



DR. Shyamaprasad Mukherjee Zoological Garden
Surat Municipal Corporation
Surat, Gujarat



DR. SHYMAPRASAD MUKHERJEE ZOOLOGICAL GARDEN,
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Annual Report for the Year 2024-25

CONTENTS

S.No	Section	Page Number
1.	Report of the Officer-in-charge	3-4
2.	History of the Zoo	5
3.	Vision	5
4.	Mission	5
5.	Objectives	5-6
6.	About us	6-8
7.	Organizational Chart	9
8.	Human Resources	10
9.	Capacity Building of the Zoo personnel	11
10.	Zoo Advisory Committee	11
11.	Health Advisory Committee	11
12.	Statement of income and expenditure of the Zoo	12
13.	Daily feed Schedule of animals	12-15
14.	Vaccination Schedule of animals	15
15.	De-worming Schedule of animals	15-16
16.	Disinfection Schedule	16
17.	Health Check-up of employees for Zoonotic diseases	17
18.	Development Works carried out in the zoo during the year	17
19.	Education and Awareness programmes during the year	17
20.	Important Events and happenings in the Zoo	18
21.	Seasonal special arrangements for upkeep of animals	18
22.	Research Work carried out and publications	18
23.	Conservation Breeding Programme of the Zoo	19
24.	Animal acquisition / transfer / exchange during the year	19
25.	Rescue and rehabilitation of the wild animals carried out by the zoo	20
26.	Annual Inventory of animals	21-27
27.	Mortality of animals.	28
28.	Status of the Compliance with conditions stipulated by the Central Zoo Authority	23-31
29.	List of free living wild animals within the zoo premises	32-33

1. Report of the Officer-in-charge

Dr. Shymaprasad Mukerjee Zoological Garden, Sarthana, Surat is one of the medium Zoos of the country. Established on 26th April, 2003 as the first zoological park in the Southern region of the Gujarat State, it has progressively emerged as an eminent and vibrant centre for biodiversity conservation and environmental education. As a premier medium zoo of India, it has spearheaded many significant improvements to provide highest standards of housing, husbandry and health care to the captive wild animals and contributed towards enriching our knowledge on the biology of endangered species.

Surat zoo exemplified the inimitable of ex-situ conservation initiatives. The sprawling zoo houses 49 species of mammals, reptiles and birds. The natural forest areas of Sarthana zoo provide home to a rich assemblage of free-living wild animals including 11 species of mammals, 06 species of reptiles, 66 species of birds, 29 species of butterflies. This is one of the most important plant conservation facilities in the Gujarat State. More than 250 species of plants have been documented in the Sarthana zoo premises.

We have completed another outstanding year of biodiversity conservation, zoo management, and education. Sarthana zoo has been an excellent place for eco-tourism which attracted 9,59,968 visitors during the year 2024-25. There was significant improvement in the infrastructure development, animal collection, health care, fodder production and conservation efforts. Many zoo education and awareness program including Celebration of wildlife week, World wildlife day, World Environment Day, International tiger day, activities under mission life were organized during the year 2024 - 2025. Many species of indigenous and exotic animals including Sloth bear, Indian wolf, Smooth Coated Otter, Spotted deer, Alexandrine Parakeet, etc. have breed successfully in the Zoo during the year. During the year 2024-25 main entry gate redeveloped and it opened for visitors, civil repair and maintenance work is undertaken in zoo. This year 2024-25 redevelopment work of two pond and reptile park is undertaken.

During this financial year we have welcomed pair of Indian Wolf (1 Male : 0 Female), Sambar (2 Male : 2 Female), Lady Amherst' Pheasant (1 Male : 0 Female) and Golden pheasant (1 Male : 1 Female) in exchange of Lady Amherst' Pheasant (0 Male : 1 Female) and Smooth Coated otter (0 Male : 1 Female) from Rajkot Zoo, Gujarat pair of Indian Munject (2 Male : 2 Female), Hog Deer (2 Male : 2 Female), in exchange of Smooth Coated otter (1 Male : 0 Female) from Chhatbir Zoo, Punjab and pair of Green-Cheeked Conure (2 Male : 2 Female), Moluccan Red Lory (1 Male : 1 Female), Rainbow Lorikeet (1 Male : 1 Female), Sun Conure (1 Male : 1 Female), Nilgai (1 Male : 0 Female), Spotted Deer (2 Male : 2 Female) in exchange of Bear sloth (0 Male : 1 Female) Indian jackal (1 Male : 1 Female) Black Crowned Night Heron (5 Male : 5 Female : 5 Unknown), Black Headed Ibis (2 Male : 2 Female : 4 Unknown) Painted stork (2 Male : 2 Female : 4 Unknown) from Vadodara Zoo, Gujarat. We also received rescue animal from forest department like Marsh Crocodile (0 Male : 1 Female), Indian star tortoise (0 Male : 0 Female : 4 Unknown) and Western Hanuman Langur (1 Male : 0 Female) from Forest Department, Surat.

There has been a substantial improvement in the field of health care during the year. This was possible due to sincere efforts by our staff in order to maintain highest standards of health care and animal husbandry practices and close association with college of Veterinary Sciences, Anand and Navsari and also with the valuable advice and guidance of the Nandini Veterinary Hospital, Surat and faculty members of above colleges on important health care issues. During this financial year vet. Autoblood Cell Counter Machine procure by Zoo will further help in quick diagnosis of disease.

Surat Zoo has always been an outstanding centre for education on various aspects of ex-situ conservation, health care and management of captive wild animals. Student from South Gujarat University and M.S. University has given permission for dissertation work on various wild life topic.

Information on various aspects of management and development of Dr Shyamasprasad Mukherjee Zoological Garden, Surat during the year 2024-25 has been provided in the present Annual Report. I would like to thank all my staff for their hard work and dedication that made it a successful year in the maintenance and development of Dr. Shyamaprasad Mukharjee Zoological Garden, Surat. I believe that Surat Zoo will continue to grow as a world class zoo and to contribute significantly in the field of wildlife conservation, education and research in coming years.



Zoo Superintendent
Dr. Shyamaprasad Mukerjee Zoological Garden
Sarhana, Surat, Gujarat State

2. History of the Zoo

Dr. Shyamasprasad Mukherjee Zoological Garden, Sarthana, Surat is one of the premier medium Zoo located amidst a beautiful natural setting recognized by Central Zoo Authority, Government of India. Unlike conventional zoos, it spreads over in 81 acres of land with natural vegetation , water bodies and enchanting landscape that provides the zoo inhabitants an appropriate ambience to live in harmony with the nature. It was dedicated to the public on April, 2003. Total 9,59,968 visitors visited the Zoological Park during 2024-25. Most of the animals of Dr. Shyamasprasad Mukherjee Zoological Garden, Surat housed in open, large moated areas surrounded by natural vegetation. This gives them a feeling of living close to their natural habitat.

3. Vision

To complement and strengthen the national efforts in conservation of the biodiversity of the country, particularly the fauna through the ex-situ conservation linked with in-situ practices through

- Fostering sound physical, psychological and social development for the animals in our care.
- Creating an educational environment for all sectors, groups and individuals that develops a unifying bond between our visitors and the animals which inspires appreciation and concern about wildlife and wild places.
- Contributing to worldwide animal management, conservation and research efforts. Improving the quality of our professional development, administration and operating environment.

4. Mission

To connect visitors and animals through exemplary animal welfare and care, best educational and inspirational experiences, fostering public appreciation and support for wild animals and conservation" To provide better upkeep and veterinary care to the wild animal housed in zoos in India to ensure their conservation through best practices of management and bringing education & awareness among the people.

