

DEHRADUN ZOO



Annual Report for the year 2017-18

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1. Report of the Officer-in-charge

The year 2017-18 was a remarkable year in the history of dehradun zoo in many aspects. This year the zoo has achieved many mile stones. In this 12 months more than six lakh visitors visited the zoo, two lakh more than last year and highest ever in the history. At the same time the revenue of the zoo has increased from 70 lakh to almost 2 crores.

This year the main focus was to improve the basic infrastructures of the zoo and during this period infrastructure works such as admin building, food store, kitchen, veterinary hospital, food court, and entrance plaza have been completed. The construction of leopard rescue centre, leopard proof fencing, 3 D theatre and aquarium also completed. In the month of June 2017 the Honorable chief minister and forest minister of Uttarakhand inaugurated the aquarium and 3D theatre of the zoo.



Despite of all limitations the zoo has maintained about 350 animals and birds of different species in healthy condition. From last year 24 births, 14 death of different species animals occurred in the zoo. Besides 5 new animals were acquired in to the zoo population. The zoo also served as rescue centre for many animals. Many animal enclosures were renovated and enriched as per the requirement of the animal.

To enhance the capacity building, four persons were sent to different zoos for training on different aspects of the animal management.

To improve visitors facilities old toilets were renovated and new toilets were constructed, parking facility improved, drinking water facility provided at important locations.

Education and awareness is one of the important objective and mandate of the zoo, for which many programmes and events were organised in the zoo. World environment day was celebrated in a grand way with the partnership of times of india group, fun for science event were organised with the help of SPECS. Important events such as global tiger day, crocodile day, sparrow day, wildlife week, world wildlife day were organised in the zoo. Many students, researchers and trainees from different institutes such as WII, FRI, BIFT etc were visited for learning the captive management of zoo animals.



The events such as great backyard bird count, national moth day was organised for the first time in the zoo. During this period many dignitaries from the state and outside the state visited the zoo. The evaluation of the zoo was conducted by the CZA and the recognition was extended up to 2019. Two meetings of governing body of the dehradun zoo management society was conducted and many

decisions were taken for the improvement of the zoo. In the month of december the society also received the exemption under 12 A and 80G of income tax act. Despite of all limitation the management of the zoo has been improving day by day and the zoo management is committed to further enhance the facility for animals as well as the visitors so that the objective of the zoo shall be achieved.

2. History of the Zoo

The Dehradun Zoo, earlier known as Malsi Deer Park was established as van chetna kendra, in year 1976. Initially it was established with 3 Spotted Deer, 1 Goral, 2 Barking Deer, 3 Peafowl and 5 Budgerigar. In past years the zoo was served as rescue centre for various species of wild animals and birds. The Malsi Deer Park was for the first time upgraded to Mini zoo by CZA under Section 28(H) of Wildlife Protection Act, 1972 by order on 19-123/93-CZA(267) (M) 450 dated 09.03.2012 for three years. The first master layout plan was approved by CZA in 2013. Initially it was managed by the malsi range of dehradun forest division, latter on for better management, a separate unit was established in year 2014. The recognition of mini zoo was extended for two years in year 2015. For independent and effective management of the zoo, dehradun zoo management society was formed by Uttarakhand government in year 2016 and the society was registered under society act. The revised master layout plan was approved in year 2016. The management society received the income tax exemption under section 12 and 80 G of income tax act in year 2017. The zoo was evaluated in 2017 and status was extended up to 2019. In december 2017 separate director was posted in the zoo for independent management of zoo. Over the years the basic infrastructures were improved, many old enclosures were renovated and new one were constructed for better management and housing of animals. Many facilities were created and existing one were improved for visitors. Animals and birds were housed as per the approved layout plan. Many new facilities such as aquarium and 3D theatres were created for visitors. The veterinarian from rajaji national park was given additional charge for healthcare management of the zoo animals. Basic healthcare facility was created for better animal healthcare. Due to all these improvements the number of visitors increased from 2.5 lakhs to 5.2 lakh. At present only 5 ha out of total 25 ha area of the zoo is open for the visitors and about 350 individuals of different birds and animals species have been managed by the zoo.

3. Vision

The vision of Dehradun zoos is as follows:-

- The Dehradun zoo shall act as a Scientific institutions engaged in conservation of wildlife and welfare of wild animals.
- This zoo shall be developed as a Centre of knowledge/ excellence on wildlife management and ex-situ conservation of animals.
- It shall be act as a Centre for education, awareness and recreation on the theme of nature, forest, wild life and sustainable lifestyle.
- This zoo shall facilitate the visitors to understand the biology and behavior of the species displayed and their importance in natural balance and appreciate composite and complex nature of different ecosystems.

4. Misson

The mission of establishment and development of Dehradun zoo are:-

- Compliment the national efforts in conservation of wildlife through conservation breeding of endangered wild animal species of the region in a planned and coordinated manner on scientific basis.
- Develop empathy amongst visitors for wild animals and motivate them to support the cause of conservation of wildlife.
- Develop an understanding amongst the visitors about the ecological linkages with the life supporting processes of nature and the need for sustainable life styles and living in harmony with nature.
- To act as Rescue Centre by receiving and keeping orphaned, seized, rescued, injured wild animals.
- To act as research, training and knowledge centre for wild life conservation, in-situ population and habitat management

5. Objectives

Dehradun Zoo is being conceptualised to achieve following objectives -

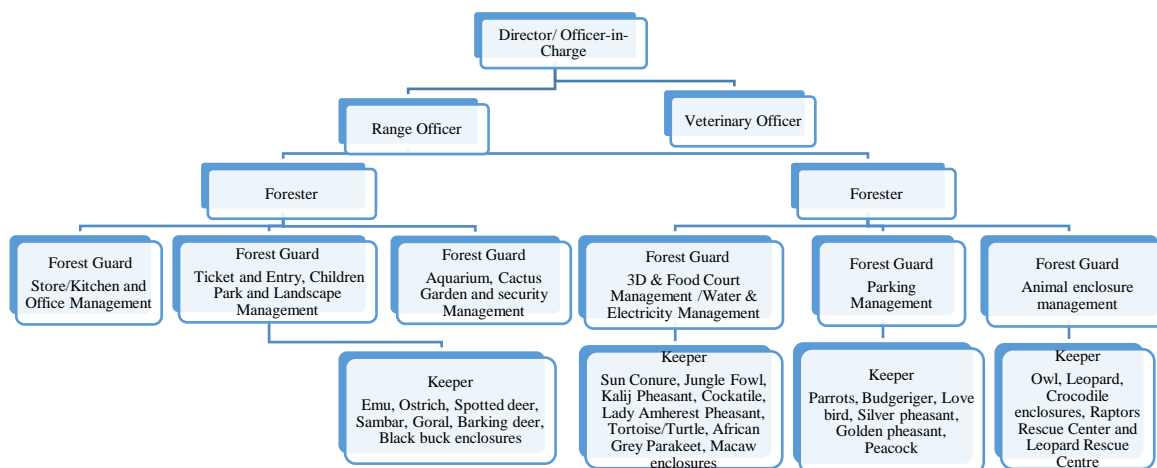
- To establish and sustain a population of physically, genetically and behaviourally healthy animals and displaying them in naturalistic ambience.
- To supplement the conservation strategies for the rare and endangered species of the Shiwalik landscape by *ex-situ* conservation efforts.
- To emerge as a centre for educating, motivating and spreading the message of wildlife and biodiversity conservation to the public.
- To act as a rescue and transit centre for the problem and injured animals rescued from the nearby areas.

