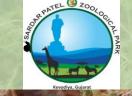
SARDAR PATEL ZOOLOGICAL PARK EKTA NAGAR



Annual Report 2021-22



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Report of the Officer In-charge

Dear Readers,

Sardar Patel Zoological Park entered it's second year of working since it's establishment. The Zoological park is situated near the Statue of Unity, the tallest statue in the world. It is situated in the vicinity of the Sardar Sarovar Dam at Ekta Nagar. It is a part of the tourism circuit at Ekta Nagar along with other attractions such as Cactus garden, Butterfly garden, River rafting, Valley of flowers, Ekta Nursery, Arogya Van, Viswa Van, Children Nutrition Park, Plant Maze, Glow Garden etc. It snugly resides in between the Satpuda and the Vindhyanchal ranges. The beautiful backdrop of mountains has only elevated the zoo's charisma.

This year Sardar Patel Zoological Park welcomed new members like Sloth bears, Indian Wolves, Striped Hyenas, Marsh crocodiles, Indian Gharials and Hippopotamus. This not only increased the existing charm of the zoo but also has stepped ahead in it's vision to conserve endangered pan-Indian wildlife. Even though the Zoo is in it's infancy due to it's recent establishment, the existing animals were reported to have acclimatized well, strengthening the fact that the zoo practiced good animal welfare practices and were able to provide an environment in which the animals are able to thrive.

A state-of-the-art veterinary hospital has been established and best of the facilities are being added with each passing day for treatment and disease diagnosis of the animals. Modern veterinary equipments like gas anesthesia unit along with ventilator has raised the bar for performing surgeries of zoo animals. The importance of correct diagnosis and then formulating a treatment plan is at the heart of all veterinary practices and hence the hospital is equipped with Ultrasonography unit, portable digital radiography, hematology analyzer, automatic serum-biochemistry unit, electric microscope, centrifuge, autoclave unit, operation tables, shadow less operation lights, nebulizer unit etc. Implementation of the best possible veterinary practices is an unspoken policy of SPZP.

Multiple Zoo outreach activities were carried out by Sardar Patel Zoological Park. The technical staff visited schools in vicinity that predominantly educated school children and distributed stationary kits, gave awareness lectures and spoke about the importance of the role of students and society in conservation of our rich biodiversity. Annual celebration of important wildlife days at the Zoo was carried out.

We take this opportunity to express our sincere gratitude to the CZA, the MoEF & CC, The DGFT Office, Department of Animal Husbandry and Fisheries, Government of India, for their kind support and cooperation.

We appreciate all of our valued zoo guests for supporting Sardar Patel Zoological Park on a regular basis. We dedicate the progress of SPZP to them!

I must conclude by expressing my gratitude to all of my zoo colleagues for their tremendous efforts and commitment to the care of zoo visitors and animals. It's a privilege to work with such lovely folks!

Take care, stay safe.

Thank you all!

Director Sardar Patel Zoological Park,

Ekta Nagar

History of the zoo

On October 31, 2018, the Statue of Unity, the tallest statue in the world, was dedicated to "Shri Sardar Vallabhbhai Patel" was made public near the Sardar Sarovar Dam in Gujarat. Arogya Van, Ekta Nursery, Sardar Patel Zoological Park, and many other new attractions have been created close to the Statue of Unity with the aim of developing this area into a tourism hub and destination. These locations include the Valley of Flowers, Glow Garden, Riverfront Cycling, Children Nutrition Park, River Rafting, and eco-tourism sites at Khalwani, Cactus Garden and Butterfly Garden. On the banks of the Narmada River, the Sardar Patel Zoological Park is surrounded by the picturesque Satpura and Vindhyanchal Mountain ranges.

Vision

• To complement ex-situ conservation of endangered wild animals and contribute towards raising awareness in masses, to strengthen conservation of wild life, in particular, and biodiversity as well as the environment.

Mission

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

Objective

The National Zoo Policy States:- "The main objective of the zoo shall be to complement and strengthen the National
efforts in conservation and strengthen the National efforts in conservation of the rich biodiversity of the country,
particularly the fauna."

Thus, Zoo, keeping with the above goals have following objectives: -

- Conservation: To conserve and preserve wild fauna by improving and enhancing the Captive Breeding Program of selected endangered species.
- Education: To educate and create awareness amongst the visitors about importance of biodiversity and its conservation. It also helps us 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 a rich collection of flora and fauna, both native and exotic species.

About Us

Basic Information of the Zoo

and the second					
	* Name of the Zoo	1	Sardar Patel Zoological Park	Visitors Facility Available in Zoo :	- Drinking Water Kiosks
2	 Year of Establishment 	:	2019		- Toilets at convenient locations
た実	* Address of the Zoo	:	Old JP Camp, Near Statue of Unity,		- Special toilets, wheel chairs & ramps
10			Ekta Nagar, Garudheshwar, Dist: Narmada	4、14世纪。中国主义	for differently abled person
A	* State	:	Gujarat		- Rest areas, sit-outs, visitor's shed at
	* Telephone Number	1.	02640232600		various locations
ALL AN	* Email Address	:	directorkjs@gmail.com		- Food Court / Canteen
See.	* Website	:	https://statueofunity.in/jungle-safari/		- Cloak room near the entrance gate
			https://www.soutickets.in/#/services-		- Perambulator for children
			venue-detail/jungle-safari		- First Aid & Help Booths
	Distance From Nearest		Airport: 95 km (Vadodra)		- Battery operated Zero emission vehicle
Y			Railway Station: 9 km (Ekta Nagar)		- Zoo Maps
1			Bus Station: 8 km (Kevadia)	Station States	- Publications
	* Recognition Valid up to (date)	:	17/10/2022	A State of the second s	- Souvenir Shop
1	* Category of the Zoo		Medium	* Weekly Closure of the Zoo :	Monday
	✤ Area (in Hectares)	:5	43.97		
5	* Number of Visitors	: -	7,13,355		

Management Personal of the zoo

Name with designation of the officer in-charge : Dr. Ram Ratan Nala (IFS)

Name of the Curator : Ravirajsinh Rathod

Name of the Veterinary Officer : 1. Dr. Jhanvi Chitariya 2. Dr. Nitesh Chaudhari

Name of the Biologist : Ravikumar Patel

Name of the Livestock Inspector : 1. Ketan Bhil 2. Shubham Lakhara

Owner/Operator of the zoo

Name of the Operator : Additional Chief Secretary, Forest & Environment Department,

Government of Gujarat

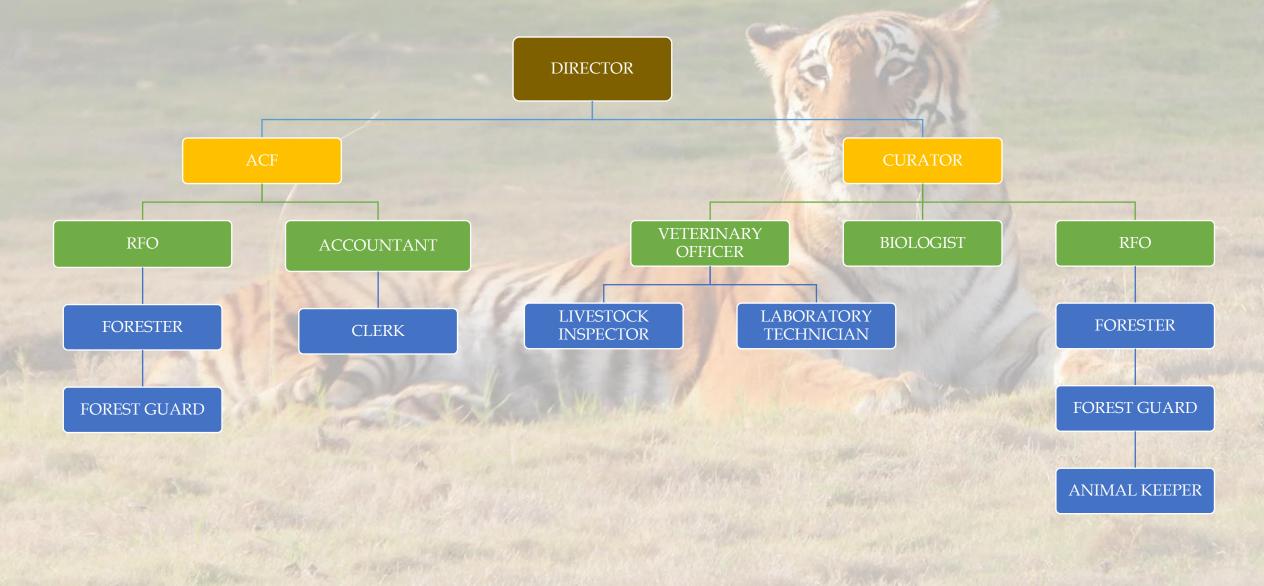
Address of the Operator : Additional Chief Secretary (Forest & Env.), Forest and Environment

Department, Block 14, 8th floor, Gandhinagar.