5. Objective

- To convey the value of conservation through education.
- Captive breeding of endangered species mainly Smooth Coated Indian Otter, Sloth Bear , Indian Grey Wolf, Hog Deer.
- To inspire local and global communities to protect, conserve, and celebrate wildlife.
- To provide a fun, unique, and inspirational experience fostering appreciation, knowledge and care for the natural world.
- To ensure thriving as a premier zoological institution, reaching its fullest potential to serve people, animals and the environment.

6. About us

S.No.	Particulars	Information
Basic information about the Zoo		
1.	Name of the Zoo	Dr.Shyamaprasad Mukherjee Zoological Garden
2.	Year Of Establishment	2003
3.	Address Of the Zoo	Opposite Old Sarthana Octroi Naka, Sarthana, Surat- Kamrej Road, Surat-395006
4.	State	Gujarat
5.	Telephone Number	+91 6359905032 +91 6359905033
6.	Fax Number	0261-2451935, 2422110
7.	E-mail address	zoosuperintendent@suratmunicipal.org smczoodrrap@yahoo.com commissioner@suratmunicipal.org commissioner@suratmunicipal.gov.in
8.	Website	www.suratmunicipal.gov.in www.suratmunicipal.org
9.	Distance from nearest	Airport : Surat - 23 Kms
		Railway Station : Surat - 7 Kms
		Bus Stand : Surat - 7 Kms
		BRTS : 100 Mtr.
10.	Recognition Valid upto (Date)	22 nd December, 2024
11.	Category of Zoo	Medium
12.	Area (in Hectares)	32.78 Hectares
13.	Number of Visitors (Financial Year)	Adult : Zoo : 720164 Butterfly park : 22142
		Children : Zoo : 212055 Butterfly Park : 5278
		Total Indian : 959912
		Total Foreigners : 56
		Total Visitors : 959968
14.	Visitor's Facilities Available in Zoo	Parking, Toilets, Water huts, Wheel Chair, Canteen / Cafeteria, Battery operated vehicle
15.	Weekly Closure Day of the Zoo	Monday
Management Personnel of the Zoo		
16.	Name with designation of the Officer incharge	Dr. Rajesh A. Patel I/C.Zoo Superintendent
	Name of the Veterinary Officer	Dr. Rajesh A. Patel Assistant Vet. Officer
	Name of the Curator	-- (Vacant)
	Name of the Biologist	-- (Vacant)
	Name of the Education officer	Instead of the Education Officer there is a two post of Zoo Guide in the zoo 1. Shri Hina C. Patel 2. Vacant

17.	Name of the Operator	Municipal Commissioner (Surat Municipal Corporation)
18.	Address of the Operator	Gordhandas Chokhawala Marg, Mugalsarai, Surat-395003
19.	Contact details / Phone number of Operator	0261- 2422244 (D), 0261-2423750 to 2423756 & 0261-2422285 to 2422287
20.	E-mail address of Operator	commissioner@suratmunicipal.org commissioner@suratmunicipal.gov.in

SALIENT FEATURES OF SARTHANA ZOO, SURAT

Area	Dr. Shyamaprasad Mukhrjee Zoological Garden	32.78 hacter (81 acre)
Captive animals as on 31.03.2024	Mammals	24
	Birds	28
	Reptiles	05
	Total	57
No. of animal House	Nos. 490 (covered - 278, Open moated -212)	
Zoo holiday	Every Monday, and on the eve of Dhuleti, Muharram and Anant chaudash (Ganesh Vishrjan)	
Zoo timing	for visitors	10.00 am. to 5.00 pm.
Animal feeding time	Carnivores	11.00am. to 1.00 pm. (Except Monday)
	Reptile	11.00am. to 1.00 pm.
	Birds	11.00am. to 1.00 pm.
	Herbivores	11.00am. to 1.00 pm. & 4.00 pm. to 5.00 pm.

VISITORS' AMENITIES

- Drinking water kiosks with water cooler and R.O. System
- Toilets at convenient locations
- Special toilets, wheel chairs and ramps for Handicapped and physically disable persons
- Rest areas, sit-outs / visitors sheds at various location
- Restaurant and snacks bar
- Cloak room near the entrance gate
- First aid (at zoo hospital and main gate entrance)
- Guide maps, informative and directional signage.
- Battery operated vehicles for visitors.

SPECIAL ATTRACTION OF SARTHANA ZOOS

Butterfly garden and insect kingdom

Wildlife interpretation centre with nocturnal house Light and Sound show.

Digitalized payment and issuing facility for entry ticket and facilities of online ticket booking.

OTHER SERVICES OF THE ZOO

1. Interactive education and awareness program.
2. Conduct guided tour for school children.
3. Availability of zoo guided tour on demand of visitor's / School child visiting in group.

GENERAL INFORMATION FOR VISITORS

Entry Hours : 10.00 A.M. (Morning) to 5.00 P.M. (Evening)

Zoo remain closed on every Monday

Entry Charges (Per Head)

Entry Fee

1.	An Individual above 12 years of age	Rs. 30.00
2.	Children age 3 to 12 years and senior citizens age 65 years and above.	Rs. 20.00
3.	Children below 3 years	Free
4.	Visiting students of Education institutes (Primary to Secondary Schools) & senior citizen	Rs. 10.00
5.	School & Institutes related with WWF or nature group activities and for the college students doing research on wild life and jungles.	Rs.10.00
6.	For the persons from Women protection centre, Orphanages, Institutions fir disabled & mentally retarded and juvenile homes.	Free
7.	Foreigners.	Rs.200.00
8.	Foreigner's children (age 3 to 12 Years)	Rs.100.00

Photography charges :

1.	Still Camera (Per day)	Rs.50.00
2.	Personal domestic video camera(Per day)	Rs. 150.00
3.	Professional camera/video (Per day) [Prior approval of competent authority is required, for shooting the wildlife and natural view in the premises of the Nature Park.	Rs.5000.00

BUTTERFLY GARDEN, INSECT KINGDOM AND WILDLIFE INTERPRETATION CENTER

General Information :

Visiting Hour's : 10.00 A.M to 5.00 P.M.

Zoo and Butterfly Garden remains closed on every Monday on eve of Dhuleti, Mahoram, and anat chaudas.