6. About us

S.No.	Particulars	Information
Basic Information about the Zoo		
1	Name of the Zoo	DEHRADUN ZOO
2	Year of Establishment	1976 (Malsi Deer Park), 2012 (Dehradun Mini Zoo)
3	Address of the Zoo	Musoorree diversion, Sinola, Malsi, Dehradun
4	State	Uttarakhand
5	Telephone Number	
6	Fax Number	
7	E-mail address	zoodehradun@gmail.com
8	Website	www.dehradunzoo.org
9	Distance from nearest	Airport: Jolygrant- 45 km
		Railway Station: Dehradun -15 km
		Bus Stand: ISBT- 20 Km
10	Recognition Valid upto (Date)	31 .03.2019
11	Category of zoo	Mini Zoo
12	Area (in Hectares)	25 Ha
13	Number of Visitors (Financial Year)	Adult : 4,88,170
		Children : 1,31,280
		Total Indian :6,17,949
		Total Foreigners :1,501
		Total Visitors: 6,19,450
14	Visitors' Facilities Available in Zoo	Parking, Clock room, Pure RO drinking water, Food court, Toilets, rest sheds, sitting banches.
15	Weekly Closure Day of the Zoo	Monday

S.No.	Particulars	Information
Management Personnel of the zoo		
16	Name with designation of the Officer in-charge	Prasana Kumar Patro
	Name of the Veterinary Officer	Dr. Rakesh Noutiyal
	Name of the Curator	Mr. M.M. Baijwan
	Name of the Biologist	-
	Name of the Education Officer	-
	Name of the Compounder/ Lab Assistant	-
Owner / Operator of the Zoo		
17	*Name of the Operator	Director dehradun zoo, Dehradun Zoo Management Society, Uttarakhand Forest department, Government of Uttarakhand
18	Address of the Operator	Musoorree diversion, Sinola, Malsi, Dehradun. Pin code: 248003
19	Contact details/Phone number of Operator	9412085077
20	E-mail address of Operator	Prasana03ifs@gmail.com zoodehradun@gmail.com

7. Organizational Chart



8. Human Resources

Manpower of the Zoo*

Sl.No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1	Director	01	Mr. P K Patro
1	Range officer/ curator	01	Mr. M.M. Baijwan
2	Veterinary Officer	01	Mr. Rakesh Nautiyal
3	Forester	02	Mr. S.P. Binjola Mr. Vinod Kukmar Lingwal
4	Forest guard	06	Mr. Azmat Ali Mrs.Pryianka Madhwal (Bhatt) Miss.Vineeta Chimwal Mr. Manoj Chamoli Mrs. Asha Mr. Amit Anthwal
5	Zoo keeper	04	Mr. Bhagat Singh Mr.Munna Lal Mr. Rameshwer Mr. Sompal
6	Contractual staff	15	
7	Security staff (PRD)	07	

9. 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	Mr. Azmat Ali (Forest Guard)	Upkeeping/ care of the wild animals	One week	Dhauladhar Nature Park, Gopalpur, District Kangra(H.P.)
2	Mr. S.P. Binjola (Forester)	Upkeeping of animals	3 days	Pt G B Panth high altitute zoo, Nainital
	Mr. Bhagat Singh Chauhan(Keeper)	Upkeeping of animals	3 days	Pt G B Panth high altitute zoo, Nainital
2	Mr. Bhagat Singh Chauhan(Keeper)	Upkeeping/ care of the wild animals	One week	Dhauladhar Nature Park, Gopalpur, District Kangra(H.P.)
3	Mr. Rameshwer Prasaad(Keeper)	Upkeeping/ care of the wild animals	3 days	Kanpur Zoo

10. Zoo Advisory Committee –

The governing body of the dehradun zoo management society is at present acting as advisory committee for the management of the zoo. The governing body is a 12 member committee headed by the principal secretary/ additional chief secretary forest of Uttarakhand government and the director dehradun zoo is the member secretary.

11. Health Advisory Committee– The proposal for formation of health advisory committee has been sent to the Uttarakhand government for approval.



12. Number of visitors and revenue of last five year

Year	Number of visitors	Revenue (in lakh)
2013-14	198700	23.28
2014-15	238225	25.61
2015-16	270744	40.77
2016-17	411740	76.73
2017-18	619450	198.85

13. Financial statement of financial year 2017-18

Dehradun Zoo Management Society
Dehradun Zoo Near Malsi Road Post Sinhola
 Provisional Balance Sheet
 As on 31.03.2018

Particulars	Sch. No.	Amount(Rs.)
<u>Sources of Funds</u>		
<u>Working Capital Fund</u>		
Opening Balance	(1,274,325.00)	
Deficit during the year	<u>(3,037,364.18)</u>	(4,311,689.18)
<u>Fixed Asset Capital Fund</u>		
Opening Balance	5,293,917.00	
Capital expenditure incurred during the year	<u>15,386,403.00</u>	20,680,320.00
<u>Loans</u>		
Loan from Uttarakhand Forest Development Nigam		25,000,000.00
	Total Rs...	<u><u>41,368,630.82</u></u>
<u>Application of Funds</u>		
Fixed Asset & CWIP		
		20,680,320.00
<u>Current Assets</u>		
Bank balances		20,688,310.82
	Total Rs...	<u><u>41,368,630.82</u></u>

Dehradun Zoo Management Society
Dehradun Zoo Near Malsi Road Post Sinhola
Provisional Income and Expenditure Account for the year ending 31.03.2018

Particulars	Sch. No.	Amount
<u>Gross Receipts</u>	A	28,239,042.82
		<u>28,239,042.82</u>
<u>Expenses</u>		
Lacchiwala Nature Park Maintenance		2,730,840.00
Administrative Expenses	B	5,605,944.00
Repair and Maintenance	C	629,329.00
Adventure Activities		548,700.00
Govt Share in Receipts		6,375,191.00
Capital Expenditure incurred during the year		15,386,403.00
Total Rs...		<u>31,276,407.00</u>
Surplus/(Deficit) During the year		(3,037,364.18)