Contact Details/Phone number of Operator : +91 7923251051

Email Address of the Operator : ds-f-fed@gujarat.gov.in

Organisational Chart of Sardar Patel Zoological Park



Human Resource

Officers/Officials working in Sardar Patel Zoological Park, Ekta Nagar

Sr. N o.	Designation	Number of Post	Name of incumbent
1	Deputy Conservator of Forest	1	Dr. R. R. Nala (IFS)
2	Assistant Conservator of Forest	1	R. D. Jadeja
3	Curator	1	R. Rathod
4	Range Forest Officer	5	R. D. Jadav, M. Patel, C. Machi, B. Kahar, J. Vaja
5	Forester	5	N. H. Pancholi, R. S. Rathva, S. R. Chauhan, D. C. Vasava, J. R. Tadvi
6	Beat Guard	14	A. K. Tadvi, R. B. Tadvi, S. R. Tadvi, R. R. Vasava, H. G. Vasava, B. N. Machi, U. R. Rathva, K. M. Patel, K. B. Rathva, K. V. Gohel, Y. D. Vasava, K. P. Tadvi, B. S. Vasava
7	Veterinary Officer	2	Dr. J. Chitariya, Dr. N. Chaudhary
8	Biologist	2	R. Patel, H. Patel
9	Accountant	1	P. L. Matroja
10	Clerk	2	D. C. Patel, R. B. Makvana

Out-source Employees working in Sardar Patel Zoological Park, Ekta Nagar

Sr. No.	Designation	Number of Post	Name of incumbent
1	Animal Keeper	66	D. Tadvi, A. Tadvi, G. Tadvi, N. Tadvi, J. Tadvi, J. Tadvi, K. Tadvi, K. Tadvi, T. Tadvi, J. Tadvi, S. Tadvi, H. Tadvi, P. Tadvi, D. Tadvi, H. Tadvi, K. Tadvi, A. Tadvi, C. Tadvi, N. Tadvi, A. Tadvi, N. Tadvi, D. Tadvi, K. Tadvi, J. Tadvi, J. Tadvi, A. Tadvi, H. Tadvi, K. Tadvi, R. Tadvi, G. Tadvi, D. Tadvi, N. Tadvi, H. Tadvi, S. Tadvi, B. Tadvi, D. Bariya, A. Tadvi, H. Tadvi, N. Tadvi, A. Tadvi, D. Vasava, R. Tadvi, Y. Tadvi, P. Tadvi, C. Tadvi, M. Vasava, R. Vasava, A. Tadvi, P. Tadvi, P. Tadvi, A. Tadvi, D. Tadvi, C. Tadvi, V. Bhil, U. Tadvi, J. Tadvi, S. Tadvi, A. Tadvi, J. Tadvi, N. Tadvi, M. Tadvi, N. Tadvi, V. Tadvi, B. Tadvi, D. Tadvi, D. Tadvi
2	Computer Operator	4	D. Tadvi, N. Tadvi, Y. Pathak, V. Chauhan
3	Receptionist	1	R. Tadvi
4	Office Assistant	1	P. Suthar
5	Store Keeper	2	Y. Tadvi, Y. Vasava
6	Driver	13	C. Tadvi, D. Tadvi, K. Vasava, A. Tadvi, V. Dave, R. Tadvi, C. Tadvi, V. Tadvi, A. Tadvi, A. Tadvi, L. Tadvi, F. Malek, B. Tadvi
7	Head Gardner	4	N. Tadvi, J. Tadvi, R. Tadvi, A. Vasava
8	Gardener	12	N. Tadvi, H. Tadvi, A. Tadvi, D. Tadvi, I. Tadvi, M. Tadvi, D. Vasava, C. Tadvi, R. Tadvi, H. Tadvi, M. Tadvi, J. Tadvi
9	Cleaner	12	S. Tadvi, K. Bariya, K. Tadvi, M. Tadvi, M. Tadvi, R. Harijan, M. Harijan, S. Harijan, P. Harijan, R. Harijan, V. Solanki, P. Tadvi
10	Electrician	2	J. Tadvi, M. Tadvi
11	Pump Operator	2	S. Patel, K. Tadvi
12	Cook & Kitchen Helper	5	V. Tadvi, S. Tadvi, R. Tadvi, V. Tadvi, D. Vasava
13	Security	20	A. Tadvi, H. Tadvi, B. Tadvi, S. Tadvi, P. Tadvi, S. Tadvi, D. Tadvi, N. Tadvi, A. Tadvi, G. Bhil, M. Tadvi, S. Tadvi, R. Tadvi, A. Tadvi, D. Dungrabhil, S. Tadvi, G. Tadvi, B. Tadvi, P. Tadvi, S. Tadvi

Zoo Advisory Committee

Retired IFS Shri Bharat Pathak has been appointed as Zoo Advisor for Sardar Patel Zoological Park. He was a member of Central Zoo Authority Of India, Gujarat Biodiversity Board, Govt. of Gujarat, Currently, Honorary State Academic. He has about 40 years of Forest and Wildlife Ecology/ Conservation as a member of Forest Service, focused on Forest and Wildlife Conservation management with ecosystem approach. He visits Sardar Patel Zoological Park and continuously provides valuable guidance and steered the zoo in accomplishing its core vision, mission and objective.

Health Advisory Committee

Sr. No.	Name	Designation
1	Director, Sardar Patel Zoological Park	Chairman
2	Dy. Director, Animal Husbandry, Rajpipla	Member
3	HOD, Pathology/Parasitology/Microbiology, Navsari Agricultural University	Member
4	Veterinary Officer, Indroda Nature Park, Gandhinagar	Member
5	Veterinary Officer, Sardar Patel Zoological Park	Member
6	ADIO, Bharuch	Member
7	Curator, Sardar Patel Zoological Park	Member Secretary

Statement of Income & Expenditure of the Zoo

- Year: 2021-22
- Income from Entry Fees(Deposited in Society of Zoological Park) : ₹ 11,63,38,455
- Expenditure (Done from society accounts) : ₹ 6,95,98,257
- **Remarks:** The data is from audited sheets of society of Zoological Park. Income from entry fees of the zoological park is deposited in the society of the zoological park and expenses are the incurred from society as per approved budget of the society.

