to be released. Animal was hand raised and integrated into captive collection on 31.10.2019

21. Annual Inventory of animals

Inventory Report for the Year : 2019-2020

*Annexure II attached

22. Mortality of animals

Sl.No	Animal Name (with individual identification mark, if any)	Scientific Name	Sex	Date of Death	Reason of Death as per the Post-mortem report
1.	Munu BD/F/W/2010/HZP/GTK/20	<i>Muntiacus muntjak</i>	F	12.07.2019	Infighting related cardiomyopathy
2.	Kanchi BD/F/CB/2017/HZP/GTK/23	<i>Muntiacus muntjak</i>	F	02.07.2019	Infighting related cardiomyopathy
3.	Kalu LC/M/W/2011/HZP/GTK/15 Tno: 956000002148160	<i>Prionailurus bengalensis</i>	M	24.07.2019	Old age associated multiple organ failure and pneumonia

4.	Phigu HT/M/CB/2018/HZP/GTK/ 3	<i>Hemitragus jemlahicus</i>	M	06.12.2019	Acute pneumonia
5.	Doma LIC/F/W/2008/HZP/GTK/3	<i>Vivvera zibetha</i>	F	28.02.2020	Old age associates multiple organ failure.

23. Compliance with conditions stipulated by the Central Zoo Authority

Sr No	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Remarks	
					Status with regard to compliance of the conditions as submitted by the Officer-in-charge of the Zoo	Status with regard to compliance as noted physically by the evaluator during the visit
Animal Housing, Display of Animals and Animal Enclosures:						
1	4(6)	The Zoo should make special efforts to enrich the environment of the enclosure to meet the species specific behavioural requirements of the animals in accordance with the standards specified by the CZA. While enriching the exhibits emphasis on the animal exhibits for Himalayan Black Bear, Red Panda Clouded Leopard and Leopard should be given	w.e.f		<p>1.All enclosures are built under immersion exhibit concepts with minimal change to the natural terrain.</p> <p>2.Enclosures are semi natural with indigenous / native species of vegetation.</p> <p>3.Enrichment for Himalayan Black Bear is being created and changed on yearly basis. Large bamboo grove has been allowed to flourish to keep bears entertained during Bamboo Shoot season. Local fruiting trees have been retained in the enclosure for the bears to forage.</p> <p>4.Enrichment for Red Panda is created using locally sourced timber. Nesting boxes and ramps are created using locally sourced natural materials.</p> <p>5.Enrichment for Leopards is created using locally sourced natural materials. Rain sheds and ramps are created with trees salvaged from wind storms in 2015.</p>	Compl ied


Veterinary and Infrastructure facilities:						
2	6(b)	Officers and staff working at the zoo should undergo training, and asn when organized by CZA or any oter organization and upgrade technical skills of zoo staff.	w.e.f		Veterinary Doctor, Zoo Conservation Biologist and Zoo Keepers are attending CZA organized workshops and programmes for Zoo Veterinarians, Middle Level Officials Training, Workshop on Zoological Information Management Systems and Zoo Keeper Training.	Complieed
Education and Outreach activities:						
3	11	The Zoo may utilize the help of volunteers and zoo guides for management of the zoo. The guidelines prescribed by the CZA in this regard should be followed.	w.e.f		State Forest & Environment Department is currently in the process of organizing orientation programmes for zoo guides for people living in and around fringe areas of the HZP.	Partially complieed.
Visitor facilities:						
4	12 (1)	Appropriate ramps to have access to toilets and other public facilities and animal exhibits for differently abled visitors should be provided.	Six months		Some enclosures have ramps and more will be created in the process of up gradation of zoo as per availability of funds.	In process as per fund availability

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

- a. Mammals
- b. Birds
- c. Reptiles

*Himalayan Zoological Park is a large expanse of 230 Ha is land covered in virgin forest ranging from Sub temperate to Sub alpine vegetation belts. The forest supports a large number of wildlife species (Mammals, Birds & Reptiles) that are free ranging. Some species also come down to the warmer altitude of the HZP during winters to graze.

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Sangay Gyatso Bhutia
Director
Himalayan Zoological Park
Forest & Environment Deptt.
Govt. of Sikkim