

<Patiala Zoo Patiala>

Annual Report for the year
2017-18

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1. **Report of the Officer-in-charge :-** Year 2017-18 presented many challenges and constraints regarding management of Patiala Zoo, but we managed to deal with this situation and saw many positive advancements during the financial year 2017-18. The recognition of Patiala Zoo as a small category zoo is renewed upto 22/03/2020 and the period after 31/01/2014 was also regularised by Central Zoo Authority. The Master Layout Plan of Zoo was also approved by Central Zoo Authority (Ministry of Environment, Forest & Climate Change, Govt. of India.)The process of construction of new pheasantry was initiated during the year 2017. The renovation of 4 sheds of deer species, construction of 8 water pounds, renovation of interpretation centre, repair of approach road to zoo etc are some important works which were under taken during this year. The revenue of the zoo and number of visitors was increased by 15% and 10% respectively from last year. I hope, in coming years the Patiala Zoo wood becomes a major tourist spot for the public and wildlife lovers.
2. **History of the Zoo :-** Patiala Zoo, Patiala popularly known previously as Moti Bagh Deer Park was established in 1968 within the Bir Moti Bagh Wild Life Sanctuary. It was initially given the status of a Deer Park. It has now been recognized as a Small Zoological Zoo by Central Zoo Authority, Ministry of Environment, Forest & Climate Change, Govt. of India. It was the first deer park of Punjab Forest & Wild Life Preservation Department.
3. **Vision:-** To lay emphasis for the conservation of wildlife.
4. **Mission:-** Secure a better world for wild animals through human understanding.
5. **Objective:-**
 - A) Introduce wildlife to the public.
 - B) Ensuring animal welfare.
 - C) Conservation of wild animals.
 - D) Research and Education relating to wildlife.
 - E) Recreation of public.

6. **About us**

S.No.	Particulars	Information
Basic Information about the Zoo		
1	Name of the Zoo	Patiala Zoo Patiala
2	Year of Establishment	1968
3	Address of the Zoo	Dakala Road, Patiala
4	State	Punjab
5	Telephone Number	0175-2970801

S.No.	Particulars	Information
6	Fax Number	Nil
7	E-mail address	dfowildlifepatiala@gmail.com
8	Website	http://pbforests.gov.in/
9	Distance from nearest	Airport: 50 K.M from Chandigarh
		Railway Station: 8 K.M from Patiala
		Bus Stand: 8 K.M from Patiala
10	Recognition Valid upto (Date)	22.03.2020
11	Category of zoo	Small Zoo
12	Area (in Hectares)	23 Hect.
13	Number of Visitors (Financial Year)	Adult :67266
		Children :13840
		Total Indian : 79017
		Total Foreigners : 2089
		Total Visitors: 81106
14	Visitors' Facilities Available in Zoo	<ul style="list-style-type: none"> a) Drinking water facility b) Reset area/sit outs/visitor shed at convenient location c) First aid facility d) Wheel chairs for physically handicapped person e) Signages f) Toilets g) Interpretation centre h) Canteen
15	Weekly Closure Day of the Zoo	Monday
Management Personnel of the zoo		
16	Name with designation of the Officer in-charge	Sh.Arun Kumar, PFS
	Name of the Veterinary Officer	Dr.Amit Khurana
	Name of the Curator	—
	Name of the Biologist	—
	Name of the Education Officer	—

S.No.	Particulars	Information
	Name of the Compounder/ Lab Assistant	Sh.Surinder Singh, Vet.Pharm.
Owner / Operator of the Zoo		
17	*Name of the Operator	Additional Chief Secretary, Punjab Forest & Wildlife Preservation Deptt. Punjab.
18	Address of the Operator	Room No.10, Floor 8, Punjab Civil Secretariat, Chandigarh.
19	Contact details/Phone number of Operator	2742771
20	E-mail address of Operator	acsfccoop@gmail.com

