



Sakkarbaug Zoological Park

ANNUAL REPORT 2021-22

Contents

Sr.No	Section	Page Number
1.	Report of the Officer-in-charge	2
2.	History of the Zoo	3
3.	Vision	3
4.	Mission	3
5.	Objective	3
6.	About us	6
7.	Organizational Chart	6
8.	Human Resources	7
9.	Capacity Building of the zoo personnel	8
10.	Zoo Advisory Committee	8
11.	Health Advisory Committee	8
12.	Statement of income and expenditure of the Zoo	8
13.	Daily feed Schedule of animals	8
14.	Vaccination Schedule of animals	10
15.	De-worming Schedule of animals	10
16.	Disinfection Schedule	11
17.	Health Check-up of employees for zoonotic diseases	11
18.	Development Works carried out in the zoo during the year	11
19.	Education and Awareness programmes during the year	13
20.	Research Work carried out and publications	13
21.	Important Events and happenings in the zoo	13
22.	Seasonal special arrangement for upkeep of animals	13
23.	Conservation Breeding Programme of the Zoo	14
24.	Animal inventory of animals	16
25.	Mortality report	22
26.	Natality Report	36
27.	Animal Exchange Programme (Arrival and disposal)	41
28.	Status of the Compliance with conditions stipulated by the Central Zoo Authority	45
29.	List of free living wild animals within the zoo premises	46

1. Report of Office In-charge

Sakkarbaug Zoological Park (SBZP) is one of the oldest zoo in the country. It was established by the then Nawab of Junagadh in 1863. It has been categorized as a large zoo as per the Recognition of Zoo Rules 2009. SBZP extends over about 84 hectares of land on the foothills of Mount Girnar in Junagadh city. Presently the zoo is looking after and managing 821 Wild fauna of 98 species in which are 428 mammals, 313 birds, 80 reptiles. Sakkarbaug Zoological Park aims to complement and strengthen the conservation efforts of wild fauna in Gujarat and re-inforce National efforts in preservation of the country's biodiversity. SBZP also aims at exhibiting wild animals for purposes of conservation, education, research and recreation.

The vision of zoo is to complement ex-situ conservation of endangered wild animals and to contribute to raise awareness in masses to strengthen conservation of wildlife in particular and biodiversity as well environment in general. Well planned and appropriately designed ecosystem based zoos can sensitize visitors to the dangers of a hostile or indifferent attitude towards nature. The zoo has been the main source of genetically pure Asiatic Lions for the captive collection of zoos. Since the last 50 years, more than 250 Asiatic lions have been sent to different zoos across the country and abroad. The budget is utilized for every aspect of the conservation breeding programme of various endangered species, wildlife care, research, training and wildlife awareness camps.

The mission is to provide better up keep and better veterinary care to the animals and to create a centre of excellence for the visitors by providing an opportunity of better understanding of the animal world with education and re-creation. SBZP also serves the purpose of referral centre for veterinary care in addition to providing rescue facilities for the wild animals. The Zoo witnessed record footfall on some special days. Seminars and various events were conducted on World Forest Day, World Environment Day, Wild life Week, World Wild life Day, World Lion Day, World Sparrow Day, World Vulture Day etc. During the present reporting years Zoo has enhanced its infrastructure by adding Incinerator house, Quarantine Section, Additional enclosure for Vultures, Wolves etc. I am hopeful that in coming years these facilities will further enhanced the success of captive breeding and welfare of animals housed.

I sincerely convey my gratitude to Shri Shyamal Tikadar, IFS, Principal Chief Conservator of Forests, Wildlife and Chief Wildlife Warden, Gujarat State, Gandhinagar & Shree. D.T. Vasavada IFS, Chief Conservator of Forests, Wildlife Circle, Junagadh, Dr.S.P. Yadav, IFS, Member Secretary, Central Zoo Authority of India, New Delhi for their valuable guidance and continuous encouragement. I express my sincere thanks to all my staff Mr. Nirav kumar , Assistant Director & Curator, Dr. R.F. Kadivar, Veterinary Officer, Mahek Raval, Yashodhar Goletar, Biologist, Shri Bharat P. Bamaniya, Storekeeper had contributed in the preparation of this report. I also thankful total zoo personnel and wish them a bright future and improvement.



Dr. Abhishek Kumar
Director,
Sakkarbaug Zoological Park,
Junagadh.

2. History of the Zoo

The zoo was established in 1863, by the then Nawab of Junagadh, Mohabatkhanji Babi- II. The place of the zoo was named as Sakkarbaug, because it was a private garden of the Nawab, having a step well with sweet potable water. Initially, the zoo had a personal collection of animals of Nawab, which included Asiatic Lions, African Lions, Tigers, Cheetahs, Leopards, Ratel, etc. These animals were taken out as a procession in the town of Junagadh on some auspicious days like Eid for the purpose of display. Later on it was managed by Education department of the state Government before taking over by the State Forest Department in 1960. Earlier, the area of the zoo was only 6 ha. Later on, 78 ha. of land of Reserve Forest, undermining lease was handed over to the zoo following strong protest by the local NGOs coordinated by the then Zoo Officer, Late Shri P.P.Rawal. Another 2 ha. land was allotted from the adjoining Fruit Trees Research Centre of Junagadh Agriculture University. It is one of the oldest and largest zoos of India. It is one of the oldest and largest zoos of India

3. Vision:

To complement ex-situ conservation of endangered wild animals and to contribute to raise awareness in masses to strengthen conservation of wild life in particular and bio diversity as well environment in general.

4. Mission:

To provide better up keep and better veterinary care to the animals and to create a centre of excellence for the visitors by providing an opportunity of better understanding of the animal world with education and recreation.

5. Objectives:

The National Zoo Policy states:

“THE MAIN OBJECTIVE OF THE ZOO SHALL BE TO COMPLEMENT AND STRENGTHEN THE NATIONAL EFFORTS IN CONSERVATION AND STRENGTHEN THE NATIONAL EFFORTS IN CONSERVATION OF THE RICH BIODIVERSITY OF THE COUNTRY, PARTICULARLY THE FAUNA.”

Thus have following objectives:

- Conservation: To conserve and preserve wild fauna by improving and enhancing the Captive Breeding Programme of selected endangered species.
- Education: To educate and aware the visitors about importance of biodiversity and its conservation and to raise awareness about protecting the environment.
- Research and Training: To facilitate research and training in the field of conservation of wildlife, its captive management and veterinary care of wild animals.
- Recreation: To entertain the visitors with the rich collection of flora and fauna and other amenities.

6. About Us

Sr.No.	Particulars	Information
1	Name of the Zoo :	SAKKARBAUG ZOOLOGICAL PARK
2	Year of Establishment :	1863
3	Address of the Zoo :	RAJKOT HIGHWAY, OUTSIDE MAJEVADI GATE, JUNAGADH-362001 (GUJARAT)
4	State :	GUJARAT
5	Telephone Number :	0285-2660235
6	Fax Number :	0285-2660236
7	E-mail address :	directorsbz@rediffmail.com directorsbz@gmail.com
8	Website :	--
9	Distance from nearest :	Airport: Rajkot - 110 km Railway Station: 3 km Bus Stand: 5 km
10	Recognition Valid upto (Date) :	
11	Category of zoo :	Large Zoo
12	Area (in Hectares) :	84 Ha.
13	Number of Visitors (Financial Year) :	Total Indian :850178 Total Foreigners : 0 Total Visitors : 850178
14	Visitors' Facilities Available in Zoo :	Drinking Water, Rest Huts, Toilets, Canteen, Souvenir Shop, Wheel Chair, Pram, Clock Room, Garden.
15	Weekly Closure Day of the Zoo :	Wednesday

Management Personnel of the zoo

Name with designation of the Officer in-charge :	Dr.Abhishek kumar IFS Director, Sakkarbaug Zoological Park, Junagadh
Name of the Curator :	Shri Nirav Kumar SFS Assistant Director & Curator, Sakkarbaug Zoological Park, Junagadh
Name of the Veterinary Officer :	Dr.R.F. Kadivar Veterinary Officer, Sakkarbaug Zoological Park, Junagadh
Name of the Biologist :	Ms.Mahek Raval, Mr.Yashodhar Goletar.
Name of the Education Officer :	Shri Jyotirmay Buch

Owner / Operator of the Zoo

Dr.Rajeev Kumar Gupta, IAS
Additional Chief Secretary.
Forests & Environment, Gujarat.

Contact Details/Phone number of operator: Forests & Environment Department,
Block 14, 8th floor, Gandhinagar
079-23251051/23251053
e-mail : ds-f-fed@gujarat.gov.in

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

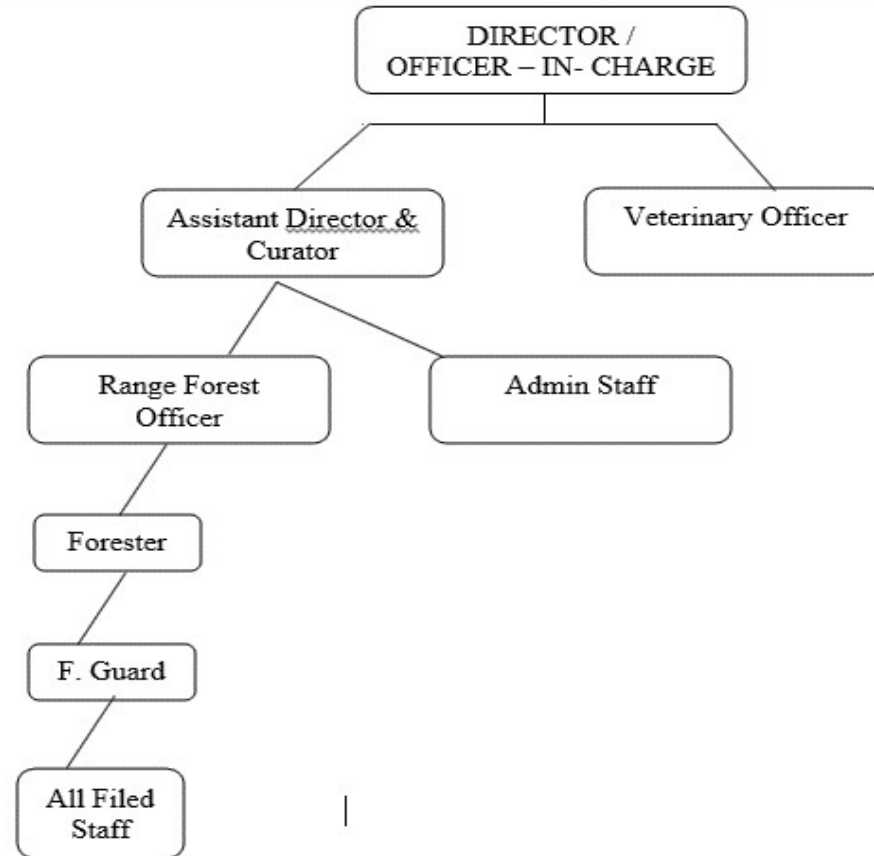
“Zoo Operator” means the person who has ultimate control over the affairs of the zoos provided that _____

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

Sr. No.	Post	Sanction Post	Filled Post	Vacant Post
1	Director	1	1	0
2	Assistant Director & Curator	1	0	1
3	Veterinary Officer	2	1	1
4	Range Forest Officer	1	1	0
5	Forester	2	2	0
6	Accountant Group-1	1	0	1
7	Accountant	1	1	0
8	Storekeeper cum Supervisor	1	0	1
9	Clerk	3	0	3
10	Bagvan cum Mechanic	1	0	1
11	Driver	1	0	1
12	Forest Guard	5	0	5
13	Zoo Nayak	1	1	1
14	Peon	1	0	1
15	Gardner	1	0	1
16	Watchman	16	5	11
17	Sweeper	4	0	4
	TOTAL	43	12	31

SBZP Society staff

Sr.No.	Post	Sanction Post	Filled Post	Vacant Post
1	Veterinary officer	2	2	0
2	Zoo Biologist	2	2	0
3	Stock man / Compounder	5	5	0
4	lab technician	2	2	0
5	Store keeper	1	1	0
6	Education Officer	1	1	0
7	Data entry operator	4	2	2
8	Zoo Security supervisor	3	2	1
9	Driver	4	4	0
10	Volunteer	9	6	3
11	Zoo Security asst.	18	12	6
12	Zoo Field worker	39	35	4
13	Account asst.	1	1	0
14	Gun man (Zoo Security armed guard)	2	1	1
	Total	93	76	17

9. Training program

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	Veterinary internship	Training	15 days	Junagadh veterinary collage.

