

Government of Punjab
Department of Forest and Wildlife Preservation,
O/o Divisional Forest Officer, Wildlife Division,
Opposite District Administrative Complex, Patiala.
0175-2970801 email:dfowildlifepatiala@gmail.com

To,

Member Secretary,
Central Zoo Authority, Govt. of India,
Ministry of Environment, Forest & Climate Change,
B-1 Wing, 6 Floor, Pt. Deendayal Antyodaya Bhawan,
CGO Complex, Lodhi Road, New Delhi-110003

No. 2469.....

Date. 02/11/2020

Sub:- Submission of Annual report by the zoos to the Central Zoo Authority for the financial year 2019-20-regarding.


Annual Report for the year 2019-20 of Patiala Zoo Patiala is being submitted by email in PDF format to you for necessary action.

Encl:- As above.


Divisional Forest Officer
Wildlife Division,
Patiala

Endst No. _____ Date _____

A copy is forwarded to Conservator of Forest (Wildlife), Parks and Protected Area Circle, Punjab, SAS Nagar for information and necessary action.


Divisional Forest Officer
Wildlife Division,
Patiala.

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Protected Area Circle, Punjab, SAS Nagar for information and necessary
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Divisional Forest Officer
Wildlife Division,
Patiala.

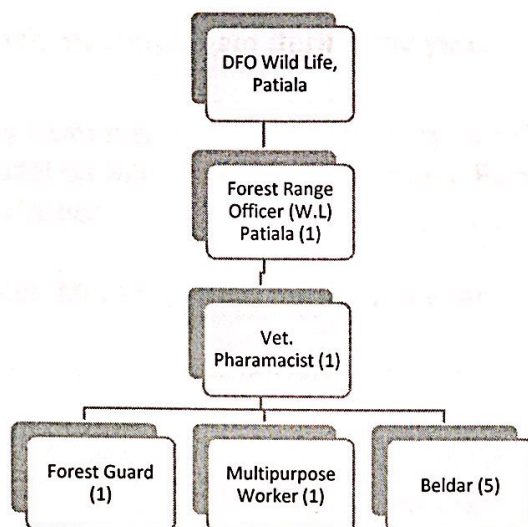
1. **Report of the Officer-in-charge :-** Year 2019-20 presented many challenges and constraints regarding management of Patiala Zoo, but we managed to deal with this situation and saw many positive advancements during the financial year 2019-20. The recognition of Patiala Zoo as a small category zoo is renewed upto 19/08/2022 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 water birds enclosure and public toilets was initiated during the year 2019-2020. 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
6	Fax Number	Nil
7	E-mail address	dfowildlifepatiala@gmail.com
8	Website	http://pbforests.gov.in/

S.No.	Particulars	Information
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)	19.08.2022
11	Category of zoo	Small Zoo
12	Area (in Hectares)	23 Hect.
13	Number of Visitors (Financial Year)	Adult :61011
		Children :13900
		Total Indian :74911
		Total Foreigners : 196
		Total Visitors: 75107
14	Visitors' Facilities Available in Zoo	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	S.Khushwinder Singh, PFS
	Name of the Veterinary Officer	Dr.Amit Khurana & Dr.M.P.Singh
	Name of the Curator	—
	Name of the Biologist	—
	Name of the Education Officer	—
	Name of the Compounder/ Lab Assistant	Sh.Surinder Singh, Vet.Pharm.
Owner / Operator of the Zoo		

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

a. Date of constitution

b. Members

c. 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

a. Date of constitution

b. Members

c. Dates on which Meetings held during the year

12. Statement of income and expenditure of the Zoo

Income	Expenditure
1362580	17598000

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, Papya 50 gm, Cucumber 10 gm, Garlic 50 gm for each bird	Sabat Dana 100 gm, Papya 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, Sambar, Nilgai, Civet Cat, Porcupine and Monkey	Panacur 3 gm and 150mg Panacur tablets	03/2019 11/2019

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, Sambar, 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% KMNO ₄ 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	02/11/2018	Fit
2	Jaipal Singh	Beldar	06/10/2018	Fit
3	Bhajna	Beldar	02/10/2018	Fit
4	Ravinder Kumar	Beldar	01/09/2018	Fit

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

1. Construction of Water Birds.
2. Construction of Public Toilets.
3. Construction of Visitor Benches.
4. Creation of Lawns.