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

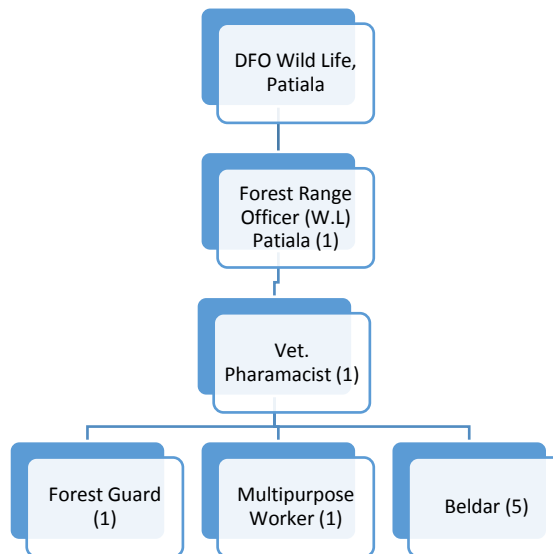
“Zoo Operator” means the person who has ultimate control over the affairs of the zoos provided that _____

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.

7. Organizational Chart



8. Human Resources

Manpower of the Zoo*

Sl.No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1	Divisional Forest Officer (W.L)	1	1
2	Forest Range Officer	1	1
3	Vet. Pharmacist.	1	1
4	Forest Guard	1	1
5	Multipurpose Worker	1	1
6	Beldar	5	5

*Please give abovementioned information in respect of all zoo personnel, from the Officer in-charge upto the Animal Keeper.

9. Capacity Building of zoo personnel

Sr.No.	Name and designation of the zoo personnel	Subject matter of Training	Period of Training	Name of the Institution where the Training attended
Nil				

- 10. Zoo Advisory Committee –** The Zoo advisory committee will be constituted soon after consultation with Chief Wildlife Warden, Punjab
- Date of constitution**
 - Members**
 - Dates on which Meetings held during the year**

- 11. Health Advisory Committee–** The Zoo advisory committee will be constituted soon after consultation with Chief Wildlife Warden, Punjab
- Date of constitution**
 - Members**
 - Dates on which Meetings held during the year**

12. Statement of income and expenditure of the Zoo

Income	Expenditure
14,83,720	85,88,000

13. Daily feed Schedule of animals

Sr. No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
1	Black Buck Hog Deer Barking Deer Spot Deer	Black Gram, Cattel Feed, Green Fooder & Gur.	Soaked Gram 150 gm for each animal and 100 gm Cattel feed for each animal in the morning, 15 K.g Green Fooder for each animal in evening. 100 gm Gur once a week for each animal.	Soaked Gram 150 gm for each animal and 100 gm Cattel feed for each animal in the morning, 15 K.g Green Fooder for each animal in evening. 100 gm Gur once a week for each animal.	Nil
2	Samber, Nilgai	Black Gram, Cattel Feed, Green Fooder & Gur Once a week.	Soaked Gram 200 gm for each animal and 150 gm. Cattel feed for each animal in the morning, 25 K.g Green Fooder for each animal in the evening & 100 gm. Gur once a week	Soaked Gram 200 gm for each animal and 150 gm. Cattel feed for each animal in the morning, 25 K.g Green Fooder for each animal in the evening & 100 gm. Gur once a week	Nil
3	Crocodile	Fish	2 K.g Fish daily	2 K.g Fish daily	Nil

4	Civet Cat	Meat, Banana	500 gm Meat and 1 Banana for each animal	500 gm Meat and 1 Banana for each animal	Tuesday
5	Porcupine	Ground nuts, Apple, Potato, Onion, Palak, Cucumbe, Green peas.	100 gm Ground nuts, 100 gm Apple, 100 gm Potato, 25 gm Onion, 200 gm Palak, 100 gm Cucumber, 50 gm Green Peas for each animal.	100 gm Ground nuts, 100 gm Apple, 100 gm Potato, 25 gm Onion, 200 gm Palak, 100 gm Cucumber, 50 gm Green Peas for each animal.	Nil
6	Monkey	Black gram, Ground nuts, Green peas, Papaya, Musami, Onion, Palak, Cucumbe, Garlic	50 gm Black gram, 50 gm Ground nuts, 50 gm Green peas, 20 gm Papaya, ½ Musami, 50 gm Onion, 50 gm Palak, 50 gm Cucumber, 10 gm Garlic	50 gm Black gram, 50 gm Ground nuts, 50 gm Green peas, 20 gm Papaya, ½ Musami, 50 gm Onion, 50 gm Palak, 50 gm Cucumber, 10 gm Garlic	Nil
7	Bird	Parakeet	Ground nuts 20 gm, Zeeri 10 gm Apple 10 gm, Green Chilly 10 gm, Cucumber 10 gm, Green Peas 10 gm for each Bird	Ground nuts 20 gm, Zeeri 10 gm Apple 10 gm, Green Chilly 10 gm, Cucumber 10 gm, Green Peas 10 gm for each Bird	Nil
8	Bird	Grey Partridge,	Mixed crushed 100 gm, Palak 10 gm, Cucumber 10 gm for each bird	Mixed crushed 100 gm, Palak 10 gm, Cucumber 10 gm	Nil
9	Bird	Emu,	Mixed crushed 300 gm, Onion 100 gm, Papaya 1 Kg, Palak 200 gm, Cucumber 50 gm, Garlic 40 gm and Banana 2 No. for each bird	Mixed crushed 300 gm, Onion 100 gm, Papaya 1 Kg, Palak 200 gm, Cucumber 50 gm, Garlic 40 gm and Banana 2 No. for each bird	Nil
10	Bird	Peacock	Sabat Dana 100 gm, Papy 50 gm, Cucumber 10 gm, Garlic 50 gm for each bird	Sabat Dana 100 gm, Papy 50 gm, Cucumber 10 gm, Garlic 50 gm for each bird	Nil

