

ETAWAH SAFARI PARK

ETAWAH

Annual Report for the year
2022-2023



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1. Report of the Officer-in-charge

Etawah Safari Park, Etawah, located in Distt. Etawah of Uttar Pradesh spreads over 350 hectares area of Fisher Forest block, of Social Forestry Division, Etawah and is only safari present in State of Uttar Pradesh. Entire area is secured by 7800 mtrs long buffer boundary wall and is having variety of flora and fauna. The park caters about 225 species of birds, 17 species of mammals and 10 species of reptiles. Etawah Safari Park is categorized as Asiatic Lion Breeding Centre and Multiple Safari Park.

Asiatic Lion Breeding Centre is established in an area of 2 hectares for the ex-situ conservation of Asiatic lions population through planned breeding, display as well as exchange and rehabilitation. This breeding center started after procuring pure breed Asiatic lions from Sakkarbaug, Rajkot and Hyderabad Zoo. The Asiatic lions from wild and zoo bred origin are being used as founder population to ensure genetic diversity and heterozygosity. Presently, there are 16 adult Asiatic lion (7:9) and one cubs (1:0). For successful conservation breeding program, there is an immense need of some potential breeding stock. A demand for 02 males & 03 female Asiatic lions is under consideration by Gujrat state government.

Multiple Safari Park comprises of five safaris i.e Lion Safari (50ha), Bear Safari (21ha), Deer Safari (31ha), Antelope Safari (30ha) and Leopard Safari (21ha).

- Lion Safari is functioning as per guidelines laid down by CZA.
- Deer Safari, Antelope Safari and Bear Safari are complete in all respects and open for visitors wherein Free ranging Cheetal, Sambhar, Black Buck and Sloth Bear present in their respective safaries.
- Some part of Leopard safari was damaged due to cyclone in the month of May-2018. This safari will be open for public after completion of required structural repairs.
- A Eco Tourism Centre is equipped with modern facilities having Multimedia sound reinforcement system, Public Address System and sound effects has been created in 5.0 hectare area. This center is an example of world class sculpture theme by Mr. Frank Vidal, a world renowned architect from Spain and includes Digital Signage, large format displays, 4D education theatre for visitors, Wi-Fi network & CCTV surveillance for the area. Entire campus of the safari park is full of lush greenery an abode for floral and faunal diversity. Facilitation Center is open for visitors.

Etawah safari park is a showcase of its state of art facilities with nature's beauty for the visitors, nature lovers and wildlifes.

2. History of the Zoo

The Lion Breeding Center & Multiple Safari Park is located in the historical “**Fisher Forests**” located on the Etawah-Gwalior Road, about 5 kms from Etawah town. In 1884, the erstwhile District Magistrate of Etawah, Mr. J.F. Fisher was able to convince the *Zamindars* of the area to voluntarily hand over the ravine area of 1146.07 ha to the District Magistrate so that it could be saved from further erosion and degradation. Accordingly, the area was ploughed and seeds of Babool (*Acacia nilotica*), Shisham (*Dalbergia sissoo*), and Neem (*Azadirachta indica*) were sown and the area was closed for grazing.

The growth of babool was so encouraging that in 1912, Allen Cooper Company of Kanpur was attracted to take the entire land at a lease rent of Rs. 2.50 per hectare per year for a period of 50 years. This company commercially exploited and extended the Fisher Forests till the year 1914. Thereafter, the company handed over the lease to the Forest Department with a liability of Rs. 2,500 as the cost of the lease and Rs. 2,382 lease rent to be paid to the *zamindars* annually. In this way, these forests have been under the control of the Forest Department since 1914.

Two kinds of activities were undertaken by the Forest Department in the following years; firstly, construction of check dams to prevent soil erosion and secondly, plantation and seed sowing of appropriate species. In course of time, broad leaved forests were established in the area. However, due to high biotic pressure, the broad leaved species gradually deteriorated, and eventually the area ended up being severely eroded and degraded. In the year 1985 and subsequent few years, broadcast sowing of *Prosopis juliflora* was undertaken. As a result, the density of *P. juliflora* increased and the area was converted into a *P. juliflora* forest with sporadic occurrence of other species.

The Asiatic Lion (*Panthera leo persica*) which once roamed and reigned all over northern, western and central Indian forests (from Hindukush to Bay of Bengal and up to Narmada river). The historical records indicate that in northern India, the last area, held by the migrating lion was the forests in Yamuna river catchment until medieval times as the Mughal emperors shot lion in Shivalik foot hill forests (now Saharanpur forest division) and Aravali ridge forests around Delhi. As per imperial gazetteer of India (United Provinces of Agra and Awadh vol 1-1908) the last specimen of lion was killed at Sheorajpur in Allahabad now Prayagraj district in 1864. While Shivalik foothills were occupied by Tigers because the habitat there remained conducive but down below as human population grew, man-animal conflict increased and entire prides of lions were wiped out, coupled with depleting prey base and habitat loss, only a small population of Asiatic lion remained in the wild, at Gir Forests of Gujrat in Kathiawar area.

From conservation point of view, the establishment of Lion Safari will serve the dual purpose of making it a breeding centre for Asiatic lion as well as replicating a wild population of the by gone era in its former range of habitat, though in captivity but nearly free.

In the meantime, in the year 1992, the Govt. of India constituted the Central Zoo Authority (CZA) to regulate construction, maintenance, and up-keeping of animals etc in zoos and safari parks, for which, it framed rules and guidelines. Therefore, in order to seek mandatory approval from CZA, a Concept Plan of Lion Safari Park justifying its necessity, underlying its regular proper maintenance was prepared and submitted to CZA. The CZA approved the plan as Lion Breeding Centre cum Lion Safari Park, after obtaining CZA's approval in-principle.