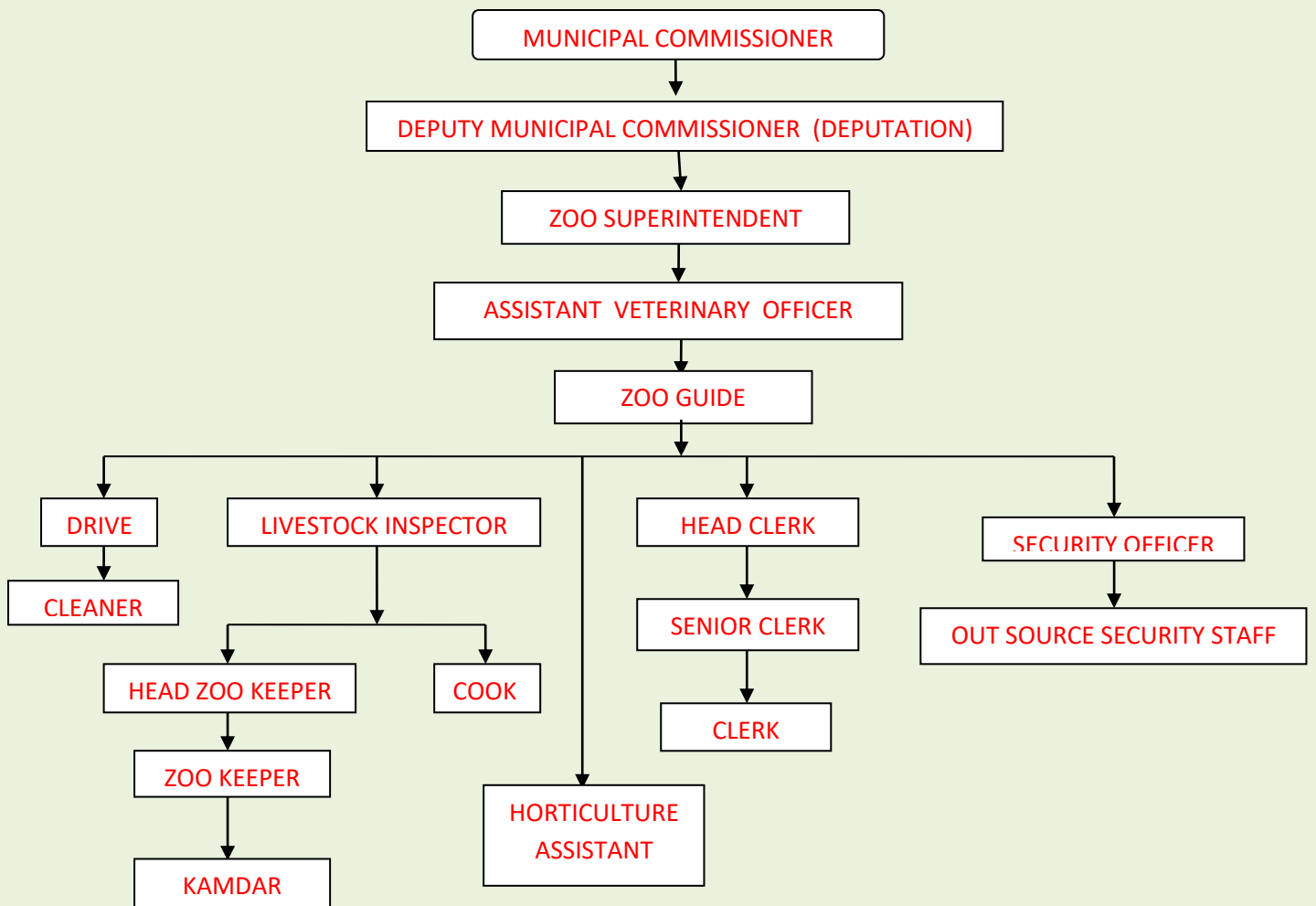
Entry Charges (per Head)

1.	Adult	Rs.20.00
2.	Children (age 5 to 12 years)	10.00
3.	Children Below 5 years.	Free
4.	Person from Women protection centre, Orphanages, Institution for disabled & mentally retarded and juvenile homes. Best time to watch Butterfly from 10.00 A.M to 3.00 P.M	Free

7. Organization Chart



Surat Municipal Corporation Dr. Shyamaprasad Mukherjee Zoologica Garden



8. Human Resources

Sr. No.	Designation	Number Of Sanctioned Posts	Names of the incumbent
1	Zoo Superintendent	01	Dr. Rajesh A. Patel (Incharge)
2	Assistant Veterinary Officer	01	Dr. Rajesh A. Patel
3	Zoo Guide/ Biologist	02	Smt. Hina C. Patel + 01 Vacant
4	Security Officer	01	Vacant
5	Curator (Educator & Research)	01	Vacant
6	First Grade Clerk	01	Nitinbhai M. Patel
7	Second Grade Clerk	01	Aljibhai Khakhadia
8	Laboratory Technician	01	Vacant
9	Live Stock Inspector	01+01 (on loan)	Pritesh Navinlal Patel Ravindra R.Darbar (on loan)
10	Head Zoo Keeper	01	Mahendra R. Valhe
11	Third Grade Clerk	03	Pratik Y.Tailor Dhaval N.Chanakya Vipul A.Patel
12	Horticulture Assistant	01	Tejas S. Patel
13	Driver	01	Mahesh I. Patel
14	Mukadam	01	Vacant
15	Zoo Keeper	15	10 Filled up and 05 post are vacant, which will be filled up as per the requirement of department.
16	Peon	04	Chirag D. Patel Ashok Rathod + 02 Vacant
17	Beldar	24	All are filled
18	Zoo Sevak	01	Vacant
19	Cook	01	Balvant M. Parmar
20	Cleaner	01	Sunil I. Solanki
21	Safai kamdar	02	01 Vacant + 01 filled

9. Capacity Building of Zoo personnel

Sr. No.	Name and designation of the zoo personnel	Subject matter of Training	Period of Training	Name of the Institution where the Training attended
1.	NIL			

10. Zoo Advisory Committee

- a. Date of Constitution : Not in existence
- b. Member : Not applicable
- c. Date on which Meeting held during the year : NA

11. Health advisory Committee

- a. Date of Constitution : 22 / 03 / 2004
- b. Member : 3
- c. Date on which Meeting held during the year: Visit/Meeting not held since last 10 years

12. Statement of income and expenditure of the Zoo

Income of Zoo during the 2022-2023

Sr.No.	Particulars	Income (Rs.)
1	Zoo entry fees	25387530.00
2	Butterfly park entry fees	495659.00
3	Canteen / cafeteria rent	1369794.00
4	Mango tree auction income	0.00
5	Income from parking contract	0.00
6	Tender fees / Other miscellanies income	453653.00
7	Battery operated passenger vehicle income	444779.00
Total Income		28151676.00

Expenditure of Zoo during the 2022-2023

Sr. No.	Particulars	Amount
1	Zoo staff Salary	32920777.59
2	Feed cost of animals	7433294.00
3	Medicine cost	155707.00
4	Security	5154458.88
5	Electricity	1703586.00
6	Miscellaneous	928132.00
7	Garden and butterfly park maintenance	1788891.00
Total Expenditure		50084846.47

13. Daily diet schedule chart of animals

Sr. No	Species	feed item	Quantity		Day of Fasting
			Winter	Summer	
1	Antelope Four horned	Green fodder + Concentrate	1.5Kg + 50gm	1.5Kg + 50gm	Nil
2	Antelope Black buck	Green fodder + Concentrate	2.0 Kg + 100 gm	2.0 Kg + 100 gm	Nil
3	Antelope Black buck (White)	Green fodder + Concentrate	2.0 Kg + 100 gm	2.0 Kg + 100 gm	Nil
4	Sloth Bear	Milk + Rice +Boiled Egg + Seasonal Green vegetable & fruits + Roti + Honey	1.5lit+400gm+1+3.0 kg+1+50gm	1.5lit+300gm+1+2.0 kg+1+50gm	Monday for milk and Rice

5	Himalayan Black Bear	Milk + Rice +Boiled Egg + Seasonal Green vegetable & fruits + Roti + Honey	1.5lit+500gm+2+4.0 kg+1+75gm	1.5lit+400gm+2+3.0 kg+1+75gm	Monday for milk and Rice
6	Jackal	Beef	1.0 kg	750 gm	Monday
7	Monkey Rhesus	Sprouted legume grains+ Seasonal Green vegetable & fruits	500 gm	500 gm	Nil
8	Leopard	Beef	3.5 kg	3.0 kg	Monday
9	Asiatic lion	Beef	10 kg.	8.0 kg.	Monday
10	Porcupine	Sprouted legume grains +seasonal green vegetable and fruits	1.0 kg.	1.0 kg	Nil
11	Tiger / White Tiger	Beef	10 kg	8 kg	Monday
12	Smooth coated Otter	Fish	1.5 kg	1.4 kg	Nil
13	Mouse Deer	Green fodder+Green leafy vegetables +Seasonal fruits	250 gm	200 gm	Nil
14	Crocodile Marsh	Beef	1 kg / week	1.5 kg / week	--
15	Crocodile Siamese	Beef	1 kg / week	1.5 kg / week	--
16	Tortoise	Mix Green Vegetable+Sproutd Leguminous grains Roots	100gm	100 gm	Nil
17	Gharial	fish	2.5 kg / week	2.5 kg / week	--
18	Indian Rock python	Rabbit / Gunea pig	3.0 kg monthly	3.0 kg fort nightly	--
19	Crane Saras	Boiled Rice + fish + Cereals grains	100 gm + 500gm	100 gm + 500gm	Nil
20	White Peafowl	Grains +Gramms+ Green Leafy Vegetable+Cabbage	200 gm	200 gm	Nil
21	Indian Peafowl	Grains +cabbage +Gramms+green palak	200 gm	200 gm	Nil
22	Night heron	Small Fish	150 gm	150 gm	Nil
23	Spoon bill	Small Fish	150 gm	150 gm	Nil
24	White ibis	Small Fish	150 gm	150 gm	Nil
25	Black kite	Beef (Minced)	50 gm	50gm	Nil
26	Alexandrine parakeet	Seasonal fruits + milk + bread	50 gm + 25 gm	50 gm + 25 gm	Nil

