

2019-
2020

Annual Report of Dhauladhar Nature Park, Gopalpur (Zoo)



Hamirpur Wildlife Division, Hamirpur
Himachal Pradesh Forest Department
(Wildlife Wing)



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REPORT OF THE ZOO DIRECTOR

Dhauladhar Nature Park (ZOO), Gopalpur is situated in the serene environments of Dhauladhar Mountains in Kangra District. The Zoo is under the jurisdiction of Hamirpur Wildlife Division which also covers two Protected Areas, viz. Pong Dam Lake Wildlife Sanctuary & Dhauladhar Wildlife Sanctuary.

The working of the Zoo is totally different from any other field assignments because you have an extended family of Animals whose care is of utmost importance. It gives you an opportunity to know the animals and their behavior in a better manner. It is unique learning experience for everyone who is dealing with care of the animals. There are unique ways of understanding the animals and enriching their experience in the Enclosures. The Zoo staff needs to constantly monitor and act according to the needs of the animals. The Zoo staff is constantly engaged in providing suitable environment to the animals by various means like enriching their enclosures, feeding them in playful manner, interacting with them in ways that are not known to human beings etc.

The job of the Zoo staff is highly appreciable who are always on their toes to cater to the needs of the animals. Along with that they are constantly trying to enrich the experience of the visitors by providing them best of the facilities inside the Zoo while enforcing the Zoo manners among the visitors.

This year the Zoo has welcomed a pair of Lions and Chinkara which has added to the species diversity and collection of the Zoo. The public especially children have been frequently visiting the Zoo to see the Lions roar. The Zoo has also celebrated Wildlife week and World Wildlife Day for creating awareness among the public regarding wild animals.

The Zoo is constantly striving to fulfill the guidelines of the CZA and act according to the Master Plan for better management of the Zoo.

Zoo Director-cum-DCF (WL)
Hamirpur Wildlife Division

REPORT OF THE OFFICER-IN-CHARGE

I have the pleasure of working as Officer In charge of Dhauladhar Nature Park (Zoo) Gopalpur. I extend my heartfelt thanks to the Government of HP and Zoo Director for allowing me to serve as in-charge of beautiful small category Zoo in the foothills of the Dhauladhar Mountain Range.

Dhauladhar Nature Park Gopalpur spreads over an area of 12.5 hectares and is housing 7 species of Mammals, 7 species of Pheasants, 3 species of Raptors, 2 species of Birds and 2 species of Reptiles in a natural type habitat. Rescued animals from various parts of Himachal Pradesh were also given equal care and treatment. Conservation Education is one of the main objectives of the Zoo. Hence Zoo organizes various educational activities to reach as many people as possible. As a part of Wildlife week celebration from 2nd to 8th October the Zoo conducted competitions like painting, essay writing and quiz for the school children.

Significant development work was carried out in the Zoo and many welfare measures were taken for the Zoo staff during the year. The rescue team of DNP Gopalpur Zoo have effectively and scientifically rescued and rehabilitated different wild animals during the year. All the rescue operations were carried out with immense care and expert handling of animals.

Dharamshala and Palampur area being one of the most visited tourist destinations of the Himachal Pradesh and the visitor camping sites are attached to DNP Gopalpur Zoo. I take this opportunity to thank animal section, Veterinary section, Administrative section, Revenue section, Security section, Garden section, Store and feed section and everyone who has dedicated their time and hard work in development of Zoo.



Range Forest Officer
Dhauladhar Nature Park (ZOO)
Gopalpur

HISTORY OF THE ZOO

The Park is located at a place which presents panoramic view of the unique feature of Dhauladhar Mountain Ranges and the valley, hence got the name Dhauladhar Nature Park. Construction work for establishment of Zoo in Gopalpur area started in October, 1991 and officially inaugurated & opened to public by the Hon'ble CM Himachal Pradesh, Sh. Shanta Kumar, on 23.April.1992. Entry fee was imposed w.e.f 25.May.1992. Sh. N. S. Thakyal was officially appointed as the Range Forest Officer cum Zoo In-charge on 01.Feb.1993. Establishment of this Zoo was done with the name 'Dhauladhar Nature Awareness Center Gopalpur'. But in June 1994, name was changed to 'Dhauladhar Nature Park'. This park is situated 12 KM from Palampur on Palampur-Dharamshala road. Famous "*Chamundaji*" temple which is one of the important pilgrimages is about 6 KM from Gopalpur. The tea gardens in adjoining areas add to the beauty of area. This park came into existence during 1992. The proximity of this place to tourist spots like Palampur, Dharamshala and "*Chamundaji*" Temple makes this park an attraction to thousands of tourists annually. The HPKVV Palampur, Veterinary College, IVRI and ICAR and numerous schools and colleges of at least seven districts of the state, benefit their students by undertaking their visits to this Park for educating them. Dhauladhar Nature Park is spread over 12.5 hectares with beautiful landscaped gardens interspersed with small forested patches with an abundance of free ranging birds & Butterfly. Himachal Pradesh has been bestowed by Nature with diverse climate conditions. The Climate and terrain ranges from sub-tropical to alpine and cold desert conditions which inhabits a wide spectrum of flora and fauna.

VISION

Provide natural habitat to various wild animals and create awareness towards conservation of flora & fauna of the region.

MISSION

Develop amongst visitors' empathy for Wildlife through animal welfare & care, and to motivate them to support the cause of conservation of Wildlife.

OBJECTIVE

- a. To create awareness among visitors about Nature and Wildlife.
- b. Rescue & Rehabilitation of wild animals.
- c. To provide research opportunities to students on various aspects about wildlife, animals' ecology, behavior & disease investigation.



ABOUT US

S.No.	Particulars Information	Basic Information about the Zoo
1	Name of the Zoo	Dhauladhar Nature Park(ZOO) Gopalpur
1.	Year of Establishment	1992
2.	Address of the Zoo Dhauladhar Nature Park, Gopalpur, P.O. Palampur Dist: Kangra	
3.	State	Himachal Pradesh
4.	Telephone Number	01894-252034
5.	Fax Number	01894-252034
6.	E-mail address	rodnpgopalpur@gmail.com
7.	Website	www.gopalpurZoo.com
8.	Distance from nearest Airport:	32 KM (Gagal Airport)
9.	Railway Station:	12 KM (Chamundaji)
10.	Bus Stand:	200 mtrs (Gopalpur)
11.	Recognition Valid upto (Date)	
12.	Category of Zoo	Small Zoo
13.	Area (in Hectares)	12.5 hectare
14.	Number of Visitors (2019-2020)	Adult : Children+ Children Tour : Total Indian : Total Foreigners : Total Visitors: 2,00,395
15.	Facilities Available in Zoo	Drinking water Urinals Lawns Shelters Food court and canteen Zoo Visitor guides Wheelchair (free of cost)
16.	Weekly Closure Day of the Zoo	Monday