3. Vision

- To establish an international standard *ex-situ* Lion Breeding Centre to augment the captive Asiatic Lion population of the country.
- Support conservation awareness through establishment of Lion Safari along with other species like Leopard, Antelope, Deer and Sloth bear.

4. Mission

- (i) To create facilities for captive breeding of Asiatic Lion to supplement the captive lion population within the state as well as the country.
- (ii) To create awareness and sensitivity towards the cause of conservation of Asiatic Lion (*Panthera leo persica*) by displaying Lion and other species in a near natural habitat and furthering it through audio-visual and interactive media provided in an interpretation centre.
- (iii) To create a theme based eco-awareness facility for local people and visitors.

5. Objective

The Lion Breeding Centre and Multiple Safari Park would be able to achieve the following objectives:

- (a) To create facilities of international standards for *ex-situ* breeding of Asiatic Lion.
- (b) To create a facility for public display of the species in its near natural habitat.
- (c) To create a facility for public display of the other species Leopard, Antelope, Deer and Sloth bear in its near natural habitat.
- (d) To create an environment for safe upkeep and maintenance of the population thus created.

- (e) To create high standard eco-awareness facilities including an interpretation centre and ancillary facilities (library, wildlife movie theatre etc.) to promote conservation awareness of the species.

6. About us

S.No.	Particulars	Information
Basic Information about the Zoo		
1	Name of the Zoo	LION BREEDING CENTRE AND MULTIPLE SAFARI PARK, ETAWAH
2	Year of Establishment	2012-13
3	Address of the Zoo	Etawah-Gwalior Road, Etawah
4	State	Uttar Pradesh
5	Telephone Number	7839435094
6	Fax Number	-
7	E-mail address	dirlsetawah@gmail.com
8	Website	http://etawahlionsafari.org
9	Distance from nearest	Airport: Agra (150km)
		Railway Station: Etawah (05km)
		Bus Stand: Etawah (06km)
10	Recognition Valid upto (Date)	28-08-2022
11	Category of zoo	Mini Category Zoo
12	Area (in Hectares)	350ha

S.No.	Particulars	Information
13	Number of Visitors (Financial Year)	Adult : 90326
		Children : 8920 (0-6yr)
		Children : 19474 (6-12yr)
		Total Indian : 118720
		Total Foreigners : 26
		Total Visitors: 118746
14	Visitors' Facilities Available in Zoo	Clock Room, Parking, Wash-room, Rain-shelter, Drinking Water, Cafeteria, Sovenior Shop, 04 safari Buses, 02 Tata xenon for visitors
15	Weekly Closure Day of the Zoo	Monday
Management Personnel of the zoo		
16	Name with designation of the Officer in-charge	Dr. SHESH NARAYAN MISHRA, Director Mrs. ADITI SHARMA, Director
	Name of the Veterinary Officer	Dr. Robin Singh Yadav Dr. Harshit Mishra
	Name of the Curator	Sh. Vinit Kumar Saxena Sh. Ashok Kumar Nimesh

S.No.	Particulars	Information
	Name of the Biologist	Sh. B. N. Singh
	Name of the Education Officer	Sh. Kartik Dwivedi
	Name of the Compounder/ Lab Assistant	Sh. Suyas Kumar -
Owner / Operator of the Zoo		
17	*Name of the Operator	Mr Manoj Singh, I.A.S.
18	Address of the Operator	ACS, Environment, Forest & Climate Change Department 6th Floor Bapu Bahwan, Lucknow.
19	Contact details/Phone number of Operator	0522-2238669
20	E-mail address of Operator	psecforest-up@nic.in

* Rule 2(m) of the Recognition of Zoo Rules, 2009.

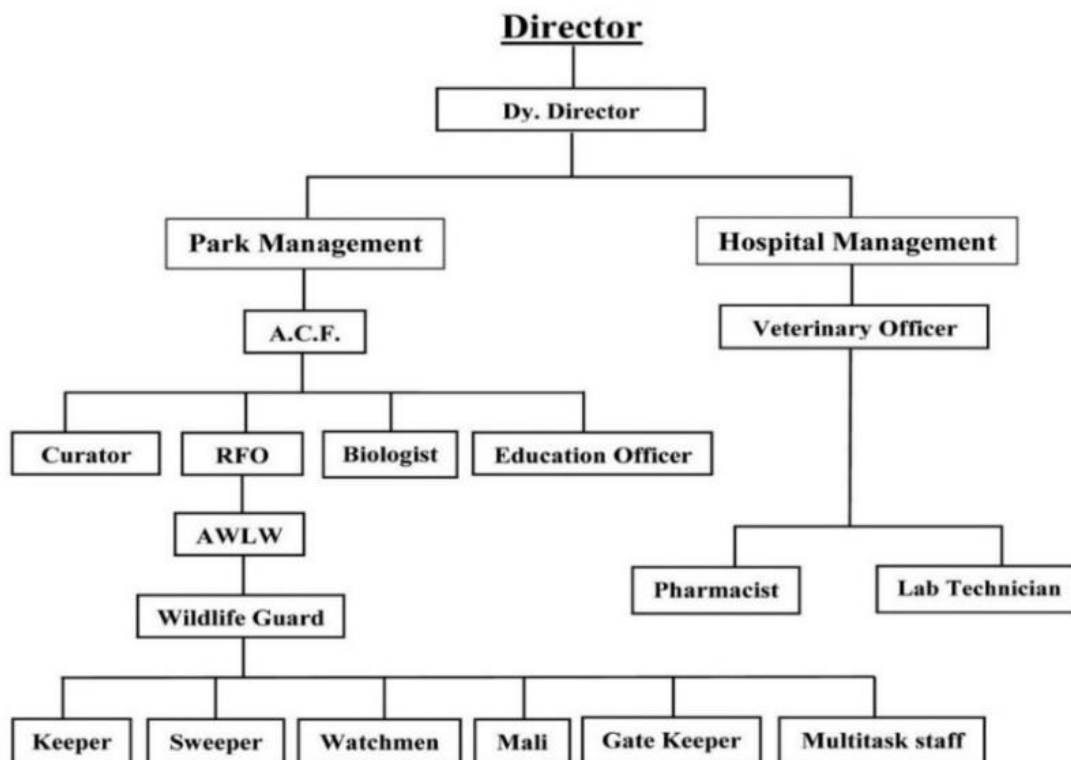
“Zoo Operator” means the person who has ultimate control over the affairs of the zoos provided that_____