27	Cockatiel	maize + grains	5-10 gm	5-10 gm	Nil
28	Cockatoo (Umbrella)	seasonal fruits + milk + bread + sunflowers seed	100 gm + 50 gm	100 gm + 50 gm	Nil
29	Military Macaw	seasonal fruits + milk + bread + Mix seed Feed	100 gm + 50 gm + 50 gm	100 gm + 50 gm + 50 gm	Nil
30	Blue and Yellow Macaw	seasonal fruits + milk + bread + Mix seed Feed	100 gm + 50 gm + 50 gm	100 gm + 50 gm + 50 gm	Nil
31	Green winged Macaw	seasonal fruits + milk + bread + Mix seed Feed	100 gm + 50 gm + 50 gm	100 gm + 50 gm + 50 gm	Nil
32	Emu	poultry layer mash	600 gm	600 gm	Nil
33	Lorrikeet Rainbow	seasonal fruits + milk + bread	50 gm + 25 gm	50 gm + 25 gm	Nil
34	Lorrikeet Red	seasonal fruits + milk + bread	50 gm + 25 gm	50 gm + 25 gm	Nil
35	Parrakeet African Grey	seasonal fruits + milk + bread + sunflower seed	100 gm + 50 gm	100 gm + 50 gm	Nil
36	Pelican Rosey	Fish	1.5 kg	1.5 kg	Nil
37	Lady Amherst's Pheasant	grains + layer mash + milk + bread	25 gm +5gm + 25 gm	25 gm + 25gm + 25 gm	Nil
38	Silver Pheasant	grains + layer mash + milk + bread	25 gm +5gm + 25 gm	25 gm + 25gm + 25 gm	Nil
39	Conure	seasonal fruits + milk + bread	50 gm + 25 gm	50 gm + 25 gm	Nil
40	Golden Pheasant	grains + layer mash + milk + bread	25 gm +5gm + 25 gm	25 gm + 25gm + 25 gm	Nil
41	Ostrich	layermash+green fodder +lucern	2.0-2.5 kg	2.0 -2.5kg	Nil
42	Deer Hog	Green Grass + Concentrate	2.5 Kg + 100 gm	2.5 Kg + 100 gm	Nil
43	Deer Samber	Green Grass + Concentrate	10 Kg + 300 gm	10 Kg + 300 gm	Nil
44	Deer Spotted	Green Grass + Concentrate	2.5 Kg + 100 gm	2.5 Kg + 100 gm	Nil
45	Hynae	Beef	2.0 kg	2.0 kg	Monday
46	Hippopotamus	Green fodder+Concentrate + potato + banana	45kg+2.0kg+3.0 kg+2.0kg	45kg+2.0kg+3.0kg+2.0kg	Nil
47	Nilgai	Green Grass + Concentrate	8 Kg + 200 gm	8 Kg + 200 gm	Nil
48	Black Swan	Green leafy spinch+ grains+poultry feed+ small fish	400 gm	400 gm	Nil

49	Indian Grey Wolf	Beef	2.0 kg	2.0 kg	Monday
50	Barking Deer	Green fodder + Concentrate	1.5Kg + 50gm	1.5Kg + 50gm	Nil

14. Vaccination Schedule of animals

Sr. No.	Species	Disease vaccinated for	Name of the Vaccine and dosage / Quantity used	periodicity	Remarks
1	Tiger Leopard (felines)	Canine leptospira, Parvo, Para influenza,	Canigen-DHPPi-Lepto 1 dose	Yearly	
		Rabies	Nobivac-R 1 dose	Yearly	
		Panleukopenia virus, Calci virus, Herpes virus, Rabies	Biofel-PCHR 1 dose	Yearly	
		Ferret distemper vaccine	Puravax Ferret Vaccine (Live canary pox vector) 1 dose	Yearly started from Sept-2023	
2	Bears (Sloth bear & Himalayan Black bear)	Canine leptospira, Parvo, Para influenza,	Canigen-DHPPi-Lepto 1 dose	Yearly	
		Rabies	Nobivac-R 1 dose	Yearly	
3	Hyena, Jackle (Canine)	Canine leptospira, Parvo, Para influenza,	Canigen-DHPPi-Lepto 1 dose	Yearly	
		Rabies	Nobivac-R 1 dose	Yearly	

15. Deworming Schedule of animals

Sr. No.	Species	Drugs used	Months
1	Felines (Tiger, Leopard)	Fenbandazole Albendazole Ivermectin	June-2023 September-2022 December-2023
2	Canines (Hyena, Jackal, Otter,)	Fenbandazole Albendazole Ivermectin	June-2023 September-2022 December-2023
3	Omnivorous (Bears)	Fenbandazole Albendazole Ivermectin	June-2023 September-2022 December-2023

4	Herbivorous(All Deers)	Fenbandazole Albendazole Ivermectin	June-2023 September-2022 December-2023
5	Hippopotamus,	Fenbandazole Albendazole Ivermectin	June-2023 September-2022 December-2023
6	Birds (All Parakeet,lorrikeet,water birds,Peafowl,Phesants, pelican, etc.)	Fenbandazole Albendazole Ivermectin	June-2023 September-2022 December-2023
7	Reptiles (python)	Fenbandazole Albendazole Ivermectin	June-2023 September-2022 December-2023
8	Monkey	Fenbandazole Albendazole Ivermectin	June-2023 September-2022 December-2023

16. Disinfection Schedule

Sr. No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Felines (tiger, Leopard)	Open moated with night shelter	Kohrsoline-Th / Chlorine dioxide	every fortnightly in night shelter
2	Canines (Hyena, Jackal, Otter,)	Open moated with night shelter	Kohrsoline-Th / Chlorine dioxide	every fortnightly in night shelter
3	Omnivorous (Bears)	Open moated with night shelter	Kohrsoline-Th / Chlorine dioxide	every fortnightly in night shelter
4	Herbivorous(All deers)	Open moated with night shelter	quick lime dust and sometime NaOH solution spray	one in three months or as an when needed
5	Hippopotamus,	Open moated with night shelter	Calcium Hypochloride powder	every 15-21 days
6	Birds (All Parakeet, lorikeet, water birds, Peafowl, Pheasants, pelican, etc.)	Cage type aviary	Kohrsoline-Th / Chlorine dioxide	every fortnightly
7	Reptiles (python)	Cage type	Kohrsoline-Th	every fortnightly
8	Monkey	Open moated with night shelter	Kohrsoline-Th / Chlorine dioxide	every fortnightly

We have started disinfecting the Vegetable and Non Vegetable food (chicken, beef, and fish) offered to All Zoo animals by washing with chlorine dioxide solution.

17. Health Check-up of Employees for Zoonotic disease.

- Surat Municipal corporation give Facility of Medical treatment free of cost to the employees who met with accidents on duty.
- Group Personal Accidental Insurance coverage given to staff working with wild animals.
- Annual Medical Check-up of all the employees for T.B. and regular annual booster Rabies vaccination is carried out .

18. Development works carried out in the Zoo during the year

- Visitors walkway and zoo roads repaired.
- Renovation of kitchen facilities
- Construction of Parking for Zoo vehicle.
- Construction of new main Entrance with cafeteria , children play area and with other visitor amenities.
- Repair and maintenance of old cages.
- Construction of new boundary wall instead of old damage tilted boundary wall
- Redevelopment and beautification of Water bodies in the zoo undertaken by Zone department.

