M.C. Zoological Park, Chhatbir, Punjab.

Annual Report for the year 2022-2023

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About M.C. Zoological Park, Chhatbir

M.C. Zoological Park, popularly known as Chhatbir Zoo is an important destination in North India for Nature lovers, Tourists, Conservationists and Wildlife enthusiasts. Fulfilling the category of large zoo, the zoo continuously adds new species in its animal collection plan and new facilities for visitors every year.

The ultimate aim of administration is to make the institution Eco friendly, Animals friendly and Visitors friendly. Because of the continuous hard work of dedicated employees and support from Government, Chhatbir zoo is getting popularity day by day, which is acknowledged by the upward growing visitation year by year.

In 2017-18, apart from animal exchange programmes, a world class Walk-in-Aviary has been dedicated to the public, a new feather added in the cap of Chhatbir zoo. Providing plastic free environment, hazzle free ticketing system and congestion free parking facility to the public were other achievements, accomplished by the Zoo administration in this year.

With the continuous support and motivation, the Zoo administration will strive hard to make M.C. Zoological Park attain a remarkable position in the International map of Zoological parks. This Annual report is a testimony to the meticulous steps taken towards that goal by our dedicated team.

Smt. Kalpana K. I.F.S.,
Field Director,
M.C. Zoological Park,
Chhatbir Zoo.

2. **History of the Zoo:** The first proposal to establish a Zoological Park at Chhatbir was mooted in the year 1973. The State Government then decided to constitute committees at various levels so as to secure the co-operation, assistance, expert advice and provide co-ordination which were vital for the establishment of such an important project. A state level advisory council headed by Shri M. M. Chaudhary, the then Hon'ble Governor of Punjab was formed on 7th January, 1974 to evolve policies, broad strategies and decide about the overall plan of this Zoological Park.

A second important committee of experts under the chairmanship of Sh.G.P.S Sahi was constituted by the Government in November 1974 which included specialists and experts in zoo management, wildlife and forestry. This committee was entrusted with the responsibility of providing expert opinion on the technical aspect of animal management, zoo establishment and planning.

For co-operation between various departments associated with the establishment of Zoological Park, an implementation committee was also constituted in January 1974 under the Chairmanship of Development Commissioner, Punjab. This committee was meant to review the progress of works, discuss problems and bottle-necks encountered in the execution of this project, co-ordinate activities for speedy implementation of decisions and to approach the government for solving various problems and difficulties.

Apart from the above committees, another committee as shown in Annexure-4 was also constituted to provide expert opinion on specific subjects such as landscaping and other technical matters.

After the initial planning and finalization of zoo site, the first and foremost necessity felt was that of preparing a Conceptual Plan for a planned and systematic development of the zoo and to rule out the common shortfalls that were encountered while establishing other zoos in India. Consequently, a technical Committee consisting of the following members was set up for the preparation of Conceptual Plan:

1. Shri C.M. Sethi, I.F.S. Chief Conservator of Forests, Punjab, Chandigarh.
2. Shri N.S. Lamba, Chief Town Planner, Punjab, Chandigarh.
3. Shri Jeet Malhotra, Senior Architect O/o Chief Architect, Punjab.
4. Shri N.D. Bachkheti, Administrator, Lucknow and Kanpur Zoos, Lucknow.
5. Shri Pushap Kumar, Director, Nehru Zoological Garden, Hyderabad.
6. Shri S.K. Kapur, O.S.D.

These members assisted by Shri D.K. Behal, Architect, conceived the final plan on 29th September 1975. This plan was then finally approved by the Apex Committee presided over by His Excellency the Governor of Punjab on 27thNovember 1975. It was felt that this plan will work as a guide for the execution of all details in future or of any expansion in a particular pocket which may be planned at some later date. This

conceptual plan was to enable the zoo experts and the architects at that time to detail out any particular pocket with some margin of flexibility according to the prevailing conditions and the configuration of the ground, yet fitting into the overall Master Layout Plan that was part of that conceptual plan.

3. **Vision of the Zoo**: The zoo has a generalized vision of creation of wildlife and nature related awareness to its visitors.

4. **Mission of the Zoo**: The mission of the zoo has been to educate and motivate the visitors of the zoo for better wildlife conservation values.

5. **Objectives of the Zoo**: M. C. Zoological Park, Chhatbir aims to compliment and strengthen the national efforts in conservation of endangered and rare species of wild fauna. Since its beginning, the park has aimed at the following objectives:

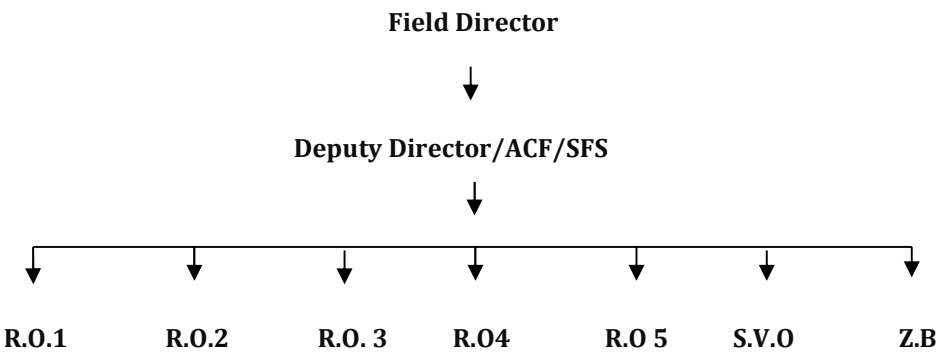
    - To support conservation of endangered and rare species through breeding under captive conditions.
    - To educate, motivate and create awareness in the society about the need for conserving wildlife, biodiversity and natural resources.
    - To provide opportunities for scientific research on wild fauna.

6. About us

Basic Information about the Zoo		
Sr. No.	**Particulars**	**Information**
1.	Name of the Zoo	M.C. Zoological Park, Chhatbir
2.	Year of Establishment	1977
3.	Address of the Zoo	V.P.O Chhat, Tehsil: Derabassi, District : Sahibzada Ajit Singh Nagar PIN: 140601 (PUNJAB)
4.	State	PUNJAB
5.	Telephone Number	-
6.	Fax Number	-
7.	E-mail address	**mczpchhatbir@gmail.com**
8.	Website	**www.chhatbirzoo.gov.in**
9.	Distance from nearest Strategic points	Chandigarh International Airport:13 km
		Chandigarh Railway Station: 18 km
		Mohali Bus Stand: 14 km
10.	Recognition Valid upto	**19.08.2023**
11.	Category of zoo	**Large**
12.	Area (in Hectares)	**202 ha.**
13.	Number of Visitors (2022-2023)	**Adult : 390096**
		Children : 153909 **Divyang : 1288** **Below 3 Year : 3576**
		Govt / Primary School : 83049
		Total Visitors : 631918
14.	Visitors Facilities Available in Zoo	• **Battery operated vehicles:** Introduced in 2009, the facility to run battery operated vehicles in Chhatbir zoo

		has been outsourced to cater to the needs of the visitors with hop-on-hop-off system with 13 ferry stations. • **Online Ticket Booking facility:** since Oct. 2016. • **Clean Drinking water facility:** At 6 different locations across the zoo. • **Toilets:** At 7 different locations across the zoo. • **Visitor shelters:** 12 of which 8 have been recently renovated. • **Canteens/Eateries:** There are 2 canteens inside zoo and a Food Plaza outside the Zoo. • **Guide map** near the main gate • **Directional signs and display boards** wherever suitable
15.	Weekly Closure Day of the Zoo	**Monday**
Management Personnel of the zoo		
16	Name with designation of the Officer in-charge	**Smt. Kalpana K. I.F.S, Field Director**
	Name of the Veterinary Officer	**Dr. Ashish Kumar**
	Name of the Curator	-
	Name of the Biologist	**Dr. Aarti B. Chavda**
	Name of the Education Officer	**Mr. Harpal Singh (Additional charge)**
	Name of the Compounder/Lab Assistant	**Mr. John Denial Lab. Tech.**
Owner / Operator of the Zoo		
17.	Name of the Operator	**Mr. Dharminder Sharma, I.F.S**
18.	Address of the Operator	**Chief Wildlife Warden, Forest Complex, Sector-68, Sahibzada Ajit Singh Nagar, Punjab.**
19.	Contact details/Phone No. Of Operator	**0172-2298000**
20.	E-mail address of Operator	**cwlwpunjab@gmail.com**

7. Organizational Chart



R.O.1: Range Officer –I (Construction and Maintenance Range)

R.O.2: Range Officer –II (Animal Management Range)

R.O.3: Range Officer –III (Landscaping Range)

R.O.4: Range Officer –IV (Store and Procurement Range)

R.O.5: Range Officer –V (Visitor Management and Security Range)

S.V.O: Senior Veterinary Officer

Z.B: Zoo Biologist

8. Human Resources

Manpower of the Zoo					
Sr. No.	**Name of the post**	**Sanctioned cadre**	**Actual position**	**Vacant post**	**Remarks**
1	Field Director	1	1	0	--
2	EACF	2	0	2	--
3	Senior Veterinary Officer	2	1	1	--
4	Supdt. Grade-II	1	1	0	--
5	Senior Assistant	2	2	0	--
6	Clerk/Jr. Assistant	7	5	2	--
7	Technical Assistant	1	0	1	--
8	Range Officer	4	2	2	--
9	Deputy Ranger	4	0	4	--
10	Forester	4	4	0	--
11	Forest Guard	10	10	0	--
12	Junior Engineer	1	0	1	--
13	Veterinary Compounder	2	0	2	--
14	PRO Forests & Wildlife	1	0	1	--
15	Zoo Security Supervisor	2	0	2	--
16	Sanitary Inspector	2	1	1	--
17	Lab. Technician	2	1	1	--
18	Mahawat	4	1	3	--
19	Driver	4	1	3	--
20	Mechanic	7	0	7	--
21	Peon	3	2	1	--
22	Zoo Keeper	27	12	15	--
23	Cook	2	1	1	--
24	Head Cook	2	0	2	--
25	Head Zoo Keeper	4	1	3	--
26	Vet. Attendant	3	0	3	--
27	Multipurpose Worker/ Hygiene Worker	30	28	2	--

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**
1.	Smt. Kalpana K. (IFS, Field Director, M.C. Zoological Park, Chhatbir)	Conservation & development of medicinal plants and benefit sharing with local communities	17.10.2022 to 21.10.2022	Kerala Forest Research Institute (KFRI), Peechi

		"National Conference for Zoo Directors"	10.09.2022 to 11.09.2022	Nandankanan Biological Park, Bhubaneswar, Odisha
		"2nd National Conference for Zoo Directors"	18.01.2023 to 19.01.2023	Chamarajendra Zoological Gardens, Mysore, Karnataka
2.	Dr. Ashish Kumar, Senior Veterinary Officer	"Mapping Competencies with Roles and Activities"	14.11.2022	One Day Online Workshop
3.	Sh. Surinder Kumar, Superintendent	Drafting of Request for Proposal (D-RFE-03)"	26.12.2022	One Day Online Workshop
4.	Smt. Ravneet Kaur, Senior Assistant	"Office Procedure and Management including service and Accounts Matters"	22.08.2022 to 26.08.2022	Mahatma Gandhi State Institute of Public Administration, (MGSIPA) Sector-26, Chandigarh
5.	Sh. Jagdeep Singh, Forester	"Incident Response System: Basic & Intermediate"	14.11.2022 to 18.11.2022	National Institute of Disaster Management, at MGSIPA, Chandigarh.
6.	Dr. Aarti B. Chavda, Zoo Biologist	"International Conference on Reproductive Biology, Comparative Endocrinology and Development"	14.09.2022 to 16.09.2022	CSIR- Centre for Cellular and Molecular Biology, Hyderabad
		Capacity Enhancement Workshop for Zoo Biologists	21.03.2023 to 23.03.2023	Green Zoological, Rescue & Rehabilitation Centre

10. Zoo Advisory Committee ------- Under Process

a. **Date of constitution**
b. **Members**
c. **Dates on which Meetings held during the year**

11. Health Advisory Committee ------- Under Process

a. **Date of constitution**
b. **Members**
c. **Dates on which Meetings held during the year**

12. Statement of income and expenditure of the zoo

Details of Expenditure of M.C. Zoological Park, Chhatbir, Punjab.

Year	2022-2023 (lakhs)
Non Plan	**1315.09**
Plan FT-14	**470.84**
PZDS	**313.24**
FT-03	**146.98**

Grand Total	2246.05

Detailed Revenue of M.C. Zoological Park, Chhatbir, Punjab.

Year	Revenue from Zoo Entry Ticket	Revenue from other facilities	Total
2022-2023	4,90,95,700	2,11,30,026	7,02,25,726
Grand Total	**4,90,95,700**	**2,11,30,026**	**7,02,25,726**

13. Daily Feed Schedule of animals

FEED CHART CHHATBIR ZOO			
Sr. No.	**Species**	**Particulars**	**Qty. of Feed (in Kg/no.)**
1	**Macaque and Langur**	Banana	2.000
		Papaya	0.200
		Sweet Lime/Orange/Mausami	0.050
		Onion	0.020
		Garlic	0.010
		Carrot (Nov to Mar)	0.050
		Cucumber (Apr to Oct)	0.050
		Roasted Ground Nut	0.050
		Roasted Black Gram	0.050
		Palak (Apr to Oct)	0.050
		Apple	0.250
		Turnip (Nov to Mar)	0.050
		Bread	0.050
		Potato	0.050
		Cabbage (Nov to Mar)	0.050
		Peas Green (Nov to Mar)	0.050
		Honey (Nov to Mar)	0.020
		Water Melon(Apr to June)	0.250
		Glucon-D (Apr to Aug)	0.020
2	**Baboon**	Banana	4.000
		Papaya	0.400
		Sweet Lime/Orange/Mausami	0.100
		Onion	0.040
		Garlic	0.020
		Carrot (Nov to Mar)	0.100
		Cucumber (Apr to Oct)	0.100
		Roasted Ground Nut	0.100
		Roasted Black Gram	0.100
		Palak (Apr to Oct)	0.100
		Apple	0.300
		Turnip (Nov to Mar)	0.100
		Bread	0.100
		Potato	0.100
		Cabbage (Nov to Mar)	0.100

		Peas Green (Nov to Mar)	0.100
		Guava/Peach/Chiku	0.300
		Honey (Nov to Mar)	0.030
		Water Melon(Apr to June)	0.300
		Glucon-D (Apr to Aug)	0.030
3	**Royal Bengal Tiger, White Tiger**	Beef Meat	8.000
		Glucon-D (Apr to Aug)	0.100
4	**Jungle Cat**	Chicken Meat	0.500
		Milk	0.250
5	**Cockatiel Grey**	Kangani	0.015
		Bajra	0.005
		Apple	0.002
		Palak (Apr to Oct)	0.005
		Carrot (Nov to Mar)	0.002
		Cabbage (Nov to Mar)	0.005
		Cucumber (Apr to Oct)	0.002
		Lin seed (Nov to Mar)	0.005
		Sunflower Seed(without Shell)	0.020
6	**Sun Conure** **Jenday Conure**	Apple	0.010
		Carrot (Nov to Mar)	0.010
		Ground Nut	0.010
		Green Chilly	0.010
		Paddy	0.000
		Kangani	0.010
		Peas Green (Nov to Mar)	0.010
		Cucumber (Apr to Oct)	0.010
7	**Hippo**	Green Fodder	1.000
		Mix Crushed for Animal	3.000
		Khichri (Rice 3 kg +Mongi 1 kg + Gur 1 kg+ Cotton Seed Oil 2 ltr)(Every Friday)	7.000
		Moong	0.500
		Potato	1.000
		Gur (Weekly)	0.500
		Banana	5.000
		Papaya	0.500
		Sweet Potato (Nov to Mar)	0.800
		Bread	0.800
		Cabbage (Nov to Mar)	1.000
		Haldi	0.040
		Water Melon(Apr to June)	3.000
		Tree Leaves	10.000
8	**Persian Cat**	Meo cat Feed	0.075
		Milk	0.200
		Egg(Boiled)	1.5
9	**Guinea Pig**	Carrot (Nov to Mar)	0.020
		Cabbage (Nov to Mar)	0.020