11	Bird	Budgerige	Kangni 10 gm, Bajra 10 gm, Papaya 2 gm, Palak 5 gm, Cucumber 2 gm for each bird	Kangni 10 gm, Bajra 10 gm, Papaya 2 gm, Palak 5 gm, Cucumber 2 gm for each bird	Nil
12	Bird	Fincher	Kangni 10 gm, Bajra 10 gm, Papaya 2 gm, Palak 5 gm, Cucumber 2 gm for each bird	Kangni 10 gm, Bajra 10 gm, Papaya 2 gm, Palak 5 gm, Cucumber 2 gm for each bird	Nil
13	Bird	Munia	Kangni 10 gm, Bajra 10 gm, Papaya 2 gm, Palak 5 gm, Cucumber 2 gm for each bird	Kangni 10 gm, Bajra 10 gm, Papaya 2 gm, Palak 5 gm, Cucumber 2 gm for each bird	Nil
14	Bird	Love Bird	Kangni 10 gm, Bajra 10 gm, Papaya 20 gm, Palak 5 gm, Cucumber 2 gm for each bird	Kangni 10 gm, Bajra 10 gm, Papaya 20 gm, Palak 5 gm, Cucumber 2 gm for each bird	Nil
15	Bird	Silver Dove	Kangni 10 gm, Bajra 10 gm for each bird	Kangni 10 gm, Bajra 10 gm for each bird	Nil
16	Bird	Cockteal	Kangni 10 gm, Bajra 10 gm, Papaya 10 gm, Palak 5 gm for each bird	Kangni 10 gm, Bajra 10 gm, Papaya 10 gm, Palak 5 gm for each bird	Nil

14. Vaccination Schedule of animals

Sr.No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
			Nil		As Zoo does not have any big Carnivore

15. De-worming Schedule of animals

Sr.No.	Species	Drug used	Month
1	Black Buck, Hog Deer Barking Deer Spot Deer, Samber, Nilgai, Civet Cat, Porcupine and Monkey	Panacur 3 gm and 150mg Panacur tablets	03/2017 11/2017

16. Disinfection Schedule

Sr. No	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Black Buck, Hog Deer, Barking Deer Spot Deer, Samber, Nilgai, Civet Cat, Porcupine and Monkey	Animal enclosure and Bird Cages	Physical Removal of Organic Matter, Pressure Cleaning with Plain Water, Cleaning of Watering Bowls, Removal of Excreta from open Enclosure, Cleaning of Foot Dips and their Mats and Disinfectant used in Foot-Dip (Alternately) A) 1% KMNO4 Washing with Plain water Hot water Cleaning	Daily Protocol Weekly Protocol Fortnightly Protocol

17. Health Check-up of employees for zoonotic diseases

Sr.No.	Name	Designation	Date of Health Check up	Findings of Health Check up
1	Sukhwinder Singh	Beldar	02/11/2017	Fit
2	Jaipal Singh	Beldar	06/10/2017	Fit
3	Bhajna	Beldar	02/10/2017	Fit
4	Ravinder Kumar	Beldar	01/09/2017	Fit

18. Development Works carried out in the zoo during the year :-

1. Construction of Pheasantry.
2. Maintenance of Interpretation Center.
3. Repair of animal sheds (4).
4. Repair of Approach road.
5. Construction of water pounds (8) in animal enclosure.

