

# Annual Report

## 2020-21

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Report of the activities of MINI ZOO CUM DEER SAFARI BIR TALAB

BATHINDA from APRIL 2020 TO MARCH 2021



### 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
<b>Basic information about the Zoo</b>		
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)	2022
11	Category of zoo	Mini Zoo
12	Area (in hac)	59 hac
13	Number of Visitors (Financial Year)	Adult: 21200 Children: 5385 Total Indian: 26580 Total Foreigners 5 Total Visitors: 26585
14	Visitors facilities Available in Zoo	Drinking Units, Public Tollet, Canteen, Parking.
15	Weekly closure Day of the Zoo	Monday
<b>Management Personnel of the zoo</b>		
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
<b>Owner/ Operator of the Zoo</b>		
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	98149-26446
20	E-mail address of Operator	dfobathinda@gmail.com

## 7) Organization Chart

7) Organization Chart

D.F.O Bathinda

Forest Range Officer Mini  
Zoo Bir Talab

Forest  
Guard

Forest  
Guard

Forest  
Guard

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	1	0
5	Forester	0	2
6	Wild Life Guard	1	4
7	Forest Guard	1	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 2020-21 provide grant in Aid Rs. 111 lakhs. For annual maintenance & operation of Revenue Mini Zoo during the financial year 2020-21 the Society through the Zoo generated revenue worth Rs 10.46 lakhs. Major revenue earning were though entry fee, conrtacts and donations.

Expenditure

Total amount spent by mini zoo birtalab during 2020-21 for operating Zoo was 111 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	54.150kg (per day)
2	Satnaja	7.8kg (per day)
3	Groundnut	1.280kg (per day)
4	Kangani	3.435kg (per day)
5	Paddy	430 gm (per day)
6	R.B.G	550 gm (per day)
7	Gur	26.025 kg (Twice a week)
8	Black Salt	26.025kg (Twice a week)
9	Green fodder	36.8 Qtl

10	Fruit Apple Banana Mausoumi Papita	11.858kg 282Pc 6pc 3.5KG
11	Vegetables Onion Grallc Cucmuber Cabbage Patato Green chllll Green peas	1.595 kg 1.230 kg 1.858 kg 6.155kg 850gm 430gm 7.080 kg
12	Buffelow meat	12KG
13	Bread	850 gm
14	Baajra	1.145 kg
15	Black gram	29.800 kg

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	7-2020
2	Sambar	10g panacur/deer	7-2020
3	Spotted Deer	1g panacur/deer	7-2020

#### 16) Disinfection Schedule

- a) Heat through steam to leopards.
- b) Sunlight in open enclosures.
- c) Washing with Phynille, 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 deseases

Sr.No	Name	Designation	Date of Health Check up	Findings of Health Check up
1	Roop Singh	Daily wages Labourer	-	-
2	Sadhu 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) Leapord Enclosure

The malwa's first Leapord Enclosure has been established in Mini Zoo BIR TALAB this year. The second opened leapord 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. Leapords are the only carnivores habitat kept in mini zoo BirTalab which has become a majar cause of attraction vistorstowarda 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 wareness 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 8700 students were made aware of biodiversity and wlldlife conservation through the above programs. More than 350 tree saplings were also planted during this period Inside the Zoo campus. Major awareness activities undertaken during the year were:

- A World Environment Day 2020 : On occasion of World Environment Day on 5<sup>th</sup> June 2020, 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 450 plants of different species has been planted in Mini Zoo BIR TALAB to create Biodiversity.
- B. Wildlife Week Celebrations 2020 : Like every year, the Mini Zoo cum deer safari BIR TALAB was celebration from 2<sup>nd</sup> to 8<sup>th</sup> October, 2020 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 aerviced 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
	nil	nil		
	nil	nil		
B. Animals going form Zoo				
H.No	Species	Number (M.F)	Going to which Zoo	Date of deposition from the Zoo
Nil				

26 **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						

### 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	Male	4/20	
2	Spotted Deer	Axis Axis	Male	4/20	
3	Black Buck	Antilope cervicapra	Female	5/20	
4	Samber	Cervus unicolor	Female	5/20	
5	Samber	Cervus unicolor	Male	8/20	
6	Spotted Deer	Axis Axis	Male	9/20	
7	Red Munia	Estrilela amanclava	Female	11/20	
8	White sparrow	Zonotrichia leucophrys	Female	12/20	

Sr No.	Name of Animal/Bird	During the Year																	
		Opening Stock on 01/04/20			Births			Acquisition			Disposals			Deaths			Closing Stock on 31/03/21		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
<b>Schedule I</b>																			
<b>MAMMAL</b>																			
1	Black Buck (Antilope cervicapra)	45	42	87	12	14	26	0	0	0	0	0	0	1	1	2	56	55	111
2	leopard (Panther pardus)	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
<b>BIRD</b>																			
1	Peafowl Indian (Pavocristatus)	6	3	9	0	3	3	0	0	0	0	0	0	0	0	0	6	6	12
<b>Schedule II</b>																			
<b>MAMMAL</b>																			
1	Rhesus Macque (Macaca-malatta)	6	5	11	0	0	0	0	0	0	0	0	0	0	0	0	6	5	11
<b>Schedule III</b>																			
<b>MAMMAL</b>																			
1	Spotted Deer (Axis axis)	19	21	40	17	10	27	0	0	0	0	0	0	2	0	2	34	31	65
2	Hog Deer (Axis parcinus)	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
3	Sambar (Cervusunicolar)	13	11	24	13	6	19	0	0	0	0	0	0	1	1	2	25	16	41
4	Porcupine (Hystrixsp)	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3
<b>BIRD</b>																			
1	Dove (Columbidae)	3	3	6	0	0	0	0	0	0	0	0	0	2	0	2	1	3	4
2	Partridge Black (Francalinusasiae)	2	3	5	0	0	0	0	0	0	0	0	0	2	0	2	0	3	3
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	2	1	3	0	0	0	0	0	0	0	1	1	11	9	20
6	Parakeet (Psittacidae)	14	9	23	12	8	20	0	0	0	0	0	0	0	0	0	26	17	43
7	White Sparrow	0	3	3	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2
8	Fincha	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4
<b>Schedule IV</b>																			
<b>BIRD</b>																			
1	Budgeriger (Melopsittacusundulatus)	72	63	135	36	32	68	0	0	0	0	0	0	0	0	0	108	95	203
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

Sr. No.	Norm No. Under RZR 2009	Condition Stipulated	Time Period to Comply	Since when pending	Status with regard to compliance of the conditions
<b>General requirement</b>					
1.	1(7)	Liquid waste management needs improvement by constructing well covered draining system as per approved Master			Done
<b>Administrative and staffing pattern</b>					
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 employed on need basis to fulfill objective of the zoo			
<b>Animal hosuing, display of animals and animal enclosures</b>					
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 & improved			Done
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 parasiticload			Done

		screened for parasiticload and vaccinated as per written schedule and the schedule be kept enclosure			
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, Dally Report Herd sheet and Treatment Card in format prescribed by the CZA.			Done
<b>9. Acquisition and breeding of animals</b>					
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
<b>11. Education and outreach activities</b>					
15	11(1)	Should conduct education program for school children & public to spread message of biodiversity conservation.			Done
<b>12. Visitors facilities</b>					
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

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 .

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C/s

Divisional Forest Officer  
Bathinda Forest Division  
Bathinda

Forest Range Officer  
Mini Zoo, Bir Talab