Daily Feed Schedule of Animals

Sr. No.	Species	Feed Item	Season	Feeding Time	Day of Fasting
1	1HerbivoresVegetables, fodder, concentrate, grains2CarnivoresBeef, chicken, dry dog food		All season	Twice a day	-
2			All season	Once a day	Thursday
3	Omnivores	Vegetables, fruits, eggs, worms, milk, grains, bread	All season	Twice a day	-
4	Aves	Vegetables, fruits, grains, worms, fish, eggs	All season	Twice a day	-
5	Reptiles (Crocodiles & Gharials)	Fish & beef	All season	Once every week	-
6	Reptiles (Iguana & Sulcata Tortoise)	Vegetables, fruits, flowers, leaves	All season	Twice a day	

Vaccination Schedule of Animals

NAME OF ANY	Sr. No.	Species	Disease vaccinated against	Name of the Vaccine and dosage/ quantity used	Periodicity
	1	All Feline (Lion, Tiger, Leopard, Serval etc.)	Feline Panleukopenia, Feline Calcivirus, Feline Rehinotrachitis Rabies	Feligen (1ml / animal SC)	Annual
A A R. A. LANDAN	2	All Canines (Dhole, Wolf, Hyena, Silver Fox,	Canine Distemper Virus, Canine Adeno Virus, Canine Parvo Virus, Parainfluenza, Leptospirosis Rabies	Nobivac Dhappi, Nobivac Lepto, Nobivac R (1 ml / animal SC)	Annual
ALL STREET AND	3	Omnivores (Sloth Bear)	Leptospirosis Rabies	Nobivac Lepto, Nobivac R (1 ml / animal SC)	Annual
	4	Equus hemionus and Rhinoceros unicornis	Tetanus	Tetanus Toxoid (5 ml/ animal IM)	Annual
Party Party	5	All Indian Birds	Lasota	Water based	Annual

Deworming Schedule of Animals

Sr. No.	Species	Drug used	Month
1	All Carnivores	Combination of	Quarterly
		1) Albendazole	
		2) Praziquantel,	
		3) Ivermectin	
2	All Herbivores	1) Albendazole	Quarterly
		2) Fenbedazole	
		3) Ivermectin	
3	All Birds	Combination of	Quarterly
		1)Praziquantel	
		2)Fenbendazole	
		3)Amprolium	
4	Primates	1) Albendazole	Quarterly
		2) Fenbedazole	
		<u>.</u>	
5	Reptiles	1) Fenbedazole	In case of positive faecal sample or annually
			(whichever is earlier)
		1 - 100 ADD 4 Day Some - and a state	

Dis-infection Schedule

Sr. No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	AllCarnivores	 Night Shelter Open Enclosure 	 Chemical (Kohrsolin-TH) Burning Method 	Once in a week Once in a week
2	AllBirds/ Herbivores/ Reptiles/ primates	 Night Shelter Open Enclosure 	 Chemical (Kohrsolin-TH) Burning Method 	Once in a week Twice in a month
3.	Zoo pathways, entry gate foot dips, goods carriage vehicles	Zoo pathways, entry gate	- Chemical (Kohrsolin-TH)	Alternate day

Abstract of Veterinary Activities of the Zoo (2021-2022)

No	Activities	Number of cases dealt
1	Cases treated	201
2	Surgery performed	3
3	De-worming	1600
4	Chemical Immobilizations	5
5	Screening of Blood samples	2
6	Biochemical assay	2
7	Bacteriological examination	5
8	Faecal sample examination	300

Health Check-up of employees for Zoonotic Diseases

• All employees are vaccinated for prevention of COVID-19 along with

booster dose.

• Regular screening of all employees for COVID-19.

Development work carried out in the zoo during the year



Indian Wolf Enclosure



Sloth Bear Enclosure



Hippopotamus Enclosure





Gharial Enclosure

Marsh Crocodile Enclosure

Development work carried out in the zoo during the year





Chimpanzee Enclosure

Jaguar Enclosure



Wild Dog Enclosure





Leopard Enclosure

Small Primate Enclosure

Development work carried out in the zoo during the year

Veterinary Hospital & its Facilities



Veterinary Hospital Main Building



Waiting Area



Operation Theatre







Kraals

Veterinary Doctor Room

Pharmacy

Education and awareness programs during the year

Sr. No.	Event Name	Date
1	World Tiger Day	29/07/2021
2	Wildlife Week / Azadi ka Amrut Mahotsav	02/08/2021 - 08/10/2021
3	World Lion Day	10/08/2021
4	World Rhino Day	22/09/2021
5	World Lemur Day	29/10/2021

Seasonal special arrangement for upkeeping of animals

Sr. No.	Season	Arrangements
1	Winter	 Air heater are used in enclosures and night rooms. Dry grass provided as bedding material to give warm and comfortable resting area. Seasonal fruits and oily seeds provided to birds and animals. Rocky and sandy area created for reptiles to bask.
2	Summer	 Air cooler/Air Conditioner are used in enclosures and night rooms. Water pools are provided in enclosures. Electrolyte powder is given in drinking water. Mist sprayers and sprinklers are installed in all enclosures. Seasonal fruits and seeds are provided to birds and animals.

Research and Publication

- Chaudhari, N., Nala R., Chitariya J. & Patel, R. (2022). Management of contracted flexor tendon deformity in a Sambar Deer (*Rusa unicolor*) fawn A case report. Indian Zoo Year Book. Vol. 9:54-57
- Patel, R., Nala, R., Patel, H. & Chaudhari, N. (2022). Successful breeding of South American Coati Nasua nasua (Linnaeus, 1766) in Sardar Patel Zoological Park, Kevadia, Gujarat, India. Indian Zoo Year Book. Vol. 9:6-8

Animal acquisition/transfer/exchange during the year

Sr No.	Species Name	Number (M:F:U)	From Which Zoo	Date of Arrival in the Zoo
1	Sloth Bear	1:1:0	Sakkarbaug Zoological Garden	03/12/2021
2	Indian Wolf	1:2:0	Sakkarbaug Zoological Garden	03/12/2021
3	Striped Hyena	1:1:0	Sakkarbaug Zoological Garden	03/12/2021
4	Marsh Crocodile	0:0:10	Indroda Nature Park	10/12/2021
5	Marsh Crocodile	0:0:8	Kevadia Rescue Division	10/12/2021
6	Gharial	2:4:0	Nawab Wajid Ali Shah Zoological Garden	07/12/2021
7	Hippopotamus	1:0:0	National Zoological Park	04/01/2022

Rescue and Rehabilitation of wild animals carried out by the Zoo

Sr. No	Date	Species	Rescue Location	Name of Rescuer	Condition of Animal	Status of Animal
1	30/04/21	Mottled Wood Owl	Kevadia	D. N. Vasava (Beat Guard, Kevadia)	Dehydrated and severely injured	Died on 02/05/21
2	07/06/21	Four-horned Antelope	Gora Range	Sanjay Bariya (Beat Guard, Kevadia)	Injured	Under observation
3	07/06/21	Star Tortoise	Rajpipla	-	Good and Active	Kept at zoo
4	18/08/21	Four-horned Antelope	Gora Range	P. R. Tadvi (Beat Guard)	Dehydrated and weak	Died after few days
5	07/10/21	Peafowl	Kevadia	D. N. Vasava (Beat Guard, Kevadia)	Injured	Released
6	10/11/21	Peafowl	Gora Range	V. P. Tadvi (Forester)	Injured	Released
7	21/12/21	Peafowl	Rajpipla	V. D. Gohil (Beat Guard)	Injured	Released
8	08/02/22	Oriental White Ibis	Bharuch	Akash Patel	Injured	Released
9	19/03/22	Oriental White Ibis	Kevadia	V. D. Gohil	Injured	Released
10	19/03/22	Indian Rock Pigeon	Gora Range	V. D. Gohil	Injured	Released
11	20/03/22	Indian Eagle Owl	Gora Range	Parimalsinh Rana	Dehydrated	Released

Annual Animal Inventory Report from April 2021 to March 2022 Sardar Patel Zoological Park, Ekta Nagar

