

Annual Report

2019-20

Report of the activities of MINI ZOO CUM DEER SAFARI BIR
TALAB BATHINDA from APRIL 2019 TO MARCH 2020

1)Report of the Officer-in-charge

As above.

2)History of the Zoo

Mini Zoo Bir Talab Bathinda was established in 1978 within Bir Talab Block Forest. Total Area of Bir Talab Forest is 161 Acre. Started in a modest way by Red Cross Society, Bathinda but later on it was adopted by Punjab Forest & Wildlife Preservation Department in the year 1982. Situated about 6 KM away from Bathinda town on Bathinda Multania Road and spread over approximately 10.40 hect. Area. The Mini Zoo is situated in the Block Protected Forest.

3)Vision

So many animals and Birds (Detailed in Sr no 26) in Mini Zoo Bir Talab. Main vegetation of the area includes elements of dry deciduous forests dominated by Mulberry (*Morus alba*), Neem (*Azadirachta indica*), Arjun (*Terminalia arjuna*), Shisham (*Dalbergia sissoo*) and other species. Neem (*Azadirachta indica*), Burma Drek (*Melia composita*) plantation has also been taken up. There are some research plots of casurina, Eucalyptus, teak, Maleyna, Khair etc. species. In all there are more than Fifty two different species of trees standing in the Bir Talab block forest. The fauna found free ranging within the Block Forest are Blackbuck (*Antelope cervicapra*), bluebull (*Boselaphus tragocamelus*), snakes, rhesus macaques, Longeared Hedgehog (Jhaha), Mongoose etc.

4)Mission

To educate the people regarding wildlife, their habitat, food habits and status etc.

5) Objective

Ex-situ maintenance and conservation of endangered species in captivity. To enhance knowledge of animal behavior by conducting research and study on management of wildlife in captivity and to educate the people regarding wildlife, their habitat, food habits and status etc.

6) About us

Sr.No	Particulars	Information
Basic information about the Zoo		
1	Name of the Zoo	Mini Zoo Cum Deer Safari, BirTalabBathinda.
2	Year of Establishment	1978
3	Address of the Zoo	Multania road BirTalab, Bathinda.
4	State	Punjab
5	Telephone Number	0164-2271555
6	Fax Number	0164-2271555
7	E-mail address	dfobathinda@gmail.com
8	Website	-
9	Distance from nearest	Airport: 30 Km
		Railway Station: 5 Km
		Bus Stand: 7 Km
10	Recognition Valid upto (Date)	2020
11	Category of zoo	Mini Zoo
12	Area (in hac)	59 hac
13	Number of Visitors (Financial Year)	Adult: 74639
		Children: 36274
		Total Indian:74639
		Total Foreigners:0
		Total Visitors: 110913
14	Visitors facilities Available in Zoo	Drinking Units, Public Tollet, Canteen, Parking.
15	Weekly closure Day of the Zoo	Monday
Management Personnel of the zoo		
16	Name with designation of the Officer-in-charge	Sh Pawan Shridhar, Forest Range Officer.
	Name of the Veterinary Officer.	Dr. Sambhav Jain
	Name of the Curator	Sh Pawan Shridhar, Forest Range Officer.

	Name of the Biologist	Nil
	Name of the Education Officer.	Nil
	Name of the Compounder/Lab Assistant	Nil
Owner/ Operator of the Zoo		
17	Name of the Operator	Sh Pawan Shridhar, Forest Range Officer.
18	Address of the Operator	Mini Zoo–cum-Deer Safari ,Multania road, BirTalab, Bathinda.
19	Contact details/ Phone number of Operator	98149-26646
20	E-mail address of Operator	dfobathinda@gmail.com

7) **Organization Chart**



8) **Human Resources**

Manpower of the Zoo

Sr. No	Designation	Number of Sanctioned Posts	Name of the incumbent
1	Veterinary doctor	0	1 (visting)
2	Veterinary Pharma	0	2
3	Forest Ranger	0	1
4	Wild Life Inspector/ Dy. Ranger	0	0
5	Forester	0	2