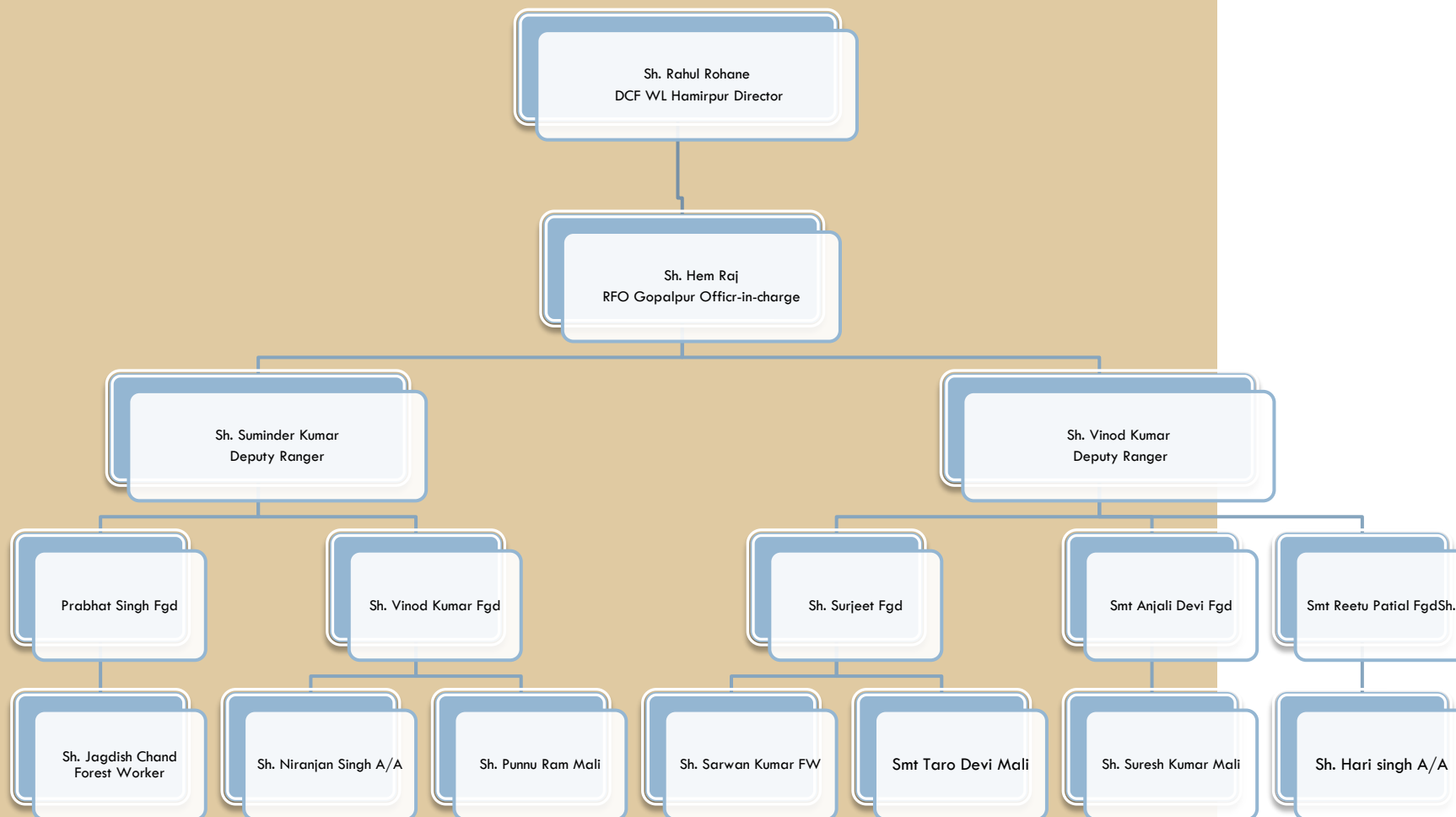
Management Personnel of the Zoo

- | | | |
|-----|---|---------------------------|
| 17. | Name with designation of the Officer
in-charge | Sh. Hem Raj, RFO |
| 18. | Name of the Veterinary Officer | Dr.Vipin Kumar |
| 19. | Name of the Curator | NIL |
| 20. | Name of the Zoo Biologist | Sh. Vishal Thakur. |
| 21. | Name of the Education Officer | NIL |
| 22. | Name of the Compounder/ LabAssistant | NIL |

Owner / Operator of the Zoo

- | | | |
|-----|---|---|
| 23. | Name of the Operator | H P Forest Department |
| 24. | Address of the Operator | Deputy Conservator of
Forests, WildlifeDivision
Hamirpur 177001 |
| 25. | Contact details/Phone number of
Operator | 01972222319 |
| 26. | E-mail address of Operator | dfohamirpurwildlife@gmail.com |

ORGANIZATION CHART



HUMAN RESOURCES

Sr. No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1.	Zoo Director	1	Rahul M. Rohane
2.	Veterinary Officer	1	Dr. Vipin Kumar
3.	Range Officer	1	Sh. Hem Raj
4.	Zoo Biologist	1	Sh. Vishal Thakur
5.	Block Officer	2	Sh. Vinod Kumar
			Sh. Suminder Kumar
6.	Forest Guards	6	Sh. Surjeet
			Smt. Reetu Patial
			Smt. Anjali Devi
			Sh. Prabhat Singh
			Sh. Vinod Kumar
			Sh. Kewal Krishan
7.	Animal Attendants	5	Sh. Niranjana Singh.
			Sh. Hari Singh.
8.	Mali	3	Sh. Punnu Ram
			Sh. Suresh Kumar
			Smt. Taro Devi.
9.	Forest Workers	2	Sh. Jagdish Chand
			Sh. Sarwan Kumar
10.	Chowkidar	1	Smt. Raksha Devi

CAPACITY BUILDING OF ZOO PERSONNEL

S. No.	Name and designation of the Zoo personnel	Subject matter of Training	Period of Training	Name of the Institution where the Training attended
1.	Sarwan Kumar	Animal handling	1 month	Sakkarbaug Zoological Park
2.	Balbir Singh	Animal handling	1 month	Sakkarbaug Zoological Park

ZOO ADVISORY COMMITTEE

a) **Date of constitution :-** 1/2018

b) **Members :**

- I. DCF, Wildlife Division Hamirpur – Chairman
- II. Veterinary Officer (Wild Life), DNP Gopalpur – Member
- III. Range Forest Officer (wild life), DNP Gopalpur – Member
- IV. Dr. Pradeep Sharma Asstt Professor Veterinary Medicine, DGCCN COVAS, CSKHPKV Palampur - Member
- V. Zoo Biologist – Member
- VI. Sh. Bhupinder Singh Retd. Dy. Ranger DNP Gopalpur – Member
- VII. Pradhan Gram PanchayatGopalpur – Member
- VIII. Deputy Ranger and all Forest Guards DNP Gopalpur – Member

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

HEALTH ADVISORY COMMITTEE

- I. DCF, Wildlife Division Hamirpur – Chairman
- II. Veterinary Officer (Wild Life), DNP Gopalpur – Member
- III. Range Forest Officer (wild life), DNP Gopalpur – Member
- IV. Dr. Pradeep Sharma Asstt Professor Veterinary Medicine, DGCCN COVAS, CSKHPKV Palampur - Member
- V. Sh. Bhupinder Singh Retd. Dy. Ranger DNP Gopalpur – Member
- VI. Pradhan Gram PanchayatGopalpur – Member
- VII. Deputy Ranger and all Forest Guards DNP Gopalpur – Membe

STATEMENT OF INCOME AND EXPENDITURE OF THE ZOO

Table 1: Statement of income of Zoo

S. No.	Name of Work	Amount (collection/received)	Remarks
1.	Ticket window	4304260	

Table 2: Statement of expenditure of Zoo(HPZCBS).