10. Zoo Advisory committee (Proposed)

a. Date of constitution : 01-04-2018

b. Member :

- (1) Chief Conservator of Forests, Wildlife Circle, Junagadh – **Chairman**
- (2) Director, Sakkarbaug Zoological Park, Junagadh – **Member Secretary**
- (3) Dy. Conservator of Forests, Gir (West), Junagadh – **Member**
- (4) Dy. Conservator of Forests, SasanGir– **Member**
- (5) Dy. Conservator of Forests, Morbi – **Member**
- (6) **Assistant Director & Curator, SBZP, Junagadh – Member**

c. Dates on which meeting held during the year : yearly

11. Health Advisory Committee (Proposed)

a. Date of constitution: 01-04-2018

b. Member:

- (1) **Director, Sakkarbaug Zoological Park, Junagadh – Chairman**
- (2) **Veterinary Officer, SBZP, Junagadh – Member Secretary**
- (3) **Assistant Director & Curator, SBZP, Junagadh – Member**
- (4) **Dean, Veterinary Collage, JAU, Junagadh – Member**
- (5) **Dy. Director, Animal Husbandry, Junagadh – Member**

(6) **Professor & Head, Dept. of Veterinary Pathology, Microbiology & Medicine, JAU, Junagadh – Member**

Dates on which meeting held during the year : Quarterly

12. Statement of income and expenditure of the Zoo (2021-22)

Sr. No.	TOTAL INCOME		EXPENDITURE	
	STATE	SBZMAS	STATE	SBZMAS
1	517500	27552870/80	123306000	30211443186

13. Daily feed Schedule of animals:

Sr. No.	Feed	Quantity per day	Cost in Rupees
1	Mixed Vegetables	90	3330
2	Fruits	97	3934
3	Bread	4	100
4	Pulses & Cereals	110.5	4,940

5	Eggs	75	375
6	Meat (Carabeef, Veal, Fish, Chicken)	667	85,834
7	Green fodder (Lucerne + Maize)	1850	8593
8	Amul Nutrich feed pellets	75	1875
9	Milk	32	704

		20-40 gmsGralic 5 gms Vegetables 50 gms Mixed fruits 25 gms	
11	Shikra	Chicken 150 gms	
12	Budgeriger	(Rala) Kang 10-15 gmsPalak Few leaves Bajara, Maize & Pea Mixture 30 gms	Daily

Species wise feed schedule of animal in the zoo.

Sr. No.	Birds	Details of Diet/ animal	Daily/Weekly
1	Peafowl	Mixed Fruits 60 gm, Palak or green leaves. 50 gms, Jawar and Bajara 100 gms, Poultry feed 200 gms, Minced meat 30 gms, Bread 25 gms	Daily/Weekly
2	Spoonbill White	<i>Fish 100 gm</i>	Daily
3	Peafowl (White)	<i>Mixed Fruits 60 gm, Palak or green leaves. 50 gmsJawar and Bajara 100 gms, Poultry feed 200 gms Minced meat 30 gms, Bread 25 gms</i>	Daily
4	White rumped vulture	<i>Calf Meat 1.5 kg</i>	Alternate day
5	Indian vulture	<i>Calf Meat 1.5 kg</i>	Alternate day
6	Eurasian griffon	<i>Calf Meat 1.5 kg</i>	Alternate day
7	Himaliyan griffon	<i>Calf Meat 1.5 kg</i>	Alternate day
8	King Vulture	<i>Calf Meat 1.5 kg</i>	Alternate day
9	Kalij pheasant	<i>Poultry feed 25 gms, Jawar 30-40 gms, Bajara 20-30 gms, Maize + gram 30 gms, Green leaves (Palak + Coriander) 20-40 gms, Gralic 5 gms, Bread 10 gms, Vegetables 75 gms Mixed fruits 25 gms</i>	Daily
10	Red Jungle Fowl	<i>Poultry feed 25 gmsJawar 30-40 gmsBajara 20-30 gms Maize + gram 30 gms Green leaves (Palak + Coriander)</i>	Daily

Sr. No.	Birds	Details of Diet/ animal	Daily/Weekly
13	Cockatiel	Carrot 10 gm Groundnut 20 gm Maize 20 gm Peas/Mung 30 gm Papaya + Banana 20gm Guava + Apple 30 gm Sun flower seed 25 gm	Daily
14	Crane Demoiselle	Crain mixture. 100-150 gms (Jawar) 40 % (Peddy) Dangar 40 % (Grams) Chana 20 % Fish 100 gms	Daily
15	Common crane		
16	Emu	Palak + Kothmir 300 gms Seasonal Fruits 100 gm Green grams 500 gms Mung 30 gm Juwar 50 gms Emu Feed palates 500 gms	Daily
17	Flamingo (Greater)	Flamingo's mixture (Bajara 70 %Rala(Kang) 20% Zinga powder10%) 400 gm	Daily
18	Ibis (Oriental White)	Fish 100 gm	Daily
19	Peach faced Love Birds	(Rala) Kang 10-15 gmsPalak Few leaves Bajara, Maize & Pea Mixture 50-60 gms	Daily
20	Fishers love birds		
21	Blossom Headed Parakeet	Papaya 50 gm Chilli 2 gm Carrot 25 gm Guava 50 gm Groundnut 25 gm Maize 25 gm Peas/Mung 50 gm Sunflower seed 20 gm	Daily
22	Parakeet Rose ringed		
23	Pelican Rosy	Fish 400 gm	Daily
24	Pheasant Silver	Poultry feed 25 gmsJawar 30-40 gmsBajara 20-30 gms Maize + gram 30 gms Green leaves (Palak + Coriander) 20-40 gmsGralic 5 gms Bread 10 gms Vegetables 75 gms Mixed fruits 25 gms	Daily
25	Pheasant Golden		
26	Stork Painted	Fish 200 gm	Daily
27	Red breasted parakeet	Papaya 50 gm Chilli 2 gm Carrot 25 gm Guava 50 gm Groundnut 25 gm Maize 25 gm Peas/Mung 50 gm	
28	Barn Owl	Chicken 150 gms	Daily
29	Alexandrine parakeet	Papaya 50 gm Chilli 2 gm Carrot 25 gm Guava 50 gm Groundnut 25 gm Maize 25 gm Peas/Mung 50 gm	Daily

30	Black headed seagull	Fish100 gm	Daily
31	Eagle (Kite)	chicken 100 gms	Daily
32	Ring necked pheasant	Poultry feed 25 gmsJawar 30-40 gmsBajara 20-30 gms Maize + gram 30 gms Green leaves (Palak + Coriander) 20-40 gmsGralic 5 gms Bread 10 gms Vegetables 75 gms Mixed fruits 25 gms	Daily
33	Marsh Harrier	Chicken 100 gms	Daily
34	Brahminy kite	Chicken100 gm	Daily
Sr. No.	Birds	Details of Diet/ animal	Daily/Weekly
35	Red Munia	Munias mixture. 10-15 gms (Ragee) 33 % (Rala) 33 % (Bajara) 34 % Green leaves (Palak) 10 Gms	Daily
36	Dusky Lory	Mix grains 20 gm mix fruits 15 gm Mix vegetable 15 gms	Daily
37	White Cockatoo	Carrot 50 gm Groundnut 50 gm Maize 50 gm Peas/Mung 100 gm Chili 5 gm Papaya + Banana 100 gm Guava + Apple 100 gm Sun flower seed 25 gm	Daily
38	Lady Amherst's Pheasant	Poultry feed 25 gms Wheat 30-40 gmsJawar 30-40 gmsBajara 20-30 gms Maize + gram 30 gms Green leaves (Palak + Coriander) 20-40 gmsGralic 5 gms Bread 10 gms Vegetables 75 gms Mixed fruits 25 gms	Daily
39	African Grey Parrot	Mixed Fruits 60 gm Palak or green leaves. 50 gmsJawar, Maize, Bajara 100 gms Bread 25 gms	Daily
40	Indian pied hornbil	Papaya 50 gms Apple 50 gms	Daily
41	Zebra Finch	(Rala) Kang 10-15 gmsPalak Few leaves Bajara, Maize & Pea Mixture 50-60 gms	Daily

42	Green pheasant	<i>Poultry feed 25 gms Jawar 30-40 gms Bajara 20-30 gms Maize + gram 30 gms Green leaves (Palak + Coriander) 20-40 gms Gralic 5 gms Bread 10 gms Vegetables 75 gms Mixed fruits 25 gms</i>	Daily
43	Ostrich	<i>Ostrich mash feed 3 kg Soaked Bengal gram 500 gms Cabbage 200 gms Palak(Spinuch)+Kothmir(Coriander 400 gms Carrots 300 gms Watermelon/Kharek 400 gms.</i>	Daily
44	Blue and yellow Macaw	<i>Carrot 50 gm Groundnut 50 gm Maize 50 gm Peas/Mung 100 gm Chili 5 gm Papaya + Banana 100 gm Guava + Apple 100 gm Sun flower seed 25 gm</i>	Daily
45	Sun Conure	<i>Mixed grains 10 gms Mixed fruits 10 gms</i>	Daily
46	Spot billed duck	<i>Duck mixture Bajara 35% Juvar 5% Fishmeal 8 % Mineral mixture 3 % Peddy 10 % Sun flower 4 % 100-200 gm</i>	Daily
47	Ibis (Black)	<i>Fish 100 gm</i>	Daily
48	Rudy shelduck	<i>Duck mixture Bajara 35% Juvar 5% Maize 30 % Fishmeal 8 % Mineral mixture 3 % Peddy 10 % Sun flower 4 % 100-200 gm</i>	Daily
49	Bonelli's eagle	<i>Chicken 300 gm</i>	Daily
50	Steppe Eagle	<i>chicken 500 gm</i>	Daily
Sr. No.	Birds	Details of Diet/ animal	Daily/Weekly
51	Sarus Crane	<i>Crain mixture. 100-150 gms (Jawar) 40 % (Peddy) Dangar 40 % (Grams) Chana 20 % Fish 200 gms</i>	Daily
52	Black Swan	<i>Vegetable 300 gm Soya 5 gm Lucern 150 gm Mixed grains 200 gm Poultry 100 gm</i>	Daily
53	Eclectus Parakeet	<i>Peanut 20 gm Mixed fruits 50 gm sunflower seed 50 gm</i>	Daily
54	Sulphar crested cockatoo	<i>Peanut 20 gm Mixed fruits 50 gm sunflower seed 50 gm</i>	Daily
55	Amazon parrot	<i>Peanut 20 gm Mixed fruits 50 gm sunflower seed 50 gm</i>	Daily

56	Rainbow lorikeet	<i>Peanut 20 gm Mixed fruits 35 gm sunflower seed 30 gm</i>	Daily
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Sr. No.	Mammals	Details of Diet/ animal	Daily / Weekly
1	Four horned antelope	<i>Green maize/juwar 3 kg Green Lucern 1.5 kg Concentrate palletes 200 gm Soaked grams 200 gm</i>	Daily
2	Indian Wolf	<i>Buffalo Meat 1 kg Chicken 1 kg Canine Buiscite 100 gm</i>	Daily
3	Bear Sloth	<i>Bread 1.5 to 2.0 kg Milk 500 ml Banana 1 piece Potato 1 kg Carrot 250 gm Guava 1 kg Honey 100 ml</i>	Daily
4	Black buck	<i>Green maize/juwar 4 kg Green Lucern 2 kg</i>	Daily
5	Black buck (White)	<i>Concentrate palletes 200 gm Soaked grams 200 gm</i>	Daily
6	Chinkara	<i>Green maize/juwar 3 kg Green Lucern 1.5 kg Concentrate palletes 200 gm Soaked grams 200 gm</i>	Daily
7	Wild Ass	<i>Green maize/juwar 16kg Green Lucern 8 kg Concentrate palletes 500 gm Soaked grams 800 gm</i>	Daily
8	Jackal	<i>Buffalo Meat 1 kg</i>	Daily
9	Swamp deer	<i>Green Fodder (Maize/Juvar + Lucerne) 15 kg Dry fodder (G,nut hay) 3 kg Chana 500 gm Concentrate Palletes 500 gms</i>	Daily
10	Leopard	<i>Buffalo meat 3 kg</i>	Daily
11	Indian Lion	<i>Buffalo meat 6-10 kg, Lion cub below 6 months: calf meat 1-2 kg</i>	Daily
12	Macaque Bonnet	<i>Banana Two pieces Tomato 25 gm Onion 25 gm Green leaves (palak + coriander) 50 gm Potato 0 gm Carrots `100 gm Guava /Apple/cheeku 150 gm bread 100 gm Chana 50 gm</i>	Daily
13	Resus Monkey		

Sr. No.	Mammals	Details of Diet/ animal	Daily / Weekly
14	Tiger Bengal	Buffalo meat 6-10 kg	Daily
15	Tiger (White)		
16	Thamin deer	Green Fodder (Maize/Juvar + Lucerne) 10 kg Chana 300 gm Concentrate Palletes 300 gms	Daily
17	African Cheetah	Chicken 2 kg	Daily
18	Indian bison	Green Maize 45 kg Green Lucern 20 kg Dry G.Nut hay 3 kg Concentrate Palletes 2.5 kg	Daily
19	Malabar giant squirrel	Mixed fruit 50 gm Mixed vegetable 50 gm Bread 1 slice	Daily
20	Nilgiri langur	Banana Two pieces Tomato 25 gm Onion 25 gm Green leaves (palak + coriander) 50 gm Potato 100 gm Carrots `100 gm Guava /Apple/cheeku 150 gm bread 100 gm Chana 50 gm Boiled egg 2 Gound nut 25 gm Boiled rice 30 gm	Daily
21	Indian palm civet cat	Beef with bone 300 gms Banana 2 nos. Milk 50 ml Bread slice 2 nos.	Daily
22	Small Indian Civet		Daily
23	Jungle Cat	Chicken 500 gm	Daily
24	Mouse Deer	Green leave 50 gm Horse gram 50 gm Mixed Vegetable 50 gm Mixed fruit 50 gm	Daily
25	Red Necked Wallaby	Dried lucern 200 gms, carrot 50 gm, corn 50 gm, Palak / Kothmir 100 gm, Beet root 50 g, Apple 50 gm concentrate palletes 100 gm fresh grass ad. Lib.	Daily
26	African Caracal	Chicken 800 gm Buffalo meat 800 gm	Daily
27	Deer Barking	Green maize/juwar 3 kg Green Lucern 1.5 kg Concentrate palletes 200gm Soaked grams 200 gm	Daily
28	Deer Hog	Green maize/juwar 4kg Green Lucern 1.5 kg Concentrate palletes 200 gm Soaked grams 200 gm	Daily
29	Deer Sambar *	Green Fodder (Maize/Juvar + Lucerne) 15 kg Dry fodder (G,nut hay) 3 kg Chana 500 gm Concentrate Palletes 500 gms	Daily