Dehradun Zoo Management Society
Dehradun Zoo Near Malsi Road Post Sinhola

Schedules annexed to Profit and Loss A/c
For the year ended 31.03.2016

S.No.	Particulars	Amount
"A" - Gross Receipts		
	Interest on FDR	16,768.00
	Lacchiwala Tourist Spot Collection	4,894,138.00
	Tender Fees	2,893,000.00
	Zoo Collections	19,808,055.82
	Donations	15,000.00
	Interest on Saving Bank A/c	612,081.00
		28,239,042.82
"B" - Administrative Expenses		
1	Advertisement Expense	301,473.00
2	Animal Welfare	1,648,879.00
3	Celebration Expense	140,247.00
4	Freight Expense	78,880.00
5	Fuel Expense	107,577.00
6	Housekeeping Expense	71,033.00
7	Medicine for Animals	22,275.00
8	Office Expense	83,250.00
9	Printing and Stationery	254,000.00
10	Refreshment Expense	38,822.00
11	Renewal Fees	10,000.00
12	Staff Welfare Expense	100,023.00
13	Telephone Expense	3,503.00
14	Tour & Travelling	5,500.00
15	Vehicle Repairing	42,315.00
16	Electrical Expense	1,818,585.00
17	Miscellaneous Expenses	78,103.00
18	Consumable	130,171.00
19	Interest on Loan	596,198.00
20	Professional Fees	75,110.00
	Total Rs...	5,605,944.00
"C" - Repair and Maintenance		
1	Repair and Maintenance of Garden	203,742.00
2	Repair and Maintenance of Cage	15,533.00
3	Repair and Maintenance of Pipe Line	40,724.00
4	Repair and Maintenance of Vehicle	4,490.00
5	Repair and Maintenance of Other	364,840.00
		629,329.00

Dehradun Zoo Management Society
Schedule "D" of Fixed Assets
As on 31.03.2018

S. No.	Particulars	W.D.V. As On 01.04.2017	Additions		Sold/ Trf	Total	Depreciation		W.D.V. As On 31.03.2018
			Before 30.09.2017	After 30.09.2017			Rate	Amount	
1	3D Hall(CWIP)	1,603,486.00	438,134.00	25,665.00	-	2,067,285.00	0%	-	2,067,285.00
2	Aquarium	3,567,229.00	6,735,151.00	839,706.00	-	11,142,086.00	0%	-	11,142,086.00
3	Bio Crush Machine	-	425,371.00	-	-	425,371.00	0%	-	425,371.00
4	Cactus Garden	-	91,666.00	2,139,299.00	-	2,230,965.00	0%	-	2,230,965.00
5	Electrical Fittings	-	71,203.00	5,180.00	-	76,383.00	0%	-	76,383.00
6	Food Court	-	283,310.00	-	-	283,310.00	0%	-	283,310.00
7	Furniture & Fixture	123,202.00	530,966.00	25,930.00	-	680,098.00	0%	-	680,098.00
8	Infrastructure	-	1,351,320.00	1,306,265.00	-	2,657,585.00	0%	-	2,657,585.00
9	Office Equipments	-	276,472.00	16,400.00	-	292,872.00	0%	-	292,872.00
10	Repair & Maintenance	-	148,340.00	80,717.00	-	229,057.00	0%	-	229,057.00
11	Crocodile Shelter	-	-	79,085.00	-	79,085.00	0%	-	79,085.00
12	Leopard Shelter	-	-	120,075.00	-	120,075.00	0%	-	120,075.00
13	Snake Shelter	-	-	146,634.00	-	146,634.00	0%	-	146,634.00
14	Ticket Machine	-	-	51,030.00	-	51,030.00	0%	-	51,030.00
15	Tortoise Shelter	-	-	198,484.00	-	198,484.00	0%	-	198,484.00
Total Rs...		5,293,917.00	10,351,933.00	5,034,470.00	-	20,680,320.00	-	-	20,680,320.00

14. Daily feed Schedule of animals

Sl. No.	Species	Nos.	Feed item	Quantity per animal(in Kg)		Day of fasting
				Summer	Winter	
1	African Grey Parrot	2	Gram	0.080	0.080	
			Maiz	0.008	0.008	
			Kanki	0.026	0.026	
			Ground nut	0.026	0.026	
			Seasonal Fruits	0.100	0.100	
			Green Chilly	0.010	0.010	
			Total	0.250	0.250	
2	Sun Parakeet	5	Wheat	0.140	0.140	
			Kanki	0.030	0.030	
			Kangni	0.106	0.106	
			Tomato	0.050	0.050	
			Seasonal Fruits	0.120	0.120	
			Total	0.446	0.446	
3	Cockatiel	22	Bajra	0.110	0.110	
			Wheat	0.130	0.130	
			Kanki	0.110	0.110	
			Kangni	0.110	0.110	
			Green vegetables	0.210	0.210	
			Total	0.670	0.670	
4	Lady Pheasant Amherst	4	Bajra	0.020	0.020	
			Wheat	0.040	0.040	
			Kangni	0.100	0.100	
			Onion	0.040	0.040	
			Garlic	0.040	0.040	
			Green vegetables	0.120	0.120	
			Gourd	0.080	0.080	
			Tomato	0.100	0.100	
			Egg	0.000	0.200	
			Total	0.540	0.740	
5	Kalij Pheasant	4	Bajra	0.020	0.020	
			Wheat	0.040	0.040	
			Kangni	0.100	0.100	
			Onion	0.040	0.040	
			Garlic	0.040	0.040	
			Green vegetables	0.120	0.120	
			Gourd	0.080	0.080	
			Tomato	0.100	0.100	
			Egg	0.000	0.200	
			Total	0.540	0.740	

6	Macaw	2	White Gram	0.200	0.200	
			Roasted Gram	0.022	0.022	
			Walnut	0.060	0.060	
			Sunflower Seeds	0.200	0.200	
			Ground nut	0.040	0.040	
			Tomato	0.050	0.050	
			Seasonal Fruits	0.100	0.100	
			Total	0.672	0.672	
7	Tortoise/Turtle	8	Onion	0.040	0.040	
			Garlic	0.040	0.040	
			Green vegetables	0.600	0.600	
			Gourd	0.090	0.090	
			Tomato	0.170	0.170	
			Total	0.940	0.940	
8	Vulture	2	Chicken	1.000	1.000	Tuesday
			Beef			
			Total	1.000	1.000	
9	Eagle	4	Chicken	1.000	1.000	Tuesday
			Beef			
			Total	1.000	1.000	
10	Leopard	2	Chicken	5.000	5.000	Tuesday
			Beef			
			Total	5.000	5.000	
11	Crocodile	3	Chicken	3.000	1.000	Tuesday
			Total	3.000	1.000	
12	Owl	3	Chicken	0.800	0.800	Tuesday
			Total	0.800	0.800	
13	Ostrich	2	Gram	1.000	1.000	
			Maiz	0.800	0.800	
			Wheat	0.800	0.800	
			Soybean	0.800	0.800	
			Egg	0.000	0.200	
			Green vegetable	0.500	0.500	
			Total	3.900	4.100	
14	Emu	3	Gram	0.900	0.900	
			Maiz	0.600	0.600	
			Wheat	0.600	0.600	
			Soybean	0.600	0.600	
			Egg	0.000	0.150	
			Green vegetable	0.500	0.500	
			Total	3.200	3.350	
15	Sambar	3	Gram	0.900	0.900	
			Maiz	1.000	1.000	
			Husk(Chowker)	1.000	1.000	
			Batisa	0.250	0.250	
			Jaggery	0.000	0.400	
			Oil cake	0.000	0.300	
			Green grass	45.000	45.000	
			Total	48.150	48.850	