S. No.	Name of Work	Budget Allotted
1.	Feeding articles of captive zoo animals	8400000
2.	Salary of on contract staff	500000
3.	Annual distempering and painting at DNP Gopalpur	175000
4.	Enrichment of :	
a.	Existing Black Bear enclosure	50000
b.	Turtle enclosure	20000
c.	Pheasantry	25000
d.	Goral enclosure	100000
e.	Barking Deer enclosure	100000
f.	Leopard enclosure	100000
5.	Awareness and printing material	100000
6.	Benches and resting points	100000

7.	Drinking water facility at zoo	100000
8.	Providing cloak room facility for visitors in zoo	75000
9.	Cleaning of night-shed and enclosure surrounding area	50000
10.	Improvement of drains	60000
11.	Removal of weeds/landscaping	50000
12.	Improvement of water supply	30000
13.	Electricity and other immediate repair work:	50000
14.	Strengthening of:	
15.	Black Bear enclosure	150000
a.	Existing Sambar enclosure	150000
b.	Leopard enclosure	100000
c.	Repair of old Lion enclosure and wild boar enclosure	450000
d.	Improvement of toilets	160000
16.	Purchase of transportation cages, trap cages and squeeze cages	109000
17.	Contingency	84500
	Total	10253500

Table 3: Statement of expenditure of Zoo(CAMPA).

S. No.	Name of Work	Budget Allotted
1	Construction of retaining wall	150000

2	Enclosure enrichment in Pheasantry and Black Bear enclosure	100000
3	Landscaping and beautification work in zoo	200000
4	Rescue and rehabilitation activities	200000
5	Repair of visitor and service paths	150000
6	Repair of rain sheds	150000
7	Awareness activities for public	150000
8	Training to zoo staff	150000
9	Work shop and conference	150000
10	Operational charges	150000
	Total	1760000

DAILY FEED SCHEDULE OF ANIMALS

<u>S. No.</u>	<u>Species</u>	<u>Feed Item</u>	<u>Quantity / Animal (In Kgs.)</u>	<u>Frquency of feeding</u>	<u>Day of Fasting</u>
1	Asiatic Lion	Mutton	Male- 8.0 Female- 6.0	4 times week	Tuesday
		Chicken	Male- 8.0 Female- 6.0	2 times week	
4	Common Leopard	Chicken	Male- 2.50 Female- 2.0	4 times week	Tuesday
		Mutton	Male- 2.0 Female- 1.50	2 times week	
6	Leopard Cat	Chicken	0.250	Daily	
7	Vultures	Mutton	1.500	Twice a week	
8	Black Kites	Chicken	0.250	Daily	
9	Steppe Eagle	Chicken	0.300	Daily	
10	Himalayan Black Bear	C/Maize	1.125	Daily	
		Atta wheat	1.125		
		G/nut	0.250		
		Gur	0.100		

		Green vegetables	0.800		
11	Wild Boar	Black Gram	0.300	Daily	
		Concentrate mix	0.500		
		Potatoes	0.5		
		Green vegetables	0.5		
		Green fodder	0.5		
12	Sambar	Concentrate mix	2.5	Morning	
		Green fodder	10	Evening	
14	Barking Deer	Concentrate mix	0.500	Morning	
		Green fodder	3.000	Evening	
15	Goral	Concentrate mix	0.600	Morning	
		Green fodder	5.000	Evening	
17	Indian Gazzelle	Concentrate mix	0.500	Morning	
		Green fodder	2.000	Evening	
18	Emu	Mixed grains	0.500	Daily	
		Banana	3 nos.		
		Green vegetables	0.200		
		Fruits	0.100		
		Boiled Egg	2 nos.		
19	Turtle	Boiled Egg	2 nos.	Daily	
		Green vegetables	0.05		
20	Pheasants/Birds	Banana	0.25 nos.		
		Green vegetables	0.200		
		Fruits	0.05		
		Fruits	0.050		

VACCINATION SCHEDULE OF ANIMALS

S. No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
1	Leopard	Feline Rhinotracheitis –Calici-panleukopenia	Fel-o-Vax or Biofel-PCHR 1 ml S/C	Annually	
2	Leopard Cat	Feline Rhinotracheitis –Calici-panleukopenia	Fel-o-Vax or Biofel-PCHR 1 ml S/C	Annually	
3	Asiatic Lion	Feline Rhinotracheitis –Calici-panleukopenia	Fel-o-Vax or Biofel-PCHR 1 ml S/C	Annually	
		Canine Distemper	Purevax- 1 ml S/C	Annually	

DE-WORMING SCHEDULE OF ANIMALS

S. NO.	SPECIES	DRUG USED	MONTH	REMARKS
1.	Carnivores (Asiatic Lion, Leopard and Leopard Cat)	Fenbendazole, Albendazole, Praziquintal, Oxyclozanide, Ivermectin, Parantalpamoate, Piperazine, levamisole	February, May, August, November	<ul style="list-style-type: none"> ➤ Fecal sample examination done every quarter before scheduled deworming. ➤ Deworming medicines changed every time to avoid drug resistance and other side effects. ➤ Dosage of dewormer used as indicated in literature.
2.	Herbivores (Indian Gazelle, Barking Deer, Goral, Sambar)	Fenbendazole, Albendazole, Piperazine, Levamisole	March, July, November	
3.	Black Bears and Wild Boar	Fenbendazole, Albendazole	March, July, November	
4.	Birds (All Species)	Fenbendazole, Albendazole, Piperazine	February, June, October	
5.	Reptiles	Fenbendazole, Albendazole, Ivermectin, Levamisole	As and when required	

DISINFECTION SCHEDULE

S. NO.	SPECIES	TYPE OF ENCLOSURE	DISINFECTANT USED AND METHOD	FREQUENCY OF DISINFECTION
1	Asiatic Lion and Leopard	Night cells With day kraal and exhibit area.	a. Benzalkonium chloride solution or Kohrsolin-Th b. Chlorine bleach spray Or Lime Spray	a. Daily in night cells b. Monthly in day kraal and exhibit area.
2	Black Bear	Night cell and exhibit area.	a. Benzalkonium chloride solution or	a. Daily in night cells b. Monthly in

