



Sakkar Baug Zoological Park, Junagadh

ANNUAL REPORT FOR THE YEAR 2017-18





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Photo: Bharat Bamania

Blue and Yellow Macaw

M. K. Vala, GFS

Member Secretary, SBZMAS &
Director, Sakkar Baug Zoological Park,
Junagadh



Director's Report

Sakkar Baug Zoological Park (SBZP) as one of the oldest zoo in the country. It was established by the then Nawab of Junagadh in 1863. It is categorized as a large zoo based on the Recognition of Zoo Rules 2009. SBZP extends over about 84 hectares of land under the foothills of Mount Girnar in Junagadh city. Presently the zoo is looking after and managing 113 species out of them 604 animals, 728 birds, 104 reptiles. Sakkar Baug 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 complete ex-situ conservation of endangered wild animals and to contribute to raise awareness is 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 200 Asiatic lions have been sent to different zoos across the country and abroad. The state budget is utilized every aspect of 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 center of excellence for the visitors by providing an opportunity of better understanding of the animal world with education and recreation. SBZP also serves the purpose of referral centre for veterinary care in addition to providing rescue facilities for the wild animals. Beside ex-situ conservation programs our zoo also actively funded and managing various in-situ conservation programs. SBZP is also managing genepool population scientifically to maintain genetic heterozygosity in next generation Asiatic Lion, Indian WildAss, Indian Grey Wolf & Vulture.

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. This year "Plastic Free India" campaign took place from 3rd March to 5th June, 2018. The participant were sensitized on the need of environment conservation and were inspired to keep their environment clean.

I sincerely convey my gratitude to Shri G. K. Sinha, IFS, Principal Chief Conservator of Forests, Wildlife, Gujarat State, Gandhinagar & Dr. A. P. Singh, IFS, Chief Conservator of Forests, Wildlife Circle, Junagadh, Dr. D. N. Singh, 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 Shri R. V. Rathod, Assistant Director & Curator, Dr. R. F. Kadivar, Veterinary Officer, Ms. Aarti Chavda, Biologist, Shri Bharat P. Bamaniya, Storekeeper, Shri Mahesh Dobariya, Data Entry Operator had contributed in the preparation of this report. I also thankful to all zoo personnel and wish them a bright future and improvement.

(M. K. Vala)

Director,

Sakkar Baug Zoological Park, Junagadh

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1. 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 Sakkar Baug, 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 a 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.



- **Total area: 84 ha.**

- **Total number of species: 113**

- **Total number of animals: 1436**

- **Total staff: 85**

2. 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.

3. Mission

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

4. Objectives

The National Zoo Policy states:

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



Thus Zoo has keeping with the above goals 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.

5. About us

Sr. No.	Particulars	Information
Basic Information about the Zoo		
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)	05-05-2017
11	Category of zoo	Large Zoo
12	Area (in Hectares)	84 Ha.
13	Number of Visitors (Financial Year)	Adult : 761135 Children : 377969 Total Indian : 1139081 Total Foreigners : 23 Total Visitors: 1139104
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



Sr. No.	Particulars	Information
Management Personnel of the zoo		
16	Name with designation of the Officer in-charge	Shri M. K. Vala, GFS, Director, Sakkarbaug Zoological Park, Junagadh
	Name of the Veterinary Officer	Dr. R. F. Kadivar Veterinary Officer, Sakkarbaug Zoological Park, Junagadh
	Name of the Curator	Shri Ravirajsinh V. Rathod Assistant Director & Curator, Sakkarbaug Zoological Park, Junagadh
	Name of the Biologist	1. Mrs. Hemaxi Danidhariya 2. Ms. Aarti Chavada
	Name of the Education Officer	Shri Jyotirmay Buch
	Name of the Compounder/ Lab Assistant	Ms. Ankita Jani
Owner / Operator of the Zoo		
17	*Name of the Operator	Shri. Arvind Agrawal, IAS Additional Chief Secretary (Forests & Environment)
18	Address of the Operator	Additional Chief Secretary (Forests & Environment) Forests & Environment Department, Block 14, 8 th floor, Gandhinagar
19	Contact details / Phone number of Operator	079-23251051 / 23251053
20	E-mail address of Operator	ds-f-fed@gujarat.gov.in

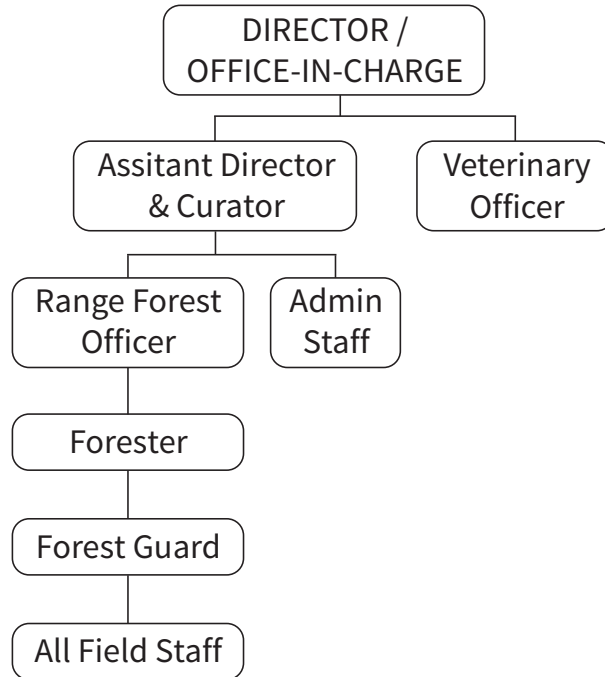
* Rule 2(m) of the Recognition of Zoo Rules, 2009.

“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.



6. Organizational Chart



7. Human Resources

Manpower of the Zoo

Sr. No.	Post	Sanction Post	Filled Post	Vacant Post
1	2	3	4	5
1	Director	1	1	0
2	Assistant Director & Curator	1	1	0
3	Veterinary Officer	1	1	0
4	Range Forest Officer	1	0	1
5	Forester	1	1	0
6	Accountant Group-1	1	1	0
7	Accountant	1	1	0
8	Storekeeper cum Supervisor	1	1	0
9	Clerk	3	0	3
10	Bagvan cum Mechanic	1	0	1
11	Driver	1	1	0
12	Forest Guard	3	3	0
13	Zoo Nayak	1	1	0
14	Peon	1	0	1
15	Gardner	1	0	1
16	Watchman	16	6	10
17	Sweeper	4	0	4
18	SBZMAS Staff	60	60	0
	TOTAL	99	78	21





STAFF MEMBER OF SBZP YEAR 2017-18



FIELD STAFF MEMBER OF SBZP YEAR 2017-18



8. Capacity Building of zoo personnel

Sr. No.	Name and designation of the zoo personnel	Subject matter of Training	Period of Training	Name of the Institution where the Training attended
1	Shri M. K. Vala, Director	Conference on "VISION 2030 of the zoos in India"	18th to 21st December, 2017	Sri Chamarajendra Zoological Gardens, Mysuru