30	Deer Spotted	Green maize/juwar 5 kg Green Lucern 1.5 kg Concentrate palletes 200 gm Soaked grams 200gm	Daily
31	Hyena Striped	Buffalo meat 2.5 kg	Daily
33	Porcupine (Indian)	Potato 150 gms Cabbage 200 gm Carrot 100 gm Bringle 200 gm Dudhi 200 gm Cucumber 150 gm	Daily
34	Porcupine (White)		
35	Hippopotamus	Green Maize 60 kg Green Lucern 40 kg Concentrate Palletes 3.5 kg Potato 4 kg Carrot 6 kg Banana 5 kg 60 kg	Daily

Sr. No.	Mammals	Details of Diet/ animal	Daily / Weekly
36	Common Marmoset	Bread 30 gms Seasonal fruits 25 gms Bengal gram 5 gms Apple 25 gms Banana 20 gms Grapes 10 gms Orange 20 gms Green gram 5 gms Papaya 5 gms Eggs 20 gms Nestum rice 5 gms	Daily
37	Goral	Green maize/juwar 3 kg Green Lucern 1.5 kg Concentrate palletes 200 gm Soaked grams 200 gm	Daily

17	Banded racer	Mice / Lizzard 1	Weekly
18	Common trinket snake	Mice	Weekly

Sr. No.	Reptiles / Others	Details of Diet/ animal	Daily / Weekly
1	King Cobra	Rat snake 1	Weekly
2	Cobra Indian	Rat / frog	Weekly
3	Common Krait	Small snake	Weekly
4	Crocodile (Gharial)	Fish 3 kg	Weekly
5	Crocodile (Marsh)	Buffalo Meat 3 kg	Weekly
6	Indian Python	Rabbit / Chicken live 1	Weekly
7	Snake keelback Striped	Mice / Lizzard 1	Weekly
8	Viper Russel's	Rat / Frog	Weekly
9	Snake Rat (Dhaman)	Rat / Frog	Weekly
10	Common sand boa	Rat / Frog	Weekly
11	Red sand boa	Rat / Frog	Weekly
12	Tortoise indian star	Mix vegetable 200 gm	Weekly
13	Black turtule	Turtle food 100 gm	Weekly
14	Red eared terrapin	Turtle food 100 gm	Weekly
15	Common wolf snake	Mice / Lizzard 1	Weekly
16	Green vine snake	Mice / Lizzard 1	Weekly

14. Vaccination Schedule of animals

Sr.No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
1	All Feline	Feline Panleukopenia, Feline Calcivirus, Feline Rehinotrachitis Rabies	Biofel- PCHR (1ml/Animal S/C)	Annual	
2	All Feline & Canine	Canine Distemper	Purevax- Ferret Distemper (Recombinant Vaccine) 1ml/Animal S/C	Annual	
3	All Canines	Canine Distemper Virus, Canine Adeno Virus, Canine Parvo Virus, Parainfluenza Rabies Leptospirosis	Nobivacshappi, NobivacLepto, Nobivac R	Annual	

15. De-worming Schedule of animals

Sl.No.	Species	Drug used	Month
1	All Carnivores	- Fenbadazole - Albendazole - Praziquantel, Pyrental - Ivermectin	very 3 month Interval
2	All Herbivores/ Birds/ Reptile	- Fenbadazole (Susp. Pnacur)	Every 6 month Interval

16. Disinfection Schedule

Sr.No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	All Carnivores/ Birds/ Herbivores/ Reptiles	- Night Shelter - Open Enclosure - Visitors area	- Chemical (Kohrsolin-TH) - Burning Method - Sodium Hypo chloride	Once in a week (Every Wednesday)

17. Health Check-up of employees for zoonotic diseases

All zoo personnel of Sakkarbaug Zoological Park were screened for various zoonotic diseases in the month of March-2022 for the year 2021-22 & all zoo personnel are found negative for zoonotic diseases. Also all zoo personnel were vaccinated Antirabies vaccine during the check-up.

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

- Renovation and Construction of Raptor bird aviary , Cranes and pelicans aviary.
- Renovation and Construction of water birds enclosure.
- Renovation and construction of terrapin enclosure.





19. Education and Awareness programmes during the year

Camp	Student	Teachers	Others	Total
16	414	44	112	570

20. Research Work carried out and publications

21. Important Events and happenings

Important events like celebration of Forestry day, World Environment day, Lion day and wildlife week Celebration etc. were celebrated during the year. Large numbers of students and citizen's were part of these celebration. Important happening involves the birth of wolves, Indian Gaur, Asiatic Lion, Stripped hyena, Indian wild dog, Spotted deer and sambar during the year.

22. Seasonal special arrangements for upkeep of animals

As per the season the diet chart of animals get modified by the veterinary officer. Along with the diet the cage get some modifications like shade and cooling effect during the summer season and heating effect by using heat generating instruments during the winter season. During very hot periods of April & May ice were added to the water for cooling and Mineral supplements were added to water for avoiding dehydration effect.

23. Conservation Breeding Programme of the Zoo

The Central Zoo Authority is coordinating a flagship programme of planned Conservation Breeding. Sakkarbaug Zoological Park has been allotted responsibility by the CZA for 7 conservation breeding programmes. SBZ is a coordinating zoo for Conservation Breeding Programme (CBP) for Asiatic Lion, Indian Wild Ass, Grey Wolf, Four horned Antelope and Asiatic Cheetah. It is a participating zoo for CBP of Chinkara and Vultures. Thus the zoo plays a vital and pivotal role in the conservation breeding of these endemic and endangered animals. There is a dedicated section of conservation breeding facilities.

- ASIATIC LION

Asiatic Lion Conservation Breeding program has been the most successful programme and we are striving to achieve more precision in our management and healthcare to take it to the next level. The SBZ is also the main source of pure breed Asiatic Lions to the Indian & International Zoos. We have been able to establish links with national and international zoos for information exchange and technology sharing. The state board for Wildlife of Gujarat has approved the proposal for “Long Term Conservation of Asiatic Lion in the year 2006. Among other measures proposed for the conservation of Asiatic Lions, it has been envisaged to establish an ex-situ gene pool population. Accordingly, three gene pool centers are established by Gujarat Forest Department in SBZ, at Rampara Wildlife Sanctuary and Barda Wildlife Sanctuary. Sakkarbaug Zoo is the nodal agency of this project.

BIRTH AND DEATH DATA

Year	BIRTH				Death			
	Male	Female	Other	Total	Male	Female	Other	Total
2021-22	18	27	45	30	9	10	0	19

- INDIAN WILDASS

The Indian Wild Ass is endemic to the Greater Rann and Little Rann of Kutch. SBZ has the largest captive population of Indian Wild Ass. It is noteworthy that captive Wild Ass is housed in SBZ and Madras Zoo and nowhere else in the world. There is a future plan to strengthen its captive breeding by procuring founder animals.

BIRTH AND DEATH DATA

Year	Birth				Death			
	Male	Female	Other	Total	Male	Female	Other	Total
2021-22	0	0	0	0	1	0	0	1

- VULTURE

The vulture breeding aviary was started in the zoo in April 2009. The vulture Conservation breeding Aviary and Hospital aviary are located far from the display area and is surrounded by vegetation to prevent any kind of disturbance. SBZ has four species of Vultures in captivity under CBP, namely White-backed Vulture, Indian Vulture, Eurasian Griffon Vulture and Red-necked Vulture. We have created all the required facilities at the breeding center such as artificial nesting sites and trees. In a significant development for the conservation of the endangered vulture species, the Sakkarbaug zoo has succeeded in breeding vultures in captivity.

BIRTH AND DEATH DATA

Year	Birth				Death			
	Male	Female	Other	Total	Male	Female	Other	Total
2021-22	0	0	1	1	0	0	4	4

- CHINKARA

In the Chinakara CBP ideal climate, good housing facilities, expertise have contributed for successful breeding in the beginning. Later on we have maintained the population for several years. We have reached the stage where we can plan for reintroduction of this species in the wild.

BIRTH AND DEATH DATA

Year	Birth				Death			
	Male	Female	Other	Total	Male	Female	Other	Total
2021-22	0	0	0	0	0	1	2	3

- FOUR HORNED ANTELOPE

Chausingha have been successfully reared and bred. We need more founder animals with different bloodline hence we need to procure more individuals for the Conservation Breeding Programme.

BIRTH AND DEATH DATA

Year	Birth				Death			
	Male	Female	Other	Total	Male	Female	Other	Total
2021-22	0	0	0	0	0	0	0	0

- INDIAN GREY WOLF

In the beginning of this Breeding Programme we did not have sufficient founder population. In the last 2-3 years by the exchange programmes we have raised our founder population from Udaipur Zoo, Jodhpur Zoo, Lucknow Zoo and Jaipur Zoo. We are concentrating on this programme to get more animals with different blood line for the successful breeding of wolf. Now we are making attempts to procure the Indian Grey wolf.

BIRTH AND DEATH DATA

Year	Birth				Death			
	Male	Female	Other	Total	Male	Female	Other	Total
2021-22	6	9	16	31	0	0	4	4

- ASIATIC CHEETAH

This particular breeding programme has not been initiated due to total lack of Founder population. It is immensely difficult to find a captive population of Asiatic Cheetah with any zoo or facility complexed with the fact that their population in the wild could be only between 50-70 individuals and found in a small area of Miandasht Wildlife Refuge, Iran.

24. Annual Inventory

INVENTORY FORM - 1st April-21 to 31st March-22

Schedule - I & II (*Wildlife Protection Act*)

SAKKARBAUG ZOOLOGICAL PARK, JUNAGADH, GUJARAT.

Sr. No.	Species	Scientific name	Stock				During the year												Stock									
			As on 01-04-21				Birth			Acquisitions			Disposal			Death			As on 31-03-22									
			M.	F.	U.	T.	M.	F.	U.	M.	F.	U.	M.	F.	U.	M.	F.	U.	M.	F.	U.	T.						
Birds																												
1	Peafowl	<i>Pavo cristatus</i>	1	2	4	7	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	8
2	Spoonbill White	<i>Platalea leucorodia</i>	1	1	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	5
3	Peafowl (White)	<i>Pavo cristatus</i>	6	0	2	8	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	5	0	2	7	
4	White Rumped Vulture	<i>Gyps bengalensis</i>	0	0	45	45	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	43	43
5	Indian Vulture	<i>Gyps Indicus</i>	0	0	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7
6	Eurasian Griffon	<i>Gyps fulvus</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
7	Himaliyan Griffon	<i>Himaliyan fulvus</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
8	King Vulture	<i>Sarcogyps calvus</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
9	Kalij Pheasant	<i>Lophura leucomelanos</i>	0	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	3	3
10	Great Indian Hornbill	<i>Buceros bicornis</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
11	Indian Pied Hornbill	<i>Anthracoceros malabaricus</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
	Total Birds		10	3	69	82	0	0	2	0	0	0	0	0	0	0	0	2	0	6	8	3	65	76				
Mammals																												
1	Four Horned Antelope *	<i>Tetraceros quadricornis</i>	5	5	9	19	0	0	0	0	0	0	1	2	1	0	0	0	4	3	8	15						
2	Indian Wolf *	<i>Canis lupus pallipas</i>	23	11	5	39	6	9	16	0	0	0	1	3	0	0	0	4	28	17	17	62						
3	Bear Sloth	<i>Melursus ursinus</i>	2	2	0	4	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	2						

4	Blackbuck*	<i>Antilope cervicapra</i>	0	0	16	16	0	0	8	0	0	0	0	0	7	0	0	7	0	0	10	10
5	Blackbuck (White) *	<i>Antilope cervicapra</i>	0	0	0	0	0	0	0	3	7	0	0	0	0	0	1	0	3	6	0	9
6	Chinkara *	<i>Gazella bennetti</i>	6	15	4	25	0	0	0	0	0	0	3	0	0	0	1	2	3	14	2	19
7	Wild Ass*	<i>Equus heminous khur</i>	6	5	0	11	0	0	0	0	0	0	3	1	0	1	0	0	2	4	0	6
8	Jackal	<i>Canis aureus</i>	1	1	2	4	0	0	2	0	0	0	0	0	0	0	0	0	1	1	4	6
9	Swamp Deer *	<i>Rucervus duvauceli</i>	2	7	4	13	0	0	3	0	0	0	0	0	0	0	0	0	2	7	7	16
10	Leopard *	<i>Panthera pardus</i>	41	23	4	68	0	0	0	17	19	3	26	22	3	3	2	3	29	18	1	48
11	Asiatic Lion *	<i>Panthera leo persica</i>	25	36	7	68	18	27	0	7	7	0	6	13	0	9	10	0	35	47	7	89
12	Macaque Bonnet	<i>Macaca radiata</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
13	Macaque Rhesus *	<i>Macaca mulatta</i>	4	3	3	10	0	0	0	0	0	0	0	0	0	0	1	0	4	2	3	9
14	Tiger Bengal	<i>Panthera tigris tigris</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
15	Tiger Bengal (White)	<i>Panthera tigris tigris</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1
16	Thamin Deer *	<i>Rucervus eldii</i>	2	3	8	13	0	0	0	0	0	0	0	0	0	0	0	3	2	3	5	10
17	Indian Bison	<i>Bos gaurus</i>	1	3	0	4	1	0	0	0	0	0	0	0	0	0	1	0	2	2	0	4
18	Malabar Giant Squirrel	<i>Ratufa indica</i>	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3
19	Nilgiri langur	<i>Trachypithecus johnii</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Indian Palm Civet Cat	<i>Paradoxurus hermaphroditus</i>	2	2	0	4	0	0	3	0	0	0	0	1	3	0	0	0	2	1	0	3
21	Small Indian Civet	<i>Viverricula indica</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
22	Jungle Cat*	<i>Felis chaus</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
23	Mouse Deer	<i>Tragulus meminna</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
24	Indian wild dog	<i>CuonalPinus</i>	3	5	0	8	0	0	1	0	0	0	1	1	0	0	0	0	2	4	1	7
25	Himaliyan black bear	<i>Ursus thibetinuslaniger</i>	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4
26	Great Indian Rhinoceros	<i>Rhinoceros unicornis</i>	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
27	Indian Ratel*	<i>Melivora capensis</i>	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Total Mammals		131	129	63	323	25	36	33	27	34	3	42	45	15	14	19	19	127	135	65	327