		Stock	as on						7April	2021 -	March	2022						Stock	as on	
		01-04	-2021			Births		Ace	quisitio	ns	Di	sposa	ls	I	Deaths			31-03	-2022	
Schedule I and II	М	F	U	Т	М	F	U	М	F	U	М	F	U	Μ	F	U	М	F	U	Т
Mammals	16	17	19	52	1	5	7	9	17	10	0	0	0	7	8	0	23	41	22	86
Birds	5	7	0	12	0	0	5	0	0	0	0	0	0	1	0	0	5	7	7	19
Reptiles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	10	16
Total	21	24	19	64	0	0	15	0	0	0	0	0	0	0	0	0	30	52	39	121
Other Schedule Species																				
Mammals	11	15	20	46	0	0	10	2	2	0	0	0	0	5	3	0	17	25	10	25
Birds	15	16	163	194	0	0	26	55	40	7	0	0	0	4	9	0	68	52	189	309
Reptiles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	89	81	192	362	0	0	36	57	42	7	0	0	0	9	12	0	85	77	199	361
Exotic Species	-																			
Mammals	15	15	5	35	2	2	4	1	0	0	0	0	0	1	1	0	18	18	6	42
Birds	17	18	906	941	0	0	13	0	0	0	0	0	0	1	2	0	16	18	917	951
Reptiles	3	3	0	6	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	6
Total	35	36	911	982	2	2	17	1	0	0	0	0	0	3	3	0	37	38	923	998
Grand Total																				
Mammals	42	47	44	133	3	7	21	12	19	10	0	0	0	13	12	0	58	84	38	180
Birds	37	41	1069	1147	0	0	46	55	40	7	0	0	0	6	10	0	89	77	1113	1279
Reptiles	3	3	0	6	0	0	0	2	4	10	0	0	0	0	0	0	5	7	10	22
Total	82	91	1113	1259	3	7	67	69	63	27	0	0	0	19	22	0	153	168	1160	1481

Total specie	es as on 31 st N	larch 202	2	
	Mammals	Birds	Reptile	Total
			S	
Schedule I and II Species	14	2	2	18
Other Schedule Species	6	19	0	25
Exotics Species	17	20	3	40
Total	37	41	5	83

Inventory of Schedule I and II Species of Mammals (Wildlife Protection Act 1972), from April 2021 to March 2022

				Stock	as on					A	pril 202	21 - M	arch 2	2022		-				Stock	as on	
Sr. No.	Common Name	Scientific Name		01-04	-2021			Births		Aco	quisitio	ns	D	isposa	ls	۵	Death	5		31-03	-2022	
			Μ	F	U	Т	Μ	F	U	Μ	F	U	М	F	U	Μ	F	U	Μ	F	U	Т
1	ASIATIC LION	Panthera leo percicus	1	1	0	2	1	1	0	0	0	0	0	0	0	0	0	0	2	2	0	4
2	INDIAN LEOPARD	Panthera pardus fusca	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
3	BENGAL TIGER	Panthera tigris tigris	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
4	MANIPUR BROW-ANTLERED DEER	Rucervus eldii eldii	0	2	1	3	0	0	0	2	3	0	0	0	0	2	2	0	0	4	0	4
5	BLACKBUCK	Antilope cervicapra	4	6	10	20	0	0	5	0	0	0	0	0	0	2	3	0	5	10	5	20
6	INDIAN GAZELLE	Gazella bennettii	1	2	2	5	0	4	0	0	0	0	0	0	0	0	0	0	1	4	4	9
7	FOUR-HORNED ANTELOPE	Tetracerus quadricornis	2	2	6	10	0	0	2	0	0	0	0	0	0	2	3	0	1	3	3	7
8	INDIAN GAUR	Bos gaurus	1	1		2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
9	INDIAN WILD ASS	Equus hemionus khur	4	0	0	4	0	0	0	0	0	0	0	0	0	1	0	0	3	0	0	3
10	ONE HORNED RHINOCEROS	Rhinoceros unicornis	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	2
11	INDIAN WOLF	Canis lupus pallipas	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	1	2	0	3
12	BEAR SLOTH	Melanurus ursinus	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	2
13	BLACKBUCK (WHITE)	Antilope cervicapra	0	0	0	0	0	0	0	5	10	10	0	0	0	0	0	0	5	10	10	25
14	LEOPARD (MELANISTIC)	Panthera pardus	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	TOTAL		16	17	19	52	1	5	7	9	17	10	0	0	0	7	8	0	23	41	22	86

Inventory of Schedule I and II Species of Birds (Wildlife Protection Act 1972), from April 2021 to March 2022

				Stock	as on						April 2	.021 -	March	ו 2022	2				S	tock a	is on	
Sr. No.	Common Name	Scientific Name		01-04	-2021			Births		Acc	quisiti	ons	D	isposa	ls	[Deaths	5	3	31-03- 2	2022	
			Μ	F	U	Т	М	F	U	М	F	U	Μ	F	U	М	F	U	Μ	F	U	Т
1	EURASIAN SPOONBILL	Platalea leucorodia	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
2	INDIAN PEAFOWL	Pavo cristatus	4	6	0	10	0	0	7	0	0	0	0	0	0	0	0	0	4	6	7	17
	TOTAL		5	7	0	12	0	0	7	0	0	0	0	0	0	0	0	0	5	7	7	19

Inventory of Schedule I and II Species of Reptiles (Wildlife Protection Act 1972), from April 2021 to March 2022

			S	tock a	s on					ļ	April 2	2021 -	March	2022					5	Stock	as on	
Sr. No.	Common Name	Scientific Name	C	<u>)1-04-2</u>	021			Births		Acc	quisiti	ons	Di	sposa	ls	۵	Deaths	5	3	<u>81-03-</u>	-2022	
			М	F	U	Т	М	F	U	М	F	U	М	F	U	Μ	F	U	Μ	F	U	Т
1	MARSH CROCODILE	Crocodylus palustris	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	10	10
2	GHARIAL	Gavialis gangeticus	0	0	0	0	0	0	0	2	4	0	0	0	0	0	0	0	2	4	0	6
	TOTAL		0	0	0	0	0	0	0	2	4	10	0	0	0	0	0	0	2	4	10	16

Inventory of Other Schedule Species of Mammals (Wildlife Protection Act 1972), from April 2021 - March 2022

				Stoc	k as or	۱				Ju	ıly 202	22 - Se	ptemb	er 202	2					Stock	as on	
Sr. No.	Common Name	Scientific Name		01-0	4-202 1	L		Births	;	Ac	quisiti	ons	D	isposa	ls	[Deaths	5		31-03·	-2022	
			Μ	F	U	Т	М	F	U	Μ	F	U	М	F	U	М	F	U	Μ	F	U	Т
1	SPOTTED DEER	Axis axis	4	6	8	18	0	0	3	0	0	0	0	0	0	0	0	0	6	7	3	1 6
2	INDIAN MUNTJAC	Muntiacus muntjak	2	2	1	5	0	0	1	0	0	0	0	0	0	0	0	0	1	3	1	5
3	SAMBAR	Rusa unicolor	4	6	9	19	0	0	4	0	0	0	0	0	0	0	0	0	8	11	4	2 3
4	HIMALAYAN GORAL	Naemorhedus goral	1	1	2	4	0	0	2	0	0	0	0	0	0	0	0	0	1	2	2	5
5	INDIAN WILD DOG	Cuon alpinus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
6	HYENA STRIPED	Hyaena hyaena	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	TOTAL		11	15	20	46	0	0	1	0	0	0	0	0	0	0	0	0	17	25	10	5 2

Inventory of Other Schedule Species of Birds (Wildlife Protection Act 1972), from April 2021 - March 2022