Capacity Building of Zoo staff

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	Shri D. G. Bloch, (Watchman)	CZA VISION 2030	19th Feb to 25th Feb- 2018	Sakkarbaug Zoological Park, Junagadh
2	Shri Mansukh Masari Kher, (Labour)			
3	All Zoo Staff of SBZP	Team Building	22 March	



PARTICIPANTS OF ANIMAL KEEPER'S TRAINING WITH SBZP OFFICIAL

9. 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, Sasan Gir– 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

10. 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
- c. Dates on which meeting held during the year : Quarterly

11. Statement of income and expenditure of the Zoo (2017-18)

Sr. No.	TOTAL INCOME		EXPENDITURE		REMARKS
	STATE	SBZMAS	STATE	SBZMAS	
1	101212 (Tender Fees)	22041259 (Visitors Entry Charge, Parking Charge, etc)	34614000 (Budget allocation from state)	26784000 (Expenditure as per APO)	-

12. Daily feed Schedule of animals

Sr. No.	Feed	Quantity per day	Cost of Rupees
1	Mixed Vegetables	70 Kg	2100.00
2	Fruits	55 Kg	1800.00
3	Bread	3 Loaves	54.00
4	Pulses & Cereals	97.5 Kg	4514.00
5	Eggs	50 Eggs	228.00
6	Meat (Carabeef, Veal, Fish, Chicken)	562 Kg	58151.00
7	Green fodder (Lucerne + Maize)	1600 Kg	8600.00
8	Amul Nutrich feed pellets	75 Kg	1875.00
		Total	77322.00



Species wise feed schedule of birds 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	Fish 100 gm	Daily
3	Peafowl (White)	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
4	White-rumped Vulture	Calf Meat 1.5 kg	Alternate day
5	Indian Vulture	Calf Meat 1.5 kg	Alternate day
6	Eurasian Griffon	Calf Meat 1.5 kg	Alternate day
7	Himaliyan Griffon	Calf Meat 1.5 kg	Alternate day
8	King Vulture	Calf Meat 1.5 kg	Alternate day
9	Kalij pheasant	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	Daily
10	Red Junglefowl	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 Vegetables 50 gms Mixed fruits 25 gms	Daily
11	Shikra	Chicken 150 gms	
12	Budgeriger	(Rala) Kang 10-15 gms Palak Few leaves Bajara, Maize & Pea Mixture 30 gms	Daily
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)	Daily
15	Common crane	Dangar 40 % (Grams) Chana 20 % Fish 100 gms	
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



Sr. No.	Birds	Details of Diet / animal	Daily / Weekly
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 gms Palak 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	Daily
22	Rose-ringed Parakeet	Sunflower seed 20 gm	
23	Pelican Rosy	Fish 400 gm	Daily
24	Pheasant Silver	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	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 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	Daily
33	Marsh Harrier	Chicken 100 gms	Daily
34	Brahminy Kite	Chicken 100 gms	Daily
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



Sr. No.	Birds	Details of Diet / animal	Daily / Weekly
38	Lady Amherst's Pheasant	Poultry feed 25 gms Wheat 30-40 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	Daily
39	African Grey Parrot	Mixed Fruits 60 gm Palak or green leaves. 50 gms Jawar, Maize, Bajara 100 gms Bread 25 gms	Daily
40	Indian Pied Hornbill	Papaya 50 gms Apple 50 gms	Daily
41	Zebra Finch	(Rala) Kang 10-15 gms Palak Few leaves Bajara, Maize & Pea Mixture 50-60 gms	Daily
42	Green Pheasant	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	Daily
43	Ostrich	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.	Daily
44	Blue and yellow Macaw	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
45	Sun Conure	Mixed grains 10 gms Mixed fruits 10 gms	Daily
46	Spot billed duck	Duck mixture Bajara 35% Juvar 5% Fishmeal 8 % Mineral mixture 3 % Peddy 10 % Sun flower 4 % 100-200 gm	Daily
47	Ibis (Black)	Fish 100 gm	Daily
48	Rudy shelduck	Duck mixture Bajara 35% Juvar 5% Maize 30 % Fishmeal 8 % Mineral mixture 3 % Peddy 10 % Sun flower 4 % 100-200 gm	Daily
49	Bonelli's eagle	Chicken 300 gm	Daily
50	Steppe Eagle	chicken 500 gm	Daily
51	Sarus Crane	Crain mixture. 100-150 gms (Jawar) 40 % (Peddy) Dangar 40 % (Grams) Chana 20 % Fish 200 gms	Daily
52	Black Swan	Vegetable 300 gm Soya 5 gm Lucern 150 gm Mixed grains 200 gm Poultry 100 gm	Daily
53	Eclectus Parakeet	Peanut 20 gm Mixed fruits 50 gm sunflower seed 50 gm	Daily
54	Sulphar-crested Cockatoo	Peanut 20 gm Mixed fruits 50 gm sunflower seed 50 gm	Daily



Sr. No.	Birds	Details of Diet / animal	Daily / Weekly
55	Amazon Parrot	Peanut 20 gm Mixed fruits 50 gm sunflower seed 50 gm	Daily
56	Rainbow Lorikeet	Peanut 20 gm Mixed fruits 35 gm sunflower seed 30 gm	Daily

Species wise feed schedule of Mammals in the zoo

Sr. No.	Mammals	Details of Diet / animal	Daily / Weekly
1	Four horned antelope	Green maize/juwar 3 kg Green Lucern 1.5 kg Concentrate palletes 200 gm Soaked grams 200 gm	Daily
2	Indian Wolf	Buffalo Meat 1 kg Chicken 1 kg Canine Biscuits 100 gm	Daily
3	Bear Sloth	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	Daily
4	Blackbuck	Green maize/juwar 4 kg Green Lucern 2 kg	Daily
5	Blackbuck (White)	Concentrate palletes 200 gm Soaked grams 200 gm	Daily
6	Chinkara	Green maize/juwar 3 kg Green Lucern 1.5 kg Concentrate palletes 200 gm Soaked grams 200 gm	Daily
7	Wild Ass	Green maize/juwar 16kg Green Lucern 8 kg Concentrate palletes 500 gm Soaked grams 800 gm	Daily
8	Jackal	Buffalo Meat 1 kg	Daily
9	Swamp Deer	Green Fodder (Maize/Juvar + Lucerne) 15 kg Dry fodder (G,nut hay) 3 kg Chana 500 gm Concentrate Palletes 500 gms	Daily
10	Leopard	Buffalo meat 3 kg	Daily
11	Indian Lion	Buffalo meat 6-10 kg, Lion cub below 6 months: calf meat 1-2 kg	Daily
12	Macaque Bonnet	Banana Two pieces Tomato 25 gm Onion 25 gm	Daily
13	Rhesus Monkey	Green leaves (palak + coriander) 50 gm Potato 100 gm Carrots 100 gm Guava / Apple / cheeku 150 gm bread 100 gm Chana 50 gm	
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