19. Education and Awareness programmes during the year :-

1. Educating the School Children and public about importance of Wild life during Celebration of Wild life week 2 October to 10 October/2017.
2. Educating and increasing the awareness about Wild life during Celebration of World Wild life Day on 03/03/2018
3. Educating the public against plastic pollution during Celebration of Environment Day on 05/06/2018

20. Important Events and happenings :-

1. Exhibition on Wildlife was arranged during Celebration of Wild life week from 2 October to 10 October/2017.
2. Painting completion was held during Celebration of Wild life week World Environmental Day and World Wild life Day.
3. Quiz completions were held during Celebration of Wild life week.

21. Seasonal special arrangements for upkeep of animals :- A) Seasonal fruits/fodder were provided for feeding the different birds and herbivores. B) A water sprinkling/showers were provided in various enclosures during summer season. C) Agronets/Jute mats were provided in different enclosure for providing shades during summer season. D) Mud wallows are provided in samber in enclosure. E) The planting of trees, shrubs species was done inside the birds and deer enclosures. F) Hay and dry grasses are provided in the sheds as enrichment during the winter. G) Visibility of animals are improved by painting fencing with black colour.

22. Research Work carried out and publications :- Nil

23. Conservation Breeding Programme of the Zoo :- Nil

24. 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
		Barking Deer	1 (M)	Chatbir Zoo	01/05/2017
B.	Animals going from the zoo				
	H.NO.	Species	Number (M:F)	Going to which Zoo	Date of deposition from the zoo
		Hog Deer	1 (F)	Bir Talab, Batinda	20/11/2017

25. 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: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
Nil						

26. Annual Inventory of animals

Form – II

[See Rule 11(1)]

Part – A

Inventory Report for the Year : 2017-2018

Inventory of Wild Animals/Birds between 01/04/2017 to 31/03/2018

Patiala Zoo, Patiala Wild Life Division

Endangered Species

Sr. No.	Animal Name	Scientific Name	Opening Stockas on 01/04/2017				Births			Acquisitions			Disposals			Deaths			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	
Mammal																							
1	Black Buck	Antilope cervicapra	42	48	6	96	0	0	1	0	0	0	0	0	0	1	1	0	41	47	7	95	
1	White Buck		1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
Reptile/ Amphibians																							
1	Crocodile	Crocodylus	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
Total Reptile/ Amphibians			44	48	6	98	0	0	1	0	0	0	0	0	0	2	1	0	42	47	7	96	

Schedule-1 Animals

Inventory of Wild Animals/Birds between 01/04/2017 to 31/03/2018
Patiala Zoo, Patiala Wild Life Division

Other than Endangered Species

Sr. No.	Animal Name	Scientific Name	Opening Stockas on 01/04/2017				Births			Acquisitions			Disposals			Deaths			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
1	Hog Deer	Axis porcinus	5	6	13	24	0	0	2	0	0	0	0	0	0	0	1	0	5	5	15	25
2	Barking Deer	Muntaicus muntjak	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	2
3	Civet Cat	Viverridae	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
4	Porcupine	Hystricidae	1	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3
5	Assamese Macaque	Macaca assamensis	3	2	0	5	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	5
6	Sambar	Cervus unicolor	3	4	7	14	0	0	1	0	0	0	0	0	0	0	0	0	3	4	8	15
7	Spotted Deer	Axis axix	10	17	38	65	0	0	2	0	0	0	0	0	0	0	0	0	10	17	40	67
8	Nilgai	Boselaphus tragocamelus	1	5	3	9	0	0	0	0	0	0	0	0	0	0	1	0	1	4	3	8
9	Rhesus Macaque	Macaca mulatta	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3
	Total		26	37	62	125	0	0	5	1	0	0	0	0	0	0	2	0	27	35	67	129