16	Goral	5	Gram	1.000	1.000	
			Maiz	0.600	0.600	
			Husk(Chowker)	0.600	0.600	
			Batisa	0.250	0.250	
			Jaggery	0.000	0.300	
			Oil cake	0.000	0.250	
			Green grass	22.000	22.000	
			Total	24.450	25.000	
17	Barking Deer	9	Gram	1.000	1.000	
			Maiz	1.000	1.000	
			Husk(Chowker)	1.000	1.000	
			Batisa	0.400	0.400	
			Jaggery	0.000	0.500	
			Oil cake	0.000	0.450	
			Green grass	38.000	38.000	
			Total	41.400	42.350	
18	Spotted Deer	76	Gram	10.411	10.411	
			Maiz	5.205	5.205	
			Husk(Chowker)	5.205	5.205	
			Batisa	2.103	2.103	
			Jaggery	0.000	3.000	
			Oil cake	0.000	5.700	
			Green grass	718.356	718.356	
			Total	741.280	749.980	
19	Black buck	1	Gram	0.100	0.100	
			Maiz	0.400	0.400	
			Husk(Chowker)	0.400	0.400	
			Batisa	0.080	0.080	
			Jaggery	0.000	0.060	
			Oil cake	0.000	0.050	
			Green grass	5.000	5.000	
			Total	5.980	6.090	
20	Love Bird	30	Bajra	0.150	0.150	
			Wheat	0.140	0.140	
			Kanki	0.140	0.140	
			Kangni	0.170	0.170	
			Green vegetables	0.090	0.090	
			Gourd	0.090	0.090	
			Total	0.780	0.780	
21	Budgerigar	122	Bajra	0.590	0.590	
			Wheat	0.560	0.560	
			Kanki	0.590	0.590	
			Kangni	0.500	0.500	
			Green vegetables	0.200	0.200	
			Total	2.440	2.440	

22	Parrot	22	Gram	0.110	0.110	
			Maiz	0.110	0.110	
			Kanki	0.280	0.280	
			Kangni	0.280	0.280	
			Roasted gram	0.230	0.230	
			Green vegetable	0.500	0.500	
			Tomato	0.070	0.070	
			Seasonal Fruits	0.220	0.220	
			Green Chilly	0.060	0.060	
			Total	1.860	1.860	
23	Silver Pheasant	4	Bajra	0.020	0.020	
			Wheat	0.040	0.040	
			Kangni	0.100	0.100	
			Onion	0.040	0.040	
			Garlic	0.040	0.040	
			Green vegetables	0.120	0.120	
			Gourd	0.080	0.080	
			Tomato	0.100	0.100	
			Egg	0.000	0.100	
			Total	0.540	0.640	
24	Golden Pheasant	3	Bajra	0.020	0.020	
			Wheat	0.030	0.030	
			Kangni	0.075	0.075	
			Onion	0.020	0.020	
			Garlic	0.020	0.020	
			Green vegetables	0.120	0.120	
			Gourd	0.060	0.060	
			Tomato	0.060	0.060	
			Egg	0.000	0.100	
			Total	0.405	0.505	
25	Peacock	3	Bajra	0.060	0.060	
			Wheat	0.180	0.180	
			Kanki	0.120	0.120	
			Kangni	0.120	0.120	
			Green vegetables	0.200	0.200	
			Total	0.680	0.680	
26	Red Jungle Fowl	6	Poultry Feed	0.300	0.300	
			Bajra	0.030	0.030	
			Onion	0.060	0.060	
			Garlic	0.060	0.060	
			Green vegetables	0.180	0.180	
			Gourd	0.120	0.120	
			Tomato	0.120	0.120	
			Wheat	0.060	0.060	
			Egg	0.000	0.048	
			Total	0.930	0.978	

15. Vaccination Schedule of animals

Sl. No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
1	Deer	FMD	Tetravalent Vaccine 2 ml intramuscular	Twice in the year	
		HS			
		BQ			
2	Leopard	Rabies	1 ml	Yearly	
		Feline Pan Leucopenia	1 ml	Yearly	
3	Birds				Vaccination was not carried out
4	Turtle/Tortoise				Vaccination was not carried out
5	Crocodile				Vaccination was not carried out

16. De-worming Schedule of animals

Sl. No.	Species	Drug used	Month	Remark
1	Deer	Albendazole	May, September & December	Three times in the Year and Drugs are used according to the type of parasitic load and the condition of the pregnant and non pregnant animal.
		Fenbendazole		
		Triclabendazole		
		Livamisole		
		Oxyclozanide		
2	Leopard	Albendazole	February, June & October.	Three times in the Year and Drugs are used according to the type of parasitic load and the condition of the pregnant and non pregnant animal.
		Fenbendazole		
		Praziquantal		
		Parental Pamoate		
3	Birds	Fenbendazole		According to the examination of the fecal sample in every six months
		Praziquantal		
4	Turtle/Tortoise	Albendazole		According to the examination of the fecal sample in every six months
		Fenbendazole		
5	Crocodile	Albendazole		According to the examination of the fecal sample in every six months
		Fenbendazole		

17. Disinfection Schedule

Sl. No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Deer	Closed enclosure	Lime dust, spreading lime dust all over the captive area/ground	In the month of April & October
			White wash of the feeding platform	First and third Monday of the month
2	Leopard	Closed enclosure	2% Solution of POP and kohrsolin, dilutions are disinfectants used for washing the area	First and last Monday of the month.
3	Birds	Closed enclosure	Spraying of bectricidal(2% Solution of POP and kohrsolin, dilutions)	Last week of May, June & September
			Cleaning of water and feeder	Every Monday