I. in the case of a firm or other association of individuals, any one of the individual partners or members thereof; or

II. in the case of a company, any director, manager, secretary or other officer, who is in-charge of and responsible to the company for the affairs of the zoo; or

III. In case of zoo owned or controlled by the Central Government or any State Government or Union Territory Administration or any Trust or Society funded by the Central Government or a State Government or a Union Territory Administration, the Secretary of the concerned Department of that Government, or as the case may be the Union Territory Administration, shall be deemed to be the Zoo Operator.

7. Organizational Chart



8. Human Resources

Manpower of the Zoo*

Sl.No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1	CF/Director, Lion Safari	01	Dr. Shesh Narayan Mishra (1-4-22 to 10-03-23) Mrs. Aditi Sharma (10-03-23 to 31-3-23)
2	DCF/Dy. Director	01	Sh. A.K. Singh
3	ACF	01	-
4	Vet. Doctor	01	Dr. Robin Singh Yadav (O.S.)
5	Curator	01	Sh. Vinit Kumar Saxena Sh. Ashok Kumar Nimesh
6	Biologist	01	Sh. B.N. Singh (O.S.)
7	Education Officer	01	Sh. Kartik Dwivedi (O.S.)
8	AWLW	02	1- Sh. Jawahar Lal 2- Sh. Om Prakash
9	Field Supervisor (AWLW)	02	Sh. SriPrakash Shukla (O.S.)

10	Lab Asst. /Xray technician	01	-
11	Compounder/Store Incharge	01	Sh. Suyas Kumar (O.S.)
12	Jr. Asst. (for booking)	02	1-Sh. Ashwani Yadav (O.S.) 2-Sh. Prashant Kumar (O.S.)
13	Jr. Asst. (for office work)	01	Sh. Shashank Patel (O.S.)
14	Wildlife Guard	03	1- Sh. Shashikant Chauhan 2- Sharad Yadav 3- Chandra Shekhar
15	Asst. Field Supervisor (Wildlife Guard)	03	1- Sh. Satyendra Yadav
16	Range Officer	01	Sh. Vinit Kumar Saxena (Additional Charge)
17	Steno	01	Sh. Shashank Patel (O.S.)
18	Zoo Keeper	19	1- Arif Ali 2- Asif Ali 3- Amit Kumar 4- Manjul Kumar 5- Mo. Imran 6- Vipin Babu 7- Jagdish Singh 8- Mohar Singh 9- Sanjay Bhandari 10- Ramveer Singh
19	Tube well Operator	01	Sh. Surendra Kumar
20	Electrician	02	1- Sh. Mananjay Yadav 2- Sh. Ravi Sharma (O.S.)
21	Plumber	01	Sh. Sunil Kumar (O.S.)
22	Sweeper	17	1- Mahesh Kumar 2- Suraj Kumar 3- Raj 4- Amit Kumar 5- Hari Kishan 6- Ajay Kumar 7- Sanjay Singh 8- Bhupendra Kumar 9- Yatendra (O.S.) 10- Radha Kishan (O.S.) 11- Rakesh Kumar (O.S.) 12- Dharam Singh (O.S.) 13- Shanti Swroop (O.S.) 14- Man Singh (O.S.) 15- Kamal (O.S.)
23	Driver	04	1- Brijesh Kumar (O.S.) 2- Raju Shakarwar (O.S.) 3- Hari Shankar (O.S.) 4- Awadesh Kumar (O.S.)

24	Watchman	11	1- Manoj Singh 2- Manoj Kumar 3- Satish Kumar 4- Sanjay Kumar 5- Lakhmi Chandra 6- Bhanu Pratap 7- Anand Kumar 8- Rakesh Kumar 9- Kuldeep Kumar 10- Rishi Yadav 11- Omkar
25	Gate Keeper	05	1- Manish Kumar Yadav 2- Ramavtar Singh 3- Krishan Kumar 4- Kamlesh Kumar 5- Jugendra Singh
26	Mali	06	1- Ashok Shakya 2- Prdeep Kumar 3- Suresh Chandra 4- Sharad Kumar 5- Baljeet 6- Jitendra Kumar
	TOTAL	90	

*Please give above mentioned information in respect of all zoo personnel, from the Officer in-charge upto the Animal Keeper.