				Stoc	< as or					Jul	y 202	2 - Se	ptemb	oer 20	22					Stock	as on	
Sr. No.	Common Name	Scientific Name		01-04	4-2021	L		Births	i	Acc	quisiti	ons	Di	isposa	als	[Death	S		31-03	-2022	
			М	F	U	Т	М	F	U	М	F	U	М	F	U	М	F	U	Μ	F	U	Т
1	PAINTED STORK	Mycteria leucocephala	1	2	20	23	0	0	17	0	0	0	0	0	0	0	0	0	0	0	40	40
2	GREAT WHITE PELICAN	Pelecanus onocrotalus	2	2	4	8	0	0	0	0	0	0	0	0	0	0	1	0	2	2	3	7
3	RED JUNGLEFOWL	Gallus gallus	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
4	ALEXANDRINE PARAKEET	Psittacula eupatria	9	10	6	25	0	0	0	0	0	0	0	0	0	0	0	0	9	10	6	25
5	PLUM-HEADED PARAKEET	Psittacula cyanocephala	0	0	22	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	22
6	ROSE RINGED PARAKEET	Psittacula krameri	0	0	0	0	0	0	0	55	40	7	0	0	0	0	0	0	55	40	7	10 2
7	WHITE IBIS	Threskiornis melanocephalus	1	2	4	7	0	0	2	0	0	0	0	0	0	0	1	0	0	0	8	8
8	RED NAPED IBIS	Pseudibis papillosa	0	0	20	20	0	0	0	0	0	0	0	0	0	0	2	0	0	0	18	18
9	LESSER FLAMINGO	Phoeniconaias minor	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
10	COMMON CRANE	Grus grus	0	0	4	4	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3	3
11	DEMOISELLE CRANE	Grus virgo	0	0	5	5	0	0	0	0	0	0	0	0	0	1	0	0	0	0	4	4
12	SARUS CRANE	Antigone antigone	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
13	EGRET	Bubulcus ibis	0	0	33	33	0	0	0	0	0	0	0	0	0	2	3	0	0	0	28	28
14	POND HERON	Ardeola grayii	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
15	NIGHT HERON	Nycticorax nycticorax	0	0	10	10	0	0	3	0	0	0	0	0	0	0	0	0	0	0	13	13
16	LESSER WHISTLING TEAL	Dendrocygna javanica	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
17	COMB DUCK	Sarkidiornis sylvicola	0	0	16	16	0	0	4	0	0	0	0	0	0	0	0	0	0	0	20	20
18	BAR HEADED GOOSE	Anser indicus	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
19	GREYLAG GOOSE	Anser anser	0	0	11	11	0	0	0	0	0	0	0	0	0	1	1	0	0	0	9	9
	TOTAL		15	16	16 3	19 4	0	0	26	55	40	7	0	0	0	4	9	0	68	52	18 9	30 9

Inventory of Exotic Species of Mammals from April 2021 - March 2022

Sr.				Stock as on						J	uly 20	22 - Se	eptemk	oer 20	22					Stock	as on	
No	Common Name	Scientific Name		01-04	I-2021		i	Births		Ace	quisiti	ons	Di	isposa	ls	[Deaths			31-03	-2022	
1			М	F	U	Т	М	F	U	М	F	U	М	F	U	М	F	U	М	F	U	т
1	SQUIRREL MONKEY	Saimiri sciureus	1	1	0	2	0	0	2	0	0	0	0	0	0	0	0	0	1	1	2	4
2	COTTON-TOP TAMARIN	Saguinus Oedipus	1	1	2	4	0	0	0	0	0	0	0	0	0	0	1	0	1	1	2	4
3	COATIMUNDI	Nasua nasua	1	1	2	4	0	1	0	0	0	0	0	0	0	0	0	0	2	3	0	5
4	TUFTED CAPUCHIN	Cebus paella	1	1	0	2	0	0	2	0	0	0	0	0	0	0	0	0	1	1	2	4
5	LLAMA	Lama glama	1	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3
6	ALPACA	Vicugna pacos	1	2	0	3	0	1	0	0	0	0	0	0	0	0	0	0	1	3	0	4
7	RED NECKED WALLABY	Macropus rufogriseus	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
8	BAT EARED FOX	Otocyon megalotis	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
9	SERVAL CAT	Leptailurus serval	1	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3
10	GIRAFFE	Giraffa camelopardalis	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
11	GEMSBOK / ORYX	Oryx gazelle	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
12	ZEBRA	Equus quagga	2	1	0	3	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1
13	WILDBEEST	Connochaetes taurinus	1	2	0	3	1	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3
14	COMMON MARMOSET	Callithrix jacchus	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
15	RED HANDED TAMARIN	Saguinus midas	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
16	RING TAIL LEMUR	Lemur catta	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
17	HIPPOPOTAMUS	Hippopotamus amphibius	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1
	EXOTIC TOTAL		15	15	5	35	2	2	4	1	0	0	0	0	0	1	1	0	18	18	6	42

Inventory of Exotic Species of Birds from April 2021 - March 2022

				Stock	as on						April 2	022 to	June	2022	2					Stoc	k as on	
Sr. No.	Common Name	Scientific Name		01-04	-2021			Births	i	Ac	quisitio	ons	D	ispos	als		Death	5		31-0	<u>3-2022</u>	
			М	F	U	Т	М	F	U	Μ	F	U	Μ	F	U	Μ	F	U	Μ	F	U	Т
1	GOLDEN PHEASANT	Chrysolophus pictus	1	1	0	2	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1	1
2	BUDGERIGAR	Melopsittacus undulates	0	0	330	330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	330	330
3	PEACH-FACED LOVEBIRD	Agapornis roseicollis	0	0	215	215	0	0	0	0	0	0	0	0	0	0	0	0	0	0	215	215
4	GREEN CHEEKED CONURE	Pyrrhura molinae	0	0	49	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	49
5	COCKATIEL	Nymphicus hollandicus	0	0	66	66	0	0	2	0	0	0	0	0	0	0	0	0	0	0	68	68
6	BLUE GOLD MACAW	Ara ara rauna	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
7	RED AND GREEN MACAW	Ara chloropterus	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
8	SCARLET MACAW	Ara macao	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
9	ORANGE WINGED AMAZON	Amazona amazonica	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
10	OSTRICH	Struthio molybdophanes	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3
11	EMU	Dromaius novaehollandiae	0	0	8	8	0	0	3	0	0	0	0	0	0	0	0	0	0	0	11	11
12	VIOLET TURACO	Tauraco violaceus	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
13	CHENNAL BILLED TOUCAN	Ramphastos vitellinus	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
14	LADY AMHERST PHEASANT	Chrysolophus amherstiae	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3
15	SIVER PHEASANT	Lophura nycthemera	2	3	0	5	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	5
16	BLUE MELANISTIC PHEASANT	Lophura swinhoii	4	3	0	7	0	0	0	0	0	0	0	0	0	1	1	0	3	2	0	5
17	BLACK SWAN	Cygnus atratus	0	0	5	5	0	0	7	0	0	0	0	0	0	0	0	0	1	1	10	12
18	CAROLINA DUCK	Aix sponsa	3	3	0	6	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	6
19	FINCHES	Fringillidae sp.	0	0	200	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	200
20	DAIMOND DOVE	Geopelia cuneata	0	0	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30
	EXOTIC TOTAL		17	18	906	941	0	0	13	0	0	0	0	0	0	1	2	0	16	18	917	951

Inventory of Exotic Species of Reptiles from April 2021 - March 2022

				Stoc	k as on	1				J	uly 20	22 - Se	ptemb	oer 20	22	_				Stock	as on	
Sr. No.	Common Name	Scientific Name		01-0	<u>4-2021</u>			Births	;	Ac	quisiti	ons	D	isposa	ls		Death	s		<u>31-03-</u>	2022	
			Μ	F	U	Т	М	F	U	М	F	U	М	F	U	М	F	U	М	F	U	Т
1	GREEN IGUANA	Iguana iguana	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
2	RED IGUANA	Iguana iguana	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
3	SULCATA TORTOISE	Centrochelys sulcata	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
	EXOTIC TOTAL		3	3	0	6	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	6