Sr. No.	Mammals	Details of Diet / animal	Daily / Weekly
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 Ground nut 25 gm Boiled rice 30 gm	Daily
21	Indian Palm Civet Cat	Beef with bone 300 gms Banana 2 nos. Milk 50 ml	Daily
22	Small Indian Civet	Bread slice 2 nos.	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 200 gm 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 200 gm	Daily
31	Hyena Striped	Buffalo meat 2.5 kg	Daily
33	Porcupine (Indian)	Potato 150 gms Cabbage 200 gm Carrot 100 gm	Daily
34	Porcupine (White)	Bringle 200 gm Dudhi 200 gm Cucumber 150 gm	
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
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



Species wise feed schedule of Reptiles in the zoo

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	Striped Keelback	Mice / Lizard 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 turtle	Turtle food 100 gm	Weekly
14	Red eared terrapin	Turtle food 100 gm	Weekly
15	Common wolf snake	Mice / Lizard 1	Weekly
16	Green vine snake	Mice / Lizard 1	Weekly
17	Banded racer	Mice / Lizard 1	Weekly
18	Common trinket snake	Mice	Weekly

13. Vaccination Schedule of Animals

Sr. No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Re-remarks
1	All Feline	Feline Panleukopenia, Feline Calcivirus, Feline Rhinotrachitis 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	Nobivac Dhappi, Nobivac Lepto, Nobivac R	Annual	



14. De-worming Schedule of Animals

Sr. No.	Species	Drug used	Month
1	All Carnivores	- Fenbadazole - Albendazole - Praziquantel, Pyrental - Ivermectin	Every 3 month Interval
2	All Herbivores / Birds / Reptile	--- “”----	Every 5 month Interval

15. 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	- Chemical (Kohrsolin-TH) - Burning Method	Once in a week (Every Wednesday)



Disinfection by Burning



Disinfection by Chemical



16. 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-2018 for the year 2017-18 & all zoo personnel are found negative for zoonotic diseases.



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

- Two New enclosure for Indian Wolf were constructed for conservation breeding programme.
- CC work in different bird enclosure (Crane, Eagle, Hornbill, White Peafowl, Black Swan, Flamingo)
- New drinking water facility created at entry point.
- We have prepared signage's with good content which include the behaviour and biology of the animals/ Species displayed in enclosures for the education and awareness.
- We have prepared Diorama of various Animals and Birds to beautify the Zoo.



18. Education and Awareness programmes during the year

Camp	Student	Teachers	Resource Person	Total
32	1557	105	153	1815



Painting Competition



World Lion Day



Snake Day Seminar



World day to Combat Desertification and Drought



Nature Education Camp



Capacity Building Seminar



19. Important Events and happenings

Important events like celebration of Forestry day, World Environment day, Lion day and wildlife week Celebration etc. were observed during the year. Large numbers of students were part of these celebration. Important happening involves the birth of wolves, hog deer, Indian Gaur and Barasingha during the year.



Planting of Tree



Celebration of Lion Day



World Yoga Day 2017



Successful captive breeding of Hog Deer



Successful captive breeding of Indian Wolf



Successful captive breeding of Indian Gaur



20. 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.



Disinfection of enclosure according to season



Hygienic food preparation and distribution



Providing foggers in enclosure / aviary



Providing proper shelter using natural materials



Removing weed from enclosure



Cover aviary with agrinet



21. Research Work carried out and publications

Research work on allocation of Asiatic Lion to the different countries in their present status was carried out by M.Sc. Zoology student of Gujarat University.

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Ref. No. BKNMU/ DLS /JVR /Diset/2017-18/1

Date: 13-4-18

CERTIFICATE

This is to certify that the present dissertation work entitled, **“Allocation of Asiatic lions to the zoo’s of different country and their present status”** submitted by Ms. Mahek A. Raval comprises of original and independent work that has been carried out under my supervision for fulfilment of her M.Sc. in Life Science. This work was carried out at Bhakta Kavi Narsinh Mehta University, Jungadh during the academic year 2017-18.

Dr. Jatin V. Raval
Guiding Teacher
Department of Life science,
Bhakta Kavi Narsinh Mehta University
Jungadh - 362263

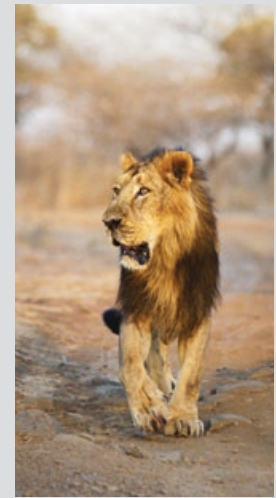
22. Conservation Breeding Programme of the Zoo

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 2017-18

Year	Birth				Death			
	Male	Female	Other	Total	Male	Female	Other	Total
2017-18	3	4	0	7	2	7	0	9

INDIAN WILD ASS

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.

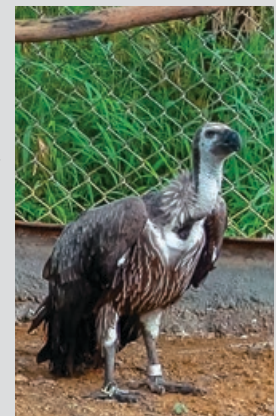


BIRTH AND DEATH DATA 2017-18

Year	Birth				Death			
	Male	Female	Other	Total	Male	Female	Other	Total
2017-18	1	0	0	1	0	0	0	0

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 2017-18

Year	Birth				Death			
	Male	Female	Other	Total	Male	Female	Other	Total
2017-18	0	0	4	4	4	2	0	6



CHINKARA

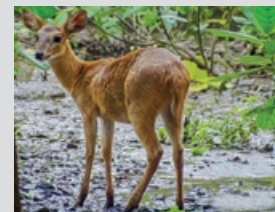
In the Chinakara CBP ideal climate, good housing facilities, expertise have contributed for successful breeding in the beginning. Later on we have maintained the population for several years. We have reached the stage where we can plan for reintroduction of this species in the wild.

**BIRTH AND DEATH DATA 2017-18**

Year	Birth				Death			
	Male	Female	Other	Total	Male	Female	Other	Total
2017-18	0	0	10	10	3	3	1	7

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 2017-18**

Year	Birth				Death			
	Male	Female	Other	Total	Male	Female	Other	Total
2017-18	0	0	2	2	1	0	0	1

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 2017-18**

Year	Birth				Death			
	Male	Female	Other	Total	Male	Female	Other	Total
2017-18	3	1	0	4	1	0	0	1

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.