O.S. - Out Sourcing Staff

9. Capacity Building of zoo personnel

Sl. No	Name and designation of the zoo personnel	Subject matter of Training	Period of Training	Name of the Institution where the Training attended
1	Dr. Shesh Narayan Mishra	National conference for Zoo Directors	10 to 11 Sep. 2022	Nandankanan Biological Park, Bhubaneswar

10. Zoo Advisory Committee –

a. Date of constitution

b. Members

c. Dates on which Meetings held during the year

11. Health Advisory Committee–**a. Date of constitution****b. Members**

Sl.		
1	Principal Chief Conservator of Forest & HoFF, U.P., Lucknow	President
2	Principal Chief Conservator of Forest, Wildlife, U.P. Lucknow	Vice President
3	Representative nominated by Member Sec., CZA, New Delhi	Member
4	Member Sec., State Zoo Authority, U.P., Lucknow	Member
5	Director, Nawab Wazid Ali Shah Prani Udhyan, Lucknow	Member Sec.
6	Director, Animal Husbandry Deptt. U.P. Lucknow	Member
7	Director, Kanpur Zoo Kanpur	Member
8	Incharge IVRI Bareilly	Member
9	Veterinary Officer (Dy. Director), Nawab Wazid Ali Shah Prani Udhyan, Lucknow	Member
10	Veterinary Officer, Kanpur Zoo Kanpur	Member
11	Dr. R.P. Pandey, Director, Clinic Veterinary College, DUVASU, Mathura	Member
12	Director, Etawah Safari Park, Etawah	Member

c. Dates on which Meetings held during the year – 25th August 2020**12. Statement of income and expenditure of the Zoo****Income from Carpus Fund Interest and others-****Rs. 44266980****Expenditure Details -**

Expenditure Item's	Amount (Rs.)
Expenditure on purchase of Carnivores & Herbivores Feed	13486200
Purchase of Medicine & equipment	1492300
Development & maintenance of Hedge along safari roads	117900
Development & maintenance of lawn's	149800
Maintenance of Safari vehicles & other expenditure	1325000

Installation of Signage's	7500
Training & Tour's	341400
Expenditure on Safety measures for wild animals in adverse climatic conditions	118500
Expenditure on Enrichment	28200
Expenditure for holding various Meetings	51200
Office & other expenditure	136900
Payment of Electricity Bill	1435400
Payment of Outsourcing staff salary	13765100
Expenditure on providing staff uniform etc	166300
Expenditure on Plantation and other associate works	155500
Maintenance of potable water supply facilities	752400
Maintenance of CCTV Camera	1029000
Maintenance of Aromatic Plants around watch towers	93800
Expenditure on holding special programs	388400
Expenditure on habitat improvement	446000
Development & Maintenance of Grassland in Deer & Antelope Safari	81100
Emergency expenditure by Director	318700
Maintenance of Residential & Non-residential buildings in Safari	1792600
Expenditure on Eco-tourism management	4150100
Purchase of New AC Bus for Visitors	1501434
Construction of Krall in Leopard House No-1	936246

13. Daily feed Schedule of animals

Sl. No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
1	Asiatic lion	Buffalo Meat, Mutton, Chicken	M:8kg, F:7kg	M:7kg, F:6kg	Friday

2	Leopard	Buffalo Meat, Mutton, Chicken	M:3.5kg, F:2.5kg	M:3kg, F:2kg	Friday
3	Sloth Bear	Multigrain porridge & seasonal fruits	M:5kg, F:4kg	M:5kg, F:4kg	-
4	Spotted Deer	Green fodder/ Vegetables & concentrate mixture.	Green fodder/ Vegetables :3kg concentrate mixture : 250g.	Green fodder/ Vegetables :3kg concentrate mixture : 250g.	-
5	Sambar	Green fodder/ Vegetables & concentrate mixture.	Green fodder/ Vegetables :8kg concentrate mixture : 500g.	Green fodder/ Vegetables :8kg concentrate mixture : 500g.	-
6	Black Buck	Green fodder/ Vegetables & concentrate mixture.	Green fodder/ Vegetables :3kg concentrate mixture : 250g.	Green fodder/ Vegetables :3kg concentrate mixture : 250g.	-

14. Vaccination Schedule of animals

Sl.No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
1	Wild felids	Panleucopenia, Calcivirus, Rabies, Herpes Virus.	BIOFEL PCRH / 1ml s/c	Annual	-
2		Canine Distemper	Recombinant CDV Vaccine	Primary dose & 21 days apart two boosters then half yearly	-

15. De-worming Schedule of animals

Sl.No.	Species	Drug used	Month
1	Wild felids	Fenbendazole/ combination of Fenbendazole, Praziquente and Niclosamide	At interval of three months

16. Disinfection Schedule

Sl. No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1.	Asiatic Lions & Leopard	Kraal/Paddock	Khorsolin-TH/ Virkon-S spray	Apart 10 days alternatively
		Feeding cells/ keepers gallery	Khorsolin-TH/ Virkon-S spray/ Blow torching	At weekly interval
2	Bears	Feeding cells/ keepers gallery	Khorsolin-TH/ Virkon-S spray	At weekly interval
3	Herbivores	Feeding shed/ water shed	Khorsolin-TH/ Virkon-S spray	At weekly interval

17. Health Check-up of employees for zoonotic diseases

Sl.No.	Name	Designation	Date of Health Check up	Findings of Health Check up
No Case of any zoonotic disease found				

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

- **Strengthening of veterinary hospital** – Extension of Hospital for Lion, Bear and Leopard Treatment Ward.
- Creation of 8000 cubic mt earthen dams and 08 water bodies for water harvesting, soil moisture and water conservation. Activity to make safari a zero discharge water safari

- **Habitat Improvement** – Eradication of *Prosopis juliflora* & other unwanted weeds, Plantation work, development and maintenance of grasslands for herbivorous & silvicultural operations of indigenous flora of Park.
- **Enrichment Activities for Wild Animals** - To set-up changeable & permanent wooden structures for Herbivorous & Carnivorous, along with construction of socialization pan for leopards.
- Development of Visitor's Eco tourism facilities.