19. Education and Awareness programme during the year

World Environment Day On 5th June Zoo celebrates World Environment Day by conducting various programs such as Tree plantation by visitors , School children and one of the well known organization and N.G.O. More than 10000 trees were plant as a concept of Miyawaki forest . There was a small lecture on water conservation, environment, wildlife etc. for student, campaigns like anti-plastic drive. Every year 'Wild life week' is being celebrated at the Zoo from 2nd to 8th October. As a part of the Celebration, exhibition on wild life photograph , various educational materials and instruments used for treatment of wild animals and birds . Zoo conducted many activities like drawing competitions for School Children of different age. Zoo also conducting lecture on wild- life and wild- life conservation for School and college students. Zoo also conducting lecture for Collage Student on Role Of Zoo in conservation of Wild Life, All brief about Central Zoo Authority and all about health care management of zoo animals and birds. During Wild life week 7 days the students between 1st standard and 7th Standard and college student studying in animal science and veterinary science were given free entry. Zoo is organizing several competitions and attractive prizes and certificates are given to the winners.

20. Important Events and happenings

- World Environment day Tree plantation programme in Zoo Premises
- World Tiger day.
- World Otters day
- Wildlife Week celebration during the 2nd October to 08th October.

21. Seasonal special arrangement for upkeep of animals

- SUMMER MANAGEMENT usually the animals are under severe stress during summer. In order to improve the comfort level, heat relief measures like air cooler installation were undertaken during last summer. • All deer enclosures were provided with new resting sheds. • Sprinkling/ flogger of water/cooler were arranged in enclosures housing tiger, leopard, Himalayan bear, ostrich & aviary section • Special dietary arrangements were made for primates, bears, and birds to keep them at ease. • Shade green nets for cutting off sunlight are provided at aviaries, Ostrich and White tiger enclosures.
- WINTER MANAGEMENT During winter, electric heater has been installed in tiger, leopard, Hyena, Himalayan bear, electric lamps arrangement provided in each cages of the bird aviary for warmness during night chilling hour, wood fire in deer cages arrange.
- During monsoon, in heavy rain condition night shelter entry kept open throughout the day, so animal may go to the shaded area to protect himself from direct exposure from heavy rain.

22. Research Work carried out and publications:

During this year with the collaboration of Veer Narmad South Gujarat University, Surat Three students of M.Sc. , bio science Department have undertaken research work on subjects below,

1. THE BUTTERFLY DIVERSITY OF SARTHANA NATUREPARK, SURAT, GUJARAT, INDIA
2. MANAGEMENT OF SARTHANA NATURE PARK, SURAT, GUJARAT
3. EXPLORATION OF SPIDER DIVERSITY IN SARTHANA NATURE PARK , SURAT
4. GUT MICROBIOTA ANALYSIS OF INDIAN FLYING FOX AND ROLE OF GUT MICROBIOTA IN ITS HEALTH
5. STUDY THE KEY FACTORS BEHIND THE REMARKABLE BREEDING SUCCESS OF SMOOTH- COATED OTTER IN DR. SHAYAMAPRASAD MUKHERJEE ZOOLOGICAL GARDEN SURAT.
6. One student of Hemchandracharya North Gujarat University working with WCB Research Foundation will carried out her research work on subject of GUT MICROBIOTA OF CAPTIVE AND WILD SLOTHBEARS.

23. Conservation Breeding programme of the Zoo

Zoo has achieved great success of captive breeding of Smooth - coated Otter, This year total 17 number of pups born at our Zoo which is highest Nos. of puppies bred in single year till date. Keeping in mind our field experience and behavioural study of species chance of severe infighting of animals with alpha male and alpha female or within two alpha female Within group on attaining puberty age. Surat Zoo has created off exhibit breeding / Quarantine enclosure facilities within zoo premises. where we have kept separate pair of otter in total six separate enclosure for breeding and as a result this year we will have good number of puppy from captive breeding of this species. First time In the History of captive breeding of Otter in Surat zoo 17 puppies borned successfully reared.

Zoo has also successfully breed Sloth Bear, Hog deer, Spotted Deer, Painted stork, Night Heron, Alexandrine Parakeet, Marsh Crocodile in the captivity.

24. Animal acquisition / transfer / exchange during the year

A.	Animals arriving in the Zoo				
	H. No.	species	Number (M:F)	From which Zoo	Date of arrival in the Zoo
	1	INDIAN GREY WOLF	1 : 0	Rajkot Zoo	01/08/2024
	2	GOLDEN PHEASANT	1: 1	Rajkot Zoo	01/08/2024
	3	SAMBAR DEER	2 : 2	Rajkot Zoo	01/08/2024
	4	LADY AMHEREST' PHEASANT	1 : 0	Rajkot Zoo	01/08/2024
	5	HOG DEER	2 : 2	Chhatbir Zoo	15/10/2024
	6	BARKING DEER	2 : 2	Chhatbir Zoo	15/10/2024
	7	GREEN CHEEKED CONURE	2 : 2	Vadodara Zoo	25/10/2024
	8	SUN CONURE	1: 1	Vadodara Zoo	25/10/2024
	9	MOLLUCAN RED LORRY	1: 1	Vadodara Zoo	25/10/2024
	10	RAINBOW LORRIKEET	1: 1	Vadodara Zoo	25/10/2024
	11	NILGAI	1: 0	Vadodara Zoo	25/10/2024
	12	SPOTTERD DEER	2: 2	Vadodara Zoo	25/10/2024
B.	Animals going from the Zoo				
	H. No.	species	Number (M:F)	To which Zoo	Date of disposal from the Zoo
	1	Smooth Coated otter	0 : 1	Rajkot Zoo	01/08/2024
	2	Smooth Coated otter	1 : 0	Chhatbir Zoo	15/10/2024
	3	Sloth Bear	0 : 1	Vadodara zoo	25/10/2024
	4	Asian Palm Civet	1 : 0	Vadodara zoo	25/10/2024
	5	Indian Golden Jackal	1 : 1	Vadodara zoo	25/10/2024
	6	Black Headed ibis	2:2:4	Vadodara zoo	25/10/2024
	7	Black Crown Night Hero	5:5:6	Vadodara zoo	25/10/2024
	8	Painted stork	2:2:4	Vadodara zoo	25/10/2024

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

Sr. No.	Date of Rescue	Species with number of animals rescued with their sex (M:F:U:T)	Received from	Date of Submission of Report to the CWLW / CZA	Action Taken	
					Date and Place of rehabilitation in their habitat	Reasons for housing in the Zoo if not released in their habitat
	Species	Number (M:F:U)				
1	Western Hanuman Langur	1 : 0 : 0	VANKAL RANGE	15/05/2024	-	INJURED
2	Marsh Crocodile	0 : 1 : 0	OLPAD	28/09/2024	-	HEALTHY
3	Indian Star Tortoise	0 : 0 : 4	VYARA RANGE	27/09/2024	-	HEALTHY

26. Annual Inventory of animals

FORM-II [See rule 11 (1)]