		Black Gram	0.030
		Green Fodder	0.001
		Cucumber (Apr. to Oct)	0.020
		Wheat Crushed	0.020
10	**Kalij Pheasant**	Mix crushed for Birds	0.100
		Palak (Apr to Oct)	0.050
		Wheat	0.050
		Soya been Crushed	0.050
		Cabbage (Nov to Mar)	0.050
		Egg(Boiled)	1.000
11	**Civet Cat**	Chicken Meat	0.500
		Milk	0.250
		Egg (Boiled)	1.000
		Banana	1.000
11	**Budgerigar**	Kangani	0.015
		Bajra	0.005
		Apple	0.002
		Palak (Apr to Oct)	0.005
		Carrot (Nov to Mar)	0.002
		Cabbage (Nov to Mar)	0.005
		Cucumber (Apr to Oct)	0.002
		Lin seed (Nov to Mar)	0.005
12	**Hyena, Indian Wolf, Jackal**	Beef Meat	3.000
		Glucon-D (Apr to Aug)	0.050
13	**Elephant**	Mix Crushed Roti	2.000
		Soybean Atta	0.500
		Gur (Weekly)	1.000
		Black Gram Atta (Roti)	2.000
		Banana	6.000
		Papaya	0.600
		Green Fodder	2.500
		Garlic	0.100
		Sugar Cane (Nov to Jan)	1.000
		Watermelon(Apr to June)	5.000
		Tree Leaves	25.000
14	**Lion**	Beef Meat	9.000
		Milk	0.000
		Glucon-D (Apr to Aug)	0.100
		Mix Sabat Dana	10.000
15	**Leopard**	Beef Meat	4.000
		Glucon-D (Apr to Aug)	0.050
16	**Leopard Cat**	Chicken Meat	0.250
		Milk	0.250
		Egg (Boiled)	2.000
17	**Fox**	Beef Meat	0.625
		Egg (Boiled)	1
18	**Himalayan Black Bear**	Roti of Maize Atta	0.250
		Milk	0.500

		Bread	0.200
		Apple	0.300
		Banana	3.000
		Papaya	0.300
		Sweet Potato (Nov to Mar)	0.100
		Khichri (Whole Moongi 50% +Rice 50%)	1.000
		Honey (Nov to Mar)	0.100
		Watermelon(Apr to June)	0.500
		Glucon-D (Apr to Aug)	0.100
19	**Sloth Bear**	Biryani (chicken 0.500 kg + Rice 0.500 kg +Egg 5 no.)	1.000
		Egg (Biryani)	5.000
		Kheer(Rice Kanni 0.500 + Milk 1 LITRE)	1.500
		Papaya	0.300
		Roti of Maize Atta	1.000
		Honey (Nov to Mar)	0.100
		Watermelon(Apr to June)	0.500
		Glucon-D (Apr to Aug)	0.100
20	**Gharial**	Fish Small	0.600
21	**Barn Owl**	Fish Small	0.150
22	**Saras Crane**	Mix Sabat Dana	0.200
		Fish Small	0.200
		Paddy	0.200
		Onion	0.025
23	**Spot-Billed Duck**	Mix crushed for Birds	0.200
		Palak (Apr to Oct)	0.050
		Cabbage (Nov to Mar)	0.050
24	**White Ibis+ Spoonbill White**	Fish Small	0.300
25	**Cattle Egret, Night Heron, Indian Pond Heron**	Fish Small	0.100
		Mix crushed for Birds	0.100
26	**Common Moorhen, White Breasted Waterhen**	Mix crushed for Birds	0.100
		Palak (Apr to Oct)	0.050
		Wheat	0.050
		Cabbage (Nov to Mar)	0.050
27	**Lesser Coucal**	Egg (Boiled)	1.000
		Cucumber (Apr to Oct)	0.050
		Carrot (Nov to Mar)	0.050
		Apple	0.050
28	**Black Swan**	Maize Crushed	0.100
		Bajra	0.100
		Jawar	0.100
		Wheat	0.100
		Palak (Apr to Oct)	0.050
29	**Lesser Whistling Teal**	Mix Crushed for Birds	0.200
		Palak (Apr to Oct)	0.050
		Cabbage (Nov to Mar)	0.050
30	**Diamond Dove, Dove**	Mix crushed for Birds	0.050

		Palak (Apr to Oct)	0.010
		Cabbage (Nov to Mar)	0.010
31	**Jawa Sparrow**	Kangani	0.015
		Bajra	0.005
		Palak (Apr to Oct)	0.005
		Cabbage (Nov to Mar)	0.005
		Lin seed (Nov to Mar)	0.005
32	**Budgerigar**	Kangani	0.015
		Bajra	0.005
		Apple	0.002
		Palak (Apr to Oct)	0.005
		Carrot (Nov to Mar)	0.002
		Cabbage (Nov to Mar)	0.005
		Cucumber (Apr to Oct)	0.002
		Lin seed (Nov to Mar)	0.005
33	**Zebra Finches**	Kangani	0.015
		Bajra	0.005
		Palak (Apr to Oct)	0.005
		Cabbage (Nov to Mar)	0.005
		Lin seed (Nov to Mar)	0.005
34	**Jungle Babbler, Weaver Birds**	Mix Crushed for Birds	0.100
		Palak (Apr to Oct)	0.050
		Cabbage (Nov to Mar)	0.050
35	**Rofous Tree Pie**	Kangani	0.015
		Bajra	0.005
		Apple	0.002
		Palak (Apr to Oct)	0.005
		Carrot (Nov to Mar)	0.002
		Cabbage (Nov to Mar)	0.005
		Cucumber (Apr to Oct)	0.002
		Lin seed (Nov to Mar)	0.005
36	**Common Myna**	Banana	1.000
		Mix crushed for Birds	0.050
		Palak (Apr to Oct)	0.020
		Garlic	0.010
		Onion	0.010
		Peas Green (Nov to Mar)	0.020
		Papaya	0.100
		Cabbage (Nov to Mar)	0.020
37	**Stork Painted, Stork Black Necked, Stork White, Woolly Necked Stork**	Fish Small	0.300
38	**Pelican Rosy, Grey Pelican**	Fish Small	2.000
39	**White Peacock, Peafowl Indian**	Mix Sabat Dana	0.100
		Palak (Apr to Oct)	0.050
		Garlic	0.050
		Carrot (Nov to Mar)	0.010
		Apple	0.010
		Peas Green (Nov to Mar)	0.050
		Cabbage (Nov to Mar)	0.050

		Cucumber (Apr to Oct)	0.010
40	**Rose Ringed Parakeet**	Apple	0.010
		Carrot (Nov to Mar)	0.010
		Ground Nut	0.010
		Green Chilly	0.010
		Paddy	0.010
		Peas Green (Nov to Mar)	0.010
		Cucumber (Apr to Oct)	0.010
41	**Comb Duck**	Mix Crushed for Birds	0.200
		Palak (Apr to Oct)	0.050
		Cabbage (Nov to Mar)	0.050
42	**House Sparrow (N.I)**	Kangani	0.015
		Bajra	0.005
		Apple	0.002
		Palak (Apr to Oct)	0.005
		Carrot (Nov to Mar)	0.002
		Cabbage (Nov to Mar)	0.005
		Cucumber (Apr to Oct)	0.002
		Lin seed (Nov to Mar)	0.005
43	**Cockatiel Grey, Love Bird**	Kangani	0.015
		Bajra	0.005
		Apple	0.002
		Palak (Apr to Oct)	0.005
		Carrot (Nov to Mar)	0.002
		Cabbage (Nov to Mar)	0.005
		Cucumber (Apr to Oct)	0.002
		Lin seed (Nov to Mar)	0.005
		Sunflower Seed(without Shell)	0.020
44	**Emu**	Black Gram	0.300
		Onion	0.100
		Garlic	0.040
		Palak (Apr to Oct)	0.200
		Egg (Boiled)	2.000
		Banana	10.000
		Papaya	0.100
		Cabbage (Nov to Mar)	0.200
		Apple	0.600
		Peas Green (Nov to Mar)	0.400
		Mix Crushed For Birds	0.400
		Glucon-D (Apr to Aug)	0.040
45	**Blue And Gold Macaw**	Banana	1.000
		Ground Nut	0.100
		Apple	0.100
		Palak (Apr to Oct)	0.100
		Carrot (Nov to Mar)	0.100
		Cabbage (Nov to Mar)	0.100
		Cucumber (Apr to Oct)	0.100

		Walnuts	0.020
		Almonds	0.005
		Sunflower Seed(without Shell)	0.020
		Coconut (with shell) twice a week(optional)	4.000
46	**Red Jungle Fowl**	Banana	1.000
		Mix crushed for Birds	0.100
		Palak (Apr to Oct)	0.050
		Garlic	0.010
		Onion	0.025
		Peas Green (Nov to Mar)	0.050
		Papaya	0.100
		Cabbage (Nov to Mar)	0.050
47	**Indian Grey Mongoose**	Fish Small	0.100
48	**Porcupine**	Carrot (Nov to Mar)	0.100
		Potato	0.100
		Ground Nut	0.100
		Palak (Apr to Oct)	0.200
		Onion	0.025
		Bread	0.100
		Apple	0.100
		Turnip (Nov to Mar)	0.100
		Sweet Potato (Nov to Mar)	0.100
		Peas Green (Nov to Mar)	0.100
		Cucumber (Apr to Oct)	0.100
		Cabbage (Nov to Mar)	0.200
49	**Grey Partridge, Black Partridge, Lady Amherst Pheasant, Fowl Red Jungle, Pheasant Golden, Silver**	Banana	1.000
		Mix crushed for Birds	0.100
		Palak (Apr to Oct)	0.050
		Garlic	0.010
		Onion	0.025
		Peas Green (Nov to Mar)	0.050
		Papaya	0.100
		Cabbage (Nov to Mar)	0.050
50	**Mouse Deer**	Banana	1.000
		Apple	0.150
		Cucumber (Apr to Oct)	0.100
		Sweet Potato (Nov to Mar)	0.100
		Carrot (Nov to Mar)	0.100
		Black Gram	0.100
		Cabbage (Nov to Mar)	0.050
		Palak (Apr to Oct)	0.050
		Tree Leaves	0.100
51	**Barking Deer**	Black Gram	0.100
		Gur(twice a week)	0.200
		Green Fodder	0.080
		Cattle Feed	0.150
		Haldi	0.010

		Tree Leaves	0.500
51	**Deer Brow Antlered (Manipur Deer)**	Black Gram	0.200
		Gur (twice a week)	0.150
		Green Fodder	0.150
		Cattle Feed	0.300
		Haldi	0.010
		Tree Leaves	1.000
52	**Kalij Pheasant**	Mix crushed for Birds	0.100
		Palak (Apr to Oct)	0.050
		Wheat	0.050
		Soya been Crushed	0.050
		Cabbage (Nov to Mar)	0.050
		Egg(Boiled)	1.000
53	**Pheasant Golden**	Banana	1.000
		Mix crushed for Birds	0.100
		Palak (Apr to Oct)	0.050
		Garlic	0.010
		Onion	0.025
		Peas Green (Nov to Mar)	0.050
		Papaya	0.100
		Cabbage (Nov to Mar)	0.050
54	**Jackal**	Beef Meat	2.000
		Chicken Meat	0.000
		Glucon-D (Apr to Aug)	0.050
55	**Sambar**	Black Gram	0.200
		Gur (twice a week)	0.400
		Green Fodder	0.160
		Cattle Feed	0.300
		Haldi	0.020
		Mix Sabat Dana	15.000
		Tree Leaves	1.000
56	**Spotted Deer**	Black Gram	0.100
		Gur (twice a week)	0.200
		Green Fodder	0.100
		Cattle Feed	0.150
		Haldi	0.010
		Tree Leaves	1.000
57	**Barking Deer**	Black Gram	0.100
		Gur (twice a week)	0.200
		Green Fodder	0.080
		Cattle Feed	0.150
		Haldi	0.010
		Tree Leaves	0.500
58	**Four Horned Antelope**	Black Gram	0.100
		Gur (Weekly)	0.100
		Green Fodder	0.050
		Cattle Feed	0.100
		Haldi	0.010
		Tree Leaves	0.200

59	**Chinkara**	Black Gram	0.250
		Gur (Weekly)	0.100
		Cattle Feed	0.100
		Green fodder	0.050
		Haldi	0.010
		Tree Leaves	0.200
60	**Dove**	Mix crushed for Birds	0.050
		Palak (Apr to Oct)	0.010
		Cabbage (Nov to Mar)	0.010
61	**Fowl Red Jungle, Pheasant Golden**	Banana	1.000
		Mix crushed for Birds	0.100
		Palak (Apr to Oct)	0.050
		Garlic	0.010
		Onion	0.025
		Peas Green (Nov to Mar)	0.050
		Papaya	0.100
		Cabbage (Nov to Mar)	0.050
62	**Sarus Crane**	Mix Sabat Dana	0.200
		Fish Small	0.200
		Paddy	0.200
		Onion	0.025
63	**Peafowl Indian**	Mix Sabat Dana	0.100
		Palak (Apr to Oct)	0.050
		Garlic	0.050
		Carrot (Nov to Mar)	0.010
		Apple	0.010
		Peas Green (Nov to Mar)	0.050
		Cabbage (Nov to Mar)	0.050
		Cucumber (Apr to Oct)	0.010
64	**Wild Boar**	Mix Crushed for Animal	1.000
		Dry Amala	0.100
		Potato	1.500
		Sweet Potato (Nov to Mar)	0.200
		Haldi	0.010
65	**Black Kite**	Chicken Meat	0.250
66	**Rose Ringed Parakeet, Alexandrine Parakeet, Parakeet Blossom Headed**	Apple	0.010
		Carrot (Nov to Mar)	0.010
		Ground Nut	0.015
		Green Chilly	0.010
		Paddy	0.010
		Peas Green (Nov to Mar)	0.010
		Cucumber (Apr to Oct)	0.010
67	**Grey Partridge**	Mix Crushed for Birds	0.100
		Palak (Apr to Oct)	0.050
		Cabbage (Nov to Mar)	0.050
68	**Sulphur Crested Cockatoo**	Banana	1.000
		Ground Nut	0.100
		Apple	0.100
		Palak (Apr to Oct)	0.100

		Carrot (Nov to Mar)	0.100
		Cabbage (Nov to Mar)	0.100
		Cucumber (Apr to Oct)	0.100
		Sunflower Seed(without Shell)	0.020
69	**Cockatiel Grey**	Kangani	0.015
		Bajra	0.005
		Apple	0.005
		Palak (Apr to Oct)	0.005
		Carrot (Nov to Mar)	0.002
		Cabbage (Nov to Mar)	0.005
		Cucumber (Apr to Oct)	0.002
		Lin seed (Nov to Mar)	0.005
		Sunflower Seed(without Shell)	0.020
70	**Pheasant Ring Necked, Chukar Partridges**	Banana	1.000
		Mix crushed for Birds	0.100
		Palak (Apr to Oct)	0.050
		Garlic	0.010
		Onion	0.025
		Peas Green (Nov to Mar)	0.050
		Papaya	0.100
		Cabbage (Nov to Mar)	0.050
71	**Sarus Crane**	Mix Sabat Dana	0.200
		Fish Small	0.200
		Paddy	0.200
		Onion	0.025
72	**Shikara**	Chicken Meat	0.150
73	**Quail Common**	Sattu	0.100
		Apple	0.200
		Mix Crushed for Birds	0.200
74	**Comb Duck, Pintail Graylag Goose, Water Rail, Ruddy shell duck, Lesser Whistling Teal**	Mix Crushed for Birds	0.200
		Palak (Apr to Oct)	0.050
		Cabbage (Nov to Mar)	0.050
75	**Hog Deer**	Black Gram	0.100
		Gur (Weekly)	0.100
		Green Fodder	0.080
		Cattle Feed	0.150
		Haldi	0.010
		Tree Leaves	0.500
76	**Black Buck, White Buck**	Black Gram	0.100
		Gur (twice a week)	0.200
		Green Fodder	0.080
		Cattle Feed	0.150
		Haldi	0.010
		Tree Leaves	1.000
77	**Swamp Deer**	Black Gram	0.200
		Gur (Weekly)	0.150
		Green Fodder	0.150