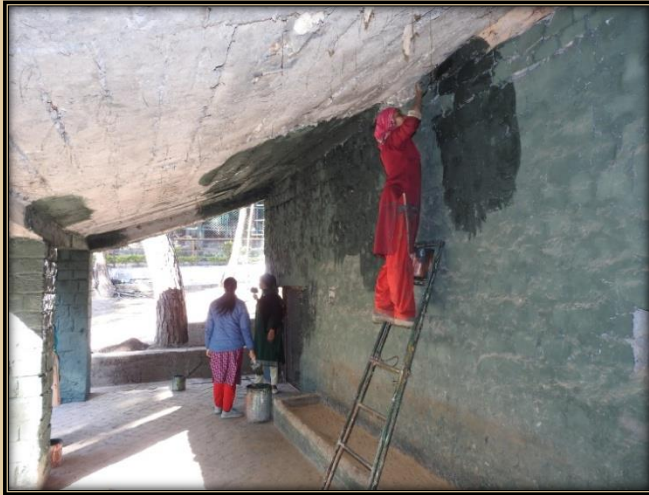
			Kohrsolin-Th b. Lime Spray	day kraal and exhibit area.
3	Pheasantry	Interlink Chain and chicken mesh covered Enclosure	a. Kohrsolin-Th b. Lime Spray	a. Daily cleaning b. Spraying of disinfectant done once a week.
4	Herbivores	Enclosure type	Lime spray	Racking, cleaning and spraying of disinfectant taken up once in two months.
5	Reptiles		Lime Spray and lime paint	Once in a week

HEALTH CHECK-UP OF EMPLOYEES FOR ZONOTIC DISEASES

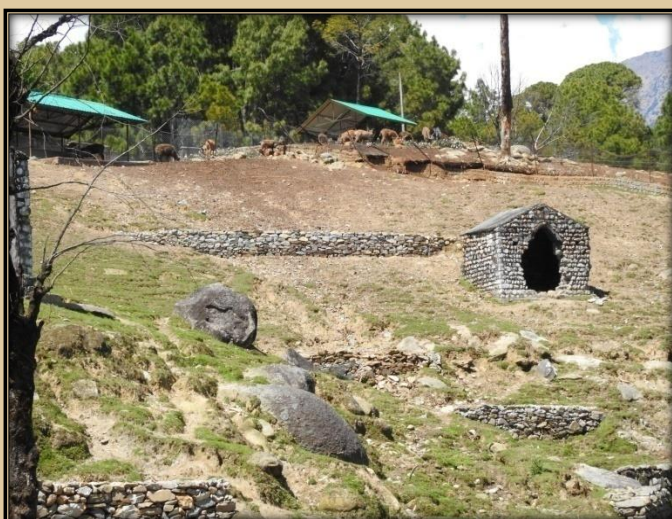
Health Check of all the staff posted in DNP Gopalpur was carried out in the March, 2020 at Community Health Centre Gopalpur.

DEVELOPMENT WORKS CARRIED OUT IN THE ZOO DURING THE YEAR

a) Maintenance work of enclosures and outer area:



Picture 2, 3 & 4: Goral enclosure maintenance work.



Picture 5 & 6: Arrangements were done to prevent land sliding in Sambar enclosure.



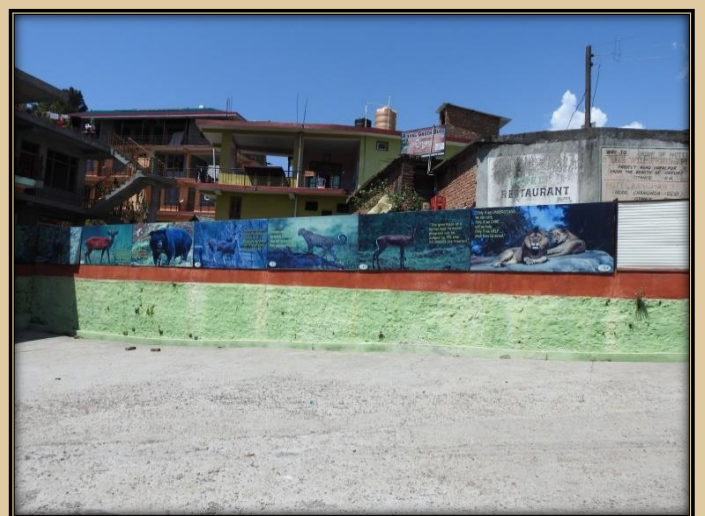
Picture 7: Barricade maintenance near Pheasantry.



Picture 8: Outer fence maintenance near Birds of Prey enclosure.



Picture 9&10: Efforts of Mali to maintain the existing flora and plantation of seasonal ornamental plants.



Picture 11 & 12: Utilization of empty walls and corners of Zoo in a creative manner keeping in view the public interest.



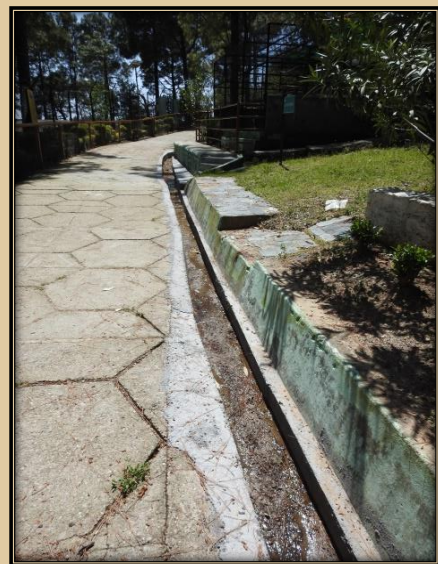
Picture 13: Landscaping of Barking Deer enclosure to prevent land sliding.



Picture 14: Feeding area shed in the Himalayan Black Bear enclosure.



Picture 15: Replacement of stone tiles with traditional anti-skid stones keeping in view the safety of visitors.



Picture 16: Drain repair work done near Barking Deer enclosure

b. Strengthening of various Enclosures.



Picture 1: Outer wall of Black Bear enclosure.

EDUCATION AND AWARENESS PROGRAMMES DURING THE YEAR

a. Wild Life Week celebration:

The celebration of Wildlife week was observed throughout the nation in first week of October with the annual theme – ‘Life Below Water: For People And Planet.’ Wildlife week was celebrated with the prime motive to generate awareness among the common citizens as this is the responsibility of every citizen to put efforts in maintaining ecological balance. Here awareness of people is the key to fulfill the idea of conservation.



Picture 17: Wildlife week celebration

Our Honorable Chief Guest was
CCF, WL (N),
Pradeep Thakur, IFS accompanied
by the Zoo Director cum DCF WL,
Rahul M. Rohane, IFS.