**BIRTH AND DEATH DATA 2017-18**

Year	Birth				Death			
	Male	Female	Other	Total	Male	Female	Other	Total
2017-18	0	0	0	0	0	0	0	0



23. Animal acquisition / transfer / exchange during the year

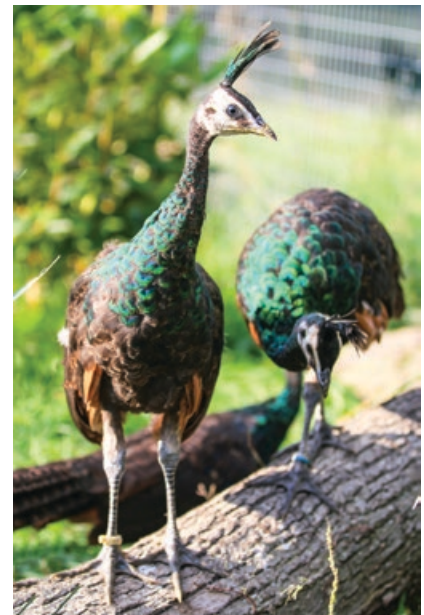
A. Animals arriving in the Zoo					
H. NO.	Species	Number (M:F)	From which Zoo	Date of arrival in the zoo	
-	Blue & Yellow Macaw	(1:1)	Prague Zoo	06-09-2017	
-	Scarlet Macaw	(1:1)	-"-		
-	Green Peafowl	(1:1)	-"-		
B. Animals going from the zoo					
H. NO.	Species	Number (M:F)	Going to which Zoo	Date of deposition from the zoo	
----- NIL -----					



Blue & Yellow Macaw



Scarlet Macaw



Green Peafowl

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

Sr. No.	Date of Rescue	Species with number of animals rescued with their sex (M:F:U:T)					Received from	Action taken	
		Species	M	F	U	T		Date and Place of rehabilitation in their habitat	Reasons for housing in the zoo, if not released in their habitat
MAMMALS									
1	12/04/2017	Lion (cub)	0	1	0	1	Nageshwar, Babarkot	-	In Zoo
2	27/04/2017	Rhesus Macaque	1	0	0	1	Kutch West Forest Dept.	-	In Zoo



Sr. No.	Date of Rescue	Species with number of animals rescued with their sex (M:F:U:T)					Received from	Action taken	
		Species	M	F	U	T		Date and Place of rehabilitation in their habitat	Reasons for housing in the zoo, if not released in their habitat
3	06/06/2017	Rhesus Macaque	1	0	0	1	Porbandar Forest Dept.	-	Release
4	08/07/2017	Lion (cub)	0	1	0	1	Jasadhar Range, Dhari	-	In Zoo
5	14/07/2017	Lion (cub)	1	2	0	3	Jasadhar Range, Dhari	-	3 In Zoo & 1 Death
6	22/07/2017	Chinkara	0	0	1	1	Kutch West Forest Dept.	-	In Zoo
7	02/08/2017	Lion (cub)	1	0	0	1	Dungarpur	-	Release
8	19/08/2017	Lion (cub)	1	0	0	1	Dungarpur	-	Release
9	19/08/2017	Chinkara (Fawn)	0	0	1	1	Dakshin Range, Bhuj	-	In Zoo
10	20/08/2017	Lion (cub)	1	0	0	1	Ranshivav Revenue	-	Release
11	25/08/2017	Rhesus Macaque	0	1	0	1	Dhoraji	-	Release
12	07/09/2017	Blackbuck	1	0	0	1	Barda Sanctuary	-	In Zoo
13	28/09/2017	Rhesus Macaque	0	1	0	1	Vanthli	-	Death
14	04/10/2017	Lion (cub)	1	0	0	1	Dungarpur	-	In Zoo
15	16/10/2017	Leopard	1	0	0	1	Dungar Dakshin Revenue	-	In Zoo
16	19/10/2017	Lion (cub)	0	1	0	1	Babarkot	-	In Zoo
17	29/10/2017	Rhesus Macaque	1	0	0	1	Morbi	-	Release
18	29/10/2017	Lion	2	0	0	2	Rajula	-	In Zoo
19	05/11/2017	Lion (cub)	0	1	0	1	Dalkhaniya Range	-	Death
20	16/11/2017	Raccoon	1	0	0	1	Kutch East Forest Dept.	-	In Zoo
21	18/11/2017	Lion (Parth, Pooja)	2	2	0	4	Devaliya (Sasan)	-	In Zoo
22	24/11/2017	Lion (cub)	0	1	0	1	Rajula	-	In Zoo
23	08/12/2017	Lion (cub)	0	1	0	1	Rajula	-	In Zoo
24	12/12/2017	Lion (cub)	1	0	0	1	Rajula	-	In Zoo
25	14/12/2017	Lion (Shiv)	1	0	0	1	Sanidem Nursary	-	In Zoo
26	13/01/2018	Hyena	1	0	0	1	Surat Forest Dept.	-	Death
27	04/02/2018	Leopard	1	0	0	1	Dungar Uttar Range, Jnd.	-	In Zoo



Sr. No.	Date of Rescue	Species with number of animals rescued with their sex (M:F:U:T)					Received from	Action taken	
		Species	M	F	U	T		Date and Place of rehabilitation in their habitat	Reasons for housing in the zoo, if not released in their habitat
28	12/02/2018	Lion (cub)	1	0	0	1	Dalakhaniya Range, Dhari	-	In Zoo
29	08/02/2018	Lion (Nageshwari)	0	1	0	1	Barda Genepool Center	-	In Zoo
30	22/02/2018	Lion (Sania)	0	1	0	1	Rampara Genepool Center	-	Death
31	19/03/2018	Rhesus Macaque	1	0	0	1	Porbandar	-	Release
32	27/03/2018	Leopard (Cub)	2	1	0	3	Sarasiya Range, Dhari	-	1 In Zoo & 2 Death
		Total	23	15	2	40			
BIRDS									
1	16/04/2017	Pelican Rosy	0	0	1	1	Kadi Kalol	-	In Zoo
2	18/04/2017	Great Indian Hornbill	0	0	1	1	Jamnagar	-	In Zoo
3	11/07/2017	Vulture	0	0	1	1	Girnar Sanctuary	-	In Zoo
4	14/07/2017	Vulture	0	0	1	1	Jamjodhpur Range	-	In Zoo
5	14/09/2017	Budgerigar	0	0	1	1	Junagadh City	-	In Zoo
6	04/11/2017	Great Indian Hornbill	2	0	0	2	Jamnagar	-	In Zoo
7	20/11/2017	Budgerigar	0	0	1	1	Junagadh City	-	In Zoo
8	29/12/2017	Scarlet macaw	0	0	1	1	Jamanagar	-	In Zoo
9	05/02/2018	Barn Owl	0	0	1	1	Kotda Sangani	-	Release
10	12/03/2018	Honey Buzzard	0	0	1	1	Sasan	-	In Zoo
11	12/03/2018	Cockatiel	0	0	4	4	Junagadh City	-	In Zoo
12	23/03/2018	Blossom-headed Parakeet	0	0	21	21	Rajkot	-	In Zoo
		Total	2	0	34	36			
REPTILES									
1	03/05/2017	Red Eared Terrapin	0	0	1	1	Jamanagar	-	In Zoo
2	21/06/2017	Ball Python	0	0	1	1	Surat Forest Division	-	In Zoo
3	26/12/2017	Indian Star Tortoise	1	0	0	1	Upleta	-	In Zoo
		Total	1	0	2	3			
		Net Total	26	15	38	79			