		Cattle Feed	0.300
		Haldi	0.020
		Tree Leaves	2.000
78	**Goral**	Black Gram	0.300
		Gur (Weekly)	0.100
		Green Fodder	0.005
		Maize Crushed	0.250
		Haldi	0.010
		Tree Leaves	1.000
79	**Gaur(Indian Bison)**	Black Gram	0.500
		Wheat Strow (Toori)	10.000
		Green Fodder	1.000
		G. Cake (Khal)	0.250
		Rice Bran	0.250
		Choker	2.000
		Gur (Weekly)	0.500
		Haldi	0.020
		Glucon-D (Apr to Aug)	0.200
		Tree Leaves	4.000
80	**Ostrich**	Black Gram	0.100
		Onion	0.070
		Garlic	0.025
		Palak (Apr to Oct)	0.150
		Egg (Boiled)	3.000
		Banana	4.000
		Papaya	0.250
		Cabbage (Nov to Mar)	0.100
		Apple	0.250
		Peas Green (Nov to Mar)	0.200
		Mix Crushed for Birds	0.400
		Glucon-D (Apr to Aug)	0.050
		Starter Feed	0.600
81	**Sarus Crane**	Mix Sabat Dana	0.200
		Fish Small	0.200
		Paddy	0.200
		Onion	0.025
82	**Python (Indian Rock)**	Live Boiler(Weakly)	4.000
83	**Rat Snakes, Cobra, Checkered Keelback, Black Headed Royal Snake**	Live Chick(Weakly)	4.000
84	**Monitor Lizard(Bengal)+Monitor Lizard Yellow**	Egg (Boiled)	3.000
85	**Blue Bull**	Black Gram	0.200
		Gur (Weekly)	0.200
		Green Fodder	0.250
		Cattle Feed	0.300
		Haldi	0.020
		Tree leaves	2.000
86	**Indian Flap Shelled Turtle, Indian Soft shell Turtle**	Sattu	0.200
		Banana	2.000

		Papaya	0.200
		Palak (Apr to Oct)	0.100
		Carrot (Nov to Mar)	0.100
		Cabbage (Nov to Mar)	0.100
		Cucumber (Apr to Oct)	0.100
87	**Crocodile**	Fish Big	2.000
88	**Gharial**	Fish Big	3.000
89	**Fruit Bat**	Sweet Lime/Orange/Mausami	0.050
		Apple	0.200
		Papaya	0.200
		Guava/Peach/Chiku	0.200
90	**Barn Owls, Great Horned Owl**	Chicken Meat	0.150
91	**Civet Cat**	Chicken Meat	0.500
		Egg (Boiled)	1.000
		Banana	1.000
		Milk	0.250
		Papaya	0.100
92	**Jackal**	Beef Meat	3.000
		Glucon-D (Apr - Aug)	0.050
93	**Porcupine**	Carrot (Nov to Mar)	0.100
		Potato	0.100
		Ground Nut	0.100
		Palak (Apr to Oct)	0.200
		Onion	0.025
		Bread	0.100
		Apple	0.100
		Turnip (Nov to Mar)	0.100
		Sweet Potato (Nov to Mar)	0.100
		Peas Green (Nov to Mar)	0.100
		Cucumber (Apr to Oct)	0.100
		Cabbage (Nov to Mar)	0.200
94	**Geese Common**	Mix Crushed for Birds	0.200
		Palak (Apr to Oct)	0.050
		Cabbage (Nov to Mar)	0.050
95	**Green Iguana**	Apple	0.050
		Cucumber (Apr to Oct)	0.050
		Carrot (Nov to Mar)	0.050
		Palak (Apr to Oct)	0.020
		Cabbage (Nov to Mar)	0.020
		Banana	1.000
96	**Red Iguana**	Carrot (Nov to Mar)	0.150
		Cucumber (Apr to Oct)	0.050
		Palak (Apr to Oct)	0.150
		Banana	1.000
		Apple	0.050
97	**Smooth Indian Otter**	Fish Big	2.000

14 (a) Vaccination Schedule

Sr. No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/quantity used	Periodicity	Remarks
1	Lions	Rabies	Nobivac-Rabies/(1ML S/c)	Yearly	--
2	Tigers	Rabies	Nobivac-Rabies/(1ML S/c)	Yearly	--
3	Leopards	Rabies	Nobivac-Rabies/(1ML S/c)	Yearly	--

Sr. No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/quantity used	Periodicity	Remarks
1	Lions	Panleukopenia, Calci virus (2 strain), Infectious Feline Rhinotracheitis	Fellowvax-PCT 1 ml s/c	Yearly	--
2	Tigers	Panleukopenia, Calci virus (2 strain), Infectious Feline Rhinotracheitis	Fellowvx-PCT 1 ml s/c	Yearly	--
3	Leopards	Panleukopenia, Calci virus (2 strain), Infectious Feline Rhinotracheitis	Fellowvax-PCT 1 ml s/c	Yearly	--

(b) Vaccination Schedule

Sr. No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/quantity used	Periodicity	Remarks
1	Lions	Canine distemper	Pure Vax-Ferret distemper Vaccine	Yearly	--
2	Tigers	Canine distemper	Pure Vax-Ferret distemper Vaccin	Yearly	--
3	Leopards	Canine distemper	Pure Vax-Ferret distemper Vaccine	Yearly	--

(c) Vaccination Schedule

Sr. No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/quantity used	Periodicity	Remarks
1	Bison	FMD and HS	Raksha-Biovac 3 ml S/C	Half-Yearly	--
2	Goral	FMD and HS	Raksha-Biovac 1.5 ml S/C	Half-Yearly	--
3	Swamp deer	FMD and HS	Raksha-Biovac 3 ml S/C	Half-Yearly	--
4	Hog deer	FMD and HS	Raksha-Biovac 3 ml S/C	Half-Yearly	--
5	Elephant	Tetanus	T.T Vaccine 3 ml S/C	Half-Yearly	--

15 De-worming Schedule

Sr. No.	Species	Drug used	Month
1	Lion	Ivermectin	Quarterly
2	Tiger	Ivermectin	Quarterly
3	Leopard	Ivermectin	Quarterly
4	Jaguar	Ivermectin	Quarterly
5	Hyena	Praziquantel/Pyrantel Pamoate/ Fenbendazole	Quarterly

6	Jackal	Praziquantel/Pyrantel Pamoate/ Fenbendazole	Quarterly
7	Wolf	Praziquantel/Pyrantel Pamoate/ Fenbendazole	Quarterly
8	Cats	Ivermectin	Quarterly
9	Hippo	Fenbendazole	Quarterly
10	Porcupine	Syp. Piperazine	Quarterly
11	Owl/Fruit Bat	Syp. Piperazine	Quarterly
12	Elephant	Fenbendazole	Quarterly
13	Deers	Albendazole/Praziquantel/Pyrantel Pamoate/Fenbendazole/Ivermectine	Quarterly
14	Bears	Fenbendazole	Quarterly
15	Wild Boar	Fenbendazole	Quarterly
16	Primates	Fenbendazole	Quarterly
17	Birds	Syp. Piperazine	Quarterly
18	Bison	Fenbendazole	Quarterly
19	Reptiles	Syp. Albomar/Fenbendazole/Ivermectin/Syp. Piperazine	Quarterly

16 Disinfection Schedule

Disinfection Schedule of Animal Complexes for 2022-2023

S. No	Name of Complex	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1	Monkey Complex-I	●	●	●	●	●	●	●	●	●	●	●	●
2	Monkey Complex-II	●	●	●	●	●	●	●	●	●	●	●	●
3	Tiger Complex	●	●	●	●	●	●	●	●	●	●	●	●
4	Hippo Complex	●	●	●	●	●	●	●	●	●	●	●	●
5	Emu Complex	●	●	●	●	●	●	●	●	●	●	●	●
6	Elephant Complex	●	●	●	●	●	●	●	●	●	●	●	●
7	Lion Safari Complex	●	●	●	●	●	●	●	●	●	●	●	●
8	Leopard Complex	●	●	●	●	●	●	●	●	●	●	●	●

9	Cat Complex												
10	Bear Complex												
11	Bird Aviary												
12	Pheasantry												
13	Small Deer Complex												
14	Off Display Area												
15	Deer Safari Complex												
16	Small Bird Aviary												
17	Zebra Complex												
18	Swamp Deer Complex												
19	Blue Bull Complex												
			DAILY DISINFECTION PROTOCOL										
			WEEKLY DISINFECTION PROTOCOL										
			FORTNIGHTLY DISINFECTION PROTOCOL										

PARAMETERS

PROTOCOL SHOWING WITH 🔵 MARK
PHYSICAL REMOVAL OF ORGANIC MATTER
PRESSURE CLEANING WITH PLAIN WATER
EFFICACY OF FLY-CATCHER & MOUSE-TRAP
CLEANING OF WATERING BOWLS
REMOVAL OF EXCRETA FROM OPEN ENCLOSURE IN A COVERED CONTAINER AND DISPOSED
CLEANING OF FOOT-DIPS AND THEIR MATS
DISINFECTANT USED IN FOOT-DIP (ALTERNATELY) A) 2% KMNO4 B) 1% khorsaline
DRYING WITH FANS / EXHAUST
PROTOCOL SHOWING WITH 🟢 MARK
HOT WATER SCRUBBING
WASHING WITH PLAIN HOT WATER AND RINSE
DISINFECTANT USED FOR CLEANING (5% SOLUTION) A)CAUSTIC SODA B) BLEACHING POWDER (NOT FOR ANIMALS FLOOR WASH)
PROTOCOL SHOWING WITH 🔴 MARK
FLAME-GUN USE ON THE FLOOR AND WALLS OF RETIRING CELLS OF ANIMALS

Daily disinfection schedule
1. Collect all feed wastage of carnivores in the polythene disposal bag and kept in red colour bin
2. Collect all the excreta of carnivores in the polythene disposal bag and kept in the blue colour bin
3. Collect all the excreta of carnivores from the open enclosure and spread the lime powder on the soil at site.
4. Washing the floor and walls of the animal housing area with pressure pump and sweeping and wipe properly
5.Collect all the bins from the animal's houses and incinerate all the feed wastage and excreta everyday
6. Burn all the excreta and other feed wastage in incinerator or buried in the pits under the layer of lime powder
7. same procedure has been done with the feed wastage of Gharial and crocodiles also
8. All the fodder wastage and dung of herbivores also has been removed from the surrounding of animals enclosures including the Elephants and its disposal 1 km away from the animal enclosure area and further disposal through vermin composting or the pit composed

Weekly disinfection schedule
1. Wet the surface of floor and walls with hot boiled water
2. Spread the solution of 5% dilution with KMNO4 / Bleaching powder/ caustic soda flakes alternatively
3. Scrapping the surface of floor and walls with iron brush
4. Rinse the surface with hot boiled water completely
5. Dry surface with wiper or floor duster effectively

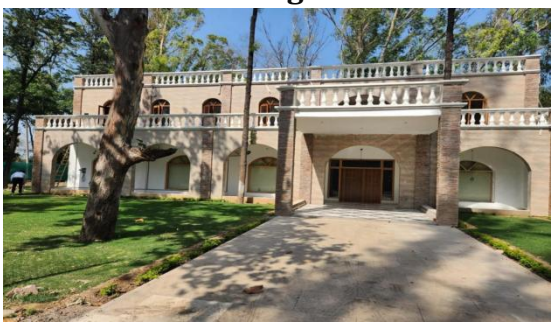
Fortnightly disinfection schedule
Flame burning of floor and walls of feeding cell on every alternate week

17. Development Works carried out in the zoo during the year

Sr. No.	Name of the work
1	Essential interior and exterior furnishing and infrastructure works in wildlife research cum training center constructed under Ft-03 state scheme in the year 2021-22
2	Zoo Education and Publicity activities such as publication of posters, pamphlets, IT applications, banners, awareness material etc
3	Habitat enrichment and foliage enrichment by plantation of 2 ha. native tall plants species in Deer safari zone
4	Upgradation and modernization in feed management facilities like feed store by procurement of Deep Freezer, Air conditioner for Meat processing room & Vegetables and fruits room, Crates and other allied utensils
5	Replacement of old waste management machineries like tractor, trolley and associated equipments
6	Animal Acquisition and exchange of Wild animals for display, breeding, pairing as per animal collection plan

Essential interior and exterior furnishing and infrastructure works in wildlife research cum training centre constructed under Ft-03 state scheme.

Training center



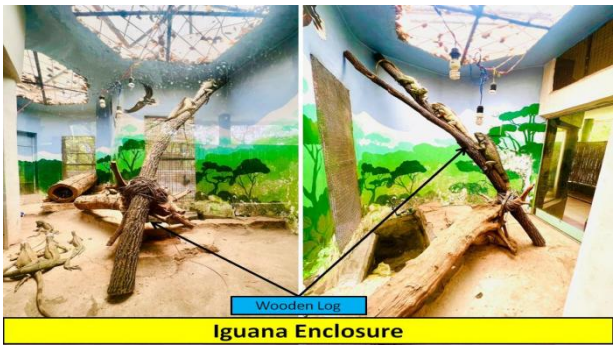
Conference Hall

Hostel Facility

Visitor Awareness

Zoo Publicity

3. Habitat enrichment

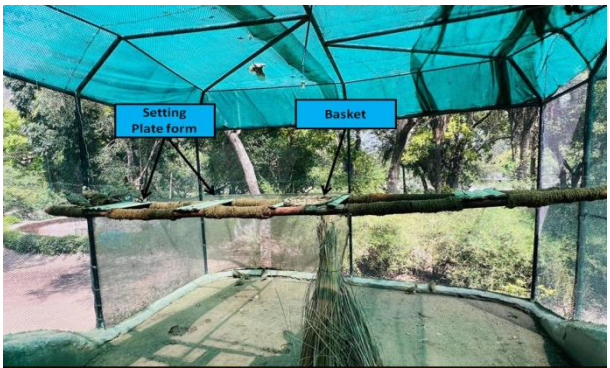


Iguana Enclosure

Royal Indian Enclosure

Rat Snake Enclosure

Cobra Enclosure



Grey Partridges Enclosure

RJF Enclosure

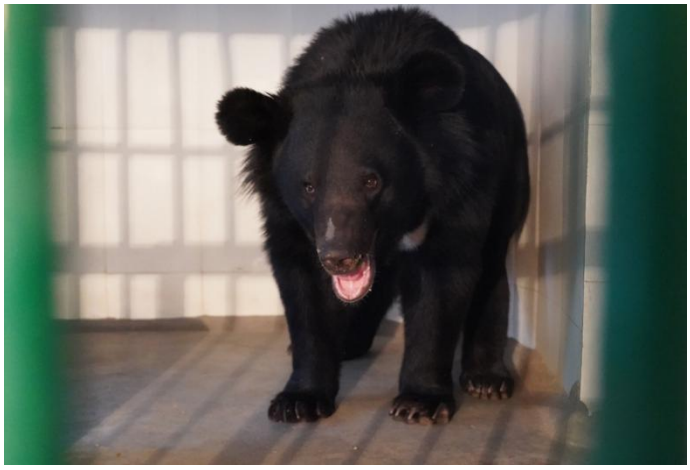
5. Animal Acquisition and exchange

These animals were acquired from Nehru Zoological Park, Hyderabad, Telangana

These animals are acquired from Dhauladhar Nature Park, Gopalpur, Himachal Pradesh

These birds were acquired from Nehru Zoological Park, Hyderabad, Telangana


These birds/animals are acquired from Nehru Zoological Park, Hyderabad, Telangana



Sloth bear acquired from Renuka Ji Mini Zoo, Renuka ji, Himachal Pradesh

18. Education and Awareness programme during the year

The official journey of Azadi Ka Amrit Mahotsav commenced on March 12, 2021, which started a 75-week countdown to our 75th anniversary of independence and will end after a year on August 15, 2023.

In lieu of the above, the Central Zoo Authority initiated a conservation awareness programme in all the zoos in the country and selected 75 important wildlife species to celebrate a week-long conservation awareness programme. CZA allocated the schedule to the different zoos with selective target species to run the conservation awareness programmes with new ideas to

1. Raise awareness about biodiversity.
2. Raise awareness about species of conservation significance.

During August 8–14, 2022, Chhatbir Zoo celebrated the Azadi ka Amrit Mahotsav, wherein Gharial was allocated as a key species for conservation awareness. Chhatbir Zoo ran a week-long awareness campaign for Gharials. Many activities have been organized with full enthusiasm to raise awareness for the Gharial from August 8 to August 14, 2022.