Reptiles

1	Cobra Indian	<i>Naja naja</i>	0	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
2	Common Krait	<i>Bungarus caeruleus</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
3	Crocodile (Gharial)	<i>Gavialis gangeticus</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
4	Crocodile (Marsh)	<i>Crocodylus palustris</i>	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
5	Indian Python	<i>Python molurus</i>	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
6	Viper Russell's	<i>Vipera ruselli</i>	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
7	Snake Rat (Dhaman)	<i>Ptyas mucosus</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
8	Burmese python	<i>Pythin bivittatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Reptiles		0	4	8	12	0	0	0	0	1	0	0	0	0	0	0	0	4	9	13	
	Total Animals		141	136	140	417	25	36	35	27	34	4	42	45	15	16	19	25	135	142	139	416

(*) Star Symbol they are identified sex and updated on 31/03/2022

INVENTORY FORM - 1st April-21 to 31st March-22
SAKKARBAUG ZOOLOGICAL PARK, JUNAGADH.
GUJARAT.

Exotic Species

Sr. No.	Species	Scientific name	Stock				During the year												Stock			
			As on 01-04-2021				Birth			Acquisitions			Disposal			Death			As on 31-03-2022			
			M.	F.	U.	T.	M.	F.	U.	M.	F.	U.	M.	F.	U.	M.	F.	U.	M.	F.	U.	T.

Birds

1	Budgeriger	<i>Melopsittacus undulatus</i>	0	0	24	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24
2	Cockatiel (Grey)*	<i>Nymphicus hollandicus</i>	0	0	5	5	0	0	0	0	0	0	0	0	0	0	0	1	0	0	4	4
3	Cockatiel (White)*	<i>Nymphicus hollandicus</i>	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
4	Emu	<i>Dromaius novaehollandiae</i>	0	0	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10

5	Pelican Rosy	<i>Pelecanus onocrotalus</i>	0	0	10	10	0	0	0	0	0	0	0	0	0	0	0	1	0	0	9	9
6	Pheasant Silver	<i>Lophura nycthemera</i>	0	2	7	9	0	0	0	0	0	0	0	0	0	0	0	2	0	2	5	7
7	Pheasant Golden	<i>Chrysolophus pictus</i>	0	0	7	7	0	0	0	0	0	0	0	0	0	0	0	1	0	0	6	6
8	Dusky Lory	<i>Pseudeos fuscata</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
9	Lady Amherst's Pheasant	<i>Chrysolophus amherstiae</i>	0	1	5	6	0	0	0	0	0	0	0	1	0	0	0	0	1	4	5	
10	African Grey Parrot	<i>Psittacus erithacus</i>	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2
11	Ostrich	<i>Struthio camelus</i>	1	1	5	7	0	0	0	0	0	0	0	0	0	0	1	1	1	4	6	
12	Blue and Yellow Macaw	<i>Ara ararauna</i>	1	1	1	3	0	0	0	0	0	0	0	0	0	0	1	1	1	0	2	
13	Sun Conure	<i>Aratinga solstitialis</i>	1	1	0	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	
14	Scarlet Macaw	<i>Ara macao</i>	1	0	1	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	
15	Green Peafowl	<i>Pavo muticus</i>	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	
16	Pineapple Conure	<i>Pyrrhura molinae</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
17	Green checked conure	<i>Pyrrhura molinae</i>	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
18	Blue Crowned Pigeon	<i>Goura cristata</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
	Total Birds		8	8	81	97	0	0	0	0	0	0	0	0	1	2	0	9	6	8	71	85
Mammals																						
1	Red Necked Wallaby	<i>Macropus rufogriseus</i>	0	0	1	1	0	0	2	0	0	0	0	0	0	0	1	0	0	2	2	
2	African Caracal	<i>Caracal caracal</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
	Total Mammals		1	0	1	2	0	0	2	0	0	0	0	0	0	0	1	1	0	2	3	
Reptile																						
1	Ball Python	<i>Python regius</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Total Reptiles		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Total Animals		9	8	82	99	0	0	2	0	0	0	0	1	2	0	10	7	8	73	88	

(*) Star Symbol they are identified sex and updated on 31/03/2022

INVENTORY FORM - 1st April-21 to 31st March-22
SAKKARBAUG ZOOLOGICAL PARK, JUNAGADH, GUJARAT.

Sr. No.	Species	Scientific name	Stock				During the year												Stock						
			As on 01-04-2021				Birth			Acquisitions			Disposal			Death			As on 31-03-2022						
			M.	F.	U.	T.	M.	F.	U.	M.	F.	U.	M.	F.	U.	M.	F.	U.	M.	F.	U.	T.			
Birds																									
1	Crane Demoiselle*	<i>Grus virgo</i>	1	0	9	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	9	10	
2	Common Crane*	<i>Grus grus</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
3	Flamingo (Greater)	<i>Phoenicopterus roseus</i>	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	
4	Koel (Asian)	<i>Eudynamys scolopaceus</i>	1	1	0	2	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	
5	Plum Headed Parakeet	<i>Psittacula cyanocephala</i>	5	0	13	18	0	0	0	0	0	0	1	0	0	1	0	9	3	0	4	7			
6	Parakeet Rose Ringed	<i>Psittacula krameri</i>	0	4	10	14	0	0	0	0	0	0	0	0	0	0	0	2	0	4	8	12			
7	Stork Painted	<i>Mycteria leucocephala</i>	0	0	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10		
8	Barn Owl	<i>Tyto alba</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
9	Alexandrine Parakeet	<i>Psittacula eupatria</i>	5	1	16	22	0	0	0	0	0	0	2	0	2	0	0	1	3	1	13	17			
10	Black Headed Seagull	<i>Chroicocephalus ridibundus</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1		
11	White Cockatoo	<i>Cacatua alba</i>	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2		
12	Spot Billed Duck	<i>Anas poecilorhyncha</i>	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	2			
13	Ibis (Black)	<i>Pseudidis papillosa</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2			
14	Ibis (Oriental White)	<i>Threskiornis melanocephalus</i>	1	4	0	5	0	0	0	0	0	0	1	1	0	0	0	0	0	3	0	3			
15	Steppe Eagle	<i>Aquila nipalensis</i>	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	2			
16	Sarus Crane	<i>Grus antigone</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1			
17	Red Jungle Fowl	<i>Gallus gallus</i>	0	0	23	23	0	0	71	0	0	0	0	0	6	0	0	27	0	0	61	61			
18	Black Swan	<i>Cygnus atratus</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3			
19	Electus Parrot	<i>Electus roratus</i>	1	1	0	2	0	0	0	0	0	2	0	0	0	0	0	0	1	1	2	4			
20	Sulphur Crested Cockatoo	<i>Cacatus galerita</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1			

21	Amazon Parrot	<i>Amazona aestive</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
22	Rainbow Lorikeet	<i>Trichoglossus moluccanus</i>	1	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	1	0	2	3
23	Eagle Owl	<i>Bubo bubo</i>	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	
24	Greater adjutant stork	<i>Leptoptilos dubius</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
25	Brown Fish Owl	<i>Bubo zeylonensis</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	
	Total Birds		20	16	99	135	0	0	71	0	0	4	5	2	8	1	0	42	14	14	124	152
Mammals																						
1	Deer Barking *	<i>Muntiacus muntjak</i>	3	2	28	33	0	0	2	0	0	0	0	0	4	0	0	5	3	2	21	26
2	Deer Hog	<i>Axis porcinus</i>	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
3	Deer Sambar	<i>Rusa unicolor</i>	11	0	2	13	0	1	6	0	0	0	4	2	8	1	1	0	6	-2	0	4
4	Deer Spotted *	<i>Axis axis</i>	13	5	7	25	0	0	19	0	0	0	0	0	0	0	6	13	5	20	38	
5	Hyena Striped	<i>Hyaena hyaena</i>	3	2	0	5	0	0	8	0	1	0	1	1	0	0	0	4	2	2	4	8
6	Porcupine (Indian)	<i>Hystrix indica</i>	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4	
7	Hippopotamus	<i>Hippopotamus amphibius</i>	2	1	1	4	0	0	0	0	0	0	0	0	0	0	0	2	1	1	4	
8	Common Marmoset	<i>Callithrix jacchus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
9	Goral	<i>Nemorhaedus goral</i>	0	0	6	6	0	0	0	0	0	0	0	0	0	0	4	0	0	2	2	
10	Leopard Cat	<i>Pironailurus bengalensis</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1
11	Desert Fox	<i>Vulpes vulpus pusilla</i>	1	1	0	2	0	0	1	0	0	0	0	0	0	0	0	1	1	1	3	
12	Blue bull	<i>Boselaphus tragocamelus</i>	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	1	1	2	4	
	Total Mammals		39	15	44	98	0	1	38	1	2	0	5	3	12	2	1	19	33	14	51	98
Reptiles																						
1	Common sand boa	<i>Eryx conicus</i>	0	0	3	3	0	0	0	0	0	0	0	0	0	0	2	0	0	1	1	
2	Red sand boa	<i>Eryx johnii</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Tortoise indian star	<i>Geochelone elegans</i>	4	1	43	48	0	0	0	0	0	0	0	0	0	0	9	4	1	34	39	
4	Black turtle	<i>Melanochelys trijuga</i>	1	0	10	11	0	0	0	0	0	0	0	0	0	0	0	1	0	10	11	
5	Red eared terrapin	<i>Trachemys scripta</i>	0	0	14	14	0	0	0	0	0	0	1	0	0	0	0	-1	14	13		
6	Common trinket snake	<i>Coelognathus helena</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	
7	Indian monitor lizard	<i>Varanus bengalensis</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	
	Total Reptiles		5	1	72	78	0	0	0	0	0	1	0	1	0	0	11	5	0	62	67	
	Total Animals		64	32	215	311	0	1	109	1	2	5	10	6	20	3	1	72	52	28	237	317

(1) (*) Star Symbol they are identified sex and updated on 31/03/2022

25. Mortality Report

MAMMALS							
Sr. No.	Species	Date	Male	Female	Unsex	Total	Cause of Death as diagnosed through Post-mortem.
1	Spotted Deer	17-04-2021	0	1	0	1	Death might be due to shock because of respiratory failure.
2	Leopard Cat	18-04-2021	1	0	0	1	Death might be due to shock because of respiratory failure and renal failure.
3	Red Necked Wallaby	18-04-2021	1	0	0	1	Death might be due to shock because of respiratory failure and hepatic failure.
4	Deer Thamin	26-04-2021	1	0	0	1	Death might be due to shock because of infight injury.
5	Indian gaur (DOB : 06-03-2021)	28-04-2021	0	1	0	1	Death might be due to shock because of peritonitis due to rupture of abomasum.
6	Sambar	02-05-2021	1	0	0	1	Death might be due to shock because of cardiac and hepatic failure.
7	Bengal Tiger (White)	04-05-2021	0	1	0	1	Death might be due to old age and it's consequence
8	Asiatic Lion (Patvad)(00-06B7-6320)	13-05-2021	0	1	0	1	Death might be death might be due to old age and its consequences.

9	Bengal Tiger	14-05-2021	1	0	0	1	Death might be due to shock because of respiratory and hepato renal failure.
10	Indian Wild Ass	14-05-2021	1	0	0	1	Death might be due to septic shock and respiratory failure.
11	Leopard (00-074D-4675)	17-05-2021	1	0	0	1	Death might be due to shock because of respiratory and hepato renal failure.
12	Leopard (00-06CD-DBDF)	18-05-2021	0	1	0	1	Death might be due to shock because of renal failure.
13	Asiatic Lion cub (Dharis 2's cub)	20-05-2021	0	1	0	1	Death might be due to respiratory failure.
14	Asiatic Lion cub (Jasadhar's cub)	20-05-2021	1	0	0	1	Death might be due to respiratory failure.
15	Sambar	24-05-2021	0	1	0	1	Death might be due to shock because of respiratory and hepatic failure.
16	Asiatic Lion (Gautam)	28-05-2021	1	0	0	1	Death might be due to shock because of respiratory and renal failure.
17	Rhesus macaque	30-05-2021	0	1	0	1	Death might be due to shock because of respiratory and hepatic failure.
18	Black buck Fawn	02-06-2021	1	0	0	1	Death might be due to shock because of cardiac and renal failure.
19	Lion	08-06-2021	1	0	0	1	Death might be due to old age and it's consequences.
20	Lion female(hemali)	17-06-2021	0	1	0	1	Death might be due to Shock because of respiratory and renal failure.