25. Annual Inventory of animals

Form – II

[See Rule 11(1)] Part – A

Inventory Report for the Year : 2017-18

Endangered Species*

Sr. No.	Species	Scientific name	Stock			During the year												Stock											
			As on 01-04-17			Birth			Acquisitions			Disposal			Death			As on 31-03-18											
			M.	F.	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	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		
2	Spoonbill White	<i>Platalea leucorodia</i>	3	4	4	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	11	
3	Peafowl (White)	<i>Pavo Cristatus</i>	8	1	4	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	1	4	13
4	White-rumped Vulture	<i>Gyps bengalensis</i>	0	0	48	48	0	0	4	0	0	2	0	0	0	0	3	2	0	0	0	0	0	0	0	-3	-2	54	49
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	0	7	7
6	Eurasian Griffon	<i>Gyps fulvus</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	-1	0	2	1
7	Himalayan Griffon	<i>Himalayan 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	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	0	0	0	0	0	0	0	0	1	1
9	Kalij Pheasant	<i>Lophura leucomelanos</i>	3	3	4	10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	6
10	Great Indian Hornbill	<i>Buceros bicornis</i>	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
11	Indian Pied Hornbill	<i>Anthraceros malabaricus</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
	Total Birds		16	10	71	97	0	0	0	5	3	0	2	0	0	0	7	4	0	0	0	0	0	0	0	12	6	78	96
Reptiles																													
1	King Cobra	<i>Ophiophagus hannah</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
2	Cobra Indian	<i>Naja naja</i>	0	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
3	Common Krait	<i>Bungarus caeruleus</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	0	1	1
4	Crocodile (Gharial)	<i>Gavialis gangeticus</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
5	Crocodile (Marsh)	<i>Crocodylus palustris</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3
6	Indian Python	<i>Python molurus</i>	1	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	3
7	Viper Russell's	<i>Vipera russelli</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
8	Snake Rat (Dhaman)	<i>Ptyas mucosus</i>	0	0	4	4	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	2
	Total Reptiles		3	5	11	19	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	2	5	9	16	

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



Sr. No.	Species	Scientific name	Stock			During the year												Stock									
			As on 01-04-17			Birth			Acquisitions			Disposal			Death			As on 31-03-18									
			M.	F.	U.	M.	F.	U.	M.	F.	U.	M.	F.	U.	M.	F.	U.	M.	F.	U.							
			T.	M.	F.	M.	F.	U.	M.	F.	U.	M.	F.	U.	M.	F.	U.	M.	F.	U.							
Mammals																											
1	Four Horned Antelope*	<i>Tetracerus quadricornis</i>	10	14	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	14	2	25
2	Indian Wolf*	<i>Canis lupus pallipes</i>	4	5	2	11	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	6	0	14
3	Bear Sloth	<i>Melursus ursinus</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
4	Blackbuck*	<i>Antelope cervicapra</i>	27	43	2	72	0	0	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	24	35	10	69
5	Blackbuck (White)*	<i>Antelope cervicapra</i>	0	10	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	8
6	Chinkara*	<i>Gazella bennetti</i>	13	33	0	46	0	0	10	0	0	0	0	0	0	0	0	0	0	0	3	3	1	10	30	11	51
7	Wild Ass*	<i>Equus hemionus khur</i>	7	4	0	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	4	0	12
8	Jackal	<i>Canis aureus</i>	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
9	Swamp Deer*	<i>Rucervus duvauceli</i>	5	6	0	11	2	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	5	8	0	13
10	Leopard*	<i>Panthera pardus</i>	29	18	0	47	2	1	0	4	1	0	0	0	0	0	0	0	0	0	6	2	0	29	18	0	47
11	Indian Lion*	<i>Panthera leo persica</i>	15	30	1	46	3	4	0	12	12	0	4	0	0	0	0	0	0	0	2	7	0	24	39	1	64
12	Macaque Bonnet	<i>Macaca radiata</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1
13	Macaque Rhesus*	<i>Macaca mulatta</i>	3	2	0	5	0	0	0	4	2	0	4	1	0	1	0	0	0	0	1	1	0	2	2	0	4
14	Tiger Bengal	<i>Panthera tigris tigris</i>	1	3	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	4
15	Tiger Bengal (White)	<i>Panthera tigris tigris</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2
16	Thamin Deer*	<i>Rucervus eldii</i>	5	5	0	10	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	1	0	5	4	4	13
17	Indian Bison	<i>Bos gaurus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
18	Malabar Giant Squirrel	<i>Ratufa indica</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
19	Nilgiri langur	<i>Trachypithecus johnii</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1
20	Indian Palm Civet Cat	<i>Paradoxurus hermaphroditus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
21	Small Indian Civet	<i>Viverricula indica</i>	1	1	0	2	0	0	0	0	0	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	0	0	0	0	0	1	0	0	1
23	Mouse Deer	<i>Tragulus meminna</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Total Mammals			82	147	95	324	11	8	24	21	15	2	8	1	0	21	26	1	133	179	28	340					
Total Animals			106	166	202	474	11	8	29	24	15	4	8	1	2	29	30	1	147	190	115	452					

