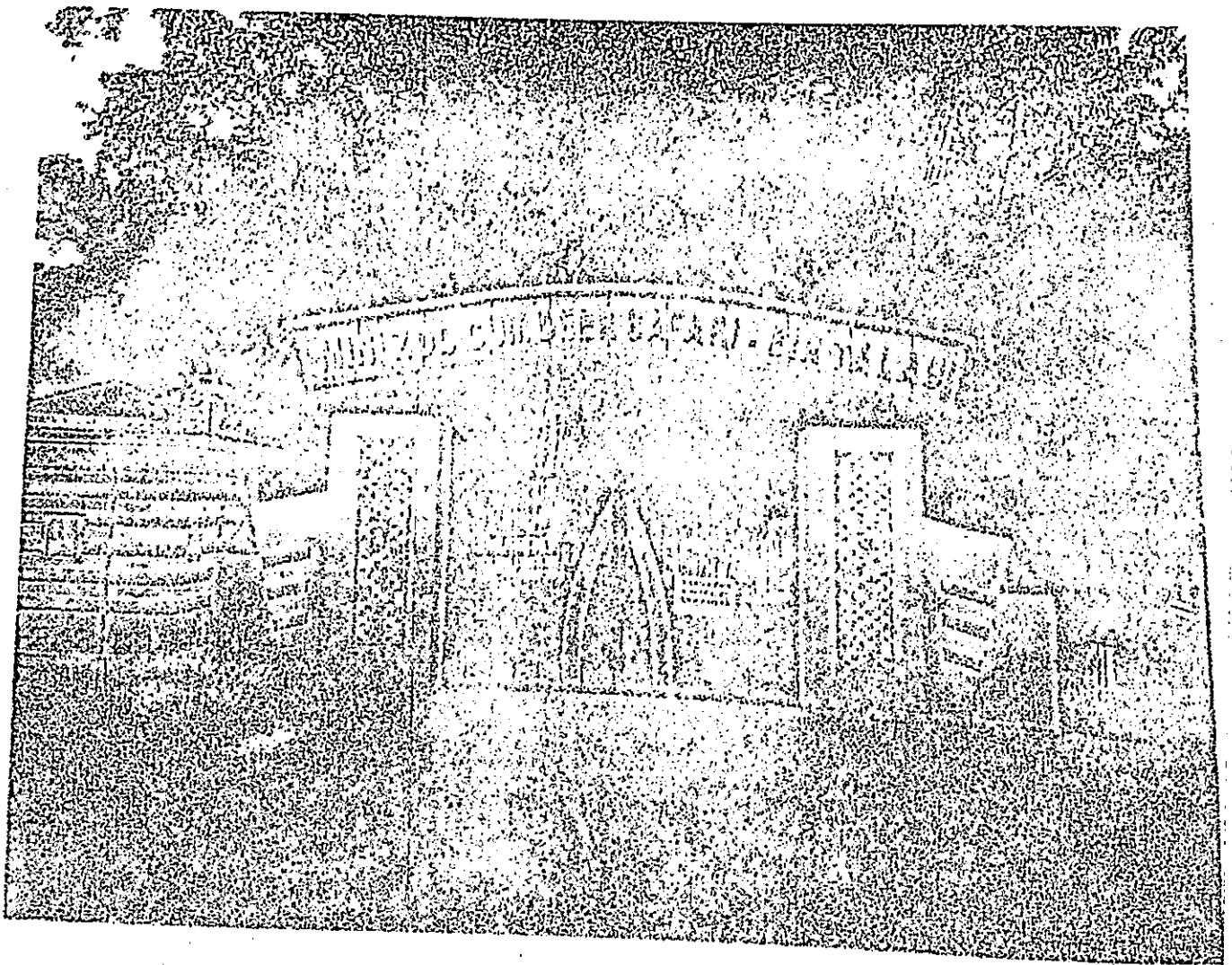


Annual Report

2021-22

Report of the activities of MINI ZOO CUM DEER SAFARI BIR

TALAB BATHINDA from APRIL 2021 TO MARCH 2022



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 Multanla 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)	2022
11	Category of zoo	Mini Zoo
12	Area (In hac)	59 hac
13	Number of Visitors (Financial Year)	Adult: 43308 Children: 14380 Total Indian: 57686 Total Foreigners: 2 Total Visitors: 57688
14	Visitors facilities Available in Zoo	Drinking Units, Public Toilet, 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	98149-26446
20	E-mail address of Operator	dfobathinda@gmail.com

7) Organization Chart

D.F.O Bathinda

Forest Range Officer Mini Zoo Bir
Talab

Forester

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	1	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 2021-22 provide grant in Aid Rs. 219 lakhs. For annual maintenance & operation of Revenue Mini Zoo during the financial year 2021-22 the Society through the Zoo generated revenue worth Rs 20 lakhs. Major revenue earning were though entry fee, conrtacts and donations.