21	Leopard	27-06-2021	1	0	0	1	Death might be due to shock because of respiratory and hepatic failure.
22	Barking dear	04-07-2021	1	0	0	1	Death might be due to shock because respiratory failure.
23	Bengal Tiger (Prakruti).	04-07-2021	0	1	0	1	Death might be due to shock because respiratory and hepatic failure.
24	Barking dear	05-07-2021	0	1	0	1	Death might be due to shock because respiratory failure.
25	Asiatic lion cub (D-22's Cub)	06-07-2021	0	1	0	1	Death might be due to shock because of respiratory failure as a consequences of esophageal obstruction adjacent to trachea.
26	Asiatic lion cub (D-22's Cub)	14-07-2021	1	0	0	1	Death might be due to shock because respiratory failure as a result of pneumonia.
27	Black buck (white)	14-07-2021	0	1	0	1	Death might be due to shock because respiratory and renal failure.
28	Asiatic lion cub (Sasan, Arrival on 17-8-2020)	18-07-2021	1	0	0	1	Death might be due to shock because of respiratory failure as a consequences of esophageal obstruction at thoracic inlet.
29	Spotted Deer	18-07-2021	0	1	0	1	Death might be due to shock because of respiratory failure.
30	Bonet macaca	19-07-2021	0	1	0	1	Death might be due to multi organ failure because of old age.

31	Leopard (00-075F-B211)	24-07-2021	1	0	0	1	Death might be due to shock because of respiratory and hepato-renal failure due to old age.
32	Asiatic Lion (Babarkot cub)	13-08-2021	0	1	0	1	Death might be due to shock because of intussusception.
33	Black buck	14-08-2021	0	1	0	1	Death might be due to shock because of respiratory and cardiac failure.
34	Goral	17-08-2021	1	0	0	1	Death might be due to shock because of respiratory failure.
35	Spotted Deer	18-08-2021	1	0	0	1	Death might be due to shock because of fatal traumatic injury.
36	Spotted Deer	18-08-2021	0	1	0	1	Death might be due to shock because of fatal traumatic injury.
37	Spotted Deer	18-08-2021	1	0	0	1	Death might be due to shock because of fatal traumatic injury.
38	Asiatic Lion (Khyati)	23-08-2021	0	1	0	1	Death might be due to shock because of respiratory and hepatic failure.
39	Barking deer fawn	27-08-2021	0	1	0	1	Death might be due to shock because fatal infight injury.
40	Asiatic lion (Yash, 00-06CC-0DD6)	07-09-2021	1	0	0	1	Death might be due to Shock because of respiratory and renal failure
41	Asiatic lion cub (Jashadhar's cub)	09-09-2021	0	1	0	1	Death might be due to Shock because of circulatory and renal failure.

42	Leopard (00-06B8-8AC9)	21-09-2021	0	1	0	1	Death might be due to shock because of respiratory and circulatory failure.
43	Chinakara	23-09-2021	0	1	0	1	Death might be due to shock because of circulatory and respiratory failure.
44	Asiatic lion cub (Dam : Dhari 2)	29-09-2021	1	0	0	1	Death might be due to venomous snack bite.
45	Asiatic lion cub (Dam : Dhari 2)	29-09-2021	1	0	0	1	Death might be due to venomous snack bite.
46	Goral	02-10-2021	1	0	0	1	Death might be due to shock because of respiratory failure.
47	Barking Deer	11-10-2021	1	0	0	1	Death might be due to shock because of respiratory failure.
48	Black buck	14-10-2021	1	0	0	1	Death might be due to shock because of respiratory and circulatory failure.
49	Black buck	14-10-2021	0	1	0	1	Death might be due to shock because of respiratory failure.
50	Leopard (00-06CD-BCD4)	22-10-2021	1	0	0	1	Death might be due to shock because of respiratory and renal failure.
51	Black buck	31-10-2021	1	0	0	1	Death might be due to shock because of respiratory and renal failure.
52	Black buck	02-11-2021	0	1	0	1	Death might be due to shock because of diaphragmatic hernia.

53	Striped Hyena	03-11-2021	0	1	0	1	Death might be due to shock because of respiratory failure due to constricted under weight of mother hyena.
54	Striped Hyena	04-11-2021	0	1	0	1	Death might be due to shock because of respiratory failure due to constricted under weight of mother hyena.
55	Striped Hyena	06-11-2021	0	1	0	1	Death might be due to shock because of respiratory failure due to constricted under weight of mother hyena.
56	Black buck	13-11-2021	0	1	0	1	Death might be due to shock because of respiratory and hepto-renal failure.
57	Asiatic Lion cub (D12's)	25-11-2021	0	1	0	1	Death might be due to shock because of respiratory failure and septicaemia.
58	Stripped hyena cub	01-12-2021	0	1	0	1	Death might be due to Shock because of respiratory failure due to constricted under weight of mother hyena.
59	Spotted deer	11-12-2021	0	1	0	1	Death might be due to Shock because of respiratory failure because of fatal infight injury.
60	Asiatic Lion cub (D-22's Cub)	22-12-2021	1	0	0	1	Death might be due to shock because of respiratory failure.
61	Thamin deer	03-01-2022	0	1	0	1	Death might be due to shock Because of septicemia and infight injury
62	Chinkara	07-01-2022	1	0	0	1	Death might be due to shock Because of fatal and infight injury

63	Asiatic Lion cub (00-07AA-AA46)	20-01-2022	0	1	0	1	Death might be due to circulatory failure.
64	Indian Grey Wolf	23-01-2022	0	1	0	1	Death might be due to shock Because of respiratory failure might be due to constricted under weight of mother wolf.
65	Leopard (00-07BB-C8BD)	13-02-2022	1	0	0	1	Death might be due to shock because of hepato-renal failure.
66	Goral	13-02-2022	1	0	0	1	Death might be due to shock because of respiratory failure.
67	Leopard (00-06CD-5901)	16-02-2022	1	0	0	1	Death might be due to shock because of fatal infight injuries to neck region.
68	Chinkara	23-02-2022	0	1	0	1	Death might be due to shock because of fatal infight injuries to abdomen and inguinal hernia.
69	Indian Wolf Pup (A303)	08-03-2022	0	1	0	1	Death might be due to Shock because of Hepatic Failure.
70	Indian Wolf Pup (A205)	09-03-2022	0	1	0	1	Death might be due to Shock because of Hepatic Failure.
71	Indian Wolf (00-0659-0D15) (Jayati)	17-03-2022	0	1	0	1	Death might be due to Shock because of Fatal infight injuries in thorax and abdomen.
72	Goral	18-03-2022	0	1	0	1	Death might be due to Shock because of Respiratory Failure.

73	Asiatic Lion (00-06CB-F97D) (Babarkot)	28-03-2022	0	1	0	1	Death might be due to Shock because of Respiratory and renal Failure
74	Thamin Deer	28-03-2022	0	1	0	1	Death might be due to Shock because of Fatal infight injuries.
75	Barking Deer	28-03-2022	0	1	0	1	Death might be due to Shock because of Respiratory failure and Cardiac.
Total			32	43	0	75	

BIRDS

Sr. No.	Species	Date	Male	Female	Unsex	Total	Cause of Death as diagnosed through Postmortem
1	Ostrich	13-04-2021	1	0	0	1	Death might be due to shock because of hepatic failure.
2	Peafowl White	13-04-2021	1	0	0	1	Death might be due to respiratory failure and fatal infight injuries in head region,
3	Alexandrine parakeet	14-05-2021	1	0	0	1	Death might be due to shock because of respiratory and hepatic failure.
4	Silver Pheasant	15-05-2021	0	1	0	1	Death might be due to shock because of respiratory and hepatic failure.
5	Great Indian Hornbill	10-06-2021	1	0	0	1	Death might be due to old age and it's consequences.
6	Blue and yellow macaw	11-06-2021	0	1	0	1	Death might be due to old age and it's consequences.

7	Kalij pheasant	11-06-2021	0	1	0	1	Death might be due to shock because of fatal infight injury.
8	Scarlet macaw	16-06-2021	1	0	0	1	Death might be due to old age and it's consequences.
9	Cockatail grey	22-06-2021	1	0	0	1	Death might be due to shock because of fatal infight injury.
10	Steppe eagle	16-07-2021	0	1	0	1	Death might be due to old age and its consequences.
11	Green cheeched conure	25-07-2021	1	0	0	1	Death might be due to shock because of cardiac failure.
12	Pineapple conure	25-07-2021	0	1	0	1	Death might be due to shock because of cardiac failure.
13	Rose ring Parakeet	25-07-2021	1	0	0	1	Death might be due to shock because of respiratory and cardiac failure.
14	Red jungal fowl	09-08-2021	1	0	0	1	Death might be due to shock because fatal infight injury in head and neck.
15	Sun conur	30-08-2021	1	0	0	1	Death might be due to shock because of respiratory and cardiac failure.
16	Red jungle fowl	05-09-2021	1	0	0	1	Death might be due to shock because of hypothermia due to heavy rainfall.
17	Red jungle fowl	06-09-2021	0	1	0	1	Death might be due to shock because of hypothermia due to heavy rainfall.
18	Red jungle fowl	07-09-2021	0	1	0	1	Death might be due to shock because of hypothermia due to heavy rainfall.

19	Red jungle fowl	07-09-2021	0	1	0	1	Death might be due to shock because of hypothermia due to heavy rainfall.
20	Red jungle fowl	08-09-2021	1	0	0	1	Death might be due to shock because of hypothermia due to heavy rainfall.
21	Red jungle fowl	09-09-2021	0	1	0	1	Death might be due to shock because of hypothermia due to heavy rainfall.
22	Red jungle fowl	10-09-2021	0	1	0	1	Death might be due to shock because of hypothermia due to heavy rainfall.
23	Red jungle fowl	17-09-2021	1	0	0	1	Death might be due to shock because of hypothermia due to heavy rainfall.
24	Red jungle fowl	25-09-2021	0	1	0	1	Death might be due to shock because of hypothermia due to heavy rainfall.
25	Rosy Pelican	30-09-2021	1	0	0	1	Death might be due to shock because of respiratory and hepatic failure.
26	White Rumped Vulture	29-10-2021	1	0	0	1	Death might be due to shock because of dislocated cervical vertebrae due to traumatic injury.
27	King Vulture	03-11-2021	1	0	0	1	Death might be due to shock because of respiratory and Circulatory failure.
28	Red Jungle Fowl	10-11-2021	1	0	0	1	Death might be due to shock because of respiratory failure.
29	Red Jungle Fowl	19-11-2021	1	0	0	1	Death might be due to shock because of respiratory and hepatic failure.

30	Plum-headed parakeet	21-11-2021	1	0	0	1	Death might be due to shock because of dislocation of cervical vertebrae.
31	Red Jungle Fowl	23-11-2021	1	0	0	1	Death might be due to shock because of fatal infight injury in head.
32	Golden Pheasant	25-11-2021	0	1	0	1	Death might be due to shock because of fatal infight injury.
33	Red Jungle Fowl	01/12/2021	1	0	0	1	Death might be due to Shock because of fatal traumatic injury in head and neck
34	Plum Headed Parakeet	01-12-2021	0	1	0	1	Death might be due to Shock because of respiratory failure.
35	Plum Headed Parakeet	01-12-2021	0	1	0	1	Death might be due to Shock because of respiratory failure.
36	Red Jungle Fowl	01/12/2021	1	0	0	1	Death might be due to Shock because of fatal traumatic injury in head and neck
37	Red Jungle Fowl	05-12-2021	1	0	0	1	Death might be due to Shock because of fatal traumatic injury in head and neck region.
38	Red Jungle Fowl	06-12-2021	1	0	0	1	Death might be due to Shock because of fatal traumatic injury in head and neck.
39	Spot-billed duck	10-12-2021	1	0	0	1	Death might be due to Shock because of respiratory failure.
40	Red Jungle Fowl	10-12-2021	1	0	0	1	Death might be due to Shock because of fatal traumatic injury in head region.

41	Red Jungle Fowl	11-12-2021	1	0	0	1	Death might be due to Shock because of fatal traumatic injury in head and rump.
42	Red Jungle Fowl	12-12-2021	1	0	0	1	Death might be due to Shock because of fatal traumatic injury in head region.
43	Red Jungle Fowl	13-12-2021	1	0	0	1	Death might be due to Shock because of fatal traumatic injury in head region.
44	Kalij Phesant	13-12-2021	1	0	0	1	Death might be due to Shock because of Hepatic and respiratory failure.
45	Red Jungle Fowl	23-12-2021	1	0	0	1	Death might be due to shock because of fatal traumatic injuries to head region.
46	Plum Headed Parakeet	30-12-2021	1	0	0	1	Death might be due to Shock because of fatal traumatic injury in head and neck
47	Plum Headed Parakeet	30-12-2021	1	0	0	1	Death might be due to Shock because of fatal traumatic injury in head and neck
48	Plum Headed Parakeet	30-12-2021	1	0	0	1	Death might be due to Shock because of fatal traumatic injury in head and neck
49	Rose ring parakeet	30-12-2021	1	0	0	1	Death might be due to shock because of fatal infight injury in head region.
50	Plum headed parakeet	15-01-2022	0	1	0	1	Death might be due to shock Because of respiratory failure as a result of hypothermia.
51	Plum headed parakeet	15-01-2022	0	1	0	1	Death might be due to shock Because of respiratory failure as a result of hypothermia.