SPECIES
360

19. Important Events and happenings in the Zoo

One Day Capacity Building Training Workshop for Wildlife Staff

The Chhatbir Zoo hosted a capacity-building training on the rescue and rehabilitation of wildlife for field officials on December 5, 2022. Field staff members in charge of wildlife management in Punjab frequently have to perform animal rescue tasks, particularly during the winter. Additionally, they must increase public awareness of wildlife in both urban and rural locations. Dealing with human-animal conflict close to wildlife zones is part of their duty. Selected participants (40 field workers from Punjab's Wildlife Divisions) attended a one-day program where they got training on rescue and rehabilitation from subject-matter specialists and seasoned practitioners.


M.C. ZOOLOGICAL PARK CHHATBIR
One Day Capacity Building Training Workshop for Wildlife Staff
Topic : "Training on Rescue and Rehabilitation of wildlife for field officials in-charge of Wildlife Management in Punjab"
on 05.12.2022 (Monday)
Alteration of Boundaries
In view of sections 26A (3) and 35(5) of WLPA, no alteration of the boundaries of a Sanctuary/ National Park by the State Government can be made except on a recommendation of the NBWL/SCNBWL.
Reg. Revenue Record of Sanctuaries
Digitisation of boundaries of sanctuaries
Encroachment issues (Cases to be dealt under WLPA being strong and special Act)
CHHATBIR ZOO
GOVT. OF PUNJAB

Wildlife week celebration at Chhatbir zoo

This year Prime Minister of India also gave a message on Wildlife Conservation on 18th September at the time of Cheetah release in Kuno National Park. Prime Minister message is the same, as is the international theme of World Wildlife Day, which Central Zoo Authority, New Delhi has incorporated into its 2022 Wildlife Week circular. Chhatbir Zoo planned and celebrated Wildlife Week 2022 as per the guidelines and directions circulated by Central Zoo Authority. As follows

In light of the above circular, the Chhatbir Zoo has scheduled the celebration of Wildlife Week 2022 as follows:

Schedule of Events for "Wildlife Week Celebrations 2022" at Chhatbir Zoo

Date	Events	Timings	Remarks
02.10.2022 Sunday	Wildlife Awareness Campaign ***Mini marathon 5km and10km "Run for Wild"***	**6amto8am**	**5000 m and 10000 m run at the zoo campus early morning event**
03.10.2022 Monday	Essay Writing Competition Middle Category Class 6th to 8th	**Registration Time at the Zoo Interpretation Centre near main gate entrance (10:00 am to 11:00 am) Competition time at the same place (11:00 am to 1:00 pm)**	**Only 3 participants (student) will be allowed in each category from one school. Students will carry their own hard board. Colors provided by the Zoo management for painting event. Students will carry their drawing boards only.**
	Essay Writing Competition Senior Category Class 9th to 10th		
	Painting Competition Junior Category Class 1st to 5th		
	Painting Competition Middle Category Class 6th to 8th		
	Quiz Competition Senior Category Class 9th to 10th		
	Zoo Keeper's Talk on Tigers	**11.30 am to1.00 pm and 2.00 pm to 3.30 pm**	**This event will be held at Tiger Complex**
4.10.2022 Tuesday	Reptile expert's Talk and show **(Reptiles Interactive session)**	**11.30 am to 1.00 pm and 2.00 pm to 3.30 pm**	**This special session will be held at open Air Visitor Plaza near main gate.**
5.10.2022 Wednesday	Zoo Keeper's Talk on Elephants	**11.30 am to1.00 pm and 2.00 pm to 3.30 pm**	**This event will be held at Elephant Complex**
6.10.2022 Thursday	Zoo Keeper's Talk on Hyena, Wolves and wild dogs	**11.30 am to 1.00 pm and 2.00 pm to 3.30 pm**	**This event will be held at Hyena Complex**
	Street Play	**11.30amto1.00pm and2.00pmto3.30pm**	**This special play will be held at open Air Visitor Plaza**
7.10.2022 Friday	Zoo Keeper's Talk on Leopards	**11.30 am to 1.00 pm and 2.00 pm to 3.30 pm**	**This event will be held at Leopards Complex**
	Wildlife dedicated poetry session	**11.30 am to 1.00 pm and 2.00 pm to 3.30 pm**	**This special Event will be held at open Air Visitor Plaza**
8.10.2022 Saturday	***Cyclothon "Ride for Wild"***	**6 am to 8 am**	**Started From Mohali (Sohana sahib traffic Light Point) at 6 am and finish at zoo at 7am**
	Zoo Keeper's Talk on Bears	**11.30 am to 1.00 pm and 2.00 pm to 3.30 pm**	**This event will be held at Bears Complex**

	Valedictory Function	**3 pm to 5 pm**	**Closing ceremony, Awards momentous and facilitation Presents etc.**

All of the events were held in accordance with the schedule, and the following details are as follows:

National Wildlife Week 2022 celebrations started on October 2, 2022 with a health-oriented event named ***"Run for the Wild"*** a mini-marathon to create awareness about wildlife conservation was also organized as a special marathon for Para-athletes. A total of 169 participants took part. Ms. Kalpana K. IFS, Zoo Field Director, flagged off this wildlife awareness run. Winners of all categories in the event were awarded prizes and certificates by Sh. Dharminder Sharma, IFS, Chief Wildlife Warden, Punjab, accompanied by Sh. Gobind Bhardwaj, IFS, Deputy Director General of Forests, Regional Office, Chandigarh. The Chhatbir Zoo premises are known for their cleanliness and neatness throughout the country. A special cleanliness drive was initiated by the executive officers along with the hygiene workers of the zoo under "Swatch Bharat Abhiyaan." To keep up the spirit of the workers, the officers took part in the drive.

वाइल्ड लाइफ वीकः छात्रों ने क्विज कंपीटीशन में दिखाई प्रतिभा

जीरकपुर, 3 अक्तूबर (गुरप्रीत) : वाइल्ड लाइफ वीक के दौरान छतबीड़ जू में सोमवार को स्कूलों के छात्रों के लिए विभिन्न प्रतियोगिताओं का आयोजन किया गया, जिसमें 21 स्कूलों के कुल 209 छात्रों ने चित्रकला प्रतियोगिता (जूनियर और मध्यम वर्ग), निबंध लेखन जैसे कार्यक्रमों में भाग लिया। प्रतियोगिताओं में छात्रों ने विभिन्न प्रतियोगिताओं में गहरी रुचि दिखाई। इसके अलावा चिड़ियाघर में स्थित टाइगर कॉम्पलैक्स में जू कीपर का भी आयोजन किया गया। इस विशेष आयोजन में बाघों के चिडिय़ाघर के रखवालों ने पर्यटकों के साथ अपने अनुभव साझा किए। उन्होंने छतबीड़ जू के सभी बाघों के व्यवहार पैटर्न के बारे में भी जानकारी साझा की।

As a part of Wildlife Week Celebration 2022, Chhatbir Zoo conducted on October 3 a variety of competitions for the students from various schools in nearby areas, in which a total of 209 students from 21 schools participated in events like painting competitions (junior and middle category), essay writing competitions (middle and senior category), and a quiz competition. Students showed keen interest in various competitions and made it a successful event.

Apart from the above, a zookeeper's talk on tigers was also conducted at the tiger complex. Tiger zoo keepers shared their experiences with visitors at this special event. They also shared information about the individual and unique behavioural patterns of all the tigers in the Chhatbir Zoo. It becomes more relevant in areas of the country where the tiger population does not exist, such as in the wild areas of Punjab, Haryana, HP, etc. So people in this area were to be specifically made aware of the issue and importance of tiger conservation, and thus the zoo's role becomes all the more important in its conservation. So Tiger Talk played a significant role in creating awareness about tiger conservation. This talk received a great response from the visitors.

On October 4, in continuation of Wildlife Week celebrations in 2022, the Chhatbir Zoo hosted a very special interactive show and learn reptile workshop. This was the most-awaited event. Chhatbir Zoo specially invited Mr. Nikhil Sanger of Nawanshahr for the session. Mr. Nikhil Sanger is an ex-member of the State Wildlife Advisory Board, an ex-honorary wildlife warden of Punjab, and the founder of the NGO Wildlife Conservation Society, Nawanshahr (Reg.). During this event, visitors to the Chhatbir Zoo were given scientific information about snakes, and myths about snakes and other reptiles such as monitor lizards were debunked. Pythons, monitor lizards, and a cobra snake were handled by the experts and shown to the enthusiastic visitors for proper morphological identification. Visitors were also taught about the behavioural patterns of reptiles in cases of human-wildlife conflict in the house and other areas. Proper rescue methods and dos and don'ts were elaborated on by the experts. The public, especially students, showed keen interest and acquired tremendous knowledge for the future as to how to easily rescue the reptiles. The visitors were awed to see these reptiles in these live sessions. If these snakes are sighted in habitat surrounding human habitation, then knowledge regarding dos and don'ts was given in the session.

Beyond that, Chhatbir, in collaboration with the Ashiana NGO of Panchkula, specially invited the talented youngsters from the slum areas of Chandigarh to create awareness among them. Around 30 youngsters participated in the interactive session after the reptile talk. The invited youth also performed power yoga to spread the message to the public about the importance of staying fit and healthy in order to cope with the theme of Wildlife Week: Lifestyle for the Environment. The zoo administration ensured that this expert show was done with all the necessary safety precautions and under all necessary arrangements and technical supervision by the experts in the field.

On the fourth day of Wildlife Week 2022, on October 5, 2022, the zookeeper's talk on elephants was successfully celebrated in front of the Elephant Complex in the M.C. Zoological Park, Chhatbir. Many schools from surrounding rural and urban areas visited and gained knowledge about the elephants. Many visitors are also attracted by mahouts' wonderful speeches on elephant awareness. Elephant mahouts shared their extensive knowledge of the three Asian elephants at the Chhatbir Zoo.


Some school students asked about the human-animal conflict, especially elephants. Trained mahouts frequently shared information about human-animal conflict, such as how it is most common in open jungle areas, particularly in populous elephant states such as the North Eastern Region, where human-animal conflict is most common. Mahouts said that indigenous people who are living in open jungle areas have seen elephants attacking, so to protect people from elephants, people installed electrolyte fencing to mitigate the human-wildlife conflict in their community, but electrolyte fencing is very harmful for elephants. Some animals can die from electric shock. Mahouts also gave tremendous knowledge to school students and visitors about "Train Kills Elephants." He said that in the most populous state, the elephants are killed by the fastest train while crossing the railway line from one place to another. In the last chapter, Mahouts explained that it's time to prevent the elephants from going extinct. So, it's very important for the involvement of local communities and indigenous people in the conservation of elephants, which can help in minimizing not only human-animal conflict but also the conservation of the elephants.

On the fifth day of wildlife week, celebrations were planned for two different events. The first was a zookeeper's talk on canines and a visitor awareness street play, ***"Nukkad Naatak,"***dedicated to wildlife conservation. The zookeeper's talk was scheduled in front of the Wolves and Wild Dogs exhibit. The newly acquired wild dog from Vizag Zoo was the main attraction for the visitors. The zookeeper also talks about hyenas and wolves in this talk. Artists from the art and theatre departments of Chandigarh were called for the street play on the theme of wildlife conservation. They performed "Hum Kahan Jaayen," a street play, in three different locations inside the zoo in front of visitors. This event was praised by visitors very much. The artists of the street play touched the souls of visitors with the characters of wild animals. They spared the message of habitat distraction due to urbanization and development. Street theatre was used to promote sustainable development.


On the sixth day of wildlife celebration week 2022, two events were planned for the ongoing weekly celebration on the sixth day of wildlife celebration week 2022. First was the zookeeper's talk at the leopard complex. Chhatbir Zoo has four exhibits for leopards and one exhibit for jaguars. Visitors were informed about the behaviour and habits of leopards and jaguars. The difference between a leopard and a jaguar and their respective habitats were also explained to the visitors. The importance of the leopard and jaguar in ecosystems as predators in the food web was well explained.

The second event was a dedicated poetry section on the wildlife conducted in the orientation hall of the interpretation center. Ten renowned poets from the Punjab and Haryana were invited to this event. All the poets sang their poems dedicated to the wildlife in a very interesting way. This poetry section was very impressive and amazing.

On October 8, 2022, as part of the ongoing Wildlife Week celebrations, a grand bicycle rally was organized to raise awareness about eco-friendly activities. This bike rally campaign was named ***"Ride for the Wild."***Chhatbir Zoo collaborated with the cycling enthusiasts at "Cyclegiri" for this campaign. The Cyclothon was flagged off from Gurdwara Singh Shaheedan, the Sohana traffic light point, at 5.45 am, and the cyclists reached the zoo at 6:30 am. They also took a ride inside the zoo. The kids were especially thrilled and excited to get the opportunity to ride inside the zoo. More than 200 cyclists from all across the tri-cities participated in the Cyclothon to spread a message of wildlife conservation. Chhatbir Zoo, the field director, and her entire team organized a special interactive session at the Chhatbir Zoo to sensitize the cyclists of the Tri-Cities towards the conservation of wildlife. The theme for National Wildlife Week 2022 is ***"Lifestyle for Environment."***The interaction was based on this theme. One rider among the group was Mr. Amit Sharma,

who cycled a route that makes a thematic pattern on the ground when mapped online. On this occasion of wildlife week, Amit cycled around 55 km on the road to make the "Save Wildlife" route pattern on the road.

20. Seasonal special arrangements for upkeep of animals

Summer care arrangements

M.C. Zoological Park Chhatbir is primarily established with the objective of conservation of rare fauna, education and awareness on wildlife to general public and research on the wildlife behaviour and disease management. The Chhatbir zoo has trained and dedicated manpower for the management of zoo animals. Every year special seasonal care and support is provided to the animals for their better up-keep. Zoo management tries its best to provide hygienic and comfortable environment to keep them stress free. The summer care arrangements being followed in Chhatbir zoo are as given below.

Environmental Care:

Carnivores: Desert coolers and air circulator fans have been provided in the night shelters of all the Tigers, Leopards, Lions, Bears and other feline/canine. Animal management cell is all time vigilant to make sure that the houses and night shelters remain cool and dry. All the windows have been covered with mesh/jali to keep mosquito free environment. The few areas of houses and enclosures also have been shaded with 75% density agro-net which helps to decrease the surrounding temperature. Tankers and tractors are always in standby mode to ensure the uninterrupted supply of water everywhere in the zoo in case of emergency.

Herbivores: Creation of temporary shelter/hut made from khanna (Sacram munja) and wooden logs and bamboo etc. for safety against heat stroke and hard sunlight in all the enclosures of herbivores animals. Muddy shallow pool duly filled with water has been made in elephant enclosure, Manipur deer enclosure, Swamp deer enclosure and Deer safari for volleying and mud bath of animals. Concrete water pool is also being kept full of water round the clock. The few patches in the enclosures also have been covered with agro-net of 75% density for better cool effect.

Birds: All the cages of birds have been covered with agro-net of 75% density and jute mat tightly to save birds from hot air and hard sunlight to save them from heat stroke. The sprinkler showers have been provided to peasantry and small aviary to make the birds more happy and comfy.

Dietary Care:

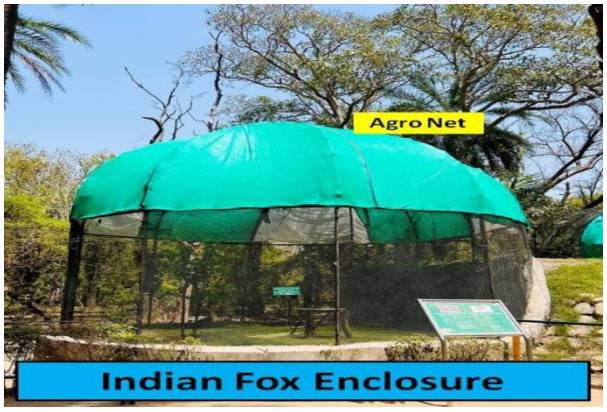
Ice cube (100 kg) to each bear every day during whole of the summer season.

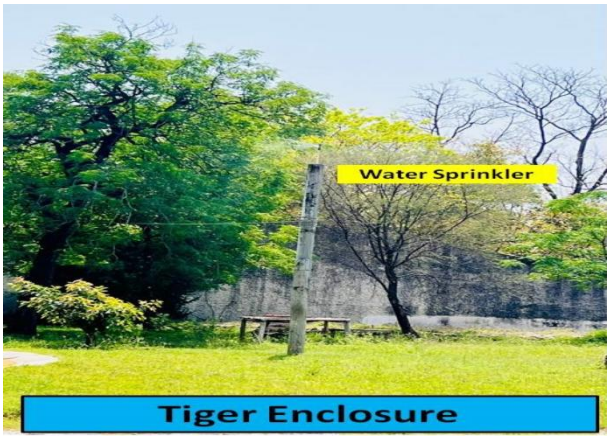
Water-melon is being provided to all the monkeys, bears and elephants.