Picture 18: Honorable Chief Guest addressing visitors and participants.

Several activities like poster making competition, Slogan writing competition, Essay writing competition and Quiz competition were conducted to measure the depth of interest and knowledge of participants. School students of nearby schools enthusiastically participated and led to the successful completion of the program.



Picture 19: Exposure visit of School students to give them closer look of the daily routine of Zoo Animals.



Picture 20: Quiz competition conducted.



Picture 21: Active Participation of students in various activities

b. Wildlife Day celebration:

On World Wildlife Day 2020, we aimed to raise awareness towards diversified benefits of flora and fauna among public mainly who live close to the forest area as well as motivating them to continue the use in a sustainable manner. To attain the motive, we targeted the visitors to voluntarily participate in the program and put forward their views in the form of drawings/sketch/quotes/small paragraphs. Also, small sessions were done to actually make them realize the importance of this day and how they can contribute.



Picture 22, 23 & 24: Participants were of all age groups and participation prizes were distributed to maintain and promote their motivation.



Picture 25 & 26: Prize distribution to the volunteered visitors. Display board decorated with the participant's quotes and drawings based on the theme "Sustaining All Life Form on Earth".



Picture 27: Contribution of volunteered participants

c. Training in Handling and use of Tranquilization Equipment:



Picture 28: Zoo Veterinary Doctor addressing Veterinary students regarding tranquilization tools.

One day training on the topic "Handling and Use of Tranquilization Equipment" was organized at DNP Gopalpur ZOO on 20th February 2020. The general objective of this one day training was to give Veterinary students a solid grounding on handling and use of tranquilizing gun during the rescue operation in the field.

d. Exposure visit in Dhauladhar Nature Park:



Picture 29 & 30: Under-training Forest Guards of Wildlife wing were introduced with the ethics, working style and technicalities of a Zoological Park

SPECIAL ARRANGEMENTS FOR UPKEEP OF ANIMALS

1. Pheasantry:



Picture 31: Seasonal fruit with edible seeds are occasionally placed in the African Grey Parrot enclosure.



Picture 32: Mixed crops were sown to promote their natural pecking behavior. Grass was sown to imitate the earthen ground with natural one.

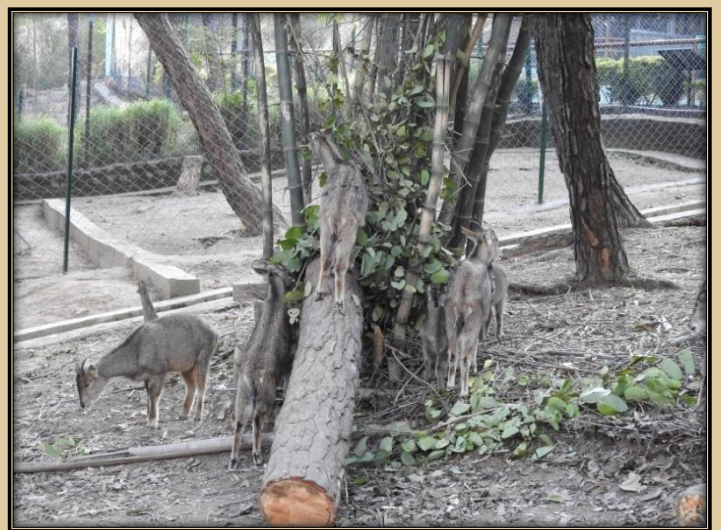


Picture 33: Bird feeders for small birds



Picture 34: Grits in each enclosure to imitate the natural conditions.

2. Goral enclosure:





Picture 35 – 38: Multiple elevated structures of variable heights to let the animal imitate the natural conditions.

3. Black Kite enclosure



Picture 39 & 40: Temporary artificial earthen surface was created to prevent damage to the claws and a precautionary measure against winter season.

Dhauladhar Nature Park is situated in the zone which receives extremely chilled winters which lasts for almost 4-5 months. In this situation, rescued animals especially birds require special attention during their treatment and recovery period. Appropriate arrangements with raw material were done.

3. Turtle enclosure:



Picture 43 & 44: Improved sand basking area. Water holding area enriched with water plants.

4. Leopard Cat enclosure:



Picture 45: Barricading in front of Leopard Cat enclosure to control visitor movement.

ANIMAL ACQUISITION / TRANSFER / EXCHANGE DURING THE YEAR

Table 1: Animal exchange program between Dhauladhar Nature Park and Bhiwani Zoo:

Animal arriving in the Zoo					
A.	H. No.	Species	Numbers (M:F)	From which Zoo	Date of arrival in the Zoo
	Nil	Indian Gazelle (<i>Gazella bennettii</i>)	1:1	Mini Bhiwani Zoo	7.12.2019
Animal going from the Zoo					
B.	H. No.	Species	Numbers (M:F)	Going to which Zoo	Date of deposition from the Zoo
	Nil	Himalayan Black Bear (<i>Ursus thibetanus</i>)	1:1	Mini Bhiwani Zoo	20.10.2019

Table 2: Animal exchange program between Dhauladhar Nature Park and Sakkarbaug Zoological Park:

Animal arriving in the Zoo					
A.	H. No.	Species	Numbers (M:F)	From which Zoo	Date of arrival in the Zoo
	Nil	Asiatic Lion (<i>Panthera leo leo</i>)	1:1	Sakkarbaug Zoological Park	09.11.2019
Animal going from the Zoo					
B.	H. No.	Species	Numbers (M:F)	Going to which Zoo	Date of deposition from the Zoo
	Nil	Himalayan Black Bear (<i>Ursus thibetanus</i>)	1:1	Sakkarbaug Zoological Park	13.11.2019

RESCUE AND REHABILITATION OF WILD ANIMALS CARRIED OUT BY THE ZOO

Sr. No.	Date of Rescue	Species with number of animals rescued with their sex (M: F:U)	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.	23.05.2019	Wild Boar (0:1:0)	RFO Sakoh	-	-	Severely injured and Died on 29.06.2019
2.	27.05.2019	Himalayan Goral (0:1:0)	Pangi Division	-	-	Severely injured and Died on 31.05.2019
3.	08.09.2019	Himalayan Goral (1:0:0)	RFO Ramgadh	-	-	Severely injured and Died on 09.09.2019
4.	17.09.2019	Indian Black Turtle (0:0:1)	Local people	-	-	Released back at rescued location
5.	23.05.2019	Wild Boar (0:1:0:0)	RFO Sakoh	-	-	Severely injured and Died on 29.06.2019
6.	27.05.2019	Himalayan Goral (0:1:0:0)	Pangi Division	-	-	Severely injured and Died on 31.05.2019
7.	08.09.2019	Himalayan Goral (1:0:0:0)	RFO Ramgadh	-	-	Severely injured and Died on 09.09.2019
8.	17.09.2019	Indian Black Turtle (0:0:1:0)	Local person	-	-	Released back at rescued location
9.	23.01.2020	Barking Deer (0:1:0)	RFO Nurpur	22.04.2020 Letter no. – 30/GP	-	Severely injured and Died on 24.01.2020