Mortality Report from April 2021 - March 2022

Sr No	Date	Species	м	F	U	т	Cause of Death
1	12/04/2021	THAMIN DEER	0	1	0	1	Septic Shock
2	27/04/2021	EGRET	0	1	0	1	Cardiac Failure
3	06/05/2021	GOLDEN PHEASANT	0	1	0	1	Hypovolemic Shock
4	11/05/2021	BLACK BUCK	1	0	0	1	Septic Shock
5	13/05/2021	BLACK BUCK	0	1	0	1	Septic Shock
6	14/05/2021	ZEBRA	1	0	0	1	Colic
7	14/05/2021	ZEBRA	0	1	0	1	Colic & Respiratory Failure
8	15/05/2021	BLACK BUCK	0	1	0	1	Respiratory Failure
9	03/06/2021	GREY LEG GOOSE	1	0	0	1	Asphyxia
10	20/06/2021	SPOTTED DEER	1	0	0	1	Chronic Respiratory Diseases
11	20/06/2021	SPOTTED DEER	0	1	0	1	Respiratory Failure
12	06/06/2021	INDIAN WILD ASS	1	0	0	1	Colic
13	08/06/2021	FOUR HORNED ANTELOPE	1	0	0	1	Septic Shock
14	29/06/2021	EGRET	1	0	0	1	Hypovolemic Shock
15	10/07/2021	DEMOISELLE CRANE	1	0	0	1	Traumatic Shock
16	22/07/2021	EGRET	0	1	0	1	Respiratory Failure
17	06/08/2021	FOUR HORNED ANTELOPE	0	1	0	1	Hypovolemic Shock
18	08/08/2021	GOLDEN PHEASANT	1	0	0	1	Septic Shock
19	28/08/2021	EGRET	0	1	0	1	Hypovolemic Shock
20	21/09/2021	SPOTTED DEER	0	1	0	1	Septic Shock
21	22/09/2021	BLACK BUCK	1	0	0	1	Respiratory Failure
22	24/04/2021	BARKING DEER	1	0	0	1	Hypovolemic Shock
23	03/10/2021	RED NAPED IBIS	0	1	0	1	Traumatic Shock

Sr No	Date	Species	М	F	U	т	Cause of Death
24	21/10/2021	THAMIN DEER	0	1	0	1	Respiratory Failure
25	25/10/2021	GREAT WHITE PELICAN	0	1	0	1	Hypovolemic Shock
26	11/11/2021	BLACK BUCK	0	1	0	1	Respiratory Failure
27	27/11/2021	SPOTTED DEER	0	1	0	1	Dystocia
28	29/11/2021	COMMON CRANE	0	1	0	1	Traumatic Shock
29	14/11/2021	WHITE IBIS	0	1	0	1	Asphyxia
30	25/12/2021	SPOTTED DEER	1	0	0	1	Pneumonia
31	12/01/2022	EGRET	1	0	0	1	Head Injury
32	02/02/2022	RED NAPED IBIS	0	1	0	1	Respiratory Failure
33	07/02/2022	THAMIN DEER	1	0	0	1	Cardio-Respiratory Failure
34	09/02/2022	STRIPPED HYENA	1	0	0	1	Respiratory Failure
35	02/03/2022	GREY LEG GOOSE	0	1	0	1	Hypovolemic Shock
36	04/03/2022	THAMIN DEER	1	0	0	1	Hypovolemic Shock
37	17/03/2022	BLUE MELANISTIC PHEASANT	1	0	0	1	Respiratory Failure
38	24/03/2022	BLUE MELANISTIC PHEASANT	0	1	0	1	Traumatic Shock
39	29/03/2022	HIMALYAN GORAL	1	0	0	1	Respiratory Failure
40	29/03/2022	FOUR HORNED ANTELOPE	0	1	0	1	Respiratory Failure
41	29/03/2022	FOUR HORNED ANTELOPE	1	0	0	1	Respiratory Failure
42	29/03/2022	FOUR HORNED ANTELOPE	0	1	0	1	Respiratory Failure
		TOTAL	19	23	0	42	

	Mammals					
1	Five-striped palm squirrel (Funambulus pennant)					
2	Indian grey mongoose (Herpestes edwardsii)					
3	Indian flying fox (Pteropus giganteus)					
4	Indian porcupine (Hystrix indica)					
	Birds					
5	Indian grey hornbill (Ocyceros birostris)					
6	White-browned fantail (Rhipidyra eureola)					
7	Indian peafowl (Pavo cristus)					
8	Red-wattle lapwing (Vanellus indicus)					
9	Gray francolin (Francolinus pondicerianus)					
10	Shikra (Accipiter badius)					
11	Mottled wood owl (Strix ocellata)					
12	Spotted owlet (Athene brama)					
13	Jungle-babbler (Turdoides striata)					
14	Baya weaver (Ploceus philippinus)					
15	Crested bunting (Melophus lathami)					
16	Indian grey hornbill (Ocyceros birostris)					
17	White-browned fantail (Rhipidyra eureola)					
18	Indian peafowl (Pavo cristus)					
	Reptiles					
19	Fan-throated lizard (Sitana ponticeriana)					
20	Monitor lizard (Varanus bengalensis)					
21	Oriental garden lizard (Calotes versicolor)					
22	Bronzeback tree snake (Dendrelaphis tristis)					
23	Checkered keelback (Xenochrophils piscator)					
24	Common krait (Bungarus caeruleus)					
25	Common sand boa (Eryx conicus)					
26	Indian cobra (<i>Naja naja)</i>					
27	Indian rock python (Python molurus)					
28	Indian wolf snake (Lycodon aulicus)					
29	Rat snake (<i>Ptyas mucosa)</i>					
30	Red sand boa (<i>Eryx johnii)</i>					
31	Trinket snake (Coelognathus Helena)					

List of free living wild animals within the zoo premises

Feeding Requirement and Feeding Schedule of animals Sardar Patel Zoological Park, Ekta Nagar, Gujarat

Sardar Pater 1001066 cal Park



Sardar Pater 1001066 cal Park

Tis	ger	No of Animals in Enclosure 2						
		Average adult	Average adult body weight 160 kg					
SN	Particular	Male	Female	Total (kg)	Remark			
1	Beef with bones	8 kg	7 kg	15 kg	Meat Quality Assessment to			
2	Chicken	2 kg	2 kg	4 kg	be carried out on daily basis			
4	Supplement	Vitamin, Minera (Minimum 3 tim						
5	Suggestions	One day off in a	week					

As	Asiatic Lion		No of Anin	No of Animals in Enclosure 2 + 2				
			Average ac	dult body weight 140 kg				
SN	Particular	Male	Female	Cub - 2 cubs (Up to 1.5 year)	Total (kg)	Remark		
1	Beef with bone	7 kg	7 kg	6 kg	20 kg	(Boneless in Male) Meat quality		
2	Chicken	1 kg	1 kg	3 kg	5 kg	assessment to be carried out on daily basis		
4	Supplement		Mineral and A m 3 times a w	mino Acid supplement eek)				
5	Suggestions	One day	off in a week					

		5,	0				
Leopard Co			No of	Animals in En	closure 3		
			Average adult body weight 55 kg				
SN	Particular	Male	1	Female (2 Animals)	Cub (up to 1.5 year)	Total (In Kg)	Remark
1	Beef with bones	2 kg		4 kg	-	6 kg	Meat quality assessment to
2	Chicken	1.5 kg		2 kg	-	3.5 kg	be carried out on daily basis
3	Supplement		Vitamin, Mineral and Amino Acid supplement (Minimum 3 times a week)				
4	Suggestions	One da	y off in	a week			

Ηv	lena	No of Animals in Enclosure 1					
Hyena		Average adult body weight 40 kg					
SN	Particular	Male	Female	Cub	Total (in kg)	Remark	
1	Beef with bones	2 kg	-	-	2 kg	Meat quality assessment to	
2	Chicken	1 kg	-	-	1 kg	be carried out	
3	Supplement		Vitamin, Mineral and Amino Acid supplement (Minimum 3 times a week)				
4	Suggestions	One day o	ff in a week			-	

50	rval Cat	No of Ani	No of Animals in Enclosure 3 Average adult body weight 8 kg					
JC		Average a						
SN	Particular	Male	Female	Cub (up to 1 year)	Total	Remark		
1	Dry Cat Food	30g	30g	30 gm	90 gm	Meat quality		
2	Wet cat Food	40g	40 g	40 gm	120 gm	assessment to be carried out on		
3	Boiled Beef	200 g	200 g	200 gm	600 gm	daily basis		
4	Boiled Chicken	400 g	400 g	200 gm	1000 gm			
5	Boiled Egg	3	3	2	8			
6	Supplement	Vitamin, Mineral and Amino Acid supplement (Minimum 3 times a week)						
7	Suggestions	Provide for	Provide food all days in week					