PART - A Dr. Shyamaprasad Mukharjee Zoological Garden, Surat, Gujarat

Proforma for Annual Inventory Report Inventory Report for the Year : 2024-2025

Endangered Species*

- Modified Closing Balance

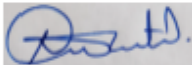
S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2024)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2025)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
Aves																						
1.	Indian Peafowl	<i>Pavo cristatus</i>	3	3	4	10	0	0	0	0	0	0	0	0	0	0	0	0	3	3	4	10
2.	Peafowl (leucistic)	<i>Pavo cristatus</i>	1	4	0	5	0	0	0	0	0	0	0	0	0	0	1	0	1	3	0	4
3.	Eurasian Spoonbill	<i>Platalea leucorodia</i>	1	1	2	4	0	0	0	0	0	0	0	0	0	1	1	1	0	1	2	
Total Aves	3		5	8	6	19	0	0	0	0	0	0	0	0	0	2	1	5	6	5	16	
Mammalia																						
1.	Blackbuck	<i>Antilope cervicapra</i>	2	15	3	20	0	0	0	0	0	0	0	0	2	1	0	0	14	3	17	
2.	Blackbuck (leucistic/white)	<i>Antilope cervicapra</i>	1	2	1	4	0	0	0	0	0	0	0	0	0	0	0	1	2	1	4	
3.	Indian Hog Deer	<i>Axis porcinus</i>	3	3	1	7	0	0	2	2	2	0	0	0	0	0	0	5	5	3	13	
4.	Indian Jackal	<i>Canis aureus indicus</i>	2	5	0	7	0	0	0	0	0	1	1	0	1	0	0	0	4	0	4	

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2024)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2025)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
5.	Indian Wolf	<i>Canis lupus pallipes</i>	1	1	0	2	2	0	4	1	0	0	0	0	0	0	0	2	4	1	2	7
6.	Smooth-coated Otter	<i>Lutrogale perspicillata</i>	10	6	9	25	0	0	17	0	0	0	1	1	0	0	1	0	9	4	26	39
7.	Rhesus Macaque	<i>Macaca mulatta</i>	5	7	5	17	0	0	0	0	0	0	0	0	0	1	0	0	4	7	5	16
8.	Bonnet Macaque	<i>Macaca radiata</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
9.	Sloth Bear	<i>Melursus ursinus</i>	2	3	0	5	1	0	0	0	0	0	0	1	0	0	0	0	3	2	0	5
10.	Indian Chevrotain, Mouse Deer	<i>Moschiola indica</i>	1	3	1	5	0	0	0	0	0	0	0	0	0	0	1	0	1	2	1	4
11.	Asiatic Lion	<i>Panthera leo persica</i>	2	1	0	3	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	2
12.	Leopard	<i>Panthera pardus</i>	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3
13.	Tiger (leucistic/White)	<i>Panthera tigris</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
14.	Bengal Tiger	<i>Panthera tigris tigris</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
15.	Asian Palm Civet	<i>Paradoxurus hermaphroditus</i>	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
16.	Western Hanuman Langur	<i>Semnopithecus achates</i>	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1
17.	Four-horned Antelope	<i>Tetracerus quadricornis</i>	2	2	0	4	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	2
18.	Himalayan Black Bear	<i>Ursus thibetanus laniger</i>	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
Total Mammalia	18		39	51	20	110	3	0	23	4	2	0	3	3	0	6	4	2	37	46	41	124
Reptilia																						

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2024)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2025)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
1.	Marsh Crocodile	<i>Crocodylus palustris</i>	0	1	15	16	0	0	0	0	1	0	0	0	0	0	0	0	0	2	15	17
2.	Gharial	<i>Gavialis gangeticus</i>	1	3	0	4	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	4
3.	Indian Rock Python	<i>Python molurus</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Total Reptilia	3		1	4	16	21	0	0	0	0	1	0	0	0	0	0	0	0	1	5	16	22
Total			45	63	42	150	3	0	23	4	3	0	3	3	0	6	6	3	43	57	62	162

*Animals under Sch-I and Sch-II of Wild Life (Protection) Act, 1972

Curator (Animals)


Director

PART - B
Dr. Shyamaprasad Mukharjee Zoological Garden, Surat, Gujarat
Proforma for Annual Inventory Report
 Inventory Report for the Year : 2024-2025

Other than Endangered Species*

- Modified Closing Balance

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2024)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2025)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	T			
Aves																						
1.	Indian Spot-billed Duck	<i>Anas poecilorhyncha</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
2.	Sarus Crane	<i>Antigone antigone</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
3.	Blue-and-gold Macaw, Blue-and-yellow Macaw	<i>Ara ararauna</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
4.	Green-winged Macaw, Red-and-green Macaw	<i>Ara chloropterus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1
5.	Military Macaw	<i>Ara militaris</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2
6.	Sun Conure, Sun Parakeet	<i>Aratinga solstitialis</i>	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	0	2

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2024)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2025)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
7.	Umbrella Cockatoo, White Cockatoo	<i>Cacatua alba</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
8.	Lady Amherst's Pheasant	<i>Chrysolophus amherstiae</i>	0	2	1	3	0	0	0	1	0	0	0	1	0	1	0	0	0	1	1	2
9.	Golden Pheasant	<i>Chrysolophus pictus</i>	1	2	0	3	0	0	0	1	1	0	0	0	0	1	0	0	1	3	0	4
10.	Black Swan	<i>Cygnus atratus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
11.	Emu	<i>Dromaius novaehollandiae</i>	2	2	6	10	0	0	0	0	0	0	0	0	0	0	0	0	2	2	6	10
12.	Moluccan Red Lory, Violet-necked Lory	<i>Eos squamata</i>	0	1	0	1	0	0	0	1	1	0	0	0	0	0	0	0	1	2	0	3
13.	Silver Pheasant	<i>Lophura nycthemera</i>	1	1	2	4	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	4
14.	Black Kite	<i>Milvus migrans</i>	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
15.	Painted Stork	<i>Mycteria leucocephala</i>	5	5	8	18	0	0	0	0	0	0	2	2	4	0	0	0	3	3	4	10
16.	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	10	10	10	30	0	0	0	0	0	0	5	5	6	0	0	0	5	5	4	14
17.	Cockatiel	<i>Nymphicus hollandicus</i>	0	0	128	128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	128	128
18.	Great White Pelican	<i>Pelecanus onocrotalus</i>	3	2	0	5	0	0	0	0	0	0	0	0	0	1	0	0	2	2	0	4
19.	Plum-headed Parakeet	<i>Psittacula cyanocephala</i>	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2024)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2025)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
20.	Alexandrine Parakeet	<i>Psittacula eupatria</i>	7	6	11	24	0	0	9	0	0	0	0	0	0	0	0	0	7	6	20	33
21.	Grey Parrot, Jacquot	<i>Psittacus erithacus</i>	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4
22.	Green-cheeked Conure, Green-cheeked Parakeet	<i>Pyrrhura molinae</i>	1	0	0	1	0	0	0	2	2	0	0	0	0	0	0	0	3	2	0	5
23.	Common ostrich, Ostrich	<i>Struthio camelus</i>	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3
24.	Black-headed Ibis	<i>Threskiornis melanocephalus</i>	7	7	8	22	0	0	0	0	0	0	2	2	4	0	0	2	5	5	2	12
25.	Rainbow Lorikeet	<i>Trichoglossus moluccanus</i>	1	0	0	1	0	0	0	1	1	0	0	0	0	1	0	0	1	1	0	2
Total Aves	25		48	46	181	275	0	0	9	7	6	0	9	10	14	4	1	2	42	41	174	257
Mammalia																						
1.	Chital/ Spotted Deer	<i>Axis axis</i>	2	1	2	5	0	0	2	2	2	0	0	0	0	0	1	0	4	2	4	10
2.	Nilgai	<i>Boselaphus tragocamelus</i>	0	2	1	3	0	0	0	1	0	0	0	0	0	0	1	0	1	1	1	3
3.	Common hippopotamus, Hippopotamus, Large Hippo	<i>Hippopotamus amphibius</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3
4.	Striped Hyena	<i>Hyaena hyaena</i>	2	2	0	4	0	0	0	0	0	0	0	0	0	0	1	0	2	1	0	3