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



Part - B Exotic Species

Sr. No.	Species	Scientific name	Stock						During the year												Stock										
			As on 01-04-17						Birth				Acquisitions				Disposal				As on 31-03-18										
			M.	F.	U.	T.	M.	F.	M.	F.	U.	M.	F.	U.	M.	F.	U.	M.	F.	U.	M.	F.	U.								
Birds																															
1	Budgerigar	<i>Melopsittacus undulatus</i>	0	0	136	136	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	140	140	
2	Cockatiel (Grey)*	<i>Nymphicus hollandicus</i>	0	0	11	11	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	14	
3	Cockatiel (White)*	<i>Nymphicus hollandicus</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	0	0	7	7	
4	Emu	<i>Dromaius novaehollandiae</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	0	0	7	7	
5	Peach Faced Love Birds	<i>Agopornis roseicollis</i>	10	27	117	154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	27	117	154		
6	Fishers Love Birds	<i>Agopornis fischer</i>	0	0	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	
7	Pelican Rosy	<i>Pelecanus onocrotalus</i>	9	4	5	18	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	9	4	6	19	
8	Pheasant Silver	<i>Lophura nycthemera</i>	2	2	7	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10
9	Pheasant Golden	<i>Chrysolophus pictus</i>	2	1	5	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	7
10	Rose Breasted Parakeet	<i>Psittacula alexandri</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Dusky Lory	<i>Pseudeos fuscata</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Lady Amherst's Pheasant	<i>Chrysolophus amherstiae</i>	0	1	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	African Grey Parrot	<i>Psittacus erithacus</i>	1	1	0	2	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Zebra Finch	<i>Taeniopygia guttata</i>	1	1	67	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Green Pheasant	<i>Phasianus versicolor</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Ostrich	<i>Struthio camelus</i>	1	1	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Blue and Yellow Macaw	<i>Ara ararauna</i>	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Sun Conure	<i>Aratinga solstitialis</i>	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Ruddy Shelduck	<i>Tadorna ferruginea</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	0	0	0	0	0
20	Scarlet Macaw	<i>Ara macao</i>	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Green Peafowl	<i>Pavo muticus</i>	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Birds		29	41	393	463	0	0	5	3	3	8	3	3	3	8	0	0	0	0	4	2	2	2	28	42	404	474	474		
Mammals																															
1	African Cheetah	<i>Acinonyx jubatus</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Red Necked Wallaby	<i>Macropus rufogriseus</i>	2	3	0	5	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	African Caracal	<i>Caracal caracal</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Raccoon	<i>Procyon lotor</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Mammals		3	6	0	9	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Reptiles																															
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	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	0	0	0	0	0	0	0	0	0	
	Total Animals		32	47	393	472	1	1	6	4	3	9	4	3	9	0	0	0	0	4	3	2	3	33	48	406	487	487	487		



Part - C

Other than Endangered Species

Sr. No.	Species	Scientific name	Stock			During the year												Stock					
			As on 01-04-17			Birth			Acquisitions			Disposal			Death			As on 31-03-18					
			M.	F.	T.	M.	F.	U.	M.	F.	U.	M.	F.	U.	M.	F.	U.	M.	F.	U.			
Birds																							
1	Crane Demoiselle*	<i>Grus virgo</i>	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	11
2	Common Crane*	<i>Grus grus</i>	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2
3	Flamingo (Greater)	<i>Phoenicopterus roseus</i>	2	1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	4
4	Koel (Asian)	<i>Eudynamis scolopaceus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
5	Blossom Headed Parakeet	<i>Psittacula cyanocephala</i>	1	0	23	24	0	0	11	10	0	0	0	0	5	1	2	6	11	8	12	31	
6	Parakeet Rose Ringed	<i>Psittacula krameri</i>	1	6	3	10	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	3	10
7	Stork Painted	<i>Mycteria leucocephala</i>	3	3	9	15	0	0	0	0	0	0	0	0	0	1	0	0	2	3	9	14	
8	Barn Owl	<i>Tyto alba</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
9	Alexandrine Parakeet	<i>Psittacula eupatria</i>	3	4	4	11	0	0	0	0	0	0	0	0	0	0	0	0	3	4	4	11	
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	Ring Necked Pheasant	<i>Phasianus colchicus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
12	Marsh Harrier	<i>Circus aeruginosus</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	1	0	0	-1	0	2	1	
13	Brahminy Kite	<i>Haliastur indus</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
14	White Cockatoo	<i>Cacatua alba</i>	1	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3	
15	Spot Billed Duck	<i>Anas poecilorhyncha</i>	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
16	Ibis (Black)	<i>Pseudis papillosa</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
17	Ibis (Oriental White)	<i>Threskiornis melanocephalus</i>	3	6	0	9	0	0	0	0	0	0	0	0	0	0	0	0	3	6	0	9	
18	Bonelli's Eagle	<i>Aquila fasciata</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	-1	0	1	0	
19	Steppe Eagle	<i>Aquila nipalensis</i>	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	
20	Sarus Crane	<i>Grus antigone</i>	2	1	0	3	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	2	
21	Red Jungle Fowl	<i>Gallus gallus</i>	5	4	25	34	0	0	13	0	0	0	0	0	5	2	0	-1	36	35			
22	Black Swan	<i>Cygnus atratus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2		
23	Eclectus Parrot	<i>Eclectus roratus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2		
24	Sulphur Crested Cockatoo	<i>Cacatus galerita</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1		
25	Amazon Parrot	<i>Amazona aestive</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2		
26	Rainbow Lorikeet	<i>Trichoglossus moluccanus</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1		
Total Birds			30	31	93	154	0	0	13	0	11	10	0	0	5	9	8	32	33	93	158		

*Animals under Schedule III and Schedule IV of the Wild Life (Protection) Act, 1972



Sr. No.	Species	Scientific name	Stock						During the year												Stock							
			As on 01-04-17						Birth				Acquisitions				Disposal				As on 31-03-18							
			M.	F.	U.	T.	M.	F.	U.	M.	F.	U.	M.	F.	U.	M.	F.	U.	M.	F.	U.	T.						
Mammals																												
1	Deer Barking	<i>Muntiacus muntjak</i>	8	13	22	43	0	0	0	9	0	0	0	0	0	0	0	0	0	0	6	1	1	1	2	12	30	44
2	Deer Hog	<i>Axis porcinus</i>	1	1	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3
3	Deer Sambar	<i>Rusa unicorn</i>	14	23	27	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	23	27	64
4	Deer Spotted	<i>Axis axis</i>	0	21	97	118	0	0	11	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	-2	18	108	124
5	Hyena Striped	<i>Hyaena hyaena</i>	1	2	0	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2	0	3
6	Blue bull	<i>Boselaphus tragocamelus</i>	0	1	4	5	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0
7	Porcupine (Indian)	<i>Hystrix indica</i>	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	1	0	3
8	Porcupine (White)	<i>Hystrix indica</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
9	Hippopotamus	<i>Hippopotamus amphibius</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
10	Common Marmoset	<i>Callithrix jacchus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
11	Goral	<i>Nemorhaedus goral</i>	1	1	4	6	0	0	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	7	8
Total Mammals			30	65	154	249	0	0	24	1	0	0	0	1	4	11	5	1	1	20	59	173	252					
Reptiles																												
1	Common sand boa	<i>Eryx conicus</i>	0	1	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	-1	1	3	3
2	Red sand boa	<i>Eryx johnii</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
3	Tortoise indian star	<i>Geochelone elegans</i>	4	0	47	51	0	0	7	1	0	0	0	0	0	0	2	3	0	3	0	3	0	3	-3	54	54	
4	Black turtle		1	1	4	6	0	0	14	0	0	0	0	0	9	0	0	0	0	1	0	0	0	1	1	9	11	
5	Red eared terrapin	<i>Trachemys scripta</i>	0	0	5	5	0	0	9	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	14
6	Banded racer	<i>Argyrogena fasciolata</i>	0	0	2	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1
7	Montane trinket snake	<i>Coelognathus helena monticollaris</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
8	Common trinket snake	<i>Coelognathus helena</i>	0	0	6	6	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	2	2
Total Reptiles			5	2	70	77	0	0	30	1	0	1	0	0	14	3	3	2	3	3	-1	85	87					
Total Animals			65	98	317	480	0	0	67	13	10	1	0	1	23	23	16	11	55	91	351	497						