Glucon-D powder mixed in the drinking water of all the carnivores and omnivores animals.

Banana fruit has been replaced with papaya during summers.

Cabbage leaves has been replaced with spinach leaves for animals and birds during summers.
Radish has been replaced with cucumber for animals and birds during summers.





Winter Care Arrangements

M.C. Zoological park Chhatbir in Punjab State is primarily established with the objective of conservation of rare fauna, (which Consists of various Mammals, Reptiles and Bird species) education and awareness on wildlife to general public and research on the wildlife behaviour and disease management. The state of Punjab is having three major seasons which are summer, winter and monsoon. As, humans protect themselves from these seasonal stress, we also have to protect zoo's animals from these seasonal stress.

All the seasonal care arrangements are being done by Animal Management Range of the zoo, whose trained and dedicated manpower do all the hard work to provide better up keep to animals and to give hygienic and comfortable environment to the animals and to keep them away from seasonal stress.

To avoid the winter stress of the animals following winter care arrangements have been done by the Chhatbir Zoo.

Carnivores: Temperature monitors have been installed in all the night shelters of Tigers, Leopards, Lions and Small Cats to monitor the Temperature. All Temperature readings are being noted by the staff and room heaters and heat converters have been used to maintain the temperature which is best suited to the animals. All the windows and openings have been covered with polythene/Fiber sheets and Sacrum grass thatch to avoid entering chilled wave in their shelters.

Herbivores: To protect herbivores from chilled wave and winter rain temporary shelters/Huts have been made from material like kana, thatch, wooden logs and bamboo etc. with the help of binding wire and ropes. To make these shelters/Huts water proof, the black tharpal has been used in the thatch layers of the roof of these huts/shelters, which prevents animals from winter rain. To give warmth to the animals, the thick layers of paddy straw and wheat husk has been made, which is used by animals as a bedding to keep them warm and cozy. Licking salt has been provided to animals in deer safari.

Birds: To protect the birds from chilled wave and winter Rain, all their enclosures have been tightly covered with polythene sheets, fiber cloth etc. For warm nesting, bedding of paddy straw, wheat straw and rice bran has been provide in their houses. To provide sun light to the birds, a foldable mechanism has been made with polythene sheets. For the enrichment of pheasant cages, the material of grass/paddy/kana has been provided to keep them cozy.

Reptiles: Like Carnivores, Temperature meter have been installed in every house of Reptile house, It is very helpful to monitor the temperature and act accordingly to maintain the temperature. To maintain the temperature in winter, Oil fin heaters have been installed, which are very effective and safe for animals to maintain the temperature. Beside this, wheat husk, dry leaf foliages and heavy blankets have been provided to the animals. Special Reptile basking lamps (Ultra Violet Lamps) have been installed in each house of Reptile to keep them warm.







21. Research Work carried out and publication

SL. NO.	Name of the Researcher	Subject matter of Research	Date and period of research	Name of the institution of the Researcher
1.	Ms. Vaishnavi Sharma	"Film and Research study on Bird Emu"	07-03-2022	RKMV, College, Shimla, HP.
2.	Mr. Harish Kumar	"Collection of fallen feathers"	24-11-2022	IISER Mohali.

22. Animal acquisition / transfer / exchange during the year

Sr. No	EVENT	Animal Name	Ratio	Dated	Remarks
1	Acquisition	Asiatic Black Bear	1:1:0	14.02.2023	Acquired from Renuka Ji Mini Zoo, Renuka ji, Himachal Pradesh under animal exchange program approved by CZA vide letter no- 23-7/2019(Part IV) dated 17.01.2023
2	Acquisition	Himalayan Goral	2:2:0	02.03.2023	Acquired from Dhauladhar Nature Park, Gopalpur, Himachal Pradesh under animal exchange program approved by CZA vide letter no- 23-7/2019(Part V) dated 20.02.2023
3	Acquisition	Sloth Bear	1:1:0	18.03.2023	Acquired from Nehru Zoological Park,

		Golden jackal	2:2:0		Hyderabad, Telangana under animal exchange program approved by CZA vide letter no- 23-7/2019(Part IV) dated 10.01.2023
		Chausinga	1:1:0		
		Mouse Deer	3:3:0		
		Bonnet macaque	1:1:0		
		Sarus Crane	1:1:0		
		White dove	2:3:0		
		Silver Phesant	1:2:0		
		Grey Pelican	1:1:0		
		Marsh Crocodile	2:2:0		
4	Transfer	Himalayan Goral	1:1:0	13.03.2023	Transferred to Nehru Zoological Park, Hyderabad, Telangana under animal exchange program approved by CZA vide letter no- 23-7/2019(Part IV) dated 10.01.2023
		Chinkara	1:2:0		
		Indian Fox	0:1:0		
		Golden Phesant	2:2:0		
		Kalij Phesant	2:2:0		
		Sarus Crane	1:1:0		
		Painted Stork	5:5:0		
		Blossom Headed Parakeet	2:2:0		
		Knob Bolled Duck	5:5:0		
5	Transfer	Black Buck	2:2:0	13.02.2023	Transferred to Renuka Ji Mini Zoo, Renuka ji, Himachal Pradesh under animal exchange program approved by CZA vide letter no- 23-7/2019(Part IV) dated 17.01.2023
		Spotted Deer	2:2:0		
		Hog Deer	2:2:0		

23. Rescue and Rehabilitation of wild animals carried out by the Zoo

Sr. No.	Species	Number	Acquisition by rescue	Date	Remarks
1	Rescue	1:0:0	Blue Bull	26.10.2022	Two Blue Bull fawns were rescued on dated 26.10.2022 and kept under close observation in Blue Bull complex, but male fawn died at 9AM on 27.10.2022.

24. Annual Inventory of animals (2022-2023)
MAHENDRA CHAUDHARY ZOOLOGICAL PARK, CHHATBIR, PUNJAB
INVENTORY OF WILD ANIMALS AND BIRDS BETWEEN 01.04.2022 TO 31.03.2023
SCHEDULE I OF WILDLIFE (PROTECTION ACT, 1972)

Sr. No.	Species	Scientific Name	Position as on 01.04.2022				Birth			Acquisition by Rescue/gift			Acquisition by Transfer			Disposal by Death			Disposal by Transfer			Position as on 31.03.2023			
			M	F	U	Total	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	Total
	BIRDS																								
1	PEAFOWL INDIAN	*Pavo cristatus*	5	3	4	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	4	12
2	PEAFOWL WHITE	*Pavo cristatus*	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3
3	KALEEJ PHEASANT	*Lophura leucomelanos*	4	5	0	9	0	0	5	0	0	0	0	0	0	1	0	0	2	2	0	1	3	5	9
4	HIMALAYAN GRIFFON	*Gyps himalayensis*	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
5	SHIKARA	*Accipiter badius*	1	1	3	5	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	2	4
	Total Birds		**12**	**10**	**8**	**30**	**0**	**0**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**2**	**2**	**0**	**9**	**8**	**12**	**29**
	MAMMALS																								
1	BLACK BUCK	*Antelope cervicapra*	4	11	28	43	0	0	0	0	0	0	0	0	0	2	0	0	2	2	0	0	9	28	37
2	WHITE BUCK	*Antelope cervicapra*	5	6	7	18	0	0	9	0	0	0	0	0	0	2	1	0	0	0	0	3	5	16	24
3	CHINKARA	*Gazella bennetti*	3	3	4	10	0	0	3	0	0	0	0	0	0	0	1	1	1	2	0	2	0	6	8
4	DEER BROW ANTLERED	*Cervus eldi*	1	1	5	7	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	6	6
5	DEER SWAMP	*Cervus duavauceli*	3	5	7	15	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3	5	9	17
6	ELEPHANT INDIAN	*Elephus maximus*	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
7	LEOPARD	*Panthera pardus*	3	2	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	5
8	LIONS INDIAN	*Panthera leo*	3	4	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	0	7

		persica																						
9	TIGER BENGAL	*Panthera tigris tigris*	4	1	0	5	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3	1	0	4
10	FOUR HORNED ANTELOPE	*Tetracerus quadricornis*	0	1	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	2	0	3
11	GAUR (Indian Bison)	*Bos gaurus*	2	2	0	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	5
12	LEOPARD CAT	*Felis bengalensis*	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
13	WHITE TIGER	*Panthera tigris tigris*	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
14	MOUSE DEER	*Tragulus meminna*	0	2	0	2	0	0	0	0	0	0	3	3	0	1	1	0	0	0	0	2	4	0	6
15	OTTER SMOOTH COATED		1	1	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1
16	INDIAN WOLF	*Canis lupus*	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4
17	WILD DOG INDIAN	*Cuon alpinus*	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
18	GORAL	*Nemorhaedus goral*	2	3	0	5	0	0	0	0	0	0	2	2	0	1	0	0	1	1	0	2	4	0	6
	Total		**34**	**51**	**51**	**136**	**0**	**1**	**15**	**0**	**0**	**0**	**6**	**6**	**0**	**9**	**4**	**1**	**4**	**5**	**0**	**27**	**49**	**65**	**141**

MAHENDRA CHAUDHARY ZOOLOGICAL PARK, CHHATBIR, PUNJAB
INVENTORY OF WILD ANIMALS AND BIRDS BETWEEN 01.04.2022 TO 31.03.2023
SCHEDULE I OF WILDLIFE (PROTECTION ACT, 1972)

Sr. No.	Species	Scientific Name	Position as on 01.04.2022				Birth			Acquisition by Rescue/gift			Acquisition by Transfer			Disposal by Death			Disposal by Transfer			Position as on 31.03.2023			
			M	F	U	Total	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	Total
	REPTILES																								
1	GHARIAL	*Gavialis gangeticus*	12	1	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	1	0	13
2	CROCODILE	*Crocodilus palustris*	2	0	0	2	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	4	2	0	6

3	PYTHON (Indian rock)	*Python molurus molurus*	0	0	7	7	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8
4	BENGAL MONITOR LIZARD		0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
5	YELLOW MONITOR LIZARD	*Varanus flavescens*	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
6	INDIAN FLAP SHELL TURTLE	*Lissemys punctata*	0	0	18	18	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	19	19
7	INDIAN SOFT SHELLTURTLE	*Nilssonia gangetica*	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
8	INDIAN ROOFED TURTLE	*Pangshura tecta*	1	3	9	13	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	10	14
9	INDIAN SPOTTED TURTLE	*Geoclemys hamiltonii*	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
	Total		**15**	**4**	**39**	**58**	**0**	**0**	**3**	**0**	**0**	**0**	**2**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**17**	**6**	**42**	**65**

MAHENDRA CHAUDHARY ZOOLOGICAL PARK, CHHATBIR, PUNJAB
INVENTORY OF WILD ANIMALS AND BIRDS BETWEEN 01.04.2022 TO 31.03.2023
SCHEDULE II OF WILDLIFE (PROTECTION ACT, 1972)

Sr. No.	Species	Scientific Name	Position as on 01.04.2022				Birth			Acquisition by Rescue/gift			Acquisition by Transfer			Disposal by Death			Disposal by Transfer			Position as on 31.03.2023			
			M	**F**	**U**	**Total**	**M**	**F**	**U**	**M**	**F**	**U**	**M**	**F**	**U**	**M**	**F**	**U**	**M**	**F**	**U**	**M**	**F**	**U**	**Total**
	MAMMALS																								
1	BEAR HIMALYAN BLACK	*Selenarchos thibetanus*	0	1	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	2	0	3
2	BEAR SLOTH	*Melursus ursinus*	1	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2	1	0	3

3	CIVET	*Paradoxurus hemaphroditus*	1	1	4	6	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	5	7
4	JACKAL	*canis aureus*	1	3	2	6	0	0	2	0	0	0	2	2	0	1	0	0	0	0	2	5	4	11
5	LANGUR COMMON	*Presbyties entellus*	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
6	MACAQUE ASSAMESE	*Macaca assamensis*	9	1	0	10	0	0	2	0	0	0	0	0	0	2	0	0	0	0	7	1	2	10
7	MACAQUE BONNET	*Macaca radiate*	4	2	0	6	0	0	0	0	0	0	1	1	0	0	1	0	0	0	5	2	0	7
8	MACAQUE RHESUS	*Macaca mulatta*	5	5	0	10	0	0	0	0	0	0	0	0	0	1	0	0	0	0	4	5	0	9
9	MACAQUE PIG TAILED	*Macaca enmestrina*	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4
10	JUNGLE CAT	*Felis chaos*	1	1	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	4
11	INDIAN GREY MONGOOSE	*Herpestes edwardsi*	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
12	INDIAN FOX	*Vulpes bengalensis*	2	2	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	2	5
	Total		**28**	**18**	**12**	**58**	**0**	**0**	**5**	**0**	**0**	**0**	**5**	**5**	**0**	**4**	**1**	**0**	**0**	**1**	**0**	**29**	**21**	**17**	**67**
	REPTILES																								
1	COBRA	*Naja naja*	0	0	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
2	RAT SNAKE	*Ptyas mucosa*	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3	3
3	CHECKERED KEELBACK	*Xenochrophis piscator*	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
	Total		**0**	**0**	**12**	**12**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**11**	**11**

MAHENDRA CHAUDHARY ZOOLOGICAL PARK, CHHATBIR, PUNJAB
INVENTORY OF WILD ANIMALS AND BIRDS BETWEEN 01.04.2022 TO 31.03.2023
SCHEDULE III & IV OF WILDLIFE (PROTECTION ACT, 1972)

Sr. No.	Species	Scientific Name	Position as on 01.04.2022				Birth			Acquisition by Rescue/gift			Acquisition by Transfer			Disposal by Death			Disposal by Transfer			Position as on 31.03.2023			
			M	F	U	Total	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	Total
													Birds												
1	CRANE SARUS	*Grus antigone*	4	4	3	11	0	0	1	0	0	0	1	1	0	0	0	0	1	1	0	4	4	4	12
2	DOVE SPOTTED	*Streptopelia chinensis*	5	5	15	25	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	5	5	25	35
3	DUCK SPOT BILL	*Anas poecilorhyncha*	7	6	7	20	0	0	13	0	0	0	0	0	0	1	0	0	0	0	0	6	6	20	32
4	DUCK COMBED (KNOB BILLED DUCK)	*Sarkidiornis melanotos*	2	2	12	16	0	0	8	0	0	0	0	0	0	0	0	0	5	5	0	-3	-3	20	14
5	FOWL RED JUNGLE	*Gallus gallus*	10	15	15	40	0	0	2	0	0	0	0	0	0	6	0	0	0	0	0	4	15	17	36
6	PARAKEET ROSE RINGED	*Psittacula krameri*	20	20	14	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	14	54
7	PARAKEET ALEXANDRINE	*Psittacula eupartria*	10	10	7	27	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	10	10	13	33
8	PARAKEET BLOSSOM HEADED	*Psittacula roseate*	5	5	2	12	0	0	2	0	0	0	0	0	0	0	0	0	2	2	0	3	3	4	10
9	PARTRIDGES GREY	*Francolinus pondicerianeus*	4	4	1	9	0	0	6	0	0	0	0	0	0	1	0	0	0	0	0	3	4	7	14
10	PARTRIDGES	*Francolinus francolinus*	5	5	3	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	3	13

	BLACK																							
11	PELICANS ROSY	*Pelecanus philippensis*	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
12	QUAIL COMMON	*Coturnix coturnix*	2	2	3	7	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	2	2	6	10
13	STORK BLACK NECKED	*Xenorhychus asiaticus*	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
14	STORK PAINTED	*Mycteria leucocephala*	46	46	23	115	0	0	64	0	0	0	0	0	0	0	0	0	5	5	0	41	41	87	169
15	STORK WHITE	*Ciconia ciconia*	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
17	BARN OWL	*Tyto alba*	4	4	0	8	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	2	3	0	5
18	GREAT HORNED OWL(EURASIAN EAGLE OWL)	*Bubo bubo*	2	2	0	4	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	2
19	BLACK KITE	*Milvus migrans*	0	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5
20	WHITE IBIS	*Threskiornis melanocephala*	3	3	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	6
21	WOOLY NECKED STORK	*Ciconia episcopus*	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
22	COMMON MOORHEN	*Gallinula chloropus*	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
23	WHITE BREASTED WATERHEN	*Amaurornis phoenicurus*	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
24	LITTLE EGRET	*Bubulcus ibis*	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
25	INDIAN POND HERON	*Ardeola grayii*	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
26	NIGHT HERON	*Nycticorax nycticorax*	0	0	2	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4