6	Wild Life Guard	0	4
7	Forest Guard	0	4
8	Sen. Asst	0	1
9	JuniourAsstt	0	2
10	Store Keeper	0	1
11	Ticket Clerk	0	1
12	Computer Opr.	0	1
13	Tractor Driver/ Jeep Driver	0	3
14	Zoo Keeper	0	4
15	Gate Keeper	0	2
16	Chowkidar	1	4
17	Sweeper	0	2
18	Class IV peon	0	4
19	Mali	0	4
20	Labour	0	As per requirement

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 :-

- a) Date of constitution
- b) Members
- c) Dates on which Meeting held during the year

11) Health Advisory Committee :-

- a) Date of constitution
- b) Members
- c) Dates on which Meeting held during the year

**12) Statement of income and expenditure of the Zoo
Financial Performance**

Revenue Mini Zoo during the financial year 2019-20 provide grant in Aid Rs. 158 lakhs. For annual maintenance & operation of Revenue Mini Zoo during the financial year 2019-20 the Society through the Zoo generated revenue worth Rs 24.63 lakhs. Major revenue earning were though entry fee, conrtacts and donations.

Expenditure

Total amount spent by mini zoo birtalab during 2019-20 for operating Zoo was 180 Lakh, major expenditure being on establishment and maintenance of animals and their enclosures.

13) Daily Feed Schedule of animals

Sr.No	Feed item	Quantity
1	Cattle Feed	38.75kg (per day)
2	Satnaja	12kg (per day)
3	Groundnut	1.030kg (per day)
4	Kangani	1.990kg (per day)
5	Paddy	230gm (per day)
6	R.B.G	400gm (per day)
7	Gur	60kg
8	Black Salt	60kg
9	Green fodder	23.35 Qtl
10	Fruit Apple Banana Mauseumi Papita	12.06kg 296Pc 4pc 4.4KG
11	Vegetables Onion Gralic Cucmuber Cabbage Patato Green chilli Green peas	1.66 kg 1.04kg 2.06kg 6.25kg 800gm 230gm 7.130kg
12	Buffelow meat	12KG

13	Bread	800gm
14	Baajra	700gm

14) Vaccination Schedule of animals

Sr.No	Species	Disease vaccination for	Name of the Vaccine and dosage/quantity used	Periodicity	Remarks
1	Leopard	Rabies	Nobivac Rabies/ One dose	Annualy	As per directed by physician

15) De-worming Schedule of animals

Sr.No	Species	Drug used	Month
1	Black Buck	1g panacur/deer	5-2019
2	Sambar	10g panacur/deer	5-2019

16) Disinfection Schedule

- a) Heat through steam to leopards.
- b) Sunlight in open enclosures.
- c) Washing with Phynile, soaps and detergents (synthetic).
- d) Pottassium permagnate for Leopards and Chlorine.
- e) Use of Dettol to wash pond containers/Utensils of Birds and animals to wash off germs.

17) Health check-up of employees for zoonotic diseases

Sr.No	Name	Designation	Date of Health Check up	Findings of Health Check up
1	Shinderpal Singh	Daily wages Labourer	–	–
2	Shinder Singh	Daily wages Labourer	–	–

3	Raj Singh	Daily wages Labourer	–	–
4	Gurdeep Singh	Daily wages Labourer	–	–
5	Sandeep Singh	Daily wages Labourer	–	–

18) Development works carried out in the zoo during the year

a) Leopard Enclosure

The malwa's first Leopard Enclosure has been established in Mini Zoo BIR TALAB this year. The second opened leopard Enclosure of Indian has been constructed under CZA guidelines. It is fully set up with technical squeeze cell, keeper room, keeper gallery, animals cells and crawl area. It's inaugurated by Divisional Forest Officer Bathinda Harbhajan Singh on 10 Oct 2017. Leopards are the only carnivores habitat kept in mini zoo BirTalab which has become a major cause of attraction visitor towards zoo.

b) Battery Operated Vehicle

The Punjab Govt. Provides battery operated vehicle for prevention measures of noise and air pollution used for staff service for up keeping animal in Mini Zoo BIR TALAB.