19. Education and Awareness programmes during the year -

- Celebration of Wildlife Week 1st Oct. to 7th Oct. 2022
Events (Wildlife Themed) :- Painting, Poster & Essay Competitions
Other forestry & Wildlife Related days celebration.
- **Educational Program for Other Institutions**
 - On dt 19-12-2022 FTI, Haldwani, Uttarakhand - Educational Tour for FGD
 - On dt 21-12-2022 FTI, Haldwani, Uttarakhand - Educational Tour for FGD
 - On dt 22-02-2023 FTI, Kanpur, UP - Educational Tour for FGD

20. Important Events and happenings

- Azadi Ka Amrit Mahotsav,
- Cheetah Rehabilitation in India related programme.

21. Seasonal special arrangements for upkeep of animals

- Installation of Coolers in summer season at Breeding Centre & Houses of Lions, Leopards & Sloth Bears.
- Installation of Foggers in summer season in Kraals at Breeding Centre.
- Installation of "Khas Curtains" at Breeding Centre and Animal Houses for animals.
- Installation of "Room Heaters" in winter season at Breeding Centre and Animal Houses.
- Covering of Kraal roof by "Thatched Grass" at Bears & Leopards Animal house.
- Covering of Feeding Point & Water Point roofs with "Thatched Grass" for Herbivorous in summer season.
- Construction of "Thatched huts" in winter season for Herbivorous.

22. Research Work carried out and publications

Nil

23. Conservation Breeding Programme of the Zoo

- Conservation Breeding Program of Asiatic lion is on progress at lion breeding centre of Etawah Safari Park, Etawah. Presently 07 Male & 09 Female lions are present as founder population animals. One male cub of lioness Janifer has been reared at breeding center.

24. Animal acquisition / transfer / exchange during the year

A. Animals arriving in the Zoo					
H.NO.	Species	Number (M:F)	From which Zoo	Date of arrival in the zoo	
Antelope House	Black Buck (<i>Antelope Cervicapra</i>)	4:22	Akbar Ka Makbra Sikandra Agra	28 th Jan. to 09 th Feb. 2023	
B. Animals going from the zoo					
H.NO.	Species	Number (M:F)	Going to which Zoo	Date of deposition from the zoo	
-	-	-	-	-	

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

Sl. No.	Date of Rescue	Species with number of animals rescued with their sex (M: F:U:T)	Received from	Date of Submission of Report to the CWLW / CZA	Action taken	
					Date and Place of rehabilitation in their habitat	Reasons for housing in the zoo, if not released in their habitat
1	09-06-2022	Leopard-01 (M)	Buffer Zone at Etawah	09-06-2022	Ranipur Tiger Reserve, Chitrakoot	-

			Safari Park campus			
2	19-12-2022	Leopard-01 (M)	Buffer Zone at Etawah Safari Park campus	19-12-2022	Ranipur Tiger Reserve, Chitrakoot	-
3	14-03-2023	Leopard-01 (F)	Buffer Zone at Etawah Safari Park campus	14-03-2023	Ranipur Tiger Reserve, Chitrakoot	-

26. Annual Inventory of animals

Form – II
[See Rule 11(1)]
Part – A

Inventory Report for the Year : 2022-23

Endangered Species*

Animal Name	Scientific name	Opening Stock as on				Births			Acquisition			Disposal			Death			Closing Stock as on			
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
Asiatic Lion	<i>Panthera leo persica</i>	8	10		18	1	-	1	-	-	-	-	-	-	1	1	1	8	9		17
Leopard	<i>Panthera pardus</i>	7	2		7	-	-	-	-	-	-	-	-	-	-	-	-	7	2		9
Bear Sloth	<i>Melursus ursinus</i>	2	1		3	-	-	-	-	-	-	-	-	-	-	-	-	2	1		3
Black Buck	<i>Antelope Cervicapra</i>	36	33	13	82	-	-	48	4	22	-	-	-	-	5	4	6	50	72	19	141

*Animals under Schedule I and Schedule II of the Wild Life (Protection) Act, 1972

Part – B

Other than Endangered Species

Animal Name	Scientific name	Opening Stock as on				Births			Acquisition			Disposal			Death			Closing Stock as on			
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
Sambar	<i>Rusa unicolor</i>	6	6	1	13	-	-	1	-	-	-	-	-	-	-	-	-	6	6	2	14
Cheetal	<i>Axis axis</i>	19	24	8	51	-	-	25	-	-	-	-	-	-	-	-	-	27	28	21	76

27. Mortality of animals

Sl.No.	Animal Name (with individual identification mark, if any)	Scientific Name	Sex	Date of Death	Reason of Death as per the Post-mortem report
1	Manan	<i>Panthera leo persica</i>	M	13-06-2022	Multiorgan failure due to Melanosarcoma
2	Tejaswini	<i>Panthera leo persica</i>	F	06-12-2022	Cholagio-cellular carcinoma
3	Cub of lioness Jessica	<i>Panthera leo persica</i>	-	04-02-2023	Nothing specifically diagnosed
4	Black Buck	<i>Antilope Cervicapra</i>	M	05-04-2022	Circulatory failure
5	Black Buck	<i>Antilope Cervicapra</i>	M	12-04-2022	Circulatory failure
6	Black Buck	<i>Antilope Cervicapra</i>	M	16-04-2022	Due to Shock
7	Black Buck	<i>Antilope Cervicapra</i>	M	29-05-2022	Shock & Cardiac failure
8	Black Buck	<i>Antilope Cervicapra</i>	F	15-07-2022	Shock & Cardiac failure
9	Black Buck	<i>Antilope Cervicapra</i>	F	17-07-2022	Shock & Cardiac failure
10	Black Buck	<i>Antilope Cervicapra</i>	F	05-08-2022	Cardiac Respiratory failure
11	Black Buck	<i>Antilope Cervicapra</i>	M	14-09-2022	Bloat
12	Black Buck	<i>Antilope Cervicapra</i>	M	25-09-2022	Could not diagnosed
13	Black Buck	<i>Antilope Cervicapra</i>	M	12-10-2022	Cardiac failure
14	Black Buck	<i>Antilope Cervicapra</i>	F	06-11-2022	Cardiac Respiratory failure
15	Black Buck	<i>Antilope Cervicapra</i>	F	03-02-2023	Circulatory failure
16	Black Buck	<i>Antilope Cervicapra</i>	U	10-02-2023	Circulatory failure
17	Black Buck	<i>Antilope Cervicapra</i>	F	14-02-2023	Shock
18	Black Buck	<i>Antilope Cervicapra</i>	F	28-02-2023	Cardiac Respiratory failure