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2024)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2025)			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
5.	Indian Crested Porcupine	<i>Hystrix indica</i>	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2
6.	Indian Muntjac	<i>Muntiacus muntjak</i>	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	2	2	0	4
7.	Sambar Deer	<i>Rusa unicolor</i>	2	3	0	5	0	0	0	2	2	0	0	0	0	1	1	0	3	4	0	7
Total Mammalia	7		8	10	4	22	0	0	2	7	6	0	0	0	1	4	0	14	12	6	32	
Reptilia																						
1.	Siamese Crocodile	<i>Crocodylus siamensis</i>	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
2.	Indian Star Tortoise	<i>Geochelone elegans</i>	11	16	4	31	0	0	0	0	0	6	0	0	0	0	0	11	16	10	37	
Total Reptilia	2		11	16	6	33	0	0	0	0	0	6	0	0	0	0	0	11	16	12	39	
Total			67	72	191	330	0	0	11	14	12	6	9	10	14	5	5	2	67	69	192	328
Grand Total			112	135	233	480	3	0	34	18	15	6	12	13	14	11	11	5	110	126	254	490

Curator (Animals)



Director

27. Mortality of animals

DEATH

FROM 1st APRIL--2024 TO 31th MARCH-2025					
Sr.No.	Animal Name	Scientific Name	Sex	Date	Cause of death as diagnosed through postmortem
Mammal					
1	Smooth coated Otter	Lutrogale perspicillata	F	14-06-2024	CHRONIC RESPIRATORY DISEASE
2	Antelop four horned	Tetracerus quadricornis	F	06-06-2024	SEVEAR INFECTION
3	Rhesus Macaque	Macaca mulatta	M	21-05-2024	INFIGHTING
4	Samber Deer	Rusa unicolor	M	18-07-2024	TOXAEMIA
5	Antelop four horned	Tetracerus quadricornis	M	25-07-2024	TOXAEMIA
6	Asiatic Lion	Panthera leo persica	M	04-08-2024	CHRONIC NERVINE DISORDER
7	Nilgai	Boselaphus tragocamelus	F	28-07-2024	ACCUTE INFECTION
8	Indian jackal	Canis aureus indicus	M	20-08-2024	TRAUMETIC SHOCK
9	Black buck	Antelop cervicapra	F	24-08-2024	ACCUTE INFECTION
10	Black buck	Antelop cervicapra	M	25-08-2024	TRAUMETIC SHOCK
11	Spotted Deer	Axis axis	F	08-09-2024	SENILITY
Birds					
1	Black Headed Ibis	Threskiornis melanocephalus	U	15-04-2024	TRAUMATIC INJUERY
2	Black Headed Ibis	Threskiornis melanocephalus	U	15-05-2024	SENILITY
3	Spoon Bill	Platalea leucordia	M	14-08-2024	OLD AGE
4	Great White Pelican	Pelecanus oncotalus	M	21-09-2024	TRAUMETIC SHOCK
5	Rainbow Lorikeet	Trichoglossus moluccanus	M	26-09-2024	SENILITY
6	Lady Amherst' Pheasant	Chrysolophus amherstiae	M	27-09-2024	SENILITY
7	Spoon Bill	Platalea leucordia	F	19/10/204	SENILITY
8	White peafowl	Pavo crestatus	M	11-01-2025	SENILITY
9	Green-winged Macaw	Ara chloropterus	F	18-03-2025	SEVEAR INFACION
Reptile					

28. 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)

Letter No. (1) File No.7-10/2020-CZA(PART-I)/I/2447/2020, dt. 25.08.2020
 (2) F. No. 19-117/93-CZA(70)(Vol.V)(PKR)/1856/2017 dt. 27.10.2017
 (3) F. No. 19-117/93-CZA(70)(Vol.V)(M)/4619/ dt. 09.04.2014
 (4)F. No. 19-117/93-CZA(70)(Vol.IV)(M)/ dt. 11.04.2011

Sr. No.	Norm No. under RZR 2009	Condition Stipulated	Time Period to Comply	Since when pending	Status with regards to compliance of the conditions
1.General requirements:					
1	10.1(9)	The Zoo Operator has failed to remove the domestic ducks from display, in spite of repetitive reminders from the CZA. All such domestic ducks should be relocated outside the zoo premises.	With immediate effect	27/10/2017	Zoo is not keeping any number of domestic duck in open water body, Zoo official are in search of some agency, who can take them and keep them upkeep in their premises/farm/resort.
2. Administrative and staffing pattern					
2	10.2(1)	The Zoo has failed to post full time officer -in-charge at the zoo. The present Officer-in-charge for food and drug licence of Municipal Corporation of Surat. Full time Officer-in-charge should be appointed.	Three months.	27/10/2017	SMC has already advertised the post of Zoo Superintendent recently in year, 2020 and the matter is in process with the competent authority.
3	10.2(1)	It has been noticed during the evaluation that maintenance of animal enclosures and other infrastructures is not being done on regular basis. It is suggested that may have independent adequate power to take up emergency repair as and when required. The delay in dealing with such repair works was noticed during the evaluation.	with immediate effect	27/10/2018	All pending work of repair and refurbishing of animal enclosures have been completed by the executive Engineer. Some more repair and maintenance work is going on.
4	10.2(1)	The full time veterinary officer is officiating as a full time in charge of Zoo ,Zoo authority are requested to appoint full time officer in charge	Three months	23/12/2022	SMC has already advertised the post of Zoo Superintendent recently in year, 2020 and the matter is in process with the competent authority.
5	10.2(2)	Zoo authority is in process of revising the qualification requirement of the post of Zoo Superintendent cum curator and creation of education officer and biologist. it should be implemented immediately	immediately	23/12/2022	Already reported with Hon.Municipal Commissioner and matter pending with central establishment department.
3.Development and planning :					
6	3 (1&2)	The Zoo Operator has failed to submit the Master Plan for the long term development of the zoo to Central Zoo Authority for its approval. The CZA has already granted extension of 3	With immediate effect.	27/10/2017	Master (Layout) Plan has already been submitted and approved by the CZA. Management Plan submitted on dated.01/03/2022 for CZA approval. there is some quarry and suggestion by expert

		months times for submission of Master Plan. The same period has also been lapsed, the zoo failed to submit the master Plan. Should submit Master Plan to the CZA for approval.			committee will be complied whining short time.
7	10.3(5)	The ongoing works is expected to take around three months and accordingly the kiosk should be shifted outside of the Zoo premises.	Three months	23 / 12 / 2022	Kiosk and food plaza shifted outside the new entry gate.
8	10.3(5)	A kiosk is being operated in unhygienic manner just after entry to the Zoo. The same should be relocated to an appropriate place and should be maintained hygienically and it should be ensured that no goods are sold in the plastic.	Three months	27/10/2018	Kiosk and food plaza shifted outside the new entry gate.
4. Animal housing , display of animals and animal enclosures :					
9	10.4(10)	The directional signage's requires fresh up gradation to have a higher visibility and should be maintained regularly.	Within three months	23/12/2022	Necessary office procedure undertaken will be complied within short time.
10	10.4(10)	The educational aspect of signage's also require fresh upgradation.	Within three months	23/12/2022	Necessary office procedure undertaken will be complied within short time.
6. Veterinary and infrastructure facilities:					
11	10.6(3)	The Zoo authority should implement plan for Lab and Lab technician.	within One year	23/12/2022	As Surat city is well facilitated with ultra modern Nandini veterinary hospital and Navsari Veterinary College is very much nearby to Surat zoo, we are availing all these facilities from them under the guidance of subject matter specialist for accurate diagnosis and proper treatment. As lab technician post at Zoo is filled up although planning for lab establishment is under going.
7. Post Mortem and disposal of carcasses of animals					
12	10.7(1)	Zoo authority should provide for fully equipped post-mortem room	within One year	23/12/2022	for construction of fully equipped post mortem room procedure is undertaken.
9.Acquisition and breeding of animals:					
13	10.9(1)	The Zoo had been housing 105 nos. of healthy Rose ringed parakeet. the surplus population of Rose ringed parakeet should be released into the natural habitat after due screening of their health and it should be ensured that protocols laid by th CZA/IUCN in this regard are followed or the birds may be given to other recognized zoo with prior approval from CZA and CWLW of the State.	Should comply	27/10/2017	These 105 nos. of healthy Rose ringed parakeet have been seized and rescued by the Forest Department and on request of them, these have been kept temporarily at the zoo (with the order of the court). If some zoo will submit a demand for them, we will spare them immediately with the permission of CZA and State Forest Department.
14	10.9(1)	The Zoo authority should explore for exchange of Tiger ,Asiatic Lion, Barking deer and Marsh Crocodiles	Within six months	23/12/2022	Eexchange of crocodile with Rajkot zoo is completed with approved from CZA, for other animals exchange correspondence is going on with other Zoo to pair single animals.
15	10.9(1)	Efforts are being make for maintaining appropriate sex ratio	Within six months	23/12/2022	Effort are under taken for Pairing of single animals in the zoo
16	10.9(2)	Zoo authority should try to ensured the scientific assessment of lineage and genetic relatedness to safeguard inbreeding as	as early as possible	23/12/2022	for genetic analysis of the sample correspondence is done with GBRC Gandhinagar for sample testing.