10.	06.02.2020	Sambar (0:1:0)	Suket Division	22.04.2020 Letter no. – 31/GP	-	Severely injured and Died on 07.02.2020
11.	28.02.2020	Monal (1:0:0)	RFO Bir	22.04.2020 Letter no. – 32/GP	-	Severely injured and Died on 05.03.2020
12.	08.03.2020	Indian Peafowl (1:0:0)	RFO WL N/Surian	22.04.2020 Letter no. – 33/GP	-	Under treatment
13.	14.03.2020	Barking Deer (1:0:0)	RFO Dharamshala	22.04.2020 Letter no. – 34/GP	-	Severely injured and Died on 15.03.2020
14.	18.03.2020	Barking Deer (1:0:0)	Parvati Division	22.04.2020 Letter no. – 35/GP	-	Severely injured and Died on 19.03.2020
15.	19.03.2020	Barking Deer (1:0:0)	RFO Hamirpur	22.04.2020 Letter no. – 36/GP	-	Severely injured and Died on 20.03.2020
16.	20.03.2020	Sambar (1:0:0)	Bandla Beat, Palampur Range	22.04.2020 Letter no. – 37/GP	-	Severely injured and Died on 21.03.2020

ANNUAL INVENTORY OF ANIMALS

FORM II [see rule 11 (1)] Part-A

ANNUAL INVENTORY RETURN/REPORT FOR THE YEAR 2019-20 IN RESPECT OF DHAULADHAR NATURE PARK GOPALPUR-HP

Endangered Species*																										
Sr. No.	Animal Name	Scientific Name	Opening Stock as on 1.04.2019				Births				Acquisitions				Disposals				Deaths				Closing Stock as on 31.3.2020			
			M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T
Birds																										
1	Steppe Eagle	<i>Aquila nipalensis</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
2.	African Grey Parrot	<i>Psittacuse rithacus</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Birds			0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Mammals			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.	Asiatic Lion	<i>Pantheral eopersica</i>	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	1	1	0	2
Total Mammals			0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	1	1	0	2
Grand Total			0	0	2	2	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	1	1	2	4

FORM II [see rule 11 (1)] Part-B

ANNUAL INVENTORY RETURN/REPORT FOR THE YEAR 2019-20 IN RESPECT OF DHAULADHAR NATURE PARK GOPALPUR-HP

Other than Endangered Species

Sr No	Animal Name	Scientific Name	Opening Stock as on 01.04.2019				Births				Acquisitions				Disposals				Deaths				Closing Stock as on 31.3.2020				
			M	F	U*	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	
Birds																											
1	Indian Peafowl	<i>Pavo cristatus</i>	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	1
2	Kalij Pheasant	<i>Lophura leucomelanos</i>	2	4	0	6	0	0	0	0	1	3	0	4	0	0	0	0	1	2	0	3	2	5	0	7	
3	Red Jungle Fowl	<i>Gallus gallus</i>	6	8	0	14	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	5	8	0	13		
4	Black Kite	<i>Milvus migrans</i>	0	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	
5	Bhutan Gray Peacock	<i>Polyplectron bicalcaratumbakeri</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
6	Himalayan Griffon	<i>Gyps himalynsis</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	
7	Emu	<i>Dromaius novachallandiae</i>	1	1	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	5	
8	Silver Pheasant	<i>Lophura nycthemera</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
9	Ring Necked Pheasant	<i>Phasianus colchicus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	1		

10	Lady Amhrest Pheasant	<i>Chrysolophus amherstiae</i>	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	1
Total Birds			16	15	10	41	0	0	0	0	1	3	0	4	0	0	0	0	4	3	0	7	13	15	1	0	3
Mammals																											
1	Common Leopard	<i>Panthera pardus</i>	6	8	0	14	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	6	8	0	14
2	Him. Black Bear	<i>Ursus thibetanus</i>	5	3	0	8	0	0	0	0	0	0	0	0	2	2	0	4	1	0	0	1	2	1	0	0	3
3	Goral	<i>Naemorhedus goral</i>	8	6	0	14	2	2	0	4	0	0	0	0	0	0	0	0	1	0	0	1	9	8	0	17	
4	Sambar	<i>Rusa unicolor</i>	22	32	3	57	4	5	0	9	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	66	
5	Barking deer	<i>Muntiacus muntjak</i>	6	22	7	35	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2	0	34	
6	Wild Boar	<i>Sus scrofa</i>	1	6	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	5	0	6	
7	Leopard Cat	<i>Prionailurus bengalensis</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
Total Mammals			49	77	10	136	6	8	0	13	0	1	0	0	2	2	0	4	3	2	0	3	57	81	1	41	
Reptile/Amphibians																											
1	Indian Black Turtle	<i>Melanochelys trijuga</i>	1	4	1	6	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	1	4	3	8
2	Indian Flap shell Turtle	<i>Lissemys punctata</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Total Reptiles/Amphibians			1	4	3	8	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	1	4	5	10

Grand Total	6	9	2	1	6	8	0	1	1	4	2	6	2	2	0	4	7	3	0	1	7	1	2	1
	5	6	3	8				3												0	1	0	5	8

Note:- U* = Un-identified

MORTALITY OF ANIMALS

Sr. No.	Animal Name (with individual identification mark if any)	Sex	Date of death	Reason of death as per the post-mortem report
1.	Black Kite	U	18.04.2019	septicemia
2.	Lady Amhrest Pheasant	M	15.04.2019	
3.	Himalayan Black Bear	M	26.06.2019	
4.	Ring Necked Pheasant	F	12.11.2019	Enteritis
5.	Goral	M	16.12.2019	Old age and cardiac arrest
6.	Barking Deer	F	21.12.2019	pneumonia
7.	Indian Gazelle	M	25.12.2019	Stress, Shock and adaptation failure
8.	Wild Boar	F	07.01.2020	
9.	Barking Deer	M	19.02.2020	Enteritis and hepatopathy
10.	Indian Peafowl	M	21.02.2020	Senility and multiorgan failure