18. Health Check-up of employees for zoonotic diseases

Sl. No.	Name	Designation	Date of Health Check up	Findings of Health Check up
1	Mr. M.M. Baijwan	Range officer/ curator	09-05-2017	Nil
2	Mr. S.P. Binjola	Forester	09-05-2017	Nil
3	Mr. Vinod Kukmar Lingwal	Forester	09-05-2017	Nil
4	Mr. Azmat Ali	Forest guard	08.05.2017	Nil
5	Mrs.Pryianka Madhwal (Bhatt)	Forest guard	-	
6	Miss.Vineeta Chimwal	Forest guard		
7	Mr. Manoj Chamoli	Forest guard	08.05.2017	Nil
8	Mrs. Asha	Forest guard	08.05.2017	Nil
9	Mr. Amit Anthwal	Forest guard	-	
10	Mr. Bhagat Singh	Zoo keeper	08.05.2017	Nil
11	Mr.Munna Lal	Zoo keeper	08.05.2017	Nil
12	Mr. Rameshwer	Zoo keeper	08.05.2017	Nil
13	Mr. Sompal	Zoo keeper	08.05.2017	Nil

19. Development Works carried out in the zoo during the year

- I. Food Court & Souvenir shop
- II. Ticket Plaza
- III. 3D Movie Hall (40 Seater)
- IV. Kitchen/Store
- V. Aquarium
- VI. Public Toilet Near Aquarium
- VII. Veterinary Hospital



- VIII. Admin Building
- IX. Leopard Proof Chain link fencing(2200 m)
- X. Safari Road(3km)
- XI. Goral Enclosure
- XII. Leopard Night Shelter



20. Education and Awareness programmes during the year

- 06.04.2017:- A group of students and reserchers from Wild life Institute /FRI and foreign nationals visited the zoo to study captive management of Wildlife.
- 27.04.2017:- A batch of forest guards trainees from Haldwani forestry training institute with CCF, Mr. Pramjeet Singh visited the zoo to have practical knowledge of wildlife management in captivity.
- 29.04.2017:-A batch of students from BFIT Group of Institution, Suddhowala, Dehradun visited the zoo with Prof. Dr. Narendra Singh to study ex-situ management of wildlife.



- 30.04.2017:- An event – “Science with fun”was conducted by Dr. Brij Mohan Sharma, secretary , SPECS, Dehradun to make people aware of the facts of science and to create interest among children about science.

- 07.05.2017:- An event – “Science with fun” from Trush, was conducted by Dr. Brij Mohan Sharma, secretary , SPECS, Dehradun to make people aware of the facts of science and to create interest among children about science. Children were taught how to make use of waste items and make instruments and toys of those waste itemsand the scientific facts working behind those instruments and toys.



- 09.05.2017:- FRO trainees, Kurseong(WB) visited the zoo to study wild life management with Mr. M.K. Joshi, Associated Prof. CASFOS, dehradun.
- 28.06.2017:- A group of Forest Guard trainees From Forest Training institute Chail, (H.P.) visited the zoo to study wild life.

- 05.07.2017:- A batch of DDR from H.P. visited the zoo to study wild life.

- 12.08.2017:- A batch of (40) DDR trainees with Conservator of Forest from FTI Haldwani visited the zoo to study wild life.



- 26.08.2017:- A batch of trainees From FTI Haldwani visited the zoo to study wild life.
- 07.10.2017:- A batch of 42 Officer Trainees of 2017-18 SFS Course from Central Academy for State Forest Services with Mr. P. Wahule, IFS, Lecturer, CASFOS, dehradun visited the zoo to study wildlife management in captivity.
- 19.11.2017:- Dr. Atul Gupta, Principal Scientist with 36 students of BSC Forestry from Dr. Y.S. Parmar University of Horticulture & Forestry, Solan, H.P. visited the Zoo to study the Flora and Fauna.
- 25.11.2017:- A group of 29 Forest Guards From Forest Training institute, Haldwani with SDO Haldwani visited the zoo to study wildlife.



- 02.12.2017:- A group of 33 Forest Guards From Rampur Mandi with their officers visited the zoo to study wildlife.
- 06.12.2017:- A group of 29 Forestry Students from Dolphin PG Institute with Prof. Sas Biswas, Dr.Sandhya and Dr. BPS Rawat visited the zoo for students research initiative on ex-situ conservation of wildlife.
- 15.12.2017:- A group of 13 Officer Trainees of XXXIII Certificate course in WildLife Management from WII, including 7 foreign nationals visited the zoo to study wildlife management in captivity.
- 20.12.2017:- A group of 45 Forest Guards with 3 Officers and 2 staff from FTI, Chail visited the Zoo to study wild life.
- 25.12.2017:- A group of 36 FRO Trainee with 2 Officers from Forest Training Academy, Kundal, Dist. Sangli, (MH), North India Study Tour.
- 24.01.2018:- A group of 14 Officer Trainees including 4 Foreign nationals of XXXIX P.G. Diploma Course in Advanced WildLife Management from WII, visited the zoo to study zoo management studies/Practices.
- 30.01.2018:- A Batch of 50 students from Bajaj Institute of Learning for the Deaf, visited the zoo, special guidance was provided to these students.
- 31.01.2018:- A Batch of 50 students from Bajaj Institute of Learning for the Deaf, visited the zoo, special guidance was provided to these students.
- 16.02.2018:- A batch of 30 students from Delhi University visited the zoo for Zoo management studies.
- 20.03.2018:- A group of Trainees visited the Zoo from FRI.

21. Important Events and happenings

- 05.06.2017:- World environment day celebration in coloboration with Times of India
- 20.06.2017:- The Second meeting of Dehradun Zoo Management Society in the presence of Mr. S.Ramaswmi, Chief Secretary, Forest, Uttarakhand Govt. / Chairman, Dehradun Zoo Management Society, was conducted.
- 17.06.2017:- A quiz competition on the occasion of “World Crocodile Day” was conducted in the zoo.
- 22.06.2017:- The chief minister of the state (Uttarakhand) Mr. Trivendra Singh Rawat inaugurated the 40 seater 3D Movie Hall and aquarium at Dehradun zoo.
- 16.07.2017:- Plantation work was carried out on the occasion of “Harela celebration” in the zoo premises.



- 26.07.2017:- National Moth Week was celebrated in the zoo. A night Camp was organised to find out the new species of moths in the area.
- 29.07.2017:- An art competition on the occasion of “Global Tiger Day” was conducted in the zoo.



- 01.10.2017 to 07.10.2017:-different programs were organised on the occasion of “Wild Life Week” (01 October to 07 October) 2017 was conducted in the zoo.



- 13.10.2017:- 1987 batch IFS Officers Meet was conducted in the zoo.
- 06.01.2018:- The third meeting of Dehradun Zoo Management Society in the presence of Mr. Ranbeer Singh, Additional Chief Secretary, Forest, Uttarakhand Govt., was conducted in the zoo.
- 13.01.2018:- Inspection/ evaluation of the zoo by a member secretary of CZA.
- 27.01.2018:- A meeting in the zoo premises in the presence of Mr. Jai Raj, PCCF Uttarakhand was conducted.



- 07.02.2018:- An art Competition on the occasion of Forest Fire Safety Week (Dt. 01.02.2018 to 07.02.2018) was conducted in the zoo.
- 03.03.2018:- An art Competition on the occasion of “World Wild Life Day” 03 March was conducted in the zoo.
- 19.02.2018:- Great backyard Bird counting was conducted in the zoo .