		23	•			
Cil	ver Fox	No of Ani	mals in Enclos	ure 2		
511	VEITUA	Average a	idult body wei	ght 7 kg		
SN	Particular	Male	Female	Cub	Total	Remark
1	Dry Food Royal Canine	40 g	40 g	-	80 gm	Meat quality assessment to be
2	Wet Food / Gravy Me-o Fish	40 g	40 g	-	80 gm	carried out on daily basis
3	Boiled Chicken	400 g	400 g	-	800 gm	
4	Boiled Egg	1	1	-	2	
5	Supplement	-	Vitamin, Mineral and Amino Acid supplement (Minimum 3 times a week)			
6	Suggestions	Provide for	od all days in w	eek		

Wild Dog		No of Animals in Enclosure 2					
		Average adult body weight 17 kg					
SN	Particular	Male	Female	Cub	Total (in Kg)	Remark	
1	Beef with bones	1 kg	1 kg	-	2 kg	Meat quality assessment to	
2	Chicken	1 kg	1 kg	-	2 kg	be carried out on daily basis	
3	Egg	1 egg	1 egg	-	2 eggs		
4	Supplement	-	Vitamin, Mineral and Amino Acid supplement (Minimum 3 times a week)				
5	Suggestions	One day of	ff in a week				

Wolf		No of Animals in Enclosure 2				
		Average adult body weight 20 kg				
SN	Particular	Male	Female	Cub	Total (in kg)	Remark
1	Beef with bones	1 kg	1 kg	200	2 kg	Meat quality assessment to
2	Chicken	1 kg	1 kg	9	2 kg	be carried out on daily basis
3	Egg	1 egg	1 egg	-	2 eggs	
4	Supplement		Vitamin, Mineral and Amino Acid supplement (Minimum 3 times a week)			
5	Suggestions	One day of	f in a week			-

Ra	ccoon Dog	No of Ani	No of Animals in Enclosure 1						
Πü		Average a	Average adult body weight 13 kg						
SN	Particular	Male	Female	Cub	Total	Remark			
1	Dry Food (Royal Canine)		50 g	-	50 gm	Meat quality assessment to			
2	Chicken		250 g	-	250 gm	be carried out on daily basis			
3	Egg		2-3 eggs	-	2-3 eggs				
4	Supplement	-	I Aineral and Amino A 3 times a week)	cid supplemen	it				

Sloth Bear		No of Animals in Enclosure 2						
••••		Average adult body	v weight 100 kg					
SN	Particular	Male (in kg)	Female (in kg)	Cub	Total (in kg)			
1	Watermelon	1.5	1.5		3			
2	Рарауа	1	1		2			
3	Apple	0.5	0.5		1			
4	Sapota (Chickoo)	1	1		2			
5	Banana	1	1		2			
6	Pineapple	1	1		2			
7	Pomegranate	0.5	0.5		1			
8	Guava (Jam)	1	1		2			
9	Honey	0.3	0.3	. 20	0.6			
10	Egg	3 eggs (150 gm)	3 eggs (150 gm)		6 eggs (300 gm)			
11	Rice	0.75-1	-1 0.75-1		1.5 -2			
12	Jaggery	0.1	0.1		0.2			
13	Bread	0.15 (4-5 piece)	0.15 (4-5 piece)		0.3 (8-10 piece)			
14	Milk	0.5	0.5		1			
15	Sweet Lime mosambi Or Oranges	0.5 As per availability	0.5 As per availability		1 As per availability			
16	Mealworm	0.05 (50 g	0.05 (50 g)		0.1 (100 g)			
17	As per availability Total feed intake	As per availability 10 – 10.25	As per availability 10 – 10.25	·	As per availability 20 – 20.50			
18	Supplements		l al and Amino Acid s nt (Minimum 3 time	••	imum 3 times a week)			
19	Suggestions	enrichment	in the morning, after be hide in the enc days in a week					
		Eaching Sal	nedule- All Days					
Marr	ing 0.00 ANA to 10.00 AN	-	-	Evoning 5:00 D	M to 6:00 PM			
	ning - 9:00 AM to 10:00 AM		0 PM to 2:00 PM	Evening 5:00 PI				
	s – 5 kg combination of 2-3 fruits)	Fruits – 5 kg	Fruits – 5 kgRest of the fruits, food, wormsJaggery – 200 gm(Rice+ Bread+Jaggery+Honey+E)					



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Sno	tted Deer	No of Animals in Enclosure 41				
Sho		Average adult body weight 45 kg				
SN	Particular	Average Requirement for 1 Animal Kg/Day	Total Requirement for Enclosure Kg/Day			
1.	Green Fodder (Hybrid Napier /maize)	6 kg	246 kg			
2.	Dry fodder / Hay	0.6 kg	24.6 kg			
3.	Antelope Feed	0.5 kg	20.5 kg			
4.	Soaked Bengal Gram (or Chick Pea)	0.3 kg	12 kg			
5.	Mineral Mixture / Salt	10 gm per day	410 gm			
6.	Suggestions	 Fruits and vegetable not recom Bamboo/ Acacia browsing by k 				
		<u> </u>				
		Feeding Schedule				
Mornin	g - 8:00 AM to 9:00 AM	Afternoon 12:00 PM to 2:00 PM	Evening 5:00 PM to 6:00 PM			
	pe feed Bengal Gram or Chick Pea I Mixture					
Green F	Fodder – Half Portion	Hay / Dry fodder	Green Fodder – Half portion			

Green Fodder – Half Portion		Hay / Dry fodder	Green Fodder – Half portion
		01010	
Sam	nbar	No of Animals in Enclosure 56	
Jun	i vai	Average adult body weight 150 kg	
SN	Particular	Average Requirement for 01 Animal Kg/Day	Total Requirement for Enclosure Kg/Day
1.	Green Fodder (Hybrid Napier /maize)	10	560
2.	Dry fodder / Hay	1	56
3.	Antelope Feed	0.7	40
4.	Alfa Alfa pellet 🥥	0.5	27 Кg
5.	Soaked Bengal Gram (or Chick Pea)	0.5	28
6.	Mineral Mixture/ Salt	20 gm per day	1120 gm
7.	Suggestions	1. Tree Fodder @ 1 kg /animal by kee	eper
		Feeding Schedule	
Mornin	g - 8:00 AM to 9:00 AM	Afternoon 12:00 PM to 2:00 PM	Evening 5:00 PM to 6:00 PM
	oe feed Bengal Gram or Chick Pea I Mixture		
Green F	odder – Half Portion	Hay / Dry fodder	Green Fodder – Half Portion

Mix	Species	No of Animals in Enclosure 38 Average adult body weight 40 kg		
	Species			
SN	Particular	Average Requirement for 01 Animal Kg/Day	Total Requirement for Enclosure Kg/Day	
1.	Green Fodder (Hybrid Napier /maize)	3.5	133	
2.	Dry fodder / Hay	0.65	25	
3.	Antelope Feed	0.5	19	
4.	Soaked Bengal Gram (or Chick Pea)	0.25	9.5	
5.	Mineral Mixture / Salt	10 gm /day	380 gm /day	
6.	Suggestions			
			N.	
		Feeding Schedule		
Mornin	g - 8:00 AM to 9:00 AM	Afternoon 12:00 PM to 2:00 PM	Evening 5:00 PM to 6:00 PM	
	pe feed Bengal Gram or Chick Pea I Mixture			
Green F	Fodder – Half Portion	Hay / Dry fodder	Green Fodder – Half Portion	
		100100		
	• _ •	No of Animals in Enclosure 80		