*Animals under Schedule III and Schedule IV of the Wild Life (Protection) Act, 1972



26. Mortality of animals

MAMMALS

Sr. No.	Animal Name (with individual identification mark, if any)	Male	Female	Unsex	Total	Date of Death	Reason of Death as per the Post-mortem report
1	Barking Deer (Fawn)	1	0	0	1	14-04-2017	General Debility
2	Chinkara	0	1	0	1	27-04-2017	Shock and its Consequences
3	Leopard	0	1	0	1	28-04-2017	Asphyxia (Rescue- 00-06CB-F5C4)
4	Chinkara	0	0	1	1	28-04-2017	General Debility
5	Porcupine (White)	1	0	0	1	29-04-2017	Renal Failure
6	Swamp Deer (Fawn)	1	0	0	1	30-04-2017	Aspiratory Pneumonia
7	Spotted Deer	1	0	0	1	01-05-2017	Fatal infight injury in thorax
8	Barking Deer	0	1	0	1	03-05-2017	Fatal traumatic injury in infight with its cage mate
9	Lion (Cub) (Radha)	0	1	0	1	09-05-2017	General Debility
10	Barking Deer	1	0	0	1	04-06-2017	Fatal traumatic injury in infight with its cage mate
11	Chinkara	1	0	0	1	29-06-2017	Killed by wild leopard
12	Blackbuck	0	1	0	1	30-06-2017	Killed by wild leopard
13	Chinkara	1	0	0	1	01-07-2017	Killed by wild leopard
14	Barking Deer (Fawn)	1	0	0	1	09-07-2017	General Debility
15	Blackbuck	0	1	0	1	10-07-2017	Fatal infight injury in head
16	Blackbuck	1	0	0	1	23-07-2017	Fatal infight injury in head
17	Swamp Deer (Fawn)	1	0	0	1	29-07-2017	Snake bite
18	Chinkara	0	1	0	1	02-08-2017	Fatal traumatic injury in thoracic & abdominal region
19	Barking Deer	1	0	0	1	04/082017	Renal Failure
20	Blackbuck	0	1	0	1	04-08-2017	Old age & its Consequences
21	Lion (Roon)	0	1	0	1	05-08-2017	Neurological disorder & its Consequences (00-01BD-7D33)
22	Lion (Aradhana)	0	1	0	1	06-08-2017	Neurological disorder & its Consequences (00-06B7-1FDE)
23	Chinkara	0	1	0	1	21-08-2017	Fatal traumatic injury in thorax & abdomen
24	Blackbuck	0	1	0	1	23-08-2017	Old age & its Consequences
25	Blackbuck	0	1	0	1	07-09-2017	Cardiac cirrhosis in liver
26	Blackbuck	1	0	0	1	07-09-2017	Pneumonia (Rescue)
27	Blackbuck	1	0	0	1	17-09-2017	Pneumonia
28	Blackbuck	0	1	0	1	20-09-2017	Pneumonia & brain hemorrhage
29	Leopard (Cub)	1	0	0	1	21-09-2017	Respiratory failure



Sr. No.	Animal Name (with individual identification mark, if any)	Male	Female	Unsex	Total	Date of Death	Reason of Death as per the Post-mortem report
30	Blackbuck	0	1	0	1	23-09-2017	Pneumonia
31	Four-horned Antelope	1	0	0	1	24-09-2017	Old age & its Consequences
32	Chinkara (Fawn)	1	0	0	1	27-09-2017	Congenital deformities in thorax & hind limbs
33	Barking Deer (Fawn)	0	0	1	1	02-10-2017	Killed by Python
34	Macaque Rhesus	1	0	0	1	09-10-2017	Old age & its Consequences
35	Wolf (Raju)	1	0	0	1	15-10-2017	Snake bite
36	White Blackbuck	0	1	0	1	28-10-2017	Old age & its Consequences
37	Leopard (Chikhali)	1	0	0	1	01-11-2017	Pneumonia (Rescue)
38	Lion (Cub) (Dalkhaniya)	0	1	0	1	03-11-2017	Right side heart failure (Rescue)
39	Lion (Cub) (Dhari)	0	1	0	1	06-11-2017	Aspiratory Pneumonia (Rescue)
40	Nilgiri Langur	0	1	0	1	16-11-2017	Abscess in lung and spleen
41	Barking Deer	1	0	0	1	22-11-2017	Fatal Traumatic injury in abdomen
42	Lion (Irfan)	1	0	0	1	22-11-2017	Posterior paralysis and its consequences
43	Lion (Ambardi)	1	0	0	1	30-11-2017	Multi Organ failure (Rescue) (00-0771-6F79)
44	Bonnet Macaque	1	0	0	1	30-11-2017	Old age & its Consequences
45	Jackal	0	1	0	1	12-12-2017	Old age & its Consequences
46	Lion (Anjali)	0	1	0	1	23-12-2017	Multi Organ failure (00-06B7-1BFE)
47	White Blackbuck	0	1	0	1	24-12-2017	Fatal traumatic in thorax & abdomen during infight
48	Blackbuck	0	1	0	1	06-01-2018	Old age & its Consequences
49	Spotted Deer	1	0	0	1	16-01-2018	Infight injury in thorax
50	Cheetah (Malika)	0	1	0	1	25-01-2018	Hepato renal failure (00-0695-6FCC)
51	Leopard (Choki)	1	0	0	1	25-01-2018	Multi organ failure because of paralysis (Rescue)
52	Porcupine	0	1	0	1	26-01-2018	Metastatic cancerous growth in liver
53	Leopard (Cub) (Choki)	0	1	0	1	07-02-2018	Posterior paralysis & its consequences
54	Spotted Deer	0	1	0	1	09-02-2018	Pulmonary tuberculosis (Free Ranging)



Sr. No.	Animal Name (with individual identification mark, if any)	Male	Female	Unsex	Total	Date of Death	Reason of Death as per the Post-mortem report
55	Spotted Deer	0	1	0	1	10-02-2018	Septicaemia
56	Stripped Hyena (Surat)	1	0	0	1	11-02-2018	Fracture of rib & liver failure (Rescue)
57	Thamin Deer	0	1	0	1	17-02-2018	Pulmonary tuberculosis
58	Leopard	1	0	0	1	18-02-2018	Canine destemper (00-01CD-D882)
59	Spotted Deer (Fawn)	0	1	0	1	19-02-2018	Pulmonary tuberculosis
60	Goral	1	0	0	1	24-02-2018	Pneumonia
61	Lion (Sania)	0	1	0	1	07-03-2018	Chronic renal failure (Rescue-Rampara)
62	Leopard	1	0	0	1	09-03-2018	Hepato renal failure (00-0683-54D8)
63	Leopard	1	0	0	1	14-03-2018	Old age & its Consequences (00-06CC-388B)
64	Blackbuck	1	0	0	1	16-03-2018	Fatal infight injury in thorasic cavity
65	Barking Deer	1	0	0	1	29-03-2018	Fatal infight injury in thorasic cavity
	Total	32	31	2	65		