27	LESSER COUCAL	*Centropus bengalensis*	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
28	COMMON MYNA	*Acridotheres tristis*	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
29	JUNGLE BABBLER	*Turdoides striatus*	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
30	WEAVER BIRD	*Polceus philippinus*	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
31	SPOONBILL WHITE(EURASIAN SPOONBILL)	*Platalea leucorodia*	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
32	LESSER WHISTLING TEAL	*Dendrocygna javanica*	8	6	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	6	0	14
33	GREY PELICAN(DALMATIAN PELICAN)	*Dendrocygna javanica*	0	0	6	6	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	1	1	5	7
34	CHUKOR PARTRIDGES	*Alectoris chukar*	5	5	3	13	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	5	5	7	17
35	ROFOUS TREE PIE	*Dendrocitta vagabunda*	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
36	WATER RAIL	*Rallus aquaticus*	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
37	RUDY SHELDUCK	*Tadorna ferruginea*	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
38	GREYLAG GOOSE	*Anser anser*	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
39	PINTAIL	*Anas acuta*	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
	TOTAL		**146**	**146**	**151**	**443**	**0**	**0**	**121**	**0**	**0**	**0**	**2**	**2**	**0**	**11**	**2**	**1**	**13**	**13**	**0**	**124**	**133**	**271**	**528**

MAHENDRA CHAUDHARY ZOOLOGICAL PARK, CHHATBIR, PUNJAB
INVENTORY OF WILD ANIMALS AND BIRDS BETWEEN 01.04.2022 TO 31.03.2023
SCHEDULE III & IV OF WILDLIFE (PROTECTION ACT, 1972)

Sr. No.	Species	Scientific Name	Position as on 01.04.2022				Birth			Acquisition by Rescue/gift			Acquisition by Transfer			Disposal by Death			Disposal by Transfer			Position as on 31.03.2023			
			M	F	U	Total	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	Total
	MAMMALS																								
1	BLUE BULL	*Boselaphus tragocamelus*	0	5	0	5	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	4	0	4
2	DEER BARKING	*Muntiacus muntjak*	9	13	11	33	0	0	4	0	0	0	0	0	0	2	2	0	0	0	0	7	11	15	33
3	DEER HOG	*Axis porcinus*	6	18	17	41	0	0	9	0	0	0	0	0	0	1	1	0	2	2	0	3	15	26	44
4	DEER SAMBAR	*Cervus unicolor*	11	42	67	120	0	0	6	0	0	0	0	0	0	0	2	0	0	0	0	11	40	73	124
2	DEER SPOTTED	*Axis axis*	18	57	159	234	0	0	12	0	0	0	0	0	0	11	4	0	2	2	0	5	51	171	227
6	HYENA	*Hyaena hyaena*	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
7	PORCUPINE	*Hystrix indica*	0	0	40	40	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	35	35
8	WILD BOAR	*Sus scofa*	5	5	3	13	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	5	4	3	12
	TOTAL		**50**	**140**	**297**	**487**	**0**	**0**	**31**	**0**	**0**	**0**	**0**	**0**	**0**	**14**	**11**	**5**	**4**	**4**	**0**	**32**	**125**	**323**	**480**
	REPTILES																								
1	BLACK HEADED ROYAL SNAKE	*Spalerosophis diadema*	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
2	INDIAN STAR TORTOISE	*Geochelone elegans*	0	0	4	4	0	0	3	0	0	0	0	0	0	0	0	2	0	0	0	0	0	5	5
	TOTAL		**0**	**0**	**6**	**6**	**0**	**0**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**7**	**7**

MAHENDRA CHAUDHARY ZOOLOGICAL PARK, CHHATBIR, PUNJAB
INVENTORY OF WILD ANIMALS AND BIRDS BETWEEN 01.04.2022 TO 31.03.2023
SCHEDULE V, VI & OTHERS OF WILDLIFE (PROTECTION ACT, 1972)

Sr. No.	Species	Scientific Name	Position as on 01.04.2022				Birth			Acquisition by Rescue/gift			Acquisition by Transfer			Disposal by Death			Disposal by Transfer			Position as on 31.03.2023			
			M	F	U	Total	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	Total
	MAMMALS																								
1	FRUIT BAT(INDIAN FLYING FOX)	*Pteropus giganteus*	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
	TOTAL		**0**	**0**	**4**	**4**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**4**

MAHENDRA CHAUDHARY ZOOLOGICAL PARK, CHHATBIR, PUNJAB
INVENTORY OF WILD ANIMALS AND BIRDS BETWEEN 01.04.2022 TO 31.03.2023
EXOTIC & OTHERS

Sr. No.	Species	Scientific Name	Position as on 01.04.2022				Birth			Acquisition by Rescue/gift			Acquisition by Transfer			Disposal by Death			Disposal by Transfer			Position as on 31.03.2023			
			M	F	U	Total	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	Total
	OTHER BIRDS																								
1	EMU	*Dromiceius novahollandiae*	8	8	2	18	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	8	8	1	17
2	COCKATOO SULPHUR CRESTED	*Kokatoe galerita*	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
3	COCKTIEL GREY	*Nymphicus hollandicus*	10	10	14	34	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	10	10	19	39
4	BUDGERIGAR	*Melopsittacus undulates*	100	100	10	210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	10	210
5	PHESANT RING NECKED	*Phasianus colchicus*	1	1	0	2	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0

6	PHEASANT GOLDEN	*Chrysolophus pictus*	5	5	0	10	0	0	1	0	0	0	0	0	0	0	0	0	2	2	0	3	3	1	7
7	PHEASANT SILVER	*Lophura nycthemerus*	2	3	0	5	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	3	5	0	8
8	LADY AHMREST PHEASANT	*Chrysolophus amherstiae*	2	1	0	3	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	3
9	ZEBRA FINCHES	*Taeniopygia guttata*	5	5	14	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	14	24
10	BLACK SWAN	*Cygnus atratus*	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4
11	LOVE BIRD	*Agapornis*	2	2	1	5	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	2	2	9	13
12	GEESE COMMON	*Anser gene*	0	0	58	58	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68	68
13	OSTRICH	*Struthio camelus*	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
14	JAWA SPAROW	*Lonchura oryzivora*	6	6	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	0	12
15	DIAMOND DOVE	*Geopelia coneata*	5	5	7	17	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	5	5	6	16
16	BLUE & GOLD MACAW	*Ara ararauna*	1	1	5	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	5	7
17	SUN CONURE	*Aratinga solstitialis*	3	4	0	7	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	1	3	0	4
18	JANDAY CONURE	*Aratinga jandaya*	4	4	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	8
19	PINAPLE CONURE	*Aratinga*	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
20	GREEN CKEECKED CONURE	*Aratinga*	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
21	GALAH COCKATOO	*Eolophus roseicapilla*	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
22	AFRICAN GREY PARROT	*Psittacus erithacus*	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
23	ECLECTUS PARROT	*Eclectus roratus*	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	UMBRELLA COCKATOO	*Cacatua alba*	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0

24	GREEN WINGED MACAW	*Ara chloropterus*	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
25	WHITE DOVE		0	0	0	0	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0	2	3	0	5
	TOTAL		**157**	**159**	**120**	**436**	**0**	**0**	**25**	**0**	**0**	**0**	**3**	**5**	**0**	**4**	**2**	**3**	**2**	**2**	**0**	**154**	**160**	**142**	**456**

MAHENDRA CHAUDHARY ZOOLOGICAL PARK, CHHATBIR, PUNJAB

INVENTORY OF WILD ANIMALS AND BIRDS BETWEEN 01.04.2021 TO 31.03.2022

EXOTIC & OTHERS

Sr. No.	Species	Scientific Name	Position as on 01.04.2022				Birth			Acquisition by Rescue/gift			Acquisition by Transfer			Disposal by Death			Disposal by Transfer			Position as on 31.03.2023			
			M	**F**	**U**	**Total**	**M**	**F**	**U**	**M**	**F**	**U**	**M**	**F**	**U**	**M**	**F**	**U**	**M**	**F**	**U**	**M**	**F**	**U**	**Total**
	OTHER MAMMALS																								
1	HIPPOPOTAMUS	*Hippopotamus amphibus*	1	2	0	3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
2	JAGUAR	*Pantheraonca*	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
3	HAMADRYAS BABBOON SACRED	*Papio hamadryas*	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
4	FOX SQUIRREL	*Sciurus niger*	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	TOTAL MAMMALS		**3**	**3**	**1**	**7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**3**	**2**	**1**	**6**
	OTHER REPTILES																								
1	GREEN IGUANA	*Iguana iguana*	0	1	7	8	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	5	5
2	RED IGUANA	*Iguana iguana*	0	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5
3	RED EAR SLIDER	*Trachemys scripta elegans*	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
	TOTAL		**0**	**1**	**14**	**15**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**0**	**0**	**0**	**0**	**0**	**12**	**12**
128	**TOTAL ANIMALS (Schdule I to VI**		**445**	**532**	**715**	**1692**	**0**	**1**	**208**	**0**	**0**	**0**	**18**	**20**	**0**	**43**	**22**	**16**	**25**	**27**	**0**	**395**	**504**	**907**	**1806**

	& Others/Exotic)																						

MAHENDRA CHAUDHARY ZOOLOGICAL PARK, CHHATBIR, PUNJAB						
Summary of Death Reports M.C.Zoological Park Chhatbir during 01.04.2022 to 31.04.2023						
Sr. No.	**Animal Name**	**Scinctific name**	**Sex**	**No.**	**Date**	**Cause of Death**
1	Spotbill duck	*Cervus unicolor*	Male	1	23.04.2022	Acute respiratory distress
2	Spotted deer	*Gallus gallus*	Male	1	28.04.2022	Acute tymapny
3	Barn Owl	*Antelope cervicapra*	Male	1	01.05.2022	Acute respiratory distress
4	Barn Owl	*Boselaphus tragocamelus*	Male	1	02.05.2022	Air sacculitis
5	Rhesus macaque	*Cervus unicolor*	Male	1	03.05.2022	Senile changes of internal organs
6	Spotted deer	*Paradoxurus hemaphroditus*	Male	1	04.05.2022	Cardio vascular shock due to heat stress
7	Barn Owl	*Antelope cervicapra*	Female	1	06.05.2022	Acute respiratory distress
8	Great horned owl	*Panthera tigris tigris*	Male	1	15.05.2022	Acute respiratory distress
9	Umbrella cocatoo	*Dromiceius novahollandiae*	unk	1	17.05.2022	Hepatic lipidiosis due to hepatic insuffeicency
10	Great horned owl	*Paradoxurus hemaphroditus*	Female	1	21.05.2022	Enteritis
11	Spotted deer	*Lissemys punctata*	Male	1	26.05.2022	Heat stress
12	Barking Deer	*Cervus unicolor*	Male	1	28.05.2022	Acute tymapny
13	White buck	*Muntiacus muntjak*	Male	1	31.05.2022	Internal haemorrhage leading to cardi vascular shock
14	Spotted deer	*Lissemys punctata*	Female	1	07.06.2022	Internal haemorrhage
15	Spotted deer	*Lissemys punctata*	Female	1	17.06.2022	Internal haemorrhage
16	Barking deer	*Tyto alba*	Male	1	19.06.2022	Cardio vascular shock due to stress

17	LEOPARD (Non-Inventorised)	*Panthera pardus*	Male	1	12.07.2022	Pneumonitis and Hepatits
18	DEER SPOTTED	*Axis axis*	Male	1	13.07.2022	Internal Hemorrhage
19	GREY PELICAN	*Dendrocygna javanica*	Unk	1	13.07.2022	Cardiogenic Shock
20	DEER SPOTTED	*Axis axis*	Male	1	21.07.2022	Septicemic Shock
21	DIAMOND DOVE	*Geopelia coneata*	Unk	1	25.07.2022	Acute Respiratory Distress
22	JACKAL	*canis aureus*	Male	1	26.07.2022	Senile Changes of internal organs
23	MACAQUE ASSAMESE	*Macaca assamensis*	Male	1	29.07.2022	Senile Changes of internal organs
24	DEER SPOTTED	*Axis axis*	Male	1	01.08.2022	Internal Hemorrhage
25	MACAQUE ASSAMESE	*Macaca assamensis*	Male	1	01.08.2022	Cardiovascular Shock
26	EMU	*Dromiceius novahollandiae*	Unk	1	09.08.2022	Reespiratory Distress
27	HIPPOPOTAMUS	*Hippopotamus amphibus*	Female	1	14.08.2022	Reespiratory Distress
28	CHINKARA	*Gazella bennetti*	Female	1	28.08.2022	Internal Hemorrhage
29	DEER HOG	*Axis porcinus*	Female	1	01.09.2022	Internal Hemorrhage
30	BLUE BULL	*Boselaphus tragocamelus*	Female	1	12.09.2022	Senile Changes of internal organs
31	DEER HOG	*Axis porcinus*	Male	1	21.09.2022	Internal Hemorrhage
32	FOWL RED JUNGLE	*Gallus gallus*	Male	1	24.09.2022	Cardiovascular Shock
33	BLACK BUCK	*Antelope cervicapra*	Male	1	07.10.2022	Internal hemorrhage
34	SUN CONURE	*Aratinga solstitialis*	Male	1	12.10.2022	Shock due to infighting
35	PARTRIDGES GREY	*Francolinus pondicerianeus*	Male	1	18.10.2022	Pneumonitis
36	WILD BOAR	*Sus scofa*	Female	1	20.10.2022	Internal hemorrhage
37	PORCUPINE	*Hystrix indica*	Unk	1	26.10.2022	Acute respiratory distress
38	PORCUPINE	*Hystrix indica*	Unk	1	27.10.2022	Pneumonitis

39	BLUE BULL(Non-Inventorised)	*Boselaphus tragocamelus*	Male	1	27.10.2022	Shock due to urinary incontinence
40	PORCUPINE	*Hystrix indica*	Unk	1	02.11.2022	Pneumonitis and meningitis
41	PORCUPINE	*Hystrix indica*	Unk	1	02.11.2022	Pneumonitis and meningitis
42	GREEN IGUANA	*Iguana iguana*	Female	1	05.11.2022	Acute respiratory distress
43	PORCUPINE	*Hystrix indica*	Unk	1	07.11.2022	Acute respiratory distress
44	DEER SAMBAR	*Cervus unicolor*	Female	1	08.11.2022	Internal hemorrhage
45	BLACK BUCK	*Antelope cervicapra*	Male	1	10.11.2022	Internal hemorrhage
46	SUN CONURE	*Aratinga solstitialis*	Unk	1	15.11.2022	Shock due to infighting
47	SUN CONURE	*Aratinga solstitialis*	Unk	1	15.11.2022	Intracranial hemorrhage
48	MOUSE DEER	*Tragulus meminna*	Female	1	23.11.2022	Septicaemia and cardiovasucular shock
49	TIGER BENGAL	*Panthera tigris tigris*	Male	1	26.11.2022	Pneumonitis and Hydropericardium leading to respiratory failure
50	RAT SNAKE	*Ptyas mucosa*	Unk	1	29.11.2022	Acute respiratory distress
51	SHIKARA	*Accipiter badius*	Unk	1	30.11.2022	Pneumonitis
52	DEER BROW ANTLERED	*Cervus eldi*	Female	1	01.12.2022	Internal hemorrhage caused due to infighting
53	LADY AHMREST PHEASANT	*Chrysolophus amherstiae*	Male	1	07.12.2022	Hemorrhagic enteritis
54	DEER SPOTTED	*Axis axis*	Male	1	28.12.2022	Internal hemorrhage
55	DEER SPOTTED	*Axis axis*	Male	1	28.12.2022	Internal hemorrhage
56	MACAQUE BONNET	*Macaca radiate*	FEMALE	1	02.01.2023	Senile changes of internal organs
57	GREEN IGUANA	*Iguana iguana*	UNK	1	03.01.2023	Pneumonitis
58	PHEASANT RING NECKED	*Phasianus colchicus*	FEMALE	1	06.01.2023	Acute respiratory distress
59	CHINKARA	*Gazella bennetti*	UNK	1	06.01.2023	Cardiovascular shock
60	DEER SPOTTED	*Axis axis*	MALE	1	06.01.2023	Internal hemorrhage
61	DEER BARKING	*Muntiacus muntjak*	FEMALE	1	08.01.2023	Hepatitis