52	Red jungle fowl	15-01-2022	1	0	0	1	Death might be due to shock Because of fatal traumatic injury to rump region.
53	Silver Pheasant	26-01-2022	1	0	0	1	Death might be due to shock because of respiratory and hepatic failure.
54	Plum headed parakeet	26-01-2022	1	0	0	1	Death might be due to shock because of respiratory.
55	Plum headed parakeet	26-01-2022	1	0	0	1	Death might be due to shock because of respiratory.
56	Red Jungle Fowl	11-02-2022	1	0	0	1	Death might be due to shock because of fatal tramutic injuries to head region.
57	Red Jungle Fowl	15-02-2022	1	0	0	1	Death might be due to colibacillosis.
58	Red Jungle Fowl	28-02-2022	1	0	0	1	Death might be due to respiratory and hepatic failure.
59	Red Jungle Fowl	18-03-2022	1	0	0	1	Death might be due to Shock because of Fatal infight injuries on head and rump.
60	White Rumped Vulture	19-03-2022	1	0	0	1	Death might be due to Shock because of Respiratory Failure and old age.
61	White Backed Vulture (0774)	20-03-2022	0	1	0	1	Death might be due to Shock because of Respiratory Failure.
62	Barn Owl	29-03-2022	0	1	0	1	Death might be due to Shock because of Hepatic Failure.
	Total		44	18	0	62	

REPTILES

	Species	Date	Male	Female	Unsex	Total	
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Sr. No.							Cause of Death as diagnosed through Postmortem
1	Star Tortoise	29-04-2021	1	0	0	1	Death might be due to respiratory failure.
2	Star tortoise	11-05-2021	1	0	0	1	Death might be due to respiratory failure.
3	Star tortoise	15-05-2021	0	1	0	1	Death might be due to hepatic failure.
4	Star tortoise	04-06-2021	0	1	0	1	Death might be due to respiratory failure.
5	Star tortoise	22-06-2021	0	1	0	1	Death might be due to respiratory and hepatic failure.
6	Star tortoise	31-07-2021	1	0	0	1	Death might be due to respiratory failure.
7	Common sand boa	04-10-2021	1	0	0	1	Death might be due to shock because of hepatic failure.
8	Common sand boa	12-10-2021	0	1	0	1	Death might be due to shock because of visceral gout.
9	Star Tortoise	20-12-2021	1	0	0	1	Death might be due to respiratory failure.
10	Star Tortoise	25-12-2021	1	0	0	1	Death might be due to respiratory failure.
11	Star Tortoise	24-03-2022	0	1	0	1	Death might be due to Shock because of visceral gout.
	Total		6	5	0	11	

26. Natality Report

MAMMALS

Sr. No.	Species	Date of Birth	Number			
			Male	Female	Unsex	Total
1	Asiatic Lion Cub (Dam - Dhari 2 : Sire - Aankolvadi)	14-04-2021	0	3	0	3
2	Red Necked Wallaby	19-04-2021	0	0	1	1
3	Asiatic Lion Cub (Dam - Jashadhar : Sire - Aankolvadi)	25-04-2021	1	1	0	2
4	Swamp Deer	24-05-2021	0	0	1	1
5	Indian Wild dog	01-06-2021	0	0	1	1
6	Palm civet	12-06-2021	0	0	3	3
7	lion Cub(dam : Babarkot, Sire : dhari)	23-06-2021	0	1	0	1
8	Lion Cub (dam : D22 , Sire: Ankolvadi)	25-06-2021	2	1	0	3
9	Swamp Deer	03-07-2021	0	0	1	1
10	Red-necked Wallaby	04-07-2021	0	0	1	1

11	Barking deer	06-07-2021	0	0	1	1
12	Asiatic Lion cub (Sire : Dhari , Dam : D8)	08-07-2021	0	3	0	3
13	Swamp Deer	12-07-2021	0	0	1	1
14	Barking deer	17-07-2021	0	0	1	1
15	Asiatic Lion cub (Sire :Dhari , Dam : D30)	21-07-2021	0	1	0	1
16	Spotted Deer	22-07-2021	0	0	1	1
17	Indian gaur Calf	31-07-2021	1	0	0	1
18	Spotted deer	14-08-2021	0	0	1	1
19	Sambar deer	19-08-2021	0	0	1	1
20	Spotted deer	23-08-2021	0	0	1	1
21	Asiatic lion Cub (Dam: D-4)	16-09-2021	2	2	0	4
22	Asiatic lion Cub (Dam : Dhari 2 , Sire : Ankolvadi)	25-09-2021	3	0	0	3
23	Black buck	05-10-2021	0	0	1	1
24	Black buck	07-10-2021	0	0	1	1
25	Stripped Hyena	26-10-2021	0	0	2	2
26	Stripped Hyena	30-10-2021	0	0	3	3
27	Spotted deer	01-11-2021	0	0	1	1
28	Spotted deer	03-11-2021	0	0	1	1
29	Asiatic Lion cub (Dam : D14)	04-11-2021	1	2	0	3
30	Spotted deer	05-11-2021	0	0	1	1
31	Sambar	06-11-2021	0	0	1	1
32	Spotted deer	06-11-2021	0	0	1	1
33	Asiatic Lion cub(Dam : Sasan)	07-11-2021	1	0	0	1
34	Sambar	09-11-2021	0	0	1	1

35	Sambar	14-11-2021	0	0	1	1
36	Spotted deer	14-11-2021	0	0	2	2
37	Indian Gray Wolf pups (Sandhya*Tyson)	15-11-2021	1	4	0	5
38	Asiatic Lion cub (Dam : D9)	15-11-2021	2	2	0	4
39	Sambar	18-11-2021	0	0	1	1
40	Spotted deer	19-11-2021	0	0	1	1
41	Sambar	21-11-2021	0	0	1	1
42	Spotted deer	23-11-2021	0	0	1	1
43	Asiatic Lion cubs (Dam : D22)	23-11-2021	2	3	0	5
44	Sambar	28-11-2021	0	0	1	1
45	Spotted deer	30-11-2021	0	0	2	2
46	Indian Grey wolf (Sire : Dipak , Dam : Jaipur)	01-12-2021	0	0	6	6
47	Blackbuck	02-12-2021	0	0	1	1
48	Blackbuck	15-12-2021	0	0	1	1
49	Indian Grey wolf (Sire : Jaydeep , Dam : Prgya)	19-12-2021	0	0	6	6
50	Indian Grey wolf (Sire : Jayati's Pup , Dam : Prgya's Pup 1)	19-12-2021	0	0	4	4
51	Blackbuck	20-12-2021	0	0	1	1
52	Spotted deer	21-12-2021	0	0	1	1
53	Blackbuck	23-12-2021	0	0	1	1
54	Blackbuck	25-12-2021	0	0	1	1
55	Blackbuck	27-12-2021	0	0	1	1
56	Indian Grey Wolf	02-01-2022	2	4	0	6
57	Indian Grey Wolf	11-01-2022	3	1	0	4

58	Spotted Deer	17-01-2022	0	0	1	1
59	Spotted Deer	21-01-2022	0	0	1	1
60	Spotted Deer	27-01-2022	0	0	1	1
61	Lion cub (Sire : Trakuda, Dam : babarkot)	05-02-2022	1	1	0	2
62	Lion cub (Sire : Dhari-1, Dam : D-30)	09-02-2022	0	2	0	2
64	Lion cub (Sire : Liliya, Dam : D-12)	18-02-2022	0	1	0	1
65	Jackal	01-03-2022	0	0	2	2
66	Spotted deer	06-03-2022	0	0	1	1
67	Asiatic Lion cub (Sire:Dhari 2, Dam : D-1)	12-03-2022	1	1	0	2
68	Spotted deer	15-03-2022	0	0	1	1
69	Striped Hyena	18-03-2022	1	2	0	3
70	Bluebull	19-03-2022	0	0	2	2
71	Desert Fox	21-03-2022	0	0	1	1
72	Asiatic Lion cub (Sire:Dhoraji, Dam : Dhari -2)	22-03-2022	1	1	0	2
73	Asiatic Lion cub (Sire:Rajil, Dam : Dalki)	23-03-2022	1	0	0	1
74	Asiatic Lion cub (Sire:Ankolvadi, Dam : D-11)	27-03-2022	0	2	0	2
	Total		26	38	71	135

BIRDS

Sr. No.	Species	Date of Birth	Number			
			Male	Female	Unsex	Total
1	Red Jungle Fowl Chick	03-05-2021	0	0	3	3

2	Red Jungle Fowl Chick	09-05-2021	0	0	2	2
3	Red Jungle Fowl Chick	13-05-2021	0	0	5	5
4	Red Jungle Fowl Chick	14-05-2021	0	0	1	1
5	Red Jungle Fowl Chick	17-05-2021	0	0	4	4
6	Red Jungle Fowl Chick	21-05-2021	0	0	1	1
7	Red Jungle Fowl Chick	23-05-2021	0	0	5	5
8	Red Jungle Fowl Chick	27-05-2021	0	0	3	3
9	Red Jungle Fowl Chick	31-05-2021	0	0	4	4
10	Red Jungle Fowl Chick	04-06-2021	0	0	6	6
11	Red Jungle Fowl Chick	10-06-2021	0	0	8	8
12	Red Jungle Fowl Chick	16-06-2021	0	0	5	5
13	Red Jungle Fowl Chick	21-06-2021	0	0	6	6
14	Red Jungle Fowl Chick	25-06-2021	0	0	5	5
15	Red Jungle Fowl Chick	07-03-2022	0	0	3	3
16	Red Jungle Fowl Chick	08-03-2022	0	0	3	3
17	Red Jungle Fowl Chick	09-03-2022	0	0	4	4
18	Red Jungle Fowl Chick	10-03-2022	0	0	3	3
19	Peafowl	03-08-2021	0	0	1	1
20	White Rumped Vulture	25-01-2022	0	0	1	1
Total			0	0	73	73

REPTILES

Sr. No.	Species	Date of Birth	Number			
			Male	Female	Unsex	Total
	Nil					0
Total			0	0	0	0

27.Exchnage Program (Arrival and Disposal)

ACQUISITIONS FROM OTHER ZOO AND FOREST AREA, ETC. (1St April-21 to 31St March-22)

MAMMALS

Sr. No.	Species	Arrival	Number			
		Date	Male	Female	Unsex	Total
1	Asiatic Lion From SF, Dhoraji.	12-05-2021	0	1	0	1
2	Leopard From Bharuch Social Division.	13-05-2021	0	2	0	2
3	White black buck From Indroda Nature park, gandhinagar.	03-06-2021	3	7	0	10
4	Asiatic lion From Dedakani range, Mendarda. (00-0771-6B15)(Rescued animal Included in SBZP Stock)	23-12-2020	1	0	0	1
5	Asiatic lion From Dedakani range, Mendarda. (Rescued animal Included in SBZP Stock)	24-12-2020	1	0	0	1
6	Asiatic lion cub From Sasan Gir. (Rescued animal Included in SBZP Stock)	17-08-2020	1	0	0	1

7	Leopard from Jashadhar Range.	05-07-2021	1	3	0	4
8	Leopard From Sasan Gir.	14-07-2021	10	7	0	17
9	Leopard From Sasan Gir.	15-07-2021	5	6	0	11
10	Asiatic lion cub From Jafrabad.	22-07-2021	0	1	0	1
11	Leopard from Shetrunji Divison.	28-07-2021	1	1	0	2
12	Asiatic lion From Barada Lion Genepool centre.	29-07-2021	3	1	0	4
13	Blue bull From Zoo area.	21-08-2021	0	0	1	1
14	Blue bull From Zoo area.	22-08-2021	0	0	1	1
15	Asiatic Lion From barada Lion genepool centre.	25-08-2021	0	2	0	2
16	Rhinoceros Arrival from Patna Zoo, Bihar.	15-09-2021	0	1	0	1
17	Asiatic Lion D-5's cub from Barada genepool centre.	24-09-2021	1	1	0	2
18	Asiatic Lion Cub From Khambha.	15-10-2021	0	1	0	1
19	Hyena -1 (Arrival From Viridi, Valbhipur on 13-11-2020)	13-11-2020	1	0	0	1
20	Leopard cubs arrival from jamvala rescue centre.	02-12-2021	0	0	3	3
	Total		28	34	5	67

BIRDS

Sr. No.	Species	Arrival	Number			
		Date	Male	Female	Unsex	Total
1	Eclectus parrot Arrival from Sayajibaug Zoo, Baroda.	17-12-2021	0	0	2	2
2	Rainbow lorikeet Arrival from Sayajibaug Zoo, Baroda.	17-12-2021	0	0	2	2
	Total		0	0	4	4

REPTILES

Sr. No.	Species	Arrival	Number			
		Date	Male	Female	Unsex	Total
1	Monitor lizard from Zoo area.	19-08-2021	0	0	1	1
2	Russell's Viper from Zoo area.	27-08-2021	0	0	1	1

Total		0	0	2	2
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DISPOSAL (1St April-21 to 31St March-22)