28. Compliance with conditions stipulated by the Central Zoo Authority

No quarries are stipulated by the Central Zoo Authority in yr. 2022-23

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

MAMMAL SPECIES

S. No	Common Names	Scientific Nomenclature
1.	Indian Pangolin	<i>Manis Crassicaudata</i>
2.	Golden Jackal	<i>Canis Aureus</i>
3.	Common Palm Civet	<i>Paradoxurusher Maphrodites</i>
4.	Indian Small Mongoose	<i>Herpestes Auropunctatus</i>
5.	Indian Great Mongoose	<i>Herpestes Edwardsii</i>
6.	Jungle Cat	<i>Felias Chaus</i>
7.	Wild Boar	<i>Sus Scrofa</i>
8.	Sambar	<i>Cervus Unicolour</i>
9.	Nilgai	<i>Boselaphus Tragocamelus</i>
10.	Northern Palm Squirrel	<i>Funambulus Pennantii</i>
11.	Porcupine	<i>Hystrix Indica</i>
12.	Indian Hare	<i>Lepus Nigricollis</i>
13.	Chuha	<i>Rats Rats</i>
14.	Mus	<i>Mus Susculus</i>
15.	Chhachhunder	<i>Sancus Murinus</i>
16.	Chamgadhar	<i>Scotophilus Hethae</i>
17.	Leopard Cat	<i>Prionailurus bengalensis</i>
18.	Honey Badger	<i>Mellivora capensis</i>
19.	Indian Leopard	<i>Panthera pardus</i>

REPTILES

S. No.	Common Names	Scientific Nomenclature
1.	Goh (Monitor Lizard)	<i>Varanus indicus</i>
2.	Python	<i>Paython molurus</i>
3.	Indian Cobra	<i>Naja naja</i>
4.	Common Krait	<i>Bungarus sindorus</i>

5.	Rat Snake	<i>Pytas mucosus</i>
6.	Green Keelback snake	<i>Rhabdophis plumbicolour</i>
7.	Common Wolf Snake	<i>Lycodon aulicus</i>
8.	Common Sand Boa	<i>Gongylophis conicus</i>
9.	Red Sand Boa	<i>Eryx johnii</i>
10.	Turtle	<i>Lissemys punctate</i>
11.	Indian Star Tortoise	<i>Geochelone elegans</i>

BIRDS

S.NO	ENGLISH NAME	SCIENTIFIC NAME
1	Grey Franclin	<i>Ortygornis pondicerianus</i>
2	Black Franclin	<i>Francolinus francolinus</i>
3	Common Quail	<i>Coturnix coturnix</i>
4	Jungle Bush Quail	<i>Perdicula asiatica</i>
5	Barred Button Quail	<i>Turnix suscitator</i>
6	Indian Peafowl	<i>Pavo cristatus</i>
7	Lesser Whistling duck	<i>Dendrocygno javanica</i>
8	Knob Billed duck	<i>Sarkidiornis melanotos</i>
9	Common Shel duck	<i>Tadorna tandorna</i>
10	Ruddy Shelduck	<i>Tandorna Ferruginea</i>
11	Brown Capped Pigney Wood Pecker	<i>Yungipicus nanus/ Dendrococ nanus</i>
12	Grey Capped Pigney wood peckers	<i>Yungipicus canicapillus</i>
13	Yellow Crowned	<i>Leiopicus mahrattensis</i>

14	Greater Yellow naped	Chrysophlegma feavinucha
15	Streal Throated	Picus xanthopygaeus
16	Greater Flameback	Chrysocolaptes guttacristatus
17	Black rumped flaweback	Dinopinus benghalense
18	White naped	Chrysocolaptes festivus
19	Brown Headed Barbet	Psilopogon zeylanicus
20	Coppersmith Barbet	Megalaima haemacephala
21	Grey Hornbill	Ocyceros birostrus
22	Common Hoopoe	Upupa epos
23	Indian Roller	Coracias benghaleusis
24	European Roller	Carocias garrulus
25	Common Kingfisher	Alcedo atthis
26	Strokbilled lingfisher	Pelargopsis capensis
27	white throated King fisher	Haalcyon smyrnensis
28	Pied Kingfisher	Ceryle rudus
29	Green Bee eater	Merops orientalis
30	Blue tailed Bee eater	Merops philippinus
31	Chestnut Headed Bee eater	Merops leschenaulti
32	Pied / Jacobin's Cuckoo	Clamator jacobinus
33	Common Hawk cuckoo	Hierococcyx varius
34	Grey Bellied Cuckoo	Cacomantis passerinus
35	Asian keol	Eudynamys Scolopaceus
36	Sirkeer Malkoha	Phaenicophaeus lwschenaultii