COMPLIANCE REPORT ON SUGGESTIONS/RECCOMENDATIONS OF CZA

Sr.	Norm	Under	Particulars of Suggestions/Recommendation	Status with regard to compliance of
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No.	RZR, 2009		the conditions
1. General requirements			
1.	10.1 (1)	The Zoo is located on hilly terrain and have steep slope, the Zoo should take efforts for proper landscaping of the animal enclosures.	The action has been taken in Barking Deer and Goral Enclosure and same will be practiced in proposed enclosures as per approved (Master Layout) plan.
2.	10.1 (7)	The Zoo should make arrangement for proper disposal of liquid waste generated at the Zoo.	Needful done.
2. Administrative and Staffing Pattern			
3.	10.2 (1)	The Range Officer, In-Charge of the Zoo should be delegated with adequate financial and administrative powers for taking immediate decisions concerning health and welfare of the Zoo animals.	The Range Officer has been given adequate financial and administrative powers to take immediate decisions concerning health and welfare of the Zoo animals in consultation with Zoo Director.
4.	10.2 (2)	The Zoo should deploy technical staff for smooth functioning as mandatory under RZR, 2009- One Curator, One veterinarian and one Biologist.	One Veterinarian is already in Zoo and one Zoo Biologist has been deployed under HPZCBS for technical inputs in the Zoo.
3. Development and Planning			
5.	10.3 (5)	The Zoo should develop/modify the enclosure , animal houses and visitor facilities as per approved Master (Layout) Plan in such a way that the natural landscape of the Zoo is not masked and the cleanliness and hygiene of the Zoo is not been affected. The enclosure design of the endangered species should be got approved from the CZA. All enclosures should be a per standard and norms prescribed by the CZA.	A due consideration has been given to this and all the enclosure designs are prepared keeping in view the natural landscape of the Zoo and as per standard and norms prescribed by the CZA only.

6.	10.3 (8)	The Zoo Operator should obtain prior approval from the Chief Wildlife Warden of the State and the Central Zoo Authority for housing rescued animals. The Zoo should also ensure that such animals should not be used for exchange with other Zoos.	Noted for compliance.
4. Animals housing, display of animals and animals enclosures			
7.	10.4 (1,2, 3 & 5)	The enclosure of all the animals Master (Layout) Plan. Prior approval of designs should be obtained from the CZA.	The enclosure designs of Himalayan Black Bear, Asiatic Lion, Tiger, Leopard, Jackal and Small carnivores has already been submitted to CZA for necessary approval.
8.	10.4 (6)	The Zoo shall enrich enclosures as per behavior requirements of the animals species housed.	Enrichment of enclosures such as Goral, pheasants and turtle is complied with whereas necessary enrichments works has been proposed during the current Financial year.
9.	10.4 (9)	The live hedge should be maintained in between enclosure and stand-off barrier.	Action has been taken to maintain a live hedge between Barking Deer & Goral enclosure. Similarly, live hedge has been maintained in enclosure and stand-off barriers in Barking Deer, Goral, and Leopard & Pheasant section.
10.	10.4 (10)	The bilingual signages with adequate biological and behavioral information about the species should be displayed appropriately at each enclosure.	Work is under progress and needful will be done in this regard.
5. Upkeep and healthcare of animals			
11	10.5 (4)	The provision of feeding cells and kraal as per the dimensions, designs and the standards specified by the CZA should be made available.	Action has been taken to provide feeding cells/mangers in Sambar, Barking Deer, Goral and Wild Boar

			enclosures. Due consideration for provision of feeding cells and kraal the standards specified by the CZA has been given in designing new enclosure as per approved Master (Layout) Plan.
12.	10.5 (5)	The staff handling preparation and distribution of food should wear boots and gloves to maintain hygiene.	Complied with.
13.	10.5 (5)	A Schedule should be developed for disinfection of the enclosures and shall be followed in the Zoo	Complied with. A cleaning and disinfection schedule has been developed to follow in Zoo.
14.	10.5 (9)	All the staff handling animals should be screened against Zoonotic diseases at least once in a year and records should be maintained.	Complied with. Annual health examination of the Zoo staff is followed strictly.
15.	10.5 (10)	The Zoo should prepare and maintain Keeper's Diary, Daily Reports, Animal History Cards and Treatment Cards, as per standards specified by the Central Zoo Authority.	Complied with. A daily diary is maintained as per standards.
6. Veterinary and Infrastructure facilities			
16.	10.6 (5)	A Veterinary support staff Stockman / Compounder should be deployed.	Matter has been taken up with the higher ups regarding the deployment of Stockman / Compounder under HPZCBS
7. Post-mortem and disposal of carcasses of Animals.			
17.	10.7 (4)	The carcasses of large cats should be disposed off by burning in the presence of director of the Zoo or any officer in the next rank to him and authorized by him in this behalf.	Complied with. The carcasses of all the scheduled animals are disposed -off by burning in the presence of committee under intimation to Zoo Director.
9. Acquisition and breeding of animals			

18.	10.9 (2)	To safeguard against ill effects of inbreeding the Zoo should have animal exchange programme with other Zoos for infusion of new blood line.	Noted for compliance
19.	10.9 (10)	The Disaster Management Plan should be implemented as per the approved Master Plan	Master Plan has been sent to CZA for necessary approval.
10. Research Activities.			
20.	10.10 (1)	The Zoo should encourage local institution / university students to undertake need based research activities.	Noted for compliance.
11. Education and Outreach Activities.			
21.	10.11 (1)	The Zoo should carryout various educational activities for the awareness of the public.	The Zoo undertake various educational activities for the awareness of the public every year.
12. Visitor Facilities.			
22.	10.12 (2)	The Zoo should procure and maintain snake anti-venom.	A Community Health Center is located at distance of 100 meters only from the Zoo. Also necessary first aid is maintained in Zoo foe exigency.
23.	10.12 (3)	A smooth circular road should be developed for visitors. Ramp should be constructed at every enclosure for facilitation of Physically challenged persons for viewing wild animals. All civic facilities should be accessible to such visitors.	Complied with.

LIST OF FREE LIVING WILD ANIMALS WITHIN THE ZOO PREMISES

- a. **Mammals:** Wild Boar, Leopards, Indian Grey Mongoose.
- b. **Birds:** as per the survey, 88 species of birds have been reported in the Zoo premises. List attached as annexure 1.
- c. **Reptiles:** - Rat Snake, Russell's viper, Common Trinket, Checked Keelback, etc.
- d. **Butterflies** –as per the survey, 53 species of butterflies have been reported in the Zoo premises. List attached as annexure 2.