MAMMALS

Sr. No.	Species	Disposal	Number			
		Date	Male	Female	Unsex	Total
1	Leopard sent to Greens zoological rescue and rehabilitation kingdom, jamnagar.	27-05-2021	2	9	0	11
2	Leopard Greens zoological rescue and rehabilitation kingdom, jamnagar.	03-07-2021	15	0	0	15
3	Asiatic Lion (Dhanfuliya)(00-07AA-9CAF) release in wild.	06-07-2021	1	0	0	1
4	Asiatic Lion (Aasha (00-0683-02BC/00-0683-0DEE), Amiya(00-06B7-5253)) Sent to Sasan Gir.	14-07-2021	0	2	0	2
5	Leopard Sent to Greens zoological rescue and rehabilitation kingdom, jamnagar.	16-07-2021	9	13	0	22
6	Asiatic Lion female cub return to jafrabad. (Arrival : 22-07-2021)	10-09-2021	0	1	0	1
7	Asiatic Lion { D-9's Cub (Male, 00-075F-8911) , D-8's Cub (Male, 00-075F-5264), D-1's Cub (Female, 00-075F-98A2), Pari (Female,00-0771-6598) , D-12's cub (Female, 00-075F-A4F8), D-13's Cub (Female,00-075F-AE92) } Sent to Patna Zoo, Bihar.	16-09-2021	2	4	0	6
8	Rhinoceros Sent to Sardar patel zoological Park, Kevdiya.	29-09-2021	0	1	0	1
9	Asiatic Lion . { D-4's Cub (Male, 00-075F-8FB5) , D-5's Cub (Female, 00-07BD-9C33) , D-13's Cub (Female, 968000010741886) } Sent to National Zoological Park, New Delhi.	25-09-2021	1	2	0	3
10	Four Horned Antelope Sent to National Zoological Park, New Delhi.	25-09-2021	0	1	0	1
11	Asiatic lion (jashadhr)(babarkot) sent to barda lion genepul centre	14-10-2021	0	2	0	2
12	Indian Wild Ass Sent to Sardar Patel Zoological Park, Kevdiya.	25-10-2019	2	0	0	2
13	Sambar Female Sent to Sardar Patel Zoological Park, Kevdiya.	28-09-2019	0	1	0	1
14	Blackbuck Sent to Greens Zoological Rescue and Rehabilitation centre , Jamnagar.	02-12-2021	2	5	0	7
15	Chinakara Sent to Greens Zoological Rescue and Rehabilitation centre , Jamnagar.	02-12-2021	3	0	0	3
16	Barking Deer Sent to Greens Zoological Rescue and Rehabilitation centre , Jamnagar.	02-12-2021	4	0	0	4
17	Four Horned antelope Sent to Greens Zoological Rescue and Rehabilitation centre , Jamnagar.	02-12-2021	1	0	0	1

18	Leopard cubs Sent to Greens Zoological Rescue and Rehabilitation centre , Jamnagar.	02-12-2021	0	0	3	3
19	Sambar Sent to Greens Zoological Rescue and Rehabilitation centre , Jamnagar.	03-12-2021	2	0	0	2
20	Indian Palm civet Sent to Greens Zoological Rescue and Rehabilitation centre , Jamnagar.	04-12-2021	0	0	4	4
21	Sambar Sent to Greens Zoological Rescue and Rehabilitation centre , Jamnagar.	04-12-2021	2	2	0	4
22	Sambar Sent to Greens Zoological Rescue and Rehabilitation centre , Jamnagar.	05-12-2021	2	0	3	5
23	Sambar Sent to Greens Zoological Rescue and Rehabilitation centre , Jamnagar.	07-12-2021	1	1	0	2
24	Indian Grey Wolf (jaysing,saloni,jayshree) sent to Saradar Patel Zoological Park, Kevdiya.	15-12-2021	1	2	0	3
25	Striped Hyena Sent to Saradar Patel Zoological Park, (Vikaram (Male) : Valbhipur (Female))	15-12-2021	1	1	0	2
26	Sloth bear Sent to Saradar Patel Zoological Park, Kevdiya. (Palanpur (male) : Karishma (Female))	15-12-2021	1	1	0	2
27	Indian Wild Ass Sent to Pradyuman Zoological Park, Rajkot Zoo.	15-12-2021	1	1	0	2
28	Four horned antelope Sent to Pradyuman Zoological Park, Rajkot Zoo.	16-12-2021	1	1	0	2
29	Indian Grey Wolf (jaya) Sent to Pradyuman Zoological Park, Rajkot Zoo.	16-12-2021	0	1	0	1
30	Wild dog Sent to Saradar Patel Zoological Park, Kevdiya	18-12-2021	1	1	0	2
31	Asiatic Lion Sent to Sayajibaug Zoo, Baroda.	18-12-2021	1	1	0	2
32	Ratel released	21-12-2021	0	0	1	1
33	Asiatic Lion (Jenil : Maheshvari's cub) Sent to Kamla Nehru Zoological Garden Kankaria, Ahmedabad.	07-03-2022	1	1	0	2
Total			57	54	11	122

BIRDS

Sr. No.	Species	Disposal	Number			
		Date	Male	Female	Unsex	Total
1	Lady Amherst's Pheasant Sent to National Zoological Park, New Delhi.	25-09-2021	0	1	0	1
2	Alexandrine parakeet Sent to Sardar Patel Zoological Park, Kevdiya.	28-09-2019	2	2	0	4
3	Plum-headed parakeet Sent to Sardar Patel Zoological Park, Kevdiya.	28-09-2019	1	0	0	1
4	Red Jungle Fowl Sent to Sardar Patel Zoological Park, Kevdiya.	28-09-2019	6	0	0	6
5	White ibis Sent to Sardar Patel Zoological Park, Kevdiya.	28-09-2019	1	1	0	2

6	Koel released	08-12-2021	1	1	0	2
	Total		11	5	0	16

REPTILES

Sr. No.	Species	Disposal	Number			
		Date	Male	Female	Unsex	Total
1	Red Eared Slider Turtle Sent to National Zoological Park, New Delhi.	25-09-2021	0	1	0	1
	Total		0	1	0	1

28. Status of the Compliance with conditions stipulated by the Central Zoo Authority

**Details on compliance of the conditions stipulated by the Central Zoo Authority
(as per the earlier letter of grant of recognition issued to the zoo)**

PART-II

**Details on compliance of the conditions stipulated by the Central Zoo Authority
(as per the earlier letter of grant of recognition issued to the zoo)**

Sr. No	Norm No.	Condition Stipulated	Time Period to Comply	Since when pending	Remarks
					Status with regard Compliance of the conditions as submitted by the Officer-in-charge of the Zoo
1 General requirements					
1	10.1(2)	The zoo operator should plant endemic large trees in various animal enclosures to provide shade and shelter to the animals.	With immediate effect	22.09.2009	Indigenous species are planted and planting of more trees will be taken up during monsoon.
2	10.1(3)	The zoo should be closed to the visitors' at least once a week.	With immediate effect	22.09.2009	Yes
3	10.1(3)	Viewing area for visitors at enclosures for animals should be restricted to 30% of the enclosure's perimeter and night shelters should be appropriately screened to avoid direct viewing.	One year	09.08.2016	The viewing area has been restricted to 30% by covering earlier open periphery.
4	10.1(5)	Perimeter wall should be provided all around the zoo including the newly acquired area.	31.12.2008	05.01.2005	Yes.
5	10.1(7)	At the old zoo, strengthening of drainage of excess water is needed.	With immediate effect	22.09.2009	Yes.
6	10.1(9)	The primary objective of the zoo shall be the conservation of wildlife. The domesticated species, like the domestic geese and ducks, and exotic birds like to budgerigars and love birds, kept either in the same aviary as wild birds or in adjoining aviaries should be removed forthwith form the zoo.	With immediate effect	22.09.2009	We build up a new aviary for exotic birds Avairy No.1 to 15
7	10.1(9)	The presence of free ranging wild animals in the zoo which also houses exotic animals should be avoided to prevent disease transmission between wild and captive animals.		22.09.2009	Done
2.Administrative and Staffing pattern:					

Sr. No	Norm No.	Condition Stipulated	Time Period to Comply	Since when pending	Remarks
					Status with regard Compliance of the conditions as submitted by the Officer-in-charge of the Zoo
8	10.2(1)	The financial powers of the zoo officer should be enhanced to Rs. 1.00 lakh, to purchase feed and medicine and carryout emergency repair of animal enclosures, as may be necessary for proper upkeep and care of the zoo animals.	31.12.2008	05.01.2005	According to Gujarat Financial Rate (GFR) all the DCF has power to purchase upto Rs.20000/- for more than 20000 they have to follow procedure of tendering and rate analysis.
9	10.2(2)	The zoo should post an official with a Masters degree in Wildlife Science / Zoology as a full time Curator, solely responsible for looking after the upkeep of animals and maintenance of animal enclosures.	31.12.2008	05.01.2005	Done
10	10.2(2)	The zoo should post Veterinarians of following description and educational qualifications : - Senior Veterinarian – should have minimum education qualification of B.V.Sc. & A.H. or equivalent with a minimum of 5 years experience of working in a zoo recognized by the Central Zoo Authority, and should be duly registered with the State Veterinary Council or Veterinary Council of India. Junior Veterinarian – Should have minimum educational qualification of B.V.Sc. and A.H. with diploma in zoo and Wildlife animal healthcare management or Masters degrees in Wildlife Disease and management from a recognized University, and should be duly registered with the State Veterinary Council or Veterinary Council of India.	31.12.2008	05.01.2005	Only Sr.Veterinary Officer presently posted. Advertisement for junior veterinarian is under process.
3 Development and Planning					
11	10.3(1)	The zoo should prepare a long-term master plan. A management plan should also be prepared giving details of the proposals and activities to be taken up for the development of the zoo in next six years. A copy of the plan should be made available to the Central Zoo Authority for considering providing necessary technical and financial assistance.	31.12.2008	05.01.2005	The Draft Master Plan has been submitted vide letter No. A/WLP/T.3/639-41, Dt.28-09-2016
12	10.3(3)	The isolation and quarantine ward placed near the police chowki in the corner of the zoo is under construction. It is suggested that the animal house behind the hospital area should not be used for isolation quarantine. This should be used only for treatment purposes.	Three months	22.09.2009	Isolation and quarantine board is constructed far from the zoo area.
13	10.3(3) & 10.9(6)	It is advisable not to have conservation breeding programme for Asiatic lions in the same area where exotic animals like African	With immediate effect	22.09.2009	African Cheetah cage is away from Asiatic Lion breeding centre.

Sr. No	Norm No.	Condition Stipulated	Time Period to Comply	Since when pending	Remarks
					Status with regard Compliance of the conditions as submitted by the Officer-in-charge of the Zoo
		cheetah are housed. This is serious concern for transmission of disease. If the animals for conservation breeding programme have to be released in wild for reintroduction, this could become a serious issue.			
14	10.3(6)	The zoo should prepare a collection plan of animals to be housed and displayed with due regard to the availability of land, water, electricity and climatic condition of the area in consultation with CZA.	31.12.2008	05.01.2005	Animals collection plan has been included in the master plan submitted as mention above however a revised collection plan has been submitted vide letter No. A/WLP/T.3/ 89-91, Dt.17-04-2017

4 Animal housing, display of animals and animal enclosures					
15	10.4(1)	The zoo should plant indigenous tree species in various animal enclosures to provide shade and shelter to the animals.	Six months	09.08.2016	Indigenous species are planted and planting of more trees will be taken up during monsoon.
16	10.4(1)	Viewing through the glass at enclosures for snakes etc. is difficult as one sees his / her reflection in the glass. This should be rectified by appropriately placing the glass with opening from the top for better lighting.	Six months	09.08.2016	The structure is very old and fragile so it is plan to shift snakes to better housing facilities.
17	10.4(2)	(i) The animal enclosures in old zoo needs to be re-designed keeping in view of the guidelines circulated by this Authority. (ii) The nest ledges which are made up of iron in bird aviaries especially where Spoonbills and White-Ibises, should be changed. It will be better if the ledges are made of wood to prevent any accident injury to the birds.	Six months Six months	22.09.2009	(i) Animals enclosure in the old zoo, specially some of the aviaries and reptile house are plan to be redesign and renovated. This is a time consuming exercises as the enclosures need to be vacated by shifting birds / reptile to some make shift arrangement. (ii) Provided
18	10.4(2)	1. The Sloth bear enclosure at the old zoo site need to enlarge or the bears should be shifted to the new enclosure. 2. The macaque enclosures need to be provided large space. 3. The White backed and long billed vultures housed off-exhibit in the aviary existing at the old zoo should be shifted to the off-exhibit Conservation Breeding Centre for Vultures created for the vultures at the zoo. 4. The aviaries should be provided with <i>kuchha</i> floor as well as the jungle cat enclosure should be also provided as a part of its enclosure with <i>kuchha</i> floor. 5. The aviaries should be provided with appropriate perches and roosting areas.	Six months Six months With immediate effect Three months Three months	22.09.2009	1. Done 2. Provided 3. already shifted 4. Provided