19) Education and awareness programmes during the year

The prime objective of Mini Zoo of Mini Zoo is educating the visitors about wildlife conservation. Organization various education activities throughout the year with Support of local NGO's and sponsors. It encourages the youth to conserve and use it sustainably, especially the students of school and colleges. More than 8000 students were made aware of biodiversity and wildlife conservation through the above programs. More than 300 tree saplings were also planted during this period inside the Zoo campus. Major awareness activities undertaken during the year were:

- A. **World Environment Day 2019** : On occasion of World Environment Day on 5th June 2019, the MINI ZOO Park has embarked on a mission to enforce a ban on the entry of plastic bottles and polythene bags into the Zoo and has put in place stringent anti-litter measures within Zoo premises. In celebration on world environment there are more than 400 plants of different species has been planted in Mini Zoo BIR TALAB to create Biodiversity.

B. **Wildlife Week Celebrations 2019** : Like every year, the Mini Zoo cum deer safari BIR TALAB was celebration from 3rd to 7th October, 2019 by organizing an array of events including best Eco club Award, Inter School Essay Competition, Inter School Debate Competition. The celebration was formally inaugurated by the chief guest forest range officer SH PAWAN SHRIDHAR to create Biodiversity.

20) Important Events and happenings



21) Seasonal arrangements for upkeep of animals :

- a) Ecological enrichment for Captive animals like caves and bamboo platforms in display areas of leopards enclosure, Re-do of breeding hut of Indian peacock, and plantation of trees inside enclosure for biodiversity measures.
- b) List of wanted surplus animals and animals Collection plan of the Zoo has been prepared and finalized.
- c) All the birds and animals vaccinated against feline Pan Leucopenia, Calcivirus, Herpes Virus and Rabies infection using Biofel PCHR vaccine under annual vaccination Schedule. The cloven footed animals were vaccination against FMD every nine months.
- d) Captive animals and birds were de-wormed of Endo and Ecto parasites.

- e) In summer season all the birds and animal were aervediced with artificial raito maintain temperature level.

22) Research Work carried out and publications

Though structured research activity is not done at present by the zoo staff, researchers from various scientific institutions/Universities do take interest in conducting research on captive animals.

23) Conservation Breeding Programme of the Zoo

The Mini Zoo largely has deer species in its collection. There is thus a need to focus on conservation breeding of some of the endangered deer species like Hog deer and barking deer etc.

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	
1	Leapord	3:0=3	MCZP Chhatbir		
2	Hog Deer	0:1=1	BirMotiBagh,Patiala		
B. Animals going form Zoo					
H.No	Species	Number (M.F)	Going to which Zoo	Date of deposition 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

27) Annual inventory of animals

		During the Year																		
Sr.No.	Name of Animal/Bird	Opening Stock on 01/04/19			Births			Acquisition			Disposals			Deaths			Closing Stock on 31/03/20			
	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						
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	
		Schedule I																		
MAMMAL		identification mark, if any																		
1	Black Buck (Antilope cervicapra)	45	38	83	1	4	5	2	3	5	0	0	0	3	3	6	45	42	87	
2	Leopard (Panthera pardus)	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	
1	Black Buck				Antilope cervicapra			Male			27-01-2020									
BIRD																				
1	Peafowl Indian (Pavo cristatus)	6	3	9	0	0	0	0	0	"	0	0	31-01-2020	0	0	6	3	9		
										"			12-03-2020							
2	Hogdeer				Axis parcinus			Male			25-04-2019									