62	GORAL	*Nemorhaedus goral*	MALE	1	08.01.2023	Pneumonitis
63	DEER SPOTTED	*Axis axis*	FEMALE	1	09.01.2023	Internal hemorrhage
64	OTTER SMOOTH COATED	*Lutrogale perspicillata*	MALE	1	25.01.2023	Tuberculosis
65	GREEN IGUANA	*Iguana iguana*	MALE	1	25.01.2023	Senile changes of internal organs
66	PHEASANT RING NECKED	*Phasianus colchicus*	MALE	1	28.01.2023	Multiple organs failure
67	DEER SPOTTED	*Axis axis*	MALE	1	30.01.2023	Internal hemorrhage
68	DEER BARKING	*Muntiacus muntjak*	FEMALE	1	03.02.2023	Necrotic hepatitis
69	WHITE BUCK	*Antelope cervicapra*	FEMALE	1	08.02.2023	Shock due to dystocia
70	LEOPARD (NON INVENTORISED)	*Panthera pardus*	FEMALE	1	13.02.2023	Hypovolemic shock
71	DEER SPOTTED	*Axis axis*	MALE	1	21.02.2023	Pneumonitis
72	DEER BROW ANTLERED	*Cervus eldi*	MALE	1	24.02.2023	Hemorrhagic shock
73	KALEEJ PHEASANT	*Lophura leucomelanos*	MALE	1	06.03.2023	Shock due to infighting
74	FOWL RED JUNGLE	*Gallus gallus*	MALE	1	10.03.2023	Shock due to infighting
75	FOWL RED JUNGLE	*Gallus gallus*	MALE	1	10.03.2023	Shock due to infighting
76	INDIAN STAR TORTOISE	*Geochelone elegans*	UNK	1	13.03.2023	Acute respiratory distress
77	FOWL RED JUNGLE	*Gallus gallus*	MALE	1	14.03.2023	Senile changes of internal organs
78	WHITE BUCK	*Antelope cervicapra*	MALE	1	15.03.2023	Respiratory distress
79	FOWL RED JUNGLE	*Gallus gallus*	MALE	1	16.03.2023	Traumatic shock

80	FOWL RED JUNGLE	*Gallus gallus*	MALE	1	16.03.2023	Senile changes of internal organs
81	DEER SPOTTED	*Axis axis*	FEMALE	1	17.03.2023	Internal hemorrhage and cardiovascular shock
82	MOUSE DEER	*Tragulus meminna*	MALE	1	25.03.2023	Traumatic shock
83	INDIAN STAR TORTOISE	*Geochelone elegans*	UNK	1	29.03.2023	Hepatic insufficiency

BIRTHS OF LIVE STOCK INVENTORY OF CHHATBIR ZOO BETWEEN 01.04.2022 to 31.03.2023

Sr.No	Animal Name	No.	Event	Date	Remarks
1	Chinkara	1	Bith	08.04.2022	Deer Safari Complex
2	White Buck	1	Bith	10.04.2022	Zebra Complex
3	White Buck	1	Birth	13.04.2022	Wild life hospital
4	White Buck	1	Bith	17.04.2022	Zebra Complex
5	Swamp Deer	1	Birth	23.04.2022	Swamp Deer Complex
6	Manipur deer	1	Birth	27.04.2022	Small deer complex
7	Hog Deer	1	Birth	29.04.2022	Swamp Deer Complex
8	Barking deer	1	Birth	03.05.2022	Small deer complex
9	Hog Deer	1	Birth	10.05.2022	Swamp Deer Complex
10	Civet	1	Birth	12.05.2022	Cat complex
11	Barking deer	1	Bith	13.05.2022	Small deer complex
12	Hog Deer	1	Birth	15.05.2022	Swamp Deer Complex
13	Sambar	1	Birth	15.05.2022	Deer Safari Complex
14	Jackal	2	Birth	18.05.2022	Nocturnal house
15	Sambar	1	Birth	19.05.2022	Deer Safari Complex
16	Sambar	1	Birth	21.05.2022	Deer Safari Complex
17	Kaleej Phesant	1	Birth	01.06.2022	Bird Aviary Complex
18	Kaleej Phesant	1	Birth	02.06.2022	Bird Aviary Complex
19	Kaleej Phesant	1	Birth	03.06.2022	Bird Aviary Complex
20	Golden pheasant	1	Birth	03.06.2022	Bird Aviary Complex

21	Chakur	2	Birth	04.06.2022	Bird Aviary Complex
22	Chakur	2	Birth	06.06.2022	Bird Aviary Complex
23	Cocateal	2	Birth	06.06.2022	Bird Aviary Complex
24	Cocateal	1	Birth	07.06.2022	Bird Aviary Complex
25	Love bird	2	Birth	07.06.2022	Bird Aviary Complex
26	Love bird	1	Birth	09.06.2022	Bird Aviary Complex
27	Alexendrine parakeet	2	Birth	10.06.2022	Bird Aviary Complex
28	Alexendrine parakeet	2	Birth	12.06.2022	Bird Aviary Complex
29	Painted stork	4	Birth	13.06.2022	Bird Aviary Complex
30	Painted stork	2	Birth	15.06.2022	Bird Aviary Complex
31	Painted stork	2	Birth	17.06.2022	Bird Aviary Complex
32	Painted stork	2	Bith	20.06.2022	Bird Aviary Complex
33	Grey partridge	2	Birth	23.06.2022	Bird Aviary Complex
34	Quail Common	1	Birth	02.07.2022	Bird Aviary Complex
35	Duck spot bill	2	Birth	04.07.2022	Bird Aviary Complex
36	White Buck	1	Birth	06.07.2022	Zebra Complex
37	Spotted Deer	1	Birth	10.07.2022	Wild life hospital
38	Partridges Grey	2	Birth	13.07.2022	Bird Aviary Complex
39	Sarus Crane	1	Birth	19.07.2022	Bird Aviary Complex
40	Duck Combed	3	Birth	24.07.2022	Bird Aviary Complex
41	Parakeet Blossom Headed	1	Birth	25.07.2022	Small Bird Aviary
42	Lady Ahmrest	1	Birth	28.07.2022	Bird Aviary Complex
43	Cockteil Grey	2	Birth	29.07.2022	Wild life hospital
44	Quail Common	2	Birth	01.08.2022	Bird Aviary Complex
45	Python	1	Birth	01.08.2022	Blue Bull Complex
46	Love Bird	3	Birth	03.08.2022	Bird Aviary Complex
47	Partridges Grey	1	Birth	05.08.2022	Small Bird Aviary
48	Hog Deer	1	Birth	08.08.2022	Swamp Deer Complex
49	Stork Painted	3	Birth	10.08.2022	Bird Aviary Complex
50	Night heron	2	Birth	14.08.2022	Bird Aviary Complex

51	Deer Sambar	1	Birth	15.08.2022	Deer Safari Complex
52	Parakeet Blossom Headed	1	Birth	17.08.2022	Bird Aviary Complex
53	Stork Painted	1	Birth	18.08.2022	Bird Aviary Complex
54	Spotted Deer	1	Birth	25.08.2022	Deer Safari Complex
55	Hog Deer	1	Birth	30.08.2022	Swamp Deer Complex
56	Spotted Deer	1	Birth	05.09.2022	Deer Safari Complex
57	Chinkra	1	Birth	06.09.2022	Deer Safari Complex
58	Swamp Deer	1	Birth	10.09.2022	Swamp Deer Complex
59	Deer Barking	2	Birth	15.09.2022	Small Deer Complex
60	White Buck	1	Birth	21.09.2022	Emu Complex
61	Spotted Deer	1	Birth	25.09.2022	Deer Safari Complex
62	White Buck	1	Birth	28.09.2022	Wild life hospital
63	Spotted Deer	1	Birth	03.10.2022	Deer Safari Complex
64	Duck spot bill	2	Birth	06.10.2022	Bird Aviary Complex
65	Hog Deer	1	Birth	09.10.2022	Swamp Deer complex
66	White Buck	1	Birth	11.10.2022	Zebra Complex
67	Sambhar	1	Birth	14.10.2022	Deer Safari Complex
68	Spotted Deer	1	Birth	16.10.2022	Deer Safari Complex
69	Indian Star Tortoise	2	Birth	22.10.2022	Wild life hospital
70	Stork Painted	3	Birth	25.10.2022	Bird Aviary Complex
71	Indian Roofed Turtle	1	Birth	28.10.2022	Wild life hospital
72	Duck Combed	3	Birth	30.10.2022	Bird Aviary Complex
73	Stork Painted	4	Birth	03.11.2022	Bird Aviary Complex
74	Spotted Deer	2	Birth	07.11.2022	Deer Safari Complex
75	Hog Deer	1	Birth	12.11.2022	Swamp Deer Copmplex
76	Love Bird	2	Birth	15.11.2022	Bird Aviary Complex
77	Indian Star Tortoise	1	Birth	18.11.2022	Wild life hospital
78	Indian Flap shell Turtle	1	Birth	21.11.2022	Wild life hospital
79	Stork Painted	4	Birth	23.11.2022	Bird Aviary Complex

80	Spotted Deer	1	Birth	25.11.2022	Deer Safari Complex
81	Kaleej Phesant	2	Birth	27.11.2022	Phesantry
82	Hog Deer	1	Birth	28.11.2022	Swamp Deer Copmplex
83	Duck spot bill	2	Birth	30.11.2022	Bird Aviary Complex
84	Duck Combed	2	Birth	01.12.2022	Bird Aviary Complex
85	Patridge Grey	1	Birth	05.12.2022	Small Bird Aviary
86	Dove Spotted	2	Birth	10.12.2022	Bird Aviary Complex
87	Stork Painted	3	Birth	13.12.2022	Bird Aviary Complex
88	Spotted Deer	1	Birth	16.12.2022	Deer Safari Complex
89	Alexendrian Parakeet	2	Birth	19.12.2022	Small Bird Aviary
90	Red Jugle Fowl	2	Birth	23.12.2022	Phesantry
91	Stork Painted	3	Birth	26.12.2022	Bird Aviary Complex
92	Spotted Deer	2	Birth	28.12.2022	Deer Safari Complex
93	Stork Painted	3	Birth	30.12.2022	Bird Aviary Complex
94	Duck spot bill	2	Birth	04.01.2023	Walk In Aviary
95	Spotted Deer	2	Birth	07.01.2023	Deer Safari
96	Geese Common	2	Birth	11.01.2023	Blue Bull Complex
97	Stork Painted	2	Birth	17.01.2023	Walk In Aviary
98	Macaque Assemesse	1	Birth	21.01.2023	Monkey Complex
99	Deer Sambar	1	Birth	26.01.2023	Deer Safari
100	Spotted Deer	2	Birth	28.01.2023	Deer Safari
101	Stork Painted	2	Birth	31.01.2023	Walk In Aviary
102	Deer Hog	1	Birth	03.02.2023	Swamp Deer Complex
103	Duck spot bill	2	Birth	10.02.2023	Walk In Aviary
104	Geese Common	3	Birth	13.02.2023	Blue Bull Complex
105	Gaur (Indian Bison)	1	Birth	16.02.2023	Swamp Deer Complex
106	Stork Painted	3	Birth	17.02.2023	Walk In Aviary
107	White Buck	1	Birth	20.02.203	Emu Complex
108	Stork Painted	3	Birth	23.02.2023	Walk In Aviary
109	Spotted Deer	2	Birth	25.02.2023	Deer Safari

110	Stork Painted	4	Birth	26.02.2023	Walk In Aviary
111	Geese Common	3	Birth	28.02.2023	Blue Bull Complex
112	Stork Painted	3	Birth	05.03.2023	Walk In Aviary
113	Macaque Assemesse	1	Birth	07.03.2023	Monkey Complex
114	Spotted Deer	2	Birth	13.03.2023	Deer Safari
115	Chinkra	1	Birth	16.03.2023	Deer Safari
116	Duck spot bill	1	Birth	18.03.2023	Walk In Aviary
117	Stork Painted	4	Birth	19.03.2023	Walk In Aviary
118	White Buck	1	Birth	21.03.2023	Zebra Complex
119	Stork Painted	4	Birth	23.03.2023	Walk In Aviary
120	Duck spot bill	2	Birth	25.03.2023	Walk In Aviary
121	Stork Painted	3	Birth	26.03.2023	Walk In Aviary
122	Geese Common	2	Birth	28.03.2023	Blue Bull Complex
123	Stork Painted	2	Birth	30.03.2023	Walk In Aviary
	TOTAL	**209**			

25. Mortality of animals

Sr. No.	Animal Name	Sex	No.	Date	Cause of Death
1	Spot bill duck	Male	1	23.04.2022	Acute respiratory distress
2	Spotted deer	Male	1	28.04.2022	Acute tymapny
3	Barn Owl	Male	1	01.05.2022	Acute respiratory distress
4	Barn Owl	Male	1	02.05.2022	Air sacculitis
5	Rhesus macaque	Male	1	03.05.2022	Senile changes of internal organs
6	Spotted deer	Male	1	04.05.2022	Cardio vascular shock due to heat stress
7	Barn Owl	Female	1	06.05.2022	Acute respiratory distress
8	Great horned owl	Male	1	15.05.2022	Acute respiratory distress
9	Umbrella cockatoo	Unk	1	17.05.2022	Hepatic lipidiosis due to hepatic insufficiency

10	Great horned owl	Female	1	21.05.2022	Enteritis
11	Spotted deer	Male	1	26.05.2022	Heat stress
12	Barking Deer	Male	1	28.05.2022	Acute tymapny
13	White buck	Male	1	31.05.2022	Internal hemorrhage leading to cardio vascular shock
14	Spotted deer	Female	1	07.06.2022	Internal hemorrhage
15	Spotted deer	Female	1	17.06.2022	Internal hemorrhage
16	Barking deer	Male	1	19.06.2022	Cardio vascular shock due to stress
17	LEOPARD (Non-Inventoried)	Male	1	12.07.2022	Pneumonitis and Hepatitis
18	DEER SPOTTED	Male	1	13.07.2022	Internal Hemorrhage
19	GREY PELICAN	Unk	1	13.07.2022	Cardiogenic Shock
20	DEER SPOTTED	Male	1	21.07.2022	Septicemia Shock
21	DIAMOND DOVE	Unk	1	25.07.2022	Acute Respiratory Distress
22	JACKAL	Male	1	26.07.2022	Senile Changes of internal organs
23	MACAQUE ASSAMESE	Male	1	29.07.2022	Senile Changes of internal organs
24	DEER SPOTTED	Male	1	01.08.2022	Internal Hemorrhage
25	MACAQUE ASSAMESE	Male	1	01.08.2022	Cardiovascular Shock
26	EMU	Unk	1	09.08.2022	Respiratory Distress
27	HIPPOPOTAMUS	Female	1	14.08.2022	Respiratory Distress
28	CHINKARA	Female	1	28.08.2022	Internal Hemorrhage
29	DEER HOG	Female	1	01.09.2022	Internal Hemorrhage
30	BLUE BULL	Female	1	12.09.2022	Senile Changes of internal organs
31	DEER HOG	Male	1	21.09.2022	Internal Hemorrhage
32	FOWL RED JUNGLE	Male	1	24.09.2022	Cardiovascular Shock
33	BLACK BUCK	Male	1	07.10.2022	Internal hemorrhage
34	SUN CONURE	Male	1	12.10.2022	Shock due to infighting
35	PARTRIDGES GREY	Male	1	18.10.2022	Pneumonitis
36	WILD BOAR	Female	1	20.10.2022	Internal hemorrhage
37	PORCUPINE	Unk	1	26.10.2022	Acute respiratory distress
38	PORCUPINE	Unk	1	27.10.2022	Pneumonitis
39	BLUE BULL(Non-Inventoried)	Male	1	27.10.2022	Shock due to urinary incontinence
40	PORCUPINE	Unk	1	02.11.2022	Pneumonitis and meningitis