					5. Provided
19	10.4(2)	The feeding and retiring cell of the newly constructed Sloth bear enclosures should be provided appropriate screening to keep them away from the visitors view.	Three months	22.09.2009	Done
20	10.4(2) and 10.5(2)	(i) The drinking water troughs need to be enlarged in most large carnivore enclosure and should be submerged within the ground. (ii) The water pool provided in the Demoiselle crane aviary should be modified by reducing its height and water should be provided 24 hrs.	With immediate effect Three months	22.09.2009	Provided Provided
21	10.4(2)	Animal enclosures in old zoo need to be redesigned.	Six months	09.08.2016	Animals enclosure in the old zoo, specially some of the aviaries and reptile house are plan to be redesign and renovated. This is a time consuming exercises as the enclosures need to be vacated by shifting birds / reptile to some make shift arrangement.
22	10.4(3)	The nest ledges made up of iron in bird aviaries especially of spoonbills and White-Ibises should be changed.	Six months	09.08.2016	New wooden nest is provided in aviary
23	10.4(3)	The aviaries should be provided with <i>kuchha</i> floor as well as the jungle cat enclosure should also be provided, a part of its enclosure, with <i>kuchha</i> floor.	Six months	09.08.2016	Provided
24	10.4(3)	The aviaries should be provided with appropriate perches and roosting areas.	Six months	09.08.2016	Provided
25	10.4(6)	The used tyre provided in Rhesus macaque enclosures should be removed instead natural material should be provided.	With immediate effect	22.09.2009	Provided
26	10.4(6)	A water body and some enrichment should be provided in enclosure for Sloth bear.	Six months	09.08.2016	Provided

27	10.4(7)	Authorities of the zoo should carry out screening between all enclosures in the zoo and also between main circulation path and the enclosures.	Six months	09.08.2016	Yes.
28	10.4(7)	The enclosures for Nilgirilangur, Rhesus macaque and Bonnet macaque should be improved with proper screening.	Six months	09.08.2016	The Structure is very old and fragile very soon we plan to better housing facility for primates as per our new Master layout Plan.
29	10.4(9)	The space between the out moat wall and the stand-off barriers of enclosures of lion, Himalayan black bear and sloth bear should be planted with thick hedge of stout plants such as <i>duranta</i> and <i>clerodendronetc.</i>	31.12.2008	05.01.2005	Provided
30	10.4(9)	The zoo should plant hedge between the moat wall and the stand-off barrier.	Six months	22.09.2009	Provided
31	10.4(10)	The new enclosures need to provide with additional signage in proper format as most signage have become rusted and needs to be redone.	One year	22.09.2009	Provided
5 Upkeep and Healthcare of animals					
32	10.5(10)	The zoo should make arrangement for recording detailed observations relating to biological behaviour, population dynamics and veterinary care of exhibited animals. A detailed data base should be prepared and shared with the other zoos in the country.	31.12.2008	05.01.2005	All data is collected by CCTV camera monitoring of a species under conservation breeding programme
33	10.5(10)	Animal history sheets should be prepared for each and every animal of endangered species.	One month	22.09.2009	Prepared
34	10.5(10)	Appropriate arrangements for recording of biological behaviours and population dynamics of endangered species should be made by deputing Curator / Biologist of the Zoo.	With immediate effect	22.09.2009	Done
35	10.5(10)	Authorities of the zoo should maintain Animal History Cards, Treatment Cards, Keeper's Diary, Daily Report as specified by CZA.	Six months	09.08.2016	Treatment card for endangered species and daily report for all the animals are maintained reviewed.
6.Veterinary and infrastructure facilities					
36	10.6(5)	The zoo should post one qualified Lab. Assistant to assist the Sr. Veterinary Officer / Veterinary Officer.	31.12.2008	05.01.2005	Done, On Contract basis
7 Post-mortem and disposal of carcasses of animals					
37	10.7(1)	Post-mortem room should be improved with all required equipment.	Six months	09.08.2016	Done
38	10.7(4)	Should install an incinerator for disposal of carcass.	One year	09.08.2016	We already purchase incinerator equipment but room for put a equipment is under construction.
8.Euthanasia of the animals					

39	10.8(1)	The Zoo may explore the possibility of euthanasia of paralyzed Asiatic lion housed at the zoo.		22.09.2009	No.
9 Acquisition and breeding of animals					
40	10.9(1)	The zoo has excess number of Spotted deer (93 nos.) and Black bucks (65 nos.) in its collection. The Zoo Operator shall be responsible for ensuring that the number of animals of any species does not go beyond the holding capacity of the enclosures available in the Zoo and housing standards are not compromised for keeping the excessive numbers.	With immediate effect	22.09.2009	Male separation of spotted deer and blackbuck is carried out and surplus animal will be restocking in different sanctuary.
41	10.9(1)	The zoo shall keep in its collection only such number of animals and such species for which appropriate housing facility exists. The zoo operators will be responsible for ensuring that the number of animals of any species does not go beyond the holding capacity of the enclosures available in the zoo and housing standards are not compromised for keeping the excessive numbers.	31.12.2008	05.01.2005	We have plan to restocking some of the animals to near sanctuary area.
42	10.9(4)	The zoo should provide mates to the following animals: - (i) Male fox (ii) Male ratel (iii) Sarus crane	31.12.2008	05.01.2005	Mates is provided to Sarus Crain
43	10.9(4)	The Zoo Operator should procure appropriate mates for Porcupine and Civet cat.	Six months	22.09.2009	Provided
44	10.9(4)	Should acquire mate for Giant squirrel, Hippo, Hornbill, Cheetah, Cockatoo, Bison, Jungle cat and White tiger.	Six months	09.08.2016	Mates are provided to cockatoo, bison while the other mates for other animals the exchange will be carried out on priority basis.
45	10.9(4) and 10.9(6)	The zoo should participate in the Planned Breeding Programme of the Asiatic lion as approved by the Central Zoo Authority. For this purpose the zoo should exchange Asiatic lions with other identified zoos by way of breeding loan and gift.	31.12.2008	05.01.2005	Yes.
46	10.9(6)	Should implement advices given by the evaluating team in respect of Vulture Breeding Programme which was communicated vide CZA letter dated 22.09.2009.	Six months	09.08.2016	Yes.
47	10.9(9)	The zoo has large number of black buck and spotted deer in its collection. Appropriate population control measures, like separation of the sexes, sterilization and vasectomy should be undertaken to keep the population of these species within the holding capacity of the enclosures.	31.12.2008	05.01.2005	Male separation of spotted deer and blackbuck is carried out and surplus animal will be restocking in different sanctuary.

12.Visitors' facilities:					
48	10.12(3)	Access to handicapped persons should be provided to handicapped visitors where animals cannot be seen from the road.	Immediately	22.09.2009	Yes.
Other conditions:					
49	Section 38H (1) of the WildLife (Protection) Act, 1972	Eight Asiatic lions housed at Devaliya about 30 kms from the zoo premises under the control of Deputy Conservator of Forests, Sasan and also at Rampura being used for exhibition as zoo to the visitors in Safari mode. However, these animals are not shown in the inventory of animals submitted to the CZA. This is in violation of Section 38H (1) of the Wildlife (Protection) Act, 1972. Clarification be submitted.	Immediately	22.09.2009	Reference wide letter No.A/WLP/T.3/515-18 Dt.28-08-2016(Attached)
50	Section 38I of the Wild Life (Protection) Act, 1972	(i) The zoo should not acquire any animal in violation of the Wild Life (Protection) Act of Rules made there under. Prior to requisition of animals with respect to Schedule I & II necessary permission should have got obtained from the Central Zoo Authority.	With immediate effect	22.09.2009	We had already write a note Principal Chief Conservator of Forests

Recommendation with respect to the on-going Vulture Conservation Breeding Programme:

An off display breeding programme of White-backed Vulture (*Gyps bengalensis*) has been established. The following need to be changed / improved immediately:

Sl.	Norm	Condition Stipulated	Time Period to Comply	Since when pending	Remarks
					Status with regard Compliance of the conditions as submitted by the Officer-in-charge of the Zoo
1	10.4(3) and 10.4(6)	The four hospital room built for vultures are covered from all side with just a couple of windows. The roof and flooring are of concrete. There is very little perching provided to vultures in it. It is strictly advised to the zoo keeper to see that the flooring in none of the aviaries is solid. The hospital aviaries should have only ¼% of the area covered as a roof and rest should be open to sky with only netlon mesh at the top. It is advised to the Zoo Director to build the aviary according to the drawing circulated by the CZA in its workshop held at Pinjor	Immediately	22.09.2009	Done

Sl.	Norm	Condition Stipulated	Time Period to Comply	Since when pending	Remarks
					Status with regard Compliance of the conditions as submitted by the Officer-in-charge of the Zoo
		during 2006. Vulture develops bumble foot if they perch on hard surface for some time. Bumble foot is a deadly affliction.			
2	10.4(2)	The flight aviary is big and spacious and it appears that it has been designed as a display aviary for visitors than for the conservation programme. The aviary is much bigger than the dimensions given by the CZA. The aviary (30') is very high with gable roof. All the vultures who could, were sitting on the truss of the aviary. The truss is of iron pipes. At many places on the truss, no coconut rope is provided. The vulture could injure themselves if they collide with the truss. Only chain-link fence is provided on the ceiling. There is no netlon below the chain-link fence. The bird when they try to escape, hit the chain link fence. They could badly hurt in the process. There is also a possibility of their wing getting caught in the fold of the chain link fence. It could prove disastrous if the bird gets caught. Hence a layer of netlon should be provided below the chain link wire mesh. It would be very difficult to catch vultures in this aviary if any intervention has to be done because of the large size of the aviary.	Immediately	22.09.2009	Done
3	10.4(3)	The aviary has opening on all the sides. It is highly recommended that one or both the 40' walls are solid all over. The birds feel very secure by this. All concrete nest ledges have been provided in the aviary which house White-backed Vultures. White-backed Vulture has been found to have preference for hammocks or cots in other breeding centres. This is largely because in wild the bird nests on trees and not on the hard rocks. It would be good to give them nestling ledges which have wooden frame and a matting of jute.	Immediately	22.09.2009	We already given nestling ledges which have wooden frame and a matting of jute.
4	10.4(3)	The concrete nesting ledges have been distributed on all the four walls. The room like structure is made by extending the wall outside. The nest ledges have been put on all the three walls of this room like structure. There are no wooden perches for the vultures to land. Vulture will certainly find it cumbersome to get on the nest ledges as they would have to fly round the corner of the room like structure. The ledges face each other in the room and there is very little distance between them. This may lead to frequent fights among birds. It would be best to	Immediately	22.09.2009	We shifted all the Vultures in large aviary.

Sl.	Norm	Condition Stipulated	Time Period to Comply	Since when pending	Remarks
					Status with regard Compliance of the conditions as submitted by the Officer-in-charge of the Zoo
		have access to nest ledges directly without the birds having to fly in a closed area. The ledges should be spread out.			
5	10.5(2)	We were told that the Vultures are fed on freshly slaughtered buffalo meat. It was also mentioned that buffalo calf meat is usually offered to the vultures and it is presumed that the male calves are not treated with any drug. No care is taken to make sure that the meat is not poisoned by diclofenac. The drug Diclofenac, which is a non-steroidal anti-inflammatory drug, is given to cattle and goats for relief in pain and inflammation. The diclofenac has been found to be extremely toxic to vultures even in very low dosages and has been largely responsible for the near extinction of vultures. It is strongly recommended that either the vultures should be given only meat of freshly slaughtered goats after they have been kept with the zoo keeper for a minimum period of seven days. The diclofenac is excreted out of the body of an animal within 72 hours of administration. If the buffalo meat has to be given similar procedure should be followed as in goats. Even if one carcass in a year has diclofenac it will kill the entire population. It is imperative that none of the carcasses offered to vultures have diclofenac in them.	Immediately	22.09.2009	We give tested buffalo calf meat to Vultures and presently from beginning of the Vulture Breeding Centre at SBZP there is none of issue is recorded Vulture is death due to effect of diclofenac.

Sl.	Norm	Condition Stipulated	Time Period to Comply	Since when pending	Remarks
					Status with regard Compliance of the conditions as submitted by the Officer-in-charge of the Zoo
6	10.5(2) and 10.5(5)	There is only one water bath and there is no provision to clean it from outside without entering the aviary. It is always advisable to have at least two water troughs. One of the troughs could be kept empty during alternate weeks to prevent algal growth.	Immediately	22.09.2009	We empty the water point very alternate day and clean up the feeding space very alternate day and It is not possible to clean the water point without entering in the aviary.
7	10.5(6)	There are no hatches to access the nests ledges from outside. The hatches are important to monitor the nests. There should be hatches above the nest ledges.	Immediately	22.09.2009	Provided

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

MAMMALS	REPTILES	
Sambar	Cobra	Geko
Spotted Deer	Krait	Monitor Lizard
Mangoes	R.Viper	Skink
Fruit bat	Common Sand Boa	Chameleon
Squirrel	Rock Python	Crocodile
Hare	Garden Lizard	

BIRDS		
Flame back Woodpecker	Night Heron	Green Bee-eater
Barbet	Panted stork	White Throated Kingfisher
Coucal	Iora	Pied Kingfisher
Rose ring Parakeet	Tickell's blue Flycatcher	Hoopoe
Swift	Indian Robin	Comb Duck
Owlet	Magpie Robin	Indian Peafowl
Paradise fly catcher	Common Myna	Black Winged Stilt
Night jar	Brahminy Starling	Fantail
Mottled wood owl	Black crowned Sparrow Lark	Spot Billed Duck
Pigeon	Purple Sun Bird	Honey Bazzard
Eurasian Collared Dove	Sparrow	Darter
Common Coot	Citrine Wagtail	Cormorant
Francolin	Baya Weaver	Pond Heron
Ibis	Shilver Bill	Kite
Lapwing	Black Drongo	Shikara
	Small Minivet	