Expenditure

Total amount spent by mini zoo birtalab during 2021-22 for operating Zoo was 219 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	7.5kg (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 Mauseumi Papita	11.858kg 282Pc 6pc 3.5KG
11	Vegetables Onlon Grallc Cucmuber Cabbage Patato Green chilli 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	1.140 kg
15	Black gram	29.800 kg
16	Palak	5.405kg

14) Vaccination Schedule of animals

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

15) De-worming Schedule of animals

Sr.No	Species	Drug used	Month
1	Black Buck	1g panacur/deer	7-2021
2	Sambar	10g panacur/deer	7-2021
3	Spotted Deer	1g panacur/deer	7-2021

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 Chlorino.
- e) Use of Dettol to wash pond containers/Utensils of Birds and animals to wash off germs.

17) Health check-up of employaes for zoonotic desenses

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	Ram Kumar	Daily wages Labourer	-	-
4	Gurdeep Singh	Daily wages Labourer	-	-
5	Rajinder Singh	Daily wages Labourer	-	-

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

a) Staff Quarters

New two staff quarters were constructed during the financial year 2021-22 with the cost of 32.88 lacs. The construction work was initiated in the month of December 2021, was completed in March 2021. These quarters are situated outside the zoo campus. The accomendation and availability at the park of these quarters is Importanted and crucial.

b) New canteen

A new canteen was constructed during the financial year 2021-22 with the cost of 17.57 lacs this canteen is situated outside the zoo campus and near main gate and parking place. This new canteen has been built for the facillty of visitors.

c) Interperatation centre developments works

In the financial year 2021-22 there are many works which have been done for the development of interperatation centre with the cost of 20 lacs such as flying life size model of Gaushawk, a tiger life size model, butterfly selfie point, tigre 3D model, human evaluation frame, hieght comparison, pugmark comparison, wingspan comparlson etc.

d) New bird enclosure

A new bird enclosure of pheasant was constructed at Mini Zoo with the cost of 17.27 lacs in the financial year 2021-22 near partidge enclosure and Budgrigarh enclosure.

e) Construction of Toilet block

A new toilet block was constructed during the financial year 2021-22 with the cost of 8 lac this toilet block is situated outside the zoo campus and near canteen.

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 10000 students were made aware of biodiversity and wildlife conservation through the above programs. More than 500 tree saplings were also planted during this period inside the Zoo campus. Major awareness activities undertaken during the year were:

- A. World Environment Day 2021 : On occasion of World Environment Day on 5th June 2021, 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 2021 : Like every year, the Mini Zoo cum deer safari BIR TALAB was celebration from 2rd to 8th October, 2021 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 leopard 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, Calicivirus, Herpes Virus and Rabies infection using Biofel PCHR vaccine under annual vaccination Schedule. The cloven footed animals were vaccinated 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 serviced with artificial rain to 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 from 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 habitat
Nil						

26) 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	Antilopecevicapra	Male	05/2021	
2	Hog Deer	Axis Parcinus	Male	06/2021	
3	Black Buck	Antilopecevicapra	Female	08/2021	
4	Samber	Cervus unicolor	Female	12/2021	

27) Annual Animal Inventory report

		During the Year																	
Sr. No.	Name of Animal/Bird	Opening Stock on 01/04/21			Births			Acquisition			Disposals			Deaths			Closing Stock on 31/03/22		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Schedule I																			
MAMMAL																			
1	Black Buck (Antilope cervicapra)	56	55	111	5	2	7	0	0	0	0	0	0	1	3	4	60	54	114
2	Leopard (Panther pardus)	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
BIRD																			
1	Peafowl Indian (Pavocristatus)	6	6	12	0	0	0	0	0	0	0	0	0	0	0	0	6	6	12
Schedule II																			
MAMMAL																			
1	Rhesus Macaque (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)	34	31	65	0	0	0	0	0	0	0	0	0	0	0	0	34	31	65
2	Hog Deer (Axis parcinus)	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
3	Sambar (Cervusunicolar)	25	16	41	13	6	19	0	0	0	0	0	0	0	1	1	25	15	40
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)	1	3	4	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4
2	Partridge Black (Francalinusasiae)	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	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)	11	9	20	0	0	0	0	0	0	0	0	0	0	0	0	11	9	20
6	Parakeet (Psittacidae)	26	17	43	0	0	0	0	0	0	0	0	0	0	0	0	26	17	43
7	White Sparrow	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
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 (Melpopsittacusundulatus)	108	95	203	0	0	0	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

 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
General requirement					
1.	1(7)	Liquid waste management needs improvement by constructing well covered draining system as per approved Master			Done
Administrative and staffing pattern					
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			
Animal hosuing, display of animals and animal enclosures					
4	4(6)	Species specific enrichment should be provided in enclosures for primates & birds aviary.			Done
5		Hedge should be planted at each Standoff battier.			Done
6	4(3)	A footbath of appropriate dimansions to suit a Safarivehicl 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			Done

		screened for parasitic load 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, Daily Report Herd sheet and Treatment Card in format prescribed by the CZA.			Done
9. Acquisition and breeding of animals					
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 proficably breeding animals such as Sambar and Spotted deer.			Done
11. Education and outreach activities					
15	11(1)	Should conduct education program for school children & public to spread message of biodiversity conservation.			Done
12. Visitors facilities					
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 .

C/s

Divisional Forest Officer
Bathinda Forest Division
Bathinda

Forest Range Officer
Mini Zoo, Bir, Talab