22. Research Work carried out and publications

As this a newly established Zoo as such there is no research programme has been carried out by Zoo.

23. Conservation Breeding Programme of the Zoo

As this a newly established Zoo as such there is no conservation breeding programme has been carried out by Zoo.

24. Animal acquisition / transfer / exchange during the year

In year 2017-18 there was no transfer for exchange of any animal species in the Zoo. However 05 animals, 02 vulture and 03 turtles rescued and kept in the Zoo.

25. 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/ Date of death and reason of death	Reasons for housing in the zoo,
1	2	3	4	5	6	7
1	25.06.2017	One Leopard cub(F)	Range Officer, Rishikesh Range	28.06.2017	Died on 15.10.2017 Fibrinous Pneumonia	
2	25.06.2017	One Leopard cub(F)	Range Officer, Rishikesh Range	28.06.2017	Died on 27.10.2017 Respiratory arrest to interstitial Pneumonia	
3	27.06.2017	One Leopard cub(M)	Range Officer, Kala Dungi Range, Ram Nagar Forest Division.	28.06.2017	Died on 30.11.2017 Fecal Impaction	
4	04.12.2017	One Leopard cub(M)	Range Officer, Chila Range, Rajaji Tiger Reserve.	05.12.2017	Died on 01.04.2018 Fibrinous Pneumonia	
5	10.01.2018	One Leopard(M)	Mussoorie Forest Division	10.01.2018	Died on 19.01.2018 Head trauma leading to cardiac arrest	
6	10.02.2018	One Eagle(U)	Mrs.Bhavna Verma , Kawli road, MDDA Colony Dehradun	16.02.2018	Kept in the raptor rescue centre	Injury in the wing due to electric wire
7	14.02.2018	One Eagle(U)	Neshvila road, Dehradun, Rescued on information from Dehradun Forest Division	16.02.2018	Kept in the raptor rescue centre	Injury in the wing due to electric wire
8	23.04.2017	One Vulture (U)	ISBT, Dehradun, Dehradun forest division	25.04.2017	Initially kept in rescue centre, tried to release, but due to human inprint kept in the zoo	Injury in the wing due to electric wire
9	18.9.2017	One Vulture(U)	Kargi chauk, Dehradun by private individual	20.09.2017	Initially kept in rescue centre, tried to release, but due to human inprint kept in the zoo	Injury in the wing due to electric wire Injury in the wing
10	06.12.2017	One, Turtle Indian Black(U)	Doiwala by Lachiwala range, Dehradun forest division	09.12.2017		For pairing the single individual
11	18.02.2018	Two, Turtle Indian Roofed(U)	Premnagar, by jhajra range, dehradun forest division	20.02.2018		For pairing the single individual

Exotic Species				OPENING STOCK As on 01-04-2017				BIRTHS			ACQUISITION S			DISPOSALS			DEATH			CLOSING STOCK As on 31.03.2018			
				M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
22	Bird	Budgeriger	Melopsittacus undulatus	25	35	55	115	0	0	7	0	0	0	0	0	0	0	0	0	50	50	22	122
23	Bird	Cockatiel	Nymphicus hollandicus	10	10	0	20	0	0	2	0	0	0	0	0	0	0	0	0	10	10	2	22
24	Bird	Conure Sun	Aratinga solstitialis	3	3	0	6	0	0	0	0	0	0	0	0	0	1	0	0	2	3	0	5
25	Bird	Emu	Dromaius novaehollandiae	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3	
26	Bird	Love Birds	Agapornis	20	20	0	40	0	0	0	0	0	0	0	0	6	4	0	14	16	0	30	
27	Bird	Macaw Blue & Yellow	Ara ararauna	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
28	Bird	Ostrich	Struthio camelus	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
29	Bird	Parakeet African Grey	Pittacus erithacus	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
30	Bird	Pheasant Lady Amherst	Chrysolophus amherstiae	1	1	0	2	1	1	0	0	0	0	0	0	0	0	0	2	2	0	4	
31	Bird	Pheasant Silver	Lophura nycthemera	1	1	0	2	0	0	2	0	0	0	0	0	0	0	0	1	1	2	4	
Total Exotic Species				64	75	55	194	1	1	11	0	0	0	0	0	0	7	4	0	83	87	26	196
Grand Total				112	147	76	335	3	4	17	0	0	5	0	0	0	9	5	0	132	161	57	350

27. 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	Golden Pheasant	Chrysolophus pictus	Male	01.04.2017	Traumatic shock
2	Love Birds	Agapornis	Male	09.01.2018	Pneumonia
3	Love Birds	Agapornis	Male	09.01.2018	Pneumonia
4	Love Birds	Agapornis	Male	09.01.2018	Pneumonia
5	Love Birds	Agapornis	Female	09.01.2018	Pneumonia
6	Love Birds	Agapornis	Male	23.01.2018	Pneumonia
7	Love Birds	Agapornis	Male	23.01.2018	Pneumonia
8	Love Birds	Agapornis	Female	02.02.2018	Pneumonia
9	Love Birds	Agapornis	Male	02.02.2018	Pneumonia
10	Love Birds	Agapornis	Female	02.02.2018	Pneumonia
11	Love Birds	Agapornis	Female	02.02.2018	Pneumonia
12	Sun Conure	Aratinga solstitialis	Male	18.01.2018	Pneumonia
13	Spotted Deer	Axis axis	Female	05.03.2018	
14	Spotted Deer	Axis axis	Male	21.03.2018	

28. Compliance with conditions stipulated by the Central Zoo Authority

Details on compliance of the conditions stipulated by the Central Zoo Authority (as per the earlier letter of grant of recognition issued to the zoo)

Letter No. 19-123/93-CZA(Vol.I)(267)(NS)/7592 dated: 14.8.2015, Letter No. 19-123/93-CZA(267)(M)/450 dated: 9.3.2012 and Letter No. 19-123/93-CZA(267)(M) dated: 23.09.2009

Sr. No.	Norm No.	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
1.General requirements						
1	1 (1)	The mini zoo is having in its collection birds, mammals and reptiles and is in the process of improving enclosures as per the layout plan. Zoo has to strengthen conservation education and create interpretation facility in order to convey credible conservation message.	Six months			The process of strengthening of the zoo is under process, few new animal and birds enclosures were already constructed and few old enclosures were renovated as per the specification of the CZA and new enclosures designs for animals like tiger, leopard, black bear. Sloth bear and hyena were approved by CZA recently. Which will be constructed as per the availability of financial resources. To impart awareness and education among the visitors proper sign boards were place and 3D theatre was established. In future there is a plan to have a modern interpretation centre for awareness and education.
2	10.1(1)	(i) No Endeavour seems to have done to establish physically, genetically and behaviorally healthy animals. Animal display neither meets the prescribed health norms nor does facility seem to convey credible conservation message. (ii) The zoo should follow its primary objective to operate the deer park for conservation of wildlife.	Within a year	9.3.2012		