37	Lesser Cauca	Centropus benghalensis
38	Greater Cauca	Centropus sinensis
39	Alexandrine Parakeet	Psittacula eupatria
40	Roseringed Parakeet	Psittacula krameri
41	Plumheaded Parakeet	Psittacula cyanocephala
42	Asian Palm swift	Cypsiurus balasiensis
43	House Swift	Apus nipalensis
44	Barn Owl	Tyto alba
45	Grass Owl	Tyto longimembris
46	Eurasian Eagle Owl	Bubo bubo
47	Oriental Scops Owl	Otus Sunia
48	Asian Barred Owlet	Glaucidium cuculoides
49	Spotted Owlet	Athene brama
50	Dusky Eagle Owl	Bubo coelestis
51	Indian / Rock Eagle Owl	Bubo bengalensis
52	Large Tailed Nightjar	Caprimulgus macrurus
53	Rock Pigeon	Columba livia
54	Orange Breasted Green Pigeon	Treron bitorquatus
55	Yellow Footed Green Pigeon	Treron phoenicopterus
56	Pintailed Green Pigeon	Treron apicauda
57	Oriental Turtle Dove	Streptopelia orientalis
58	Laughing Dove	Spilopelia senegalensis
59	Spotted Dove	Spilopelia chinensis

60	Red Collared Dove	<i>Streptopelia tranquebarica</i>
61	Eurasian Callared Dove	<i>Steplopelia Decaocla</i>
62	White Brasted Waterhan	<i>Amaurornis Phoenicurus</i>
63	Moorhan	<i>Gallinula choropus</i>
64	Little Grebe	<i>Tachybaptus ruficollis</i>
65	Little Cormorant	<i>Micro corba niger</i>
66	Large Cormorant or Indian sheg	<i>Phalocricorax carbo</i>
67	Little Egret	<i>Egretta garzetta</i>
68	Intermediate Egret	<i>Ardea intermedia</i>
69	Great Egret	<i>Ardea alba</i>
70	Cattle Egret	<i>Bubulcus ibis</i>
71	Purple Heron	<i>Ardea purpurea</i>
72	Pond Heron	<i>Ardeola ralloides</i>
73	Black Headed Night Heron	<i>Nucticorax nycticorax</i>
74	Cinnamon Bittern	<i>Ixobrychus cinnamomeus</i>
75	Black Bittern	<i>Ixobrychus flavicollis</i>
76	Grey Heron	<i>Ardea cinerea</i>
77	Black Ibis (Rednaped)	<i>Psludibis papillis</i>
78	Black Headed Ibis	<i>Thredkiornis melanicephalus</i>
79	Eurasian Spoonbill	<i>Plotalea leucoradia</i>
80	Painted Stork	<i>Mycteria lencoceohala</i>
81	Asian Openbill	<i>Anastomus oscitans</i>
82	Wootly Necked Stork	<i>Ciconia eoiscopus</i>

83	Eurasian Curlew	Numenius arquata
84	Common Red Shank	Tringa totamus
85	Common Green Shank	Tringa nebularia
86	Green Sandpiper	Tringa ochropus
87	Little stint	Colidris minula
88	Pheadaml Triled Jacana	Hydrophadianus chirurgus
89	Bronze Winged Jacana	Metopidius Indicus
90	Eurasian Thick Knee	Burhinus oedicephalus
91	Black winged Still	Himantopus himantopus
92	Yellow Wattled Lapwing	Vanellus malabaricus
93	River Lapwing	Vanellus duvaucelii
94	Red Wattled Lapwing	Vanellus indicus
95	Small Pratincole	Glareola lactea
96	India Skimmer	Rynchops albicollis
98	Osprey	Pandion haliaetus
99	Black Shouldered Kite	Elanus axillaris
101	Black Kite	Milvus migrans
102	Egyptian Vulture	Neophron percnopterus
103	Crested Serpent Eagle	Spilornis cheela
104	Pallid Harrier	Circus macrourus
105	Shikra	Accipiter badius
106	Red Necked Falcon	Falco chichu
107	Common Kestrel	Falco tinnunculus

108	Oriental Honey Buzzard	<i>Perinis ptilorhynchus</i>
109	Tawny Eagle/Booted Eagle	<i>Aquila rapax</i>
110	Sparrow-Hawk	<i>Accipter nisus</i>
111	Indian Pitta	<i>Pitta brachyura</i>
112	Golden Fronted Leafbird	<i>Chloropsis aurufrons</i>
113	Bay Backed Shrike	<i>Lanius rittatus</i>
114	Grey Backed Shrike	<i>Lanius tephronotus</i>
115	Long Tailed Shrike	<i>Lanius schach</i>
116	Rufous Treepiw	<i>Dendrocitta vagabunda</i>
117	House Crow	<i>Corvus splendens</i>
118	Long Bolled Crow	<i>Crovis macrorhynchos</i>
119	Golden Oriole	<i>Oriolus kundro</i>
120	Black Hooded Oriole	<i>Oriolus xanthornus</i>
121	Large Cuckoo Shrike	<i>Caracina macei</i>
122	Black Winged Cuckoo shrike	<i>Caracina melaschistos</i>
123	Scarlet Minivet	<i>Pericrocotus speciosus</i>
124	White Bellied Minivet	<i>Pericrocotus erythropygus</i>
125	Bar Winged Flycatcher Shrike	<i>Hemipus picatus</i>
126	Yellow Bellied Fantail	<i>Empidonax flaviventris</i>
127	White Throated Fantail	<i>Empidonax albigularis</i>
128	Black Drongo	<i>Dicrurus macrocercus</i>
129	Ehite Bellied Drongo	<i>Dicrurus caerulescens</i>
130	Lesser Racket Tailed Drongo	<i>Dicrurus remifer</i>