																				habitat
Nil																				

26) Mortality of animals

Schedule II																			
MAMMAL																			
1	Rhesus Macque (Macaca-malatta)	6	5	11	0	0	0	0	0	0	0	0	0	0	0	0	6	5	11
Schedule III																			
MAMMAL																			
1	Spotted Deer (Axis axis)	19	20	39	0	1	1	0	0	0	0	0	0	0	0	0	19	21	40
2	Hog Deer (Axis parcinus)	2	0	2	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
3	Sambar (Cervusunicolar)	13	11	24	0	0	0	0	0	0	0	0	0	0	0	0	13	11	24
4	Porcupine (Hystrixsp)	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3
BIRD																			
1	Dove (Calumbidae)	3	3	6	0	0	0	0	0	0	0	0	0	0	0	0	3	3	6
2	Partridge Black (Francalinusasiae)	2	3	5	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5
4	Partridge Brown (Francalinus (Francalinus))	0	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
5	Red Munia (Estrilelaamanclav)	9	9	18	0	0	0	0	0	0	0	0	0	0	0	0	9	9	18
6	Parakeet (Psittacidae)	14	9	23	0	0	0	0	0	0	0	0	0	0	0	0	14	9	23
7	White Sparrow	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
8	Fincha	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4
Schedule IV																			
BIRD																			
1	Budgeriger (Kmelopsittacusundulatus)	72	63	135	0	0	0	0	0	0	0	0	0	0	0	0	72	63	135
2	Emu	9	4	13	0	0	0	0	0	0	0	0	0	0	0	0	9	4	13

28) Compliance with conditions stipulated by the Central Zoo Authority

<u>Sr.No</u>	<u>Norm No. Under RZR 2009</u>	<u>Condition Stipulated</u>	<u>Time Period to Comply</u>	<u>Since when pending</u>	<u>Status with regard to compliance of the conditions</u>
1. General requirement					
1.	1(7)	Liquid waste management needs improvement by constructing well covered draining			Done

		system as per approved Master plan.			
2. <u>Administerative and staffing pattern</u>					
2	2(1)	The zoo should have whole time in-charge with adequate administrative and financial powers.			
3	2(2)	Veterinar officer & scientific and technical staff may be employeed on need basis to fulfill objective of the zoo			
3. <u>Animal hosuing, display of animals and animal enclosures</u>					
4	4(6)	Species specific enrichment should be provided in enclosures for primates & birs aviary.			Done
5		Hedge should be planted at each Standoff battier.			Done
6	4(3)	A footbath of appropriate dimansions to suit a Safarivehicle needs to be constructed at the entrance & exit of the safaris.			Done
7	4(7)	Efforts should be made to develop adequate screening in-between Deer and Tiger safaris,			
8	4(10)	Displaying locations of signage may be reviewed			Done

		&improved			
9	5(2)	The food and water samples should be got tested regularly and records should be maintained.			Done
10	5(8)	Zoo animals should be screened for parasitic load and vaccinated as per written schedule and the schedule be kept enclosure			Done
11	5(9)	Medical check-up/screening of) the staff handling animals should be done twice a year & record should be maintained.			Done
12	5(10)	Should prepare and use Keeper's Diary, Daily Report Herd sheet and Treatment Card in format prescribed by the CZA.			Done
<u>9. Acquisition and breeding of animals</u>					
13	9(4)	The male hog deer should either be paired or be shifted to another zoo housing			
14	9(9)	Should adopt population control measure to control the population of prolifically breeding animals such as Sambar and Spotted deer.			Done
<u>11. Education and outreach activities</u>					

15	11(1)	Should conduct education program for school children & public to spread message of biodiversity conservation.			Done
<u>12. Visitors facilities</u>					
16	12(1)	One more drinking water point & urinal should be constructed for usage of visitors.			Done
17	12(2)	Provision of wheel chair be made to facilitate 'Divyangjan' among visitors			Done

6) List of free living wild animals within the zoo premises

- a) Mammals – Porcupine, mongoose .
- b) Birds – Parakeet, Fruit bats, Hawk, Eagle.
- c) Reptiles – non poisonous snakes, monitor lizard .