3	10.1(3)	Visitors' movement is haphazard. Need to regulate by constructing appropriate directional signage.	Within three months	9.3.2012	Complied with	
4	10.1(3)	The circulation path for visitors as shown in the approved layout plan should be completed for movement of visitors.	Three months	14.8.2015	Complied with	
5	10.1(5)	Perimeter wall should be constructed towards human habitations and road side.	Three months	9.3.2012	The leopard proof fencing have been constructed.	
6	10.1(7)	The Deer Park should provide a proper waste disposal system for treating the both solid and liquid wastes generated in the Deer Park.	Six months	23.09.2009	Complied with	
7	10.1(8)	Zoo has been displaying injured animals. It should immediately be shifted to off display enclosure.	With immediate effect	9.3.2012	Complied with	
8	10.1(9)	The primary objective to operate the deer park shall be the conservation of wildlife. The rabbits housed in the Deer Park should be removed immediately	With immediate effect	23.09.2009	Complied with	
2.Administrative and staffing pattern						
9	10.2(1)	Full time officer in the rank of ACF should be posted with adequate administrative and financial power as at present the DFO, Dehradun is the Zoo Operator in addition to her territorial works. R.O. as manager has no administrative and financial power to manage the zoo.	Three months	9.3.2012	Full time range officer has been posted and post of director Dehradun zoo has been created.	
10	10.2(2)	No veterinarian seems to be permanently engaged by the zoo operator. The Zoo operator may execute MoU with State Animal Health Department for regular deputation of veterinarian to zoo.	Three months	9.3.2012	Presently the veterinarian from Rajaji national park is looking after the animals of the zoo along with the government veterinary hospital doctor. Proposal for a separate doctor has already been under consideration at the government level	

3.Development and Planning						
11	10.3(1)	The Zoo should prepare a long term Master Plan for its development in the format as circulated by the Central Zoo Authority and as per the approved/ agreed Concept Plan. The five copies of the said plan should be submitted to the Central Zoo Authority for its approval. Animal Collection Plan has not been prepared. The existing animals in the display seem to be collected by chance.	Within three months from the date of issue of this letter.	23.09.2009	The master plan is under preparation and will be submitted within 3 mont time	
12	10.3(6)	The Deer Park operator should prepare a collection plan of the animals following the approved/ agreed concept plan as communicated by this office letter No.19-123/93-CZA(267)(M) dated 12.3.2009.	Three months	23.09.2009	Along with the master plan it will be submitted.	
13	10.3(7)	The zoo lacks quarantine facility. Even the Rescue Centre in off display needs to be revamped.	With immediate effect	9.3.2012	Complied with	
14	10.3(7)	Zoo has accepted rescued animal for which it does not have appropriately designed enclosure and upkeep facilities as well as the facilities for keeping it in isolation during quarantine period. The Rescue centre and other facilities should be constructed as per approved layout plan and design.	Three months	14.8.2015	Complied, rescue centre for raptors (birds of prey) and leopard had been completed with the financial assistance from CZA. Isolation are will be demarcated in future after the implementation of expansion plan.	
4.Animal housing, display of animals and animal enclosures						
15	10.4(2)	The Spotted Deer enclosure at the Deer Park shall be so designed to meet the biological requirements of the animals housed therein. The enclosures shall be of such size as to ensure that the animals get space for their free movement and exercise.	With immediate effect	23.09.2009	Complied with	
16	10.4(2)	Height of the leopard enclosure should be increased covering the existing trees that would provide natural environment to the animals. More furniture size logs/ timber etc. needs to be placed for enrichment.	With immediate effect.	9.3.2012	The leopard enclouser is under construction at the new place as per the approved layout plan	
17	10.4(2)	Star tortoise housed in ad-hoc enclosure should be shifted to proper enclosure.	With immediate effect.	9.3.2012	Complied with	

18	10.4(2)	The enclosures at the zoo does not meet biological and behaviour requirement of animals and require drastic modification and improvement as approved in the layout plan.	Six months	14.8.2015	Complied with	
19	10.4(3)	Provision of footbath of adequate size with proper disinfectant at entry and exit points of animal house should be provided.	One month	14.8.2015	Complied with	
20	10.4(3)	The safety features both for visitors and animal keepers have to be upgraded as the night shelters for leopard is close to the visitors' path and there is no proper animal keeper's gallery.	Six months	14.8.2015	Complied with	
21	10.4(5)	The leopards are kept in small enclosures without much scope for vertical movement due to top chain link fence at a height of 3-1/2 meters and enrichment needs to be improved. The mixed species enclosure for all herbivores comprising of cheetal, sambar, barking deer and goral needs to be improved with separate enclosure for each animal as approved in the layout plan.	Immediate	14.8.2015	The mixed herbivores population has been separated species wise. However the condition of leopard enclosures has not been improved because these enclosures have to be shifted to new location as per the approved layout plan.	
22	10.4(6)	Special efforts to enrich the environment of the enclosures should be taken as the enclosure enrichment is lacking.	Three months	9.3.2012	Complied with	
23	10.4(7)	Screening between the enclosures is not adequate. Needs special attention.	Three months	9.3.2012	Complied with	
24	10.4(8)	Renovation of the existing enclosures or any new enclosures to be constructed should be carried out only with prior approval of the design by the Central Zoo Authority.	Three months	9.3.2012	Complied with	
25	10.4(9)	Proper stand-off barrier to prevent unregulated access to visitors should be constructed in all enclosures (except leopard) as per CZA specification. Additional signboards and warning boards are required.	With immediate effect.	9.3.2012	Complied with	
26	10.4(10)	The spotted deer enclosure in the park should bear a signboard in local language, Hindi and English displaying scientific and biological information regarding the exhibited animals.	Three months	23.09.2009	Complied with	