131	Greater Racket Tailed Drongo	Dicrurus paradiseus
132	Asian Paradise Flycatcher	Terpsiphone paradisi
133	Orange Headed Thrush	Geolichla citrina
134	Dark Throated Thrush	Turdus atrogularisq
135	Little Pied Flycatcher	Ficedula westermanni
136	Ultra marine flycatcher	Ficedula supereiliaris
137	Siberian Ruby Throat	Calliope calliope
138	Blue Throat	Luscinia svesica
140	Oriental Magpie Robin	Copsychus saularis
141	White Rumped Shama	Copsychus malabaricus
142	Indian Robin	Saxicoloides Fulixatus
143	Black Red Start	Phoeuicurus ochruros
144	Common Stone Chat	Saxicola torquatus
145	White Tailed Stone Chat	Saxicola leucurus
146	Pied Bush Chat	Saxicola caprata
147	Grey bush Chat	Saxicola ferrreus
148	Brown Rock Chat	Cercomela fusca
149	Brahminy Starling	Sturnia pagadarum
150	Rosy Starling	Postir roseus
151	Pied Starling	Gracupica contra
152	Common Myana	Acridotheres tristis
153	Bank Myana	Acridotheres ginginianus
154	Jungle Myana	Acridotheres fuscus

155	Chestnut Bellied Nuthatch	<i>Sitta cinnami ventris</i>
156	Spotted Creeper	<i>Salpornis spilonotus</i>
157	Tawny Bellied Babbler	<i>Dumetia hyperythra</i>
158	Striped Til Babbler	<i>Macronus gularis</i>
159	Chestnut Capped Babbler	<i>Timalia pileata</i>
160	Yellow Eyed Babbler	<i>Chrysomma sinense</i>
161	Common Babbler	<i>Turdoides caudata/Argya candata</i>
162	Staraited Babbler	<i>Turdoides earlei</i>
163	Large Grey Babbler	<i>Turdoides malcolmi</i>
164	Jungle Babbler	<i>Turdoides striata</i>
165	Bengal Bushlark	<i>Mirafra assamica</i>
166	Black Crowned Sparrow Lark	<i>Eremopterix nigriceps</i>
167	Crested Lark	<i>Galerida cristata</i>
168	Oriental Skylark	<i>Alauda gulgula</i>
169	Thick Billed Flower Pecker	<i>Dicaeum agile</i>
170	Plain Flower Pecker	<i>Dicaeum minullum</i>
171	Purple Sun Bird	<i>Cinnyris asiaticus</i>
172	Crimson Sunbird	<i>Aethopyga siparaja</i>
173	Fire Tailed Sunbird	<i>Aethopyga ignicauda</i>
174	House Sparrow	<i>Passer domesticus</i>
175	Chwstnut Shouldered petronia/Sprrow	<i>Gymnoris xanthocollis</i>
176	Grey Tit	<i>Parus afer</i>
177	Sand Martin	<i>Riparia riparia</i>

178	Plain Martin	Riparia chinensis
179	Dusky Crag Martin	Ptyonoprogne concolor
180	Barn Swallow	Hirundo rustica
181	Wire Tailed Swallow	Hirundo smithii
182	Red Rumped Swallow	Cecropis daurica
183	Red Whiskered Bulbul	Pycnonotus jocosus
184	White Eared Bulbul	Pycnonotus leucotis
185	Red Vanted Bulbul	Pycnonotus cafer
186	Rufous Fronted Prinia	Prinia buchanani
187	Jungle Prinia	Prinia sylvastica
188	Yellow Bellied Prinia	Prinia flaviventris
189	Ashy Prinia	Prinia socialis
190	Plaiu Prinia	Prinia inornata
191	Striated Prinia	Prinia crinigera
192	Grey Breasted Prinia	Prinia hodgsonii
193	Bright Headed Cisticola	Cisticola exilis
194	Oriental White Eye	Zosterops palpebrosus
195	Common Tailor Bird	Orthotomus sutorius
196	Paddy Field Warbler	Acrocephalus agricola
197	Rufous Rumped Grass Bird	Graminicola bengalensis
198	Common Chiffchaff	Phylloscopus collybita
199	Greenish Warbler	Phylloscopus trochiloides
200	Western Crowned Warbler	Phyllosocopus occipitallis

201	Lesser White Throat	<i>Sylvia curruca</i>
202	White Wagtail	<i>Motacilla alba</i>
203	White Browed Wagtail	<i>Motacilla maderaspatensis</i>
204	Citrine Wagtail	<i>Motacilla citreola</i>
205	Yellow Wagtail	<i>Motacilla flava</i>
206	Grey Wagtail	<i>Motacilla cinerea</i>
207	Paddy Field Pipit	<i>Anthus rufulus</i>
208	Tree Pipit	<i>Anthus trivialis</i>
209	Long Billed Pipit/Brown Rock Pipt	<i>Anthus similis</i>
210	Streaked Weaver	<i>Ploceus manyar</i>
211	Baya Weaver	<i>Ploceus philepinus</i>
212	Black Breasted Weaver	<i>Ploceus ben ghalensis</i>
213	Finn's Weaver	<i>Ploceus megarhynchus</i>
214	Red Avadavat	<i>Amandava amandava</i>
215	Green Avadavat	<i>Amandava formosa</i>
217	India Silver Bill/Plain Avadavat	<i>Euodice malabarica</i>
218	Sally Breasted Avadavat	<i>Lonchura punctulata</i>
219	Black Headed Avadavat	<i>Lonchura atricapilla</i>
220	Common Rose Finch	<i>Carpodacus erythrinus</i>
221	Crested Bunting	<i>Melophus lathami</i>
222	Rock Bunting	<i>Emberiza cia</i>
223	Red Headed Bunting	<i>emberiza bruniceps</i>