ANNEXURE 1: List of free living birds within the zoo premises

S.No.	Name of birds	Scientific Names
1	Alexandrine Parakeet	<i>Psittaculaeupatria</i>
2	Plum-headed Parakeet	<i>Psittaculacyanocephala</i>
3	Slaty-headed Parakeet	<i>Psittaculahimalayana</i>
4	Rose-ringed Parakeet	<i>Psittaculakrameri</i>
5	Ashy Drongo	<i>Dicrurusleucophaeus</i>
6	Black Drongo	<i>Dicrurusmacrocerus</i>
7	Spangled Drongo	<i>Dicrurushottentottus</i>
8	Ashy Prinia	<i>Priniasocialis</i>
9	Jungle Prinia	<i>Priniasylvatica</i>
10	Plain Prinia	<i>Priniainornata</i>
11	Striated Prinia	<i>Priniacriniger</i>
12	Asian Brown Flycatcher	<i>Muscicapadaurica</i>
13	Asian Paradise flycatcher	<i>Terpsiphoneparadisi</i>
14	Grey-headed Canary Flycatcher	<i>Culicicapaceylonensis</i>
15	Verditer Flycatcher	<i>Eumyiasthalassina</i>
16	Ultramarine Flycatcher	<i>Ficedulasuperciliaris</i>
17	Asian Koel	<i>Eudynamysscolopacea</i>
18	Common Hawk Cockoo	<i>Hierococcyxvarius</i>
19	Lesser Cockoo	<i>Cuculuspoliocephalus</i>
20	Bank Myna	<i>Acridotheresginginianus</i>
21	Common Myna	<i>Acridotherestrictis</i>
22	Jungle Myna	<i>Acridotheresfuscus</i>
23	Barn Swallow	<i>Hirundorustica</i>
24	Red-rumped Swallow	<i>Hirundodaurica</i>
25	Wire-tailed Swallow	<i>Hirundosmithii</i>
26	Bar-tailed Treecreeper	<i>Certhiahimalayana</i>
27	Chestnut-bellied nuthatch	<i>Sittacastanea</i>
28	Black Bulbul	<i>Hypsipetesleucocephalus</i>
29	Himalayan Bulbul	<i>Pycnonotusleucogenys</i>
30	Red-vented Bulbul	<i>Pycnonotuscafer</i>
31	Black-chinned Babbler	<i>Stachyrispyrrhops</i>
32	Common Babbler	<i>Turdoidescaudatus</i>
33	Jungle Babbler	<i>Turdoidesstriatus</i>
34	Black Francolin	<i>Francolinusfrancolinus</i>
35	Grey Francolin	<i>Francolinuspondicerianus</i>
36	Black kite	<i>Milvusmigrans</i>
37	Blue-throated Barbet	<i>Megalaimaasiatica</i>
38	Brown-headed Barbet	<i>Megalaimazeyleanica</i>
39	Coppersmith Barbet	<i>Megalaimahaemacephala</i>
40	Great barbet	<i>Megalaimavirens</i>
41	Blyth's Reed Warbler	<i>Acrocephalusdumetorum</i>
42	Grey-hooded Warbler	<i>Seicercusxanthoschistos</i>

43	Hume's Warbler	<i>Phylloscopushumei</i>
44	Brown-fronted Woodpecker	<i>Dendrocoposauriceps</i>
45	Fulvous-breasted Woodpecker	<i>Dendrocoposmacei</i>
46	Grey-headed Woodpecker	<i>Picuscanus</i>
47	Black-rumped Flameback	<i>Dinopiumbenghalense</i>
48	Cattle Egret	<i>Bubulcus ibis</i>
49	Little Egret	<i>Egretta garzetta</i>
50	Indian Pond Heron	<i>Ardeolagrayii</i>
51	Chestnut shouldered Petronia	<i>Petronia xanthocollis</i>
52	House Sparrow	<i>Passer domesticus</i>
53	Russet Sparrow	<i>Passer rutilans</i>
54	Chestnut-crowned laughing Thrush	<i>Garrulaxerythrocephalus</i>
55	Orange-headed Thrush	<i>Zootheracitrina</i>
56	Variegated laughing Thrush	<i>Garrulax variegatus</i>
57	Blue Whistling Thrush	<i>Myophonus caeruleus</i>
58	Large-billed Crow	<i>Corvus macrorhynchos</i>
59	Common Rosefinch	<i>Carpodacus erythrinus</i>
60	Egyptian Vulture	<i>Neophron percnopterus</i>
61	Eurasian Golden Oriole	<i>Oriolus oriolus</i>
62	Great Tit	<i>Parus major</i>
63	Grey Bushchat	<i>Saxicola ferrea</i>
64	Pied Bushchat	<i>Saxicola caprata</i>
65	Indan Robin	<i>Saxicoloides fulvicata</i>
66	Oriental Magpie Robin	<i>Copsychus saularis</i>
67	Laughing Dove	<i>Streptopelia senegalensis</i>
68	Red Collered Dove	<i>Streptopelia tranquebarica</i>
69	Spotted Dove	<i>Streptopelia chinensis</i>
70	Long-tailed Minivet	<i>Pericrocotus ethologus</i>
71	White-throated Fantail	<i>Rhipidura albicollis</i>
72	White-browed Fantail	<i>Rhipidura aureola</i>
73	Oriental White-eye	<i>Zosterops palpebrosus</i>
74	Pied Kingfisher	<i>Ceryle rudis</i>
75	Purple Sunbird	<i>Nectarinia asiatica</i>
76	Red-backed Shrike	<i>Lanius collurio</i>
77	Red-billed Blue Magpie	<i>Urocissa erythrorhyncha</i>
78	Yellow-billed Blue Magpie	<i>Urocissa flavirostris</i>
79	Red junglefowl	<i>Gallus gallus</i>
80	Red-wattled Lapwing	<i>Vanellus indicus</i>
81	Rock Pigeon	<i>Columba livia</i>
82	Scaly-breasted Munia	<i>Lonchurapunctulata</i>
83	Spotted Forktail	<i>Enicurus maculatus</i>
84	White-capped Water Redstart	<i>Chaimarrornis leucocephalus</i>
85	Common Tailorbird	<i>Orthotomus sutorius</i>
86	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>
87	Rufous Sibia	<i>Heterophasia capistrata</i>
88	Shikra	<i>Accipiter badius</i>

ANNEXURE 2: List of free living butterflies within the zoo premises

S.No.	Name of species
1	Common Mormon
2	Common Crow
3	Dark Clouded Yellow
4	Dark Grass Blue
5	Common Leopard
6	Chocolate Pansy
7	Common Lime
8	Common Sailer
9	Blue Pansy
10	Common Emigrant
11	Indian Cabbage White
12	Fulvous Pied Flat
13	Common Hedge Blue
14	Common Grass Yellow
15	Mottled Emigrant
16	Swift ?
17	Lemon Pansy
18	Large Threering
19	Common Costor
20	Indian Tortoiseshell
21	Painted Lady
22	Peacock Pansy
23	Spangle
24	Indian Red Admiral
25	Striped Tiger
26	Club Beak
27	Bath White
28	Tabby
29	Indian Fritillary
30	Guava Blue
31	Common Sergeant
32	Large Hedge Blue
33	Glassy Tiger
34	One Spot Grass Yellow
35	Ringed Argus
36	Common Wall
37	Common Bushbrown
38	Common Redeye
39	Common Jester
40	Common Small Flat

41	Vagrant
42	Zebra Blue
43	Pale Palm Dart
44	Dark Evening Brown
45	Yellow Pansy
46	Plain Tiger
47	Spotted Small Flat
48	Great Satyr
49	Sorrel Sapphire
50	Striped Blue Crow
51	Grass Demon
52	Common Brimstone
53	Pea Blue