Inventory of Wild Animals/Birds between 01/04/2017 to 31/03/2018

Patiala Zoo, Patiala Wild Life Division

Sr. No.	Animal/Bird Name	Scientific Name	Opening Stockas on 01/04/2017				Births			Acquisition s			Disposals			Deaths			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
	Bird																					
1	Peafowl	Pavo cristatus	1	1	3	5	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	5
	Total Birds		1	1	3	5	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	5

Schedule-I Birds

Inventory of Wild Animals/Birds between 01/04/2017 to 31/03/2018
Patiala Zoo, Patiala Wild Life Division

Other than Endangered Species

Sr. No.	Bird Name	Scientific Name	Opening Stockas on 01/04/2017				Births			Acquisitions			Disposals			Deaths			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
1	Emu	Dromains Navachollundiae	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
2	Red headed parakeet	Psittacidae	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
3	Alexander parakeet	Psihacula Eupatria	3	4	9	16	0	0	0	0	0	0	0	0	0	0	0	0	3	4	9	16
4	Rose Ringed parakeet	Psittacidae	7	7	0	14	0	0	0	0	0	0	0	0	0	0	0	0	7	7	0	14
5	Grey headed parakeet	Psittacidae	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
6	Budgriger		23	25	37	85	0	0	0	0	0	0	0	0	0	0	0	0	23	25	37	85
7	Cockteal	Nymphicus hollandicus (Kerr)	3	4	7	14	0	0	0	0	0	0	0	0	0	0	0	0	3	4	7	14
8	Munia	Estrildinae	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
9	Finches	Fringillidae	6	6	0	12	0	0	0	0	0	0	0	0	0	0	0	0	6	6	0	12
10	Love Bird	Agapornis cana (Gmelin)	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3
11	Grey Partridge	Francolinus Pondicerianus	1	1	10	12	0	0	0	0	0	0	0	0	0	0	0	0	1	1	10	12
	Total		47	53	63	163	0	0	0	0	0	0	0	0	0	0	0	0	47	53	63	163

27. Mortality of animals

Sr.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	Black Buck	Antilope cervicapra	M	27/10/2017	Penumonia
2	Black Buck	Antilope cervicapra	F	16/11/2017	Phenomits
3	White Buck		M	27/01/2017	Penumotis
4	Blue Bull	Boselaphus tragocamelus	F	09/08/2017	Heart Fallier

28. 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	Status with regard to compliance of the conditions
1. General requirements					
1	10.1 (7)	The Zoo shall initiate efforts towards proper arrangements for managing liquid waste and storm water as per approved Master (Layout) Plan and complete it.	One Year	04/2018	The solid feed waste is removed manually and dumped in pits towards boundary wall away from display area. The underground sewage is constructed in pucca floor houses displaying birds, porcupine and civet cat. Fully fledged drainage system will be proposed in Master Plan of the zoo and will be constructed accordingly in future.
2. Administrative and staffing Pattern					
2	10.2 (1)	The Officer-in-Charge of the Zoo should be delegated adequate financial and administrative powers for taking immediate decisions concerning health and welfare of the captive wild animals.	Immediately	04/2018	The Officer in charge of the Zoo has the power for taking immediate decisions concerning health and welfare of the captive wild animals.
3	10.2 (2)	The Zoo shall deploy Veterinary Officer, Biologists/ Education Officer at zoo, because the Zoo is housing endangered species of animals.	One year or as early as possible	04/2018	The Veterinary Officer of Animal Husbandry Department is attached with Zoo. For appointing other Officers the matter will be taken with Chief Wildlife Warden, Punjab

3. Development and Planning					
4	10.3 (1)	The zoo should prepare Master Plan for its long term development and got it approved by the Central Zoo Authority.	Immediately	04/2018	The Master Layout Plan has been approved. The Process of preparing Master Plan is under Process.
4. Animal housing, display of animals and animal enclosures					
5	10.4 (1,2 & 5)	The zoo should demolish the old enclosures housing birds and civet cat etc. Which are quite small in size with lesser height and not as per the Central Zoo Authority specifications. The zoo should construct new enclosure as per the approved Master (Layout) Plan following prescribed minimum size dimensions of the Central Zoo Authority for each species. The animal enclosure in the Deer Park shall be designed to ensure the safety of animals, caretakers and visitors.	One year or phase wise	04/2018	The bird enclosures are being constructed as per approved Master Layout Plan. The construction of enclosure for other animals will be taken in the coming years as per Master Plan.
6	10.4 (7)	The appropriate screening should be provided in each adjacent enclosure while re-developing enclosures as per approved Master (Layout) Plan. At present the enclosures are separated only by chain-link fence in-between.	One Year	04/2018	Screening between the adjacent enclosures is being done by putting agro net along with the chain-link fencing. Screening between adjacent enclosures by planting shrubs/trees will be taken up soon.