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 02 October to 08 October/2019.
2. Educating and increasing the awareness about Wild life during Celebration of World Wild life Day on 03/03/2020
3. Educating the public against plastic pollution during Celebration of Environment Day on 05/06/2019

20. Important Events and happenings :-

1. Exhibition on Wildlife was arranged during Celebration of Wild life week from 2 October to 08 October/2019.
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
	NIL
B.	Animals going from the zoo
	NIL

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 : 2019-2020

Inventory of Wild Animals/Birds between 01/04/2019 to 31/03/2020

Patiala Zoo, Patiala Wild Life Division

Endangered Species

Sr. No.	Animal Name	Scientific Name	Opening Stockas on 01/04/2019				Births			Acquisitions by gift			Acquisitions by transfer			Disposals by death			Disposal by transfer			Closing Stock as on 31/03/2020						
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T			
Mammal																												
1	Black Buck	Antilope cervicapra	40	46	7	93	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	39	45	7	91
1	White Buck		0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	
Reptile/ Amphibians																												
1	Crocodile	Crocodylus	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Reptile/ Amphibians			41	46	8	95	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	40	45	9	94

Schedule-1 Animals

Inventory of Wild Animals/Birds between 01/04/2019 to 31/03/2020

Patiala Zoo, Patiala Wild Life Division

Other than Endangered Species

Sr. No.	Animal Name	Scientific Name	Opening Stock as on 01/04/2019				Births			Acquisitions by gift			Acquisitions by transfer			Disposals by death			Disposal by transfer			Closing Stock as on 31/03/2020			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
1	Hog Deer	Axis porcinus	5	5	17	27	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	9	11	7	27
2	Barking Deer	Muntiacus muntjak	1	1	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3
3	Civet Cat	Viverridae	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
4	Porcupine	Hystriidae	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
5	Assamese Macaque	Macaca assamensis	3	2	0	5	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	2	0	4
6	Sambar	Cervus unicolor	3	4	8	15	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	4	5	6	15
7	Spotted Deer	Axis axis	10	17	43	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	29	21	70
8	Nilgai	Boselaphus tragocamelus	1	4	3	8	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	4	2	9
9	Rhesus Macaque	Macaca mulatta	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3
	Total		27	35	71	133	0	0	4	0	0	0	0	0	0	2	1	0	0	0	0	43	54	37	134

Inventory of Wild Animals/Birds between 01/04/2019 to 31/03/2020
Patala Zoo, Patala Wild Life Division

Sr. No.	Animal/Bird Name	Scientific Name	Opening Stock as on 01/04/2019			Births			Acquisitions by gift			Acquisitions by transfer			Disposals by death			Disposal by transfer			Closing Stock as on 31/03/2020			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T		
1	Peafowl	Pavo cristatus	1	1	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	5
	Total Birds		1	1	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	5

Schedule-I Birds

Inventory of Wild Animals/Birds between 01/04/2019 to 31/03/2020
Patala Zoo, Patala Wild Life Division

Other than Endangered Species																									
Sr. No.	Bird Name	Scientific Name	Opening Stockas on 01/04/2019				Births			Acquisitions by gift			Acquisitions by transfer			Disposals by death			Disposal by transfer			Closing Stock as on 31/03/2020			
			M	F	U	T	M	F	U	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	0	0	0	1	1	0	2
2	Red headed parakeet	Psittacidae	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
3	Alexander parakeet	Psittacula Eupatria	3	4	9	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	4	16

Sr. No.	Bird Name	Scientific Name	Opening Stock as on 01/04/2019				Births			Acquisitions by gift			Acquisitions by transfer			Disposals by death			Disposal by transfer			Closing Stock as on 31/03/2020			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
4	Rose Ringed parakeet	Psittacidae	7	7	0	14	0	0	0	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	0	0	0	1	0	1
6	Budgeriger		23	24	39	86	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	29	27	28	84
7	Cockteal	Nymphicus hollandicus (Kerr)	3	4	7	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	7	2	14
8	Munia	Estrildinae	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
9	Finches	Fringillidae	4	4	0	8	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	2	2	0	4
10	Love Bird	Agapornis cana (Gmelin)	1	2	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	6
11	Grey Partridge	Francoelinus Pondicerianus	1	1	9	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	3	11
12	Silver Pheasant		0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	2
13	Seabird Pheasant		0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	2
14	Dwarf Fowl		0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	2
	Total		45	48	64	157	0	0	3	1	1	0	2	2	0	3	4	0	0	0	0	60	59	40	159

Note:- Sex identified in livestock of animals and Birds.

27. 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 Buck	F	21/06/2019	Congestion heart failier
2	Finches	M	26/07/2019	Gestro entrits
3	Finches	M	27/07/2019	Gestro entrits
4	Sambar	F	29/09/2019	Gestro entrits
5	Munia	M	08/11/2019	Death Due to G.P
6	Hog Deer	M	29/12/2019	Penumonia
7	Black Buck	M	30/12/2019	Penumonia
8	Budgrigar	M	31/12/2019	Death Due to cold
9	Budgrigar	F	31/12/2019	Death Due to cold
10	Assamy Monkey	M	31/12/2019	Death Due to Penumonia
11	Finches	F	28/03/2020	Penumonia
12	Finches	F	28/03/2020	Gestro entrits

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	Remarks
File No. 7-10/2020-CZA (Part-I), Annexure to this Office Memorandum date 25 th August, 2020 on renewal of recognition of zoos under Section 38-H of the Wild Life (Protection) Act. 1972 are renewed upto 19/08/2022.					
Status with regard to compliance of the conditions as submitted by the Officer-in-charge of the Zoo					

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

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

Divisional Forest Officer
Wildlife Division,
Patiala.

21/8