BIRDS

Sr. No.	Bird Name (with individual identification mark, if any)	Male	Female	Unsex	Total	Date of Death	Reason of Death as per the Post-mortem report
1	White Back Vulture (Chick)	1	0	0	1	03-04-2017	Visceral gout.
2	Red Jungle Fowl (Chick)	0	0	1	1	22-04-2017	Colibacillosis
3	Red Jungle Fowl (Chick)	0	0	1	1	25-04-2017	Fatal injury in neck
4	Rose Breasted Parakeet	0	1	0	1	02-05-2017	Enteritis and old age
5	African Grey Parrot	0	0	1	1	18-05-2017	Injury in head by parents
6	White Back Vulture	0	1	0	1	19-05-2017	Enteritis and hepatitis
7	White Back Vulture	1	0	0	1	21-05-2017	Hemorrhagic enteritis
8	Eurasian Griffon Vulture	1	0	0	1	21-05-2017	Toxaemia
9	African Grey Parrot (Chick)	1	0	0	1	23-05-2017	Thorasic injury
10	African Grey Parrot	1	0	0	1	24-05-2017	Visceral gout.
11	Sarus	0	1	0	1	29-05-2017	Visceral gout.
12	Red Jungle Fowl (Chick)	0	0	2	2	31-05-2017	General Debility
13	Blossom Headed Parakeet	4	2	0	6	02-06-2017	Killed by snake



Sr. No.	Bird Name (with individual identification mark, if any)	Male	Female	Unsex	Total	Date of Death	Reason of Death as per the Post-mortem report
14	Red Jungle Fowl	1	0	0	1	08-06-2017	Respiratory infection
15	Kalij Pheasant (Chick)	1	0	0	1	20-06-2017	General Debility
16	Red Jungle Fowl	0	1	0	1	01-07-2017	Collibacillosis
17	Red Jungle Fowl	0	1	0	1	11-07-2017	Collibacillosis
18	Red Jungle Fowl (Chick)	1	0	0	1	14-07-2017	Sudden death syndrome
19	Red Jungle Fowl (Chick)	1	0	0	1	15-07-2017	Sudden death syndrome
20	Kalij Pheasant	1	0	0	1	16-07-2017	Fatal traumatic injury in head because of infight
21	Silver Pheasant	1	0	0	1	23-07-2017	Fatty liver syndrome
22	Marsh Harrier	1	0	0	1	19-08-2017	Septicemia
23	Kalij Pheasant	0	1	0	1	20-08-2017	Fatal injury in head because of infight
24	White Back Vulture	1	0	0	1	23-08-2017	Internal hemorrhage
25	Red Jungle Fowl	0	1	0	1	08-09-2017	Tumorous mass in right kidney & intestine
26	Kockatiel (Grey)	0	0	1	1	15-10-2017	Colibacillosis
27	Ruddy shelduck	1	0	0	1	27-10-2017	Collibacillosis
28	Red Jungle Fowl	1	0	0	1	03-11-2017	Old age & its Consequences
29	Painted Stork	1	0	0	1	20-11-2017	Cardiac shock
30	Kalij Pheasant	1	0	0	1	22-11-2017	Pneumonia
31	Golden Pheasant	0	1	0	1	26-11-2017	Collibacillosis
32	Red Junglefowl	1	0	0	1	31-12-2017	Necrotic hepatitis
33	White-back Vulture (Chick)	0	1	0	1	04-02-2018	General Debility
34	Bonelli's eagle	1	0	0	1	21-03-2018	Cancerous growth and its consequences
35	Blossom-headed Parakeet	1	0	0	1	24-03-2018	General Debility (Rescue - Rajkot)
36	Blossom-headed Parakeet	0	1	0	1	26-03-2018	General Debility (Rescue - Rajkot)
37	Kalij Pheasant	0	1	0	1	29-03-2018	Fatal traumatic injury in head because of infight
38	Blossom-headed Parakeet	0	1	0	1	30-03-2018	General Debility (Rescue - Rajkot)
	Total	24	14	6	44		



REPTILE

Sr. No.	Reptile Name (with individual identification mark, if any)	Male	Female	Unsex	Total	Date of Death	Reason of Death as per the Post-mortem report
1	Common Sand Boa	1	0	0	1	29-04-2017	Abscess in Liver
2	Montane trinket snake	0	0	1	1	01-05-2017	Traumatic Injury in Abdomen
3	Red-eared terrapin	0	0	1	1	10-05-2017	Respiratory infection
4	Tortoise Indian star	0	2	0	2	12-06-2017	Pneumonia
5	Tortoise Indian star	0	1	0	1	01-07-2017	Pneumonia
6	Tortoise Indian star	0	1	0	1	20-07-2017	Hepatitis
7	Tortoise Indian star	1	0	0	1	27-08-2017	Hepatic failure
8	King Cobra	1	0	0	1	09-10-2017	Necrotic hepatitis
	Total	3	4	2	9		

27. 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.



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
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 from 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:					
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.



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
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 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.	With immediate effect	22.09.2009	African Cheetah cage is away from Asiatic Lion breeding centre.
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.



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
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.	Six months		
		(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	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.	Six months	22.09.2009	1. Done
		2. The macaque enclosures need to be provided large space.	Six months		2. Provided
		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.	With immediate effect		3. already shifted
		4. The aviaries should be provided with kuchha floor as well as the jungle cat enclosure should be also provided as a part of its enclosure with kuchha floor.	Three months		4. Provided
		5. The aviaries should be provided with appropriate perches and roosting areas.	Three months		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.	With immediate effect	22.09.2009	Provided
		(ii) The water pool provided in the Demoiselle crane aviary should be modified by reducing its height and water should be provided 24 hrs.	Three months		Provided



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
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 kuchha floor as well as the jungle cat enclosure should also be provided, a part of its enclosure, with kuchha 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 duranta and clerodendronetc.	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



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
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.



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
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.



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
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:

Sr. No.	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 during 2006. Vulture develops bumble foot if they perch on hard surface for some time. Bumble foot is a deadly affliction.	Immediately	22.09.2009	Done



Sr. No.	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
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 be 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 have access to nest ledges directly without the birds having to fly in a closed area. The ledges should be spread out.	Immediately	22.09.2009	We shifted all the Vultures in large aviary.



Sr. No.	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
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.
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



28. 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	Silver Bill	Kite
Lapwing	Black Drongo	Shikara
	Small Minivet	





Sakkar Baug Zoological Park, Junagadh