7	10.4 (10)	The Signage's need improvement and should display biology, behaviour and scientific information of the species housed in the enclosure. It may be bilingual.	Three Month	04/2018	Signage's will be modified as advised during 2018-19
5. Upkeep and healthcare of animals					
8	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 to the animals.	Three month	04/2018	Present enclosures of ungulates are spacious for free movement and to meet biological requirement. The new bird's enclosures are being constructed as per approved Layout Plan.
9	10.5 (8)	A schedule should be prepared by the Veterinary Officer of the Zoo for periodic health monitoring of animals and the same should be strictly followed. The schedule of vaccination and de-worming of different species of the zoo animals should be displayed at the enclosure.	Immediately	04/2018	Veterinary Officer Monitor the health of animals regularly. Deworming schedule has been prepared, displayed and is being followed.
10	10.5 (9)	All the staff handling animals shall be screened against zoonotic diseases at least once in a year and records should be maintained thereof.	Immediately	04/2018	Health check up of Zoo staff is being done Annually.

11	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.	Immediately	04/2018	The record has been maintained and kept upto date
6. Veterinary and Infrastructure Facilities					
12	10.6 (1)	The zoo should construct fully fledged veterinary unit including treatment room, operation theatre and in-patient wards as per the approved Master (Layout) Plan with all basic diagnostic facilities, pharmacy, diagnostic and comprehensive range of drugs. Isolation ward and quarantine facilities located away from the hospital should also be developed.	One Year	04/2018	The full fledged veterinary unit will be constructed in future as per approved Master Plan.
13	10.6 (5)	A veterinary support staff should be deployed in the zoo by the Zoo Operator.	At the earliest	04/2018	A Veterinary Pharmacist has been deployed in the Zoo.
7. Post-mortem and disposal of carcasses of animals					
14	10.7	The zoo should construct a post-mortem room on the location as approved in the Master (Layout) Plan.	Six month	04/2018	The Post-mortem room will be constructed during current financial year 2018-19

8. Acquisition and breeding of animals					
15	10.9 (4)	The civet cat & Crocodile housed without pairs should be provided mate, else these animals should be shifted to nearby recognised zoo having appropriate housing facility.	Three Months	04/2018	The pairing will be done by bringing mates from other zoo during this current financial year 2018-19
16	10.9 (9)	The zoo should strictly follow the population control measures for all prolific breeding species i.e deer and antelope and bring down the population to a minimum as prescribed by the Central Zoo Authority.	Immediately	04/2018	The population control measures such as separating the sexes are being followed in case of deer and antelope species.
17	10.9 (10)	The zoo should practice mock drills as per the disaster management plan for managing any such incidence in future.	Immediately	04/2018	Mock drills are practised as advised.
9. Research Activities					
18	10.10 (1)	The zoo should initiate research activities by involving nearby university or related institution.	One Year	04/2018	Research activities will be initiated shortly.
10. Education and Outreach Activities					
19	10.11 (1)	The zoo should carryout various educational activities for the awareness of the public.	Immediately	04/2018	The education activities are being done during celebration of wildlife week and on other important days such as world environment day, world wildlife day etc.

11. Visitor Facilities					
20	10.12 (2)	The snake anti-venom and lifesaving drugs should be procured and maintained by the zoo for safety of its employees and visitors.	Immediately	04/2018	Snake anti-venom and lifesaving drugs are being kept in the zoo.
21	10.12 (3)	The provision of ramps should be made available for the physically challenged persons for viewing wild animals in all enclosures and at all civic facilities.	One year	04/2018	Ramps had been constructed at appropriate places.

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

- a. Mammals: - Monkeys, Porcupine, Hare and Mongoose etc.
- b. Birds:- Peacock, Parakeets, Shikra and Owls etc.
- c. Reptiles:- Monitor Lizard, Rat Snake and Cobra etc.

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 Divisional Forest Officer
 Wildlife Division,
 Patiala