5.Upkeep and healthcare of animals						
27	10.5(1)	The spotted deer enclosure is too large and should be so designed to meet the managerial requirements of the animals housed therein.	With immediate effect.	9.3.2012	Complied with	
28	10.5(2)	The Deer Park should ensure round the clock supply of water for drinking purposes in each enclosure.	With immediate effect	23.09.2009	Complied with and new bore well and pump house was constructed	
29	10.5(3)	The store house for food is inadequate and storage conditions need improvement and meat house should be separately provided.	Two months	14.8.2015	Complied with and new kitchen and store was constructed	
30	10.5(3)	Timing of distribution of food and placement and way of distribution of food should be followed as per guidelines with scientific approach in meeting the feeding requirements of the animals.	With immediate effect	9.3.2012	Complied with	
31	10.5(6)	Number of field officer (front line) for cleaning food, water, upkeep etc. is too inadequate, should be increased, may be throughout sourcing basis.	Three months	9.3.2012	Complied with	
32	10.5(7)	Staff should carry proper observation on the animals showing dullness etc.	With immediate effect	9.3.2012	Complied with	
33	10.5(8)	Written schedule of vaccination and de-worming should be prepared and displayed at the enclosure.	Immediate	14.8.2015	Complied with	
34	10.5(9)	The Deer park operator should made arrangement for medical checkup of staff handling animals, for screening against zoonotic diseases every six months.	With immediate effect	23.09.2009	Complied with	
35	10.5(10)	The zoo should maintain records of the observation and social behaviour, health status, feed intake and treatment. Animal keeper's diary, daily reports and history cards and treatment cards should be maintained in the format as prescribed by CZA.	Immediate	14.8.2015	Complied with	
6.Veterinary and infrastructure facilities						
36	10.6(1)(a)	The veterinary health care facility almost non-existent in the zoo.	Three months	9.3.2012	New hospital has been constructed	
37	10.6(1)(b)	The zoo veterinary hospital should have basic diagnostic facilities and comprehensive range of drugs.	Immediate	14.8.2015	Complied with as per the requirement	
38	10.6(3)	The zoo should have a post-mortem room in the location as approved in the layout plan.	Six months	14.8.2015	Incorporated in the hospital	

39	10.6(3)	The zoo should have isolation and quarantine facilities located away from hospital .	Immediate	14.8.2015	Under construction	
9. Acquisition and breeding of animals						
40	10.9(1)	The park should keep only such number of spotted deer keeping in view of the carrying capacity of the existing animal enclosures.	Three months	23.09.2009	Complied with	
41	10.9(4)	The Black buck, turtle, Red Jungle fowl and Sambar have to be paired on priority basis and if unable to pair, the zoo should transfer the animals or give on breeding loan to any other zoo in accordance with the norms specified by CZA.	Three months	14.8.2015	Except black buck other animal were paired.	
42	10.9(8)	The Park shall maintain separate herd sheet for spotted deer.	With immediate effect	23.09.2009		
43	10.9(9)	The Deer Park should take up immediate safeguard against uncontrolled growth in the population of spotted deer by implementing appropriate population control measures.	With immediate effect	23.09.2009	Under consideration	
11. Education and outreach activities						
4 4	10.11(1)	Zoo should educate visitors about significance of wildlife conservation. Volunteers may be engaged for the purpose and to control visitors.		9.3.2012	Under consideration	
12. Visitors' facilities						
4 5	10.12(1)	Wheel chairs for the physically challenged persons should be made available in the park.	Three months	23.09.2009	The concerned facility for physically challenged persons is not available right now.	
4 6	10.12(1)	Toilet, drinking water point and rest sheds have to be provided in the park.	Three months	23.09.2009	Complied with	
4 7	10.12(2)	First-aid equipments including anti- venom should be made available in the park.	Three months	23.09.2009	Complied with	

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

a. Mammals

S.No.	SPECIES NAME	ANIMAL NAME	SCIENTIFIC NAME	Numbers
3		Deer Barking (Kakar)	Muntiacus muntjak	03
5		Deer Spotted (Chital)	Axis axis	46
Total				

b. Birds

During the great backyard bird counting celebration held in the Dehradun zoo premises on dated 19.02.2018, about 41 species of birds cited and identified by experts. The details of the counts are as follows.

1. Himalayan Griffon (Himalayan Vulture) (*Gyps himalayensis*)
2. Black Kite (*Milvus migrans*)
3. Red-wattled Lapwing (*Vanellus indicus*)
4. Rock Pigeon (Feral Pigeon) (*Columba livia* (Feral Pigeon))
5. Himalayan Swiftlet (*Aerodramus brevirostris*)
6. Alpine Swift (*Apus melba*)
7. Little Swift (Indian House Swift) (*Apus affinis*)
8. Indian Grey Hornbill (*Ocyroceros birostris*)
9. Oriental Pied-Hornbill (*Anthracoceros albirostris*)
10. Lineated Barbet (*Psilopogon lineatus*)
11. Brown-headed Barbet (Large Green Barbet) (*Psilopogon zeylanicus*)
12. Grey-capped Woodpecker (Grey-capped Pygmy Woodpecker) (*Dendrocopos canicapillus*)
13. Lesser Yellownape (*Picus chlorolophus*)
14. Grey-headed Woodpecker (*Picus canus*)
15. Long-tailed Minivet (*Pericrocotus ethologus*)
16. Large-billed Crow (*Corvus macrorhynchos*)
17. Dusky Crag-Martin (*Ptyonoprogne concolor*)
18. Red-rumped Swallow (*Cecropis daurica*)
19. Yellow-bellied Fantail (*Chelidorhynch hypoxantha*)
20. Grey-headed Canary-Flycatcher (*Culicicapa ceylonensis*)
21. Cinereous Tit (Great Tit) (*Parus cinereus*)
22. Chestnut-bellied Nuthatch (*Sitta cinnamoventris*)
23. Bar-tailed Treecreeper (*Certhia himalayana*)
24. Red-vented Bulbul (*Pycnonotus cafer*)
25. Himalayan Bulbul (White-cheeked Bulbul) (*Pycnonotus leucogenys*)
26. Himalayan Black Bulbul (*Hypsipetes leucocephalus*)
27. Pale-rumped Warbler (Lemon-rumped Warbler) (*Phylloscopus chloronotus*)
28. Hume's Warbler (*Phylloscopus humei*)
29. Grey-hooded Warbler (*Phylloscopus xanthoschistos*)
30. Whistler's Warbler (*Seicercus whistleri*)
31. Common Tailorbird (*Orthotomus sutorius*)

32. Grey-breasted Prinia (*Prinia hodgsonii*)
33. Oriental White-eye (*Zosterops palpebrosus*)
34. Rusty-cheeked Scimitar-Babbler (*Megapomatorhinus erythrogeus*)
35. Jungle Babbler (*Turdoides striata*)
36. Blue Whistling-Thrush (*Myophonus caeruleus*)
37. Rufous-gorgeted Flycatcher (*Ficedula strophliata*)
38. Red-breasted Flycatcher (*Ficedula parva*)
39. Grey Bushchat (*Saxicola ferreus*)
40. Common Myna (*Acridotheres tristis*)
41. Grey Wagtail (*Motacilla cinerea*)

a. Reptiles

S.No.	SPECIES NAME	ANIMAL NAME	SCIENTIFIC NAME	Numbers
1	Reptiles	Cobra	<i>Naja naja</i>	These species are commonly found in the zoo premises however, exact number uncertain
2		Rat snake	<i>Zamenis longissimus</i>	
3		Russel viper	<i>Daboia russelii</i>	
4		Monitor lizard	<i>Varanus spe</i>	
		Python	<i>Python bivittatus</i>	
		Common trinket		
		Himalayan trinket	<i>Orthriophis hodgsoni</i>	
Total				

(P.K. Patro)
Director
Dehradun Zoo