41	PORCUPINE	Unk	1	02.11.2022	Pneumonitis and meningitis
42	GREEN IGUANA	Female	1	05.11.2022	Acute respiratory distress
43	PORCUPINE	Unk	1	07.11.2022	Acute respiratory distress
44	DEER SAMBAR	Female	1	08.11.2022	Internal hemorrhage
45	BLACK BUCK	Male	1	10.11.2022	Internal hemorrhage
46	SUN CONURE	Unk	1	15.11.2022	Shock due to infighting
47	SUN CONURE	Unk	1	15.11.2022	Intracranial hemorrhage
48	MOUSE DEER	Female	1	23.11.2022	Septicaemia and cardiovasucular shock
49	TIGER BENGAL	Male	1	26.11.2022	Pneumonitis and Hydropericardium leading to respiratory failure
50	RAT SNAKE	Unk	1	29.11.2022	Acute respiratory distress
51	SHIKARA	Unk	1	30.11.2022	Pneumonitis
52	DEER BROW ANTLERED	Female	1	01.12.2022	Internal hemorrhage caused due to infighting
53	LADY AHMREST PHEASANT	Male	1	07.12.2022	Hemorrhagic enteritis
54	DEER SPOTTED	Male	1	28.12.2022	Internal hemorrhage
55	DEER SPOTTED	Male	1	28.12.2022	Internal hemorrhage
56	MACAQUE BONNET	FEMALE	1	02.01.2023	Senile changes of internal organs
57	GREEN IGUANA	UNK	1	03.01.2023	Pneumonitis
58	PHEASANT RING NECKED	FEMALE	1	06.01.2023	Acute respiratory distress
59	CHINKARA	UNK	1	06.01.2023	Cardiovascular shock
60	DEER SPOTTED	MALE	1	06.01.2023	Internal hemorrhage
61	DEER BARKING	FEMALE	1	08.01.2023	Hepatitis
62	GORAL	MALE	1	08.01.2023	Pneumonitis
63	DEER SPOTTED	FEMALE	1	09.01.2023	Internal hemorrhage
64	OTTER SMOOTH COATED	MALE	1	25.01.2023	Tuberculosis
65	GREEN IGUANA	MALE	1	25.01.2023	Senile changes of internal organs
66	PHEASANT RING NECKED	MALE	1	28.01.2023	Multiple organs failure
67	DEER SPOTTED	MALE	1	30.01.2023	Internal hemorrhage
68	DEER BARKING	FEMALE	1	03.02.2023	Necrotic hepatitis
69	WHITE BUCK	FEMALE	1	08.02.2023	Shock due to dystocia
70	LEOPARD (NON INVENTORISED)	FEMALE	1	13.02.2023	Hypovolemic shock
71	DEER SPOTTED	MALE	1	21.02.2023	Pneumonitis

72	DEER BROW ANTLERED	MALE	1	24.02.2023	Hemorrhagic shock
73	KALEEJ PHEASANT	MALE	1	06.03.2023	Shock due to infighting
74	FOWL RED JUNGLE	MALE	1	10.03.2023	Shock due to infighting
75	FOWL RED JUNGLE	MALE	1	10.03.2023	Shock due to infighting
76	INDIAN STAR TORTOISE	UNK	1	13.03.2023	Acute respiratory distress
77	FOWL RED JUNGLE	MALE	1	14.03.2023	Senile changes of internal organs
78	WHITE BUCK	MALE	1	15.03.2023	Respiratory distress
79	FOWL RED JUNGLE	MALE	1	16.03.2023	Traumatic shock
80	FOWL RED JUNGLE	MALE	1	16.03.2023	Senile changes of internal organs
81	DEER SPOTTED	FEMALE	1	17.03.2023	Internal hemorrhage and cardiovascular shock
82	MOUSE DEER	MALE	1	25.03.2023	Traumatic shock
83	INDIAN STAR TORTOISE	UNK	1	29.03.2023	Hepatic insufficiency

26. Status of the compliance with condition stipulated by the Central Zoo Authority

Sr. No.	Norm No. under RZR	Condition	Time period to comply	Time period to comply
	1. General requirements:			
1	10.1(7)	The Zoo should not allow its sewage affecting the surroundings of the zoo. To prevent such a situation, it should have appropriately designed sewage treatment plant.	One year	The component of relaying of new sewerage system along with a state-of-the-art STP and Water supply network has already been approved by the State Government and the funds has been transferred to the Department of Water Supply and Sanitation (Govt. of Punjab).The concerned department has initiated the tender process.
	2. Administrative and staffing pattern:			
2	10.2(2)	The zoo should have at least two independent full-time veterinarians. Zoo Education Officer also required to be engaged within one year.	One year	M.C. Zoological Park Chhatbir has 2 posts of Veterinary Officer in its approved state cadre. One Veterinarian has been appointed for Chhatbir Zoo on deputation basis from the Department of Animal Husbandry. Regular correspondence with respect to appointing one more veterinarian is being done. The Range Officer-1 has been deputed with additional charge of zoo education officer who is executing the Zoo education programme regularly and efficiently.
	3. Development and Planning:			
3	10.3 (3) & 10.4 (2)	Zoo has large number of Panther enclosures. Most of these enclosures should be done away with. The zoo should construct an appropriately designed open top exchange with capacity of 6-10 enclosures. Rest of the Panthers should go to off the display area to be developed as Rescue Centre.	Two years	According to the approved master layout plan (***Taxonomy-thematic display***), the whole leopard complex will be relocated to another location inside the animal display zone . This project will be incorporated in the next developmental plan of Chhatbir Zoo and will be implemented subject to the availability of funds.
4	10.3 (7)	A Separate rescue centre outside the zoo premises should be planned and constructed within two years	Two years	A separate rescue centre has already been approved in the Master plan and layout plan. The proposal for the same has been submitted to CZA for funding under APO for financial assistance during 2019-2020 and 2020-2021 respectively. The proposal was also submitted under PUN-CAMPA for the year 2022-2023. The rescue center will be developed subject to the availability of funds.
	4. Animal housing, display of animals and animal enclosures:			
5	10.4 (2)	Tiger and Lion enclosures should have appropriately designed kraals	One year	2 big kraals for the lions have been developed as per guidelines. The kraals for the tiger exhibits will be developed during 2024-2025 subject to the availability of funds.
6	10.4 (3)	Since the Eucalyptus trees in the zoo are quite old and leaning, some trees are also looking	Two years	The process of identification and removal of dangerous trees has already been initiated and is under process.

		diseased and they are potential threat to the visitors as well as to the animals residing inside the zoo and also other existing infrastructure. So, in the interest of public safety and safety of the animals and infrastructure of the zoo, sanitation felling of such trees should be taken up in phased manner.		
7	10.4 (2)	Old cadge type primate enclosures should be demolished and adequate number of well designed open top enclosures should be constructed.	Two years	According to approved master layout plan (***Taxonomy-thematic display***) the whole primates cages will be demolished and new exhibits will be constructed as per the approved master plan. This will be executed subject to the availability of funds.
8	10.4 (2)	Zoo should have as appropriately designed carnivore safari with a minimum area of 20 hectares. This would involve doing away the herbivore safari.	Two years	The possibility to expand the area of lion safari from 10 ha to 20 ha was explored by merging the present lion safari with the forest area, i.e extension of safaris as per the master plan already approved by CZA. It required an expenditure of rupees 9-10 cr. whose allocation is being requested from the Government for undertaking this exercise.
9	10.4 (10)	Nocturnal house should be properly furnished with requisite signage and fittings to make it educative and functional	One year	The funds for essential repair of nocturnal house has been approved and work will be taken up within this financial year.
	5. Upkeep and healthcare of animals:			
10	10.5 (2)	The zoo should have appropriately designed water storage tank	Two years	The component of relaying of new sewerage system along with a state-of-the-art STP and Water supply network has already been approved by the State Government and the funds has already been transferred to the Department of Water Supply and Sanitation (Govt. of Punjab). The concerned department has initiated the tender process.
11	10.5 (4)	Ungulate enclosures should have appropriately designed feeding cells and kraals.	One year	Appropriately designed feeding cells and kraals have been made for Barking deer, Goral, Manipur deer, Hog deer, Swamp deer, Black buck and spotted deer.
	6. Veterinary and infrastructure facilities:			
12	10.6 (6)	The zoo should have a MoU with the Centre of Wildlife Sciences, Ludhiana on veterinary diagnosis and veterinary research.	One year	The draft MoU has been formulated and process has been initiated and sent to the competent authority for further necessary action.
13	10.6 (6)	Agreed with the comments. Regular training should be arranged for the Vets and Para-vets including the technical staff once in six months interval to upgrade their skill and capacity development.	Three months	This observation has been complied. Regular trainings and exposure is being given for Zoo Veterinarian and other technical staff. In-house training has also been conducted, in which the other zoos in Punjab and wildlife field staff have participated.
	9. Acquisition and breeding of animals:			
	10.9 (4)	Mates should be arranged for	One year	Swan has been paired. A mate for Jaguar is

		single jaguar, Swan and Fallow deer.		being explored with other Zoos.

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

Mammals		
S.No	**English Name**	**Scientific Name**
1	Sambar	*Cerves uicolor*
2	Jackal	*canis aureus*
3	Porcupine	*Hystrix indica*
4	Hare	*Lepus nigricollis*

Birds		
S.No	**Common Name**	**Scientific Name**
1	Black Kite	*Milvus migrans*
2	White Breasted Hen	*Amaurornis phoenicurus*
3	Moorhen	*Gallinula*
4	Himalayan Bulbul	*Pycnonotus leucogenys*
5	Jungle Babbler	*Turdoides striata*
6	Grey Headed Warbler	*Basileuterus griseiceps*
7	Common Teal	*Anas crecca*
8	Oriental White Eye	*Zosterops palpebrosus*
9	White Throated Fantail	*Rhipidura albicollis*
10	Black Drongo	*Dicrurus macrocercus*
11	Brown Headed Barbet	*Megalaima zeylanica*
12	Indian Peafowl	*Pavo cristatus*
13	Eurasian thick-knee	*Burhinus oedicnemus*
14	Greater Tit	*Parus major*
15	Grey Headed Canary Flycatcher	*Culicicapa ceylonensis*
16	White Wagtail	*Motacilla alba*
17	Grey Wagtail	*Motacilla cinerea*
18	Red Breasted Flycatcher	*Ficedula parva*
19	Asian Brown Flycatcher	*Muscicapa latirostris*
20	Common Sandpiper	*Actitis hypoleucos*
21	Alexander Parakeet	*Psittacula eupatria*
22	Little Grebe or Dabchick	Podiceps ruficollis
23	Large Cormorant	Phalacrocorax carbo
24	Little Cormorant	*Phalacrocorax niger*
25	Darter or snake bird	*Anhinga rufa*
26	Grey heron	*Ardea cinerea*
27	Purple heron	*Ardea purpurea*
28	Indian Pond heron or Paddy bird	*Ardeola grayii*
29	Cattle egret	*Babulcus ibis*
30	Large egret	*Egretta alba*

31	Smaller or Median egret	Egretta
32	Little egret	*Egretta garzetta*
33	Night heron	*Nycticorax nycticorax*
34	Painted stork	*Mycteria leucocephalus*
35	White necked stork	*Ciconia episcopus*
36	Ruddy shell duck or Brahminy duck	*Tadorna ferruginea*
37	Pintail	Anas acuta
38	Common teal	*Anas Crecca*
39	Spot bill duck	*Anas poecilorhycha*
40	Mallard	*Anas platyrhynchos*
41	Gadwall	*Anas Penelope*
42	Shoveller	*Anas clypeata*
43	Common Pochard	*Aythya ferina*
44	Nakta or Comb Duck	*Sarkidiornis melanotos*
45	Black winged Kite	*Elanus careruleus*
46	Crested honey buzzard	*Pernis Ptilorhynchus*
47	Pariah Kite	Milvus migrans
48	Shikra	*Accipiter badius*
49	Asiatic Sparrow Hawk	*Accipiter nisus*
50	Greater spotted eagle	*Aquila clanga*
51	Lesser spotted eagle	*Aquila pomarina*
52	Marsh harrier	*Circus aeruginosus*
53	Crested serpent eagle	*Spilorins cheela*
54	Black partridge	*Francolinus francotinus*
55	Grey partridge	*Francolinus pondicerianus*
56	Grey quail	*Coturnix coturnix*
57	Jungle bush quail	*Perdicula asiatica*
58	Indian Pea Fowl	Pavo cristatus
59	Little bustard quail	Turnix sylvatica
60	Indian bustard quail	*Turnix suscitator*
61	Demoiselle crane	*Anthropoides virgo*
62	Ruddy crake	*Porzana fusca*
63	Moorhen	*Gallinula chloropus*
64	Coot	*Fulica atra*
65	White tailed lapwing	*Vanellus leucurus*
66	Red wattle lapwing	*Vanellus indicus*
67	Black winged stilt	*Himantopus himantopus*
68	Green Pigeon	*Treron phoenicoptera*
69	Blue rock pigeon	*Columba livia*
70	Rufous turtle dove	*Streptopelia orientalis*

71	Ring dove	*Streptopelia decapcto*
72	Spotted dove	*Streptopelia chinensis*
73	Rose ringed parakeet	*Psittacula eupatria*
74	Blossom headed parakeet	*Psittacula cyanocephala*
75	Pied crested cuckoo	*Clamator jacobinus*
76	Indian cuckoo	*Cuculus micropterus*
77	Koel	*Eudynamys scolopacea*
78	Coucal or crow pheasant	Centropus Sinensis Sinensis
79	Barn owl	*Tyto alba*
80	Collared scoops owl	*Otus bakkamoena*
81	Great horned or Eagle owl	*Bubo bubo*
82	Dusky horned owl	Bubo coromadus
83	Brown fish owl	*Bubo Zeylonensis*
84	Spotted owlet	*Athene brama*
85	Indian Jungle night jar	Caprimulgus indicus
86	House swift	Apus affinis
87	Palm swift	*Cypsiurus parvus*
88	Small blue kingfisher	*Alcedo atthis*
89	Blue tailed bee eater	*Merops philipppinus*
90	Small green bee-eater	*Merops orientalis*
91	Hoopoe	*Upupa epops*
92	Grey hornbill	*Tockus birostris*
93	Large green barbet	*Megalaima zeylanica*
94	Lesser golden backed woodpecker	*Dinopium benghalense*
95	Golden oriole	*Oriolus oriolus*
96	Black drongo or king crow	*Dicrurus adsimilis*
97	Black headed or Brahminy myna	*Sturnus pagodarum*
98	Common myna	*Acridotheres tristis*
99	Bank myna	*Acridotheres ginginianus*
100	Tree pie	*Dendrccitta vagabunda*
101	House crow	*Corvus splendens*
102	Jungle Crow	*Corvus macrorhynchos*
103	Red vented bubul	*Pycnonotus cafer*
104	Rufous bellied babbler	*Dumetia hyperythra*
105	Yellow eyed babbler	*Chrysomma sinense*
106	Brown flycatcher	*Muscicapa latirostris*
107	Paradise flycatcher	*Terpsiphone paradisi*
108	Yellow bellied wren warbler	*Prinia flaviventris*
109	Tailor bird	*Orthotomus sutorius*
110	Magpie robin	*Copsychus salularis*

111	River chat/white capped redstart	*Chaimarrornis leucocephalus*
112	Indian robin	*Saxicoloides fulicata*
113	Tree creeper	*Certhia himalayana*
114	Purple sunbird	*Nectarinia asiatica*
115	House sparrow	*Passer hispaniolensis*
116	Baiya weaver bird	*Ploceus philippinus*
117	Black throated weaver bird	*Ploceus benghalensis*
118	Red munia or Avadavat	*Estrilda amandava*
119	White throated munia	*Lochura malabarica*
120	Spotted munia	*Lochura punctulata*
121	Crested bunting	*Melophus lathami*

Reptiles

S. No	**English Name**	**Scientific Name**
1	Python (Indian rock)	*Python molurus molurus*
2	Bengal Monitor Lizard	*Varanus bengalensis*
3	Indian Flap shell turtle	*Lissemys punctata*
4	Cobra	*Naja naja*
5	Rat Snake	*Ptyas mucosa*
6	Russel's wiper	*Daboia russelii*
7	Red Sand boa	*Eyrx johni*
8	Checkered keel back	*Xenochrophis piscator*
9	Common krait	*Bungarus caeruleus*