		early as possible.			
10. Research activities					
17	10.10(1))	Zoo authority is suggested to ensure taking up the minimum two research program with the university.	23/12/2022	within one years	VNSGU has been contacted for taken up research program in the Zoo, and they have send PG student for research program. and work is going on.
11. Education and outreach activities					
18	10.11(1))	Education and research activities required up gradation	23/12/2022	within six month	As zoo is lacking education officer effort is undertaken to filled the post of education officer.
12 Visitors facilities					
19	10.12(1))	The battery operated vehicle requires up gradation with minimum fleet of 10 vehicle	23/12/2022	within six months	After nine attempt of online tender procedure by Zoo for running of Battery Operated vehicle SMC has depute agency for running battery operated vehicle in the premises of Zoo on PPP model .

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

a. Mammals

No.	Name of the animal	Scientific Name
1.	Grey Mongoose	Herpestes edwardsii
2.	Small Indian Mongoose	Herpestes javanicus
3.	Ruddy Mongoose	Herpestes smithii
4.	Indian Civet	Viverricula indica
5.	Bats	Chiroptera
6.	Three Stripped Palm Squirrel	Funambulus palmarum
7.	Large Bandicoot Rat	Bandicota indica
8.	Hanuman Langur	Semnopithecus entellus
9.	Indian Hare	Lepus nigricollis

b. Birds

No.	Order	Family	Common Name	Scientific Name
1	Galliformes	Phasianidae	Indian Peafowl	Pavo cristatus
2	Columbiformes	Columbidae	Rock Pigeon	Columba livia
3			Spotted dove	Spilopeliachinensis
4			Yellow-footed Green-Pigeon	Treronphoenicoptera
5	Cuculiformes	Cuculidae	Greater coucal	Centropussinensis
6			Asian koel	Eudynamysscolopaceus
7	Apodiformes	Apodidae	Asian Palm Swift	Cypsiurusbalasiensis
8			Little Swift	Apus affinis
9	Gruiformes	Rallidae	White-breasted waterhen	Amauornisphoenicurus
10	Charadriiformes	Charadriidae	Red-wattled lapwing	Vanellusindicus
11		Scolopacidae	Green sandpiper	Tringaochropus
12	Ciconiiformes	Ciconiidae	Asian Openbill	Anastomusoscitans
13			Painted Stork	Mycteriaeucocephalia
14	Suliformes	Phalacrocoracidae	Little Cormorant	Microcarboniger
15	Pelecaniformes	Ardeidae	Black-crowned night heron	Nycticoraxnycticorax
16			Little egret	Egrettazarzetta
17			Indian pond heron	Ardeolagrayii
18			Great Egret	Ardea alba
19			Intermediate egret	Ardea intermedia
20			Cattle egret	Bubulcus ibis
21			Purple Heron	Ardeapurpurea
22		Threskionithidae	Black-headed ibis	Threskiornismelanocephalus
23	Accipitriformes	Accipitridae	Shikra	Accipiter badius
24	Coraciiformes		Common Kingfisher	Alcedoatthis
25			White-throated kingfisher	Halcyon smyrnensis
26			Meropidae	Asian green bee-eater
27	Piciformes	Megalaimidae	Coppersmith Barbet	Psilopogonhaemacephalus
28	Psittaciformes	Psittaculidae	Rose-ringed parakeet	Psittaculakrameri
29			Alexandrine Parakeet	Psittaculaeupatria
30		Campephagidae	Small Minivet	Pericrocotuscinnamomeus

31	Passeriformes	Oriolidae	Indian Golden Oriole	Orioluskundoo
32			Black-hooded Oriole	Oriolusxanthornus
33		Aegithinidae	Common Iora	Aegithinatipha
34		Rhipiduridae	Spot-breasted fantail	Rhipiduraaureola
35		Dicruridae	Black drongo	Dicrurusmacrocerus
36			Ashy Drongo	Dicrurusleucophaeus
37		Laniidae	Long-tailed Shrike	Laniusschach
38		Monarchidae	Indian Paradise-Flycatcher	Terpsiphonparadisi
39		Corvidae	House crow	Corvussplendens
40			Large-billed crow	Corvusmacrorhynchos
41		Stenostiridae	Gray-headed Canary-Flycatcher	Culicicapaceylonensis
42		Acrocephalidae	Booted Warbler	Idunacaligata
43		Cisticolidae	Common Tailorbird	Orthotomussutorius
44			Ashy Prinia	Priniasocialis
45		Pycnonotus	Red-whiskered bulbul	Pycnonotusjocosus
46			Red-vented bulbul	Pycnonotuscafer
47		Phylloscopidae	Hume's Warbler	Phylloscopushumei
48			Common Chiffchaff	Phylloscopuscollybita
49			Greenish Warbler	Phylloscopustrochiloides
50		Leiothrichidae	Jungle babbler	Turdoidesstriata
51			Oriental magpie-robin	Copsychussauralis
52		Sturnidae	Common myna	Acridotherestrictis
53		Muscicapidae	Indian Robin	Copsychusfulvicatus
54			Tickell's Blue Flycatcher	Cyornistickelliae
55			Taiga Flycatcher	Ficedulaalbicilla
56			Red-breasted Flycatcher	Ficedulaparva
57		Passeridae	House sparrow	Passer domesticus
58		Dicaeidae	Pale-billed flowerpecker	Dicaeumerythrorhynchos
59			Thick-billed Flowerpecker	Dicaeum agile
60		Nectariniidae	Purple-rumped Sunbird	Leptocomazeylonica
61			Purple Sunbird	Cinnyrisasiaticus
64			Scaly-breasted Munia	Lonchurapunctulata
62		Chloropseidae	Jerdon's Leafbird	Chloropsisjerdoni
63		Motacillidae	Gray wagtail	Motacillacinerea
65			White Wagtail	Motacilla alba
66		Fringillidae	Common Rosefinch	Carpodacuserythrinus

c. Reptiles

No.	Name of the animal	Scientific Name	No.	Name of the animal	Scientific Name
1.	sand Boa	Eryx conicus	7.	Indian wolf snake	Lycodon aulicus
2.	Viper Saw Scaled	Echis carinata	8.	Bamboo pit viper	Tremeresus gramineus
3.	Snake Rat / Dhaman	Ptyas mucosus	9.	Checkered Keelback	Xenochrophis piscator
4.	Cobra Indian	Naja nanja	10.	common Krait	Bungarus caeruleus
5.	Trinket snake	Coelognathus helena	11.	Turtle Fresh Water / Indian Soft Shelled	Presdypis entellus
6.	Green vine snake	Ahaetulla nasatu			