Black Buck		No of Animals in Enclosure 80		
		Average adult body weight 40 kg		
SN	Particular	Average Requirement for 01 Animal Kg/Day	Total Requirement for Enclosure Kg/Day	
1.	Green Fodder (Hybrid Napier /maize)	3	240	
2.	Dry fodder / Hay	0.3	24	
3.	Antelope Feed	0.4	32	
4.	Soaked Bengal Gram (or Chick Pea)	0.25	20	
5.	Mineral Mixture / Salt	5gm /day	400 gm	
6.	Suggestions	Tree Fodder @ 0.5 kg /animal by keeper		
		Feeding Schedule		
Morning - 8:00 AM to 9:00 AM		Afternoon 12:00 PM to 2:00 PM	Evening 5:00 PM to 6:00 PM	
Antelope feed				
	Bengal Gram or Chick Pea			
	l Mixture			
Green	Fodder – Half Portion	Hay / Dry fodder	Green Fodder – Half Portion	

te Black Buck	No of Animals in Enclosure 40		
	Average adult body weight 40 kg		
Particular	Average Requirement for 01 Animal Kg/Day	Total Requirement for Enclosure Kg/Day	
Green Fodder (Hybrid Napier + Maize)	3	120	
Dry fodder / Hay	0.3	12	
Antelope Feed	0.4	16	
Soaked Bengal Gram (or Chick Pea)	0.25	10	
Mineral Mixture / Salt	5gm /day	200 gm	
Suggestions	Bamboo / Acacia similar browsing by keeper once in a week Monday.		
	Feeding Schedule		
g - 8:00 AM to 9:00 AM	Afternoon 12:00 PM to 2:00 PM	Evening 5:00 PM to 6:00 PM	
e feed Bengal Gram or Chick Pea Mixture			
odder – Half Portion	Hay / Dry fodder	Green Fodder – Half Portion	
	Green Fodder (Hybrid Napier + Maize) Dry fodder / Hay Antelope Feed Soaked Bengal Gram (or Chick Pea) Mineral Mixture / Salt Suggestions g - 8:00 AM to 9:00 AM e feed Bengal Gram or Chick Pea Mixture	Ce Black BUCk Average adult body weight 40 kg Particular Average Requirement for 01 Animal Kg/Day Green Fodder 3 (Hybrid Napier + Maize) 0.3 Dry fodder / Hay 0.3 Antelope Feed 0.4 Soaked Bengal Gram (or Chick Pea) 0.25 Mineral Mixture / Salt 5gm /day Suggestions Bamboo / Acacia similar browsing by kee Feeding Schedule g - 8:00 AM to 9:00 AM Afternoon 12:00 PM to 2:00 PM e feed Bengal Gram or Chick Pea Mixture Afternoon 12:00 PM to 2:00 PM	

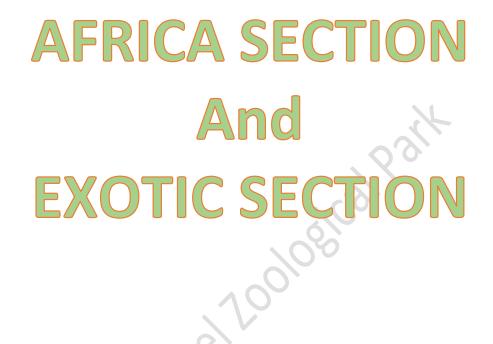
Chi	nkara	No of Animals in Enclosure 10			
		Average adult body weight 20 kg			
SN	Particular	Average Requirement for 01 Animal Kg/Day	Total Requirement for Enclosure Kg/Day		
1.	Green Fodder (Hybrid Napier + Maize)	2	20		
2.	Dry fodder / Hay Peanut Hay	0.25	2.5		
3.	Antelope Feed	0.25	2.5		
4.	Soaked Bengal Gram (or Chick Pea)	0.2	2		
5.	Mineral Mixture / Salt	3gm	30gm		
6.	Suggestions	Bamboo / Acacia similar browsing by keeper once in a week Monday.			
		Feeding Schedule			
Morning - 8:00 AM to 9:00 AM		Afternoon 12:00 PM to 2:00 PM	Evening 5:00 PM to 6:00 PM		
	pe feed Bengal Gram or Chick Pea I Mixture				
	Fodder – Half Portion	Hay / Dry fodder	Green Fodder – Half Portion		

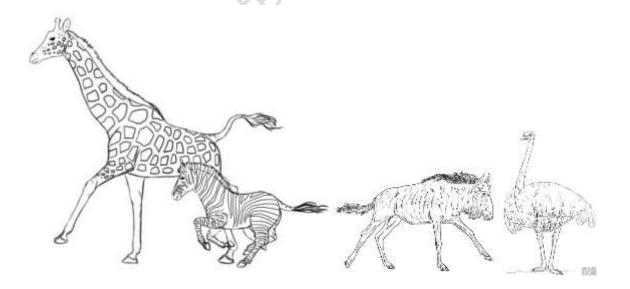
		No of Animals in Enclosure 3 Average adult body weight 250 kg		
1.	Green Fodder (Hybrid Napier)	15	45	
2.	Dry fodder / Hay	3	9	
3.	Antelope Feed	1.5	4.5	
4.	Alfa Alfa Pellet	1	3	
5.	Soaked Bengal Gram (or Chick Pea)	1	3	
6.	Mineral Mixture / Salt (Horse Mass)	50	150	
7.	Suggestions	Salt Lick / Salt Block to be provided	N 1	
			s t	
		Feeding Schedule		
Morni	ng - 8:00 AM to 11:00 AM	Afternoon 12:00 PM to 2:00 PM	Evening 5:00 PM to 6:00 PM	
Alfa Alfa Pellet –3 kgSoaked Bengal Gram/Chick Pea 3 kgMineral Mixture150 gm			Antelope feed 4.5kg	
Green Fodder – Half Portion		Hay/ Dry Fodder	Green Fodder – Half Portion	
		100		

Rhino		No of Animals in Enclosure 2			
		Average adult body weight 2000 kg			
SN	Particular	Average Requirement for 01 Anima Kg/Day	al Total Requirement for Enclosure Kg/Day		
1.	Green Fodder (Hybrid Napier/Maize)	150+110 (M: F)	260		
2.	Sugarcane	10	20		
3.	Dry fodder / Hay	3 (Gradually may increase up to 5-6 k	(g) 6		
4.	Antelope Feed 3		6		
5.	Alfa Alfa Pellet	2	4		
6.	Soaked Bengal Gram (or Chick Pea)	•			
7.	Carrot	2	4		
8.	Banana	1.5	3		
9.	Cucumber	1	2		
10	Coriander	250 gm	500 gm		
11	Mineral Mixture / Salt	200	400		
12	Suggestions	Apple 2 kg /animal on Monday			
		Feeding Schedule			
Morni	ng - 8:00 AM to 11:00 AM	Afternoon 12:00 PM to 2:00 PM	Evening 5:00 PM to 6:00 PM		
Soaked	d Bengal Gram or Chick Pea	Alfa Alfa Pellet	Antelope Feed: 6 kg		
Minera	al Mixture	Vegetables and fruits	Vegetables and fruits		
Sugarc	ane 10 kg		Sugarcane 10 kg		
Green	Fodder – Half Portion	Hay / Dry fodder	Green Fodder – Half Portion		

Bis	son	No of Animals in Enclosure 2		
		Average adult body weight 800 kg		
SN	Particular Average Requirement for 01 Animal Kg/Day		Total Requirement for Enclosure Kg/Day	
1	Green Fodder (Hybrid Napier + Maize)	50	100	
2	Dry fodder / Hay	5	10	
3	Antelope Feed	2.5	5	
4	Alfa Alfa Pellet	2.5	5	
5	Soaked Bengal Gram (or Chick Pea)	1	2	
6	Wheat Bran	0.5 kg	1	
7	Mineral Mixture / Salt	100 gm	200 gm	
8	Carrot	1	2	
9	Cucumber	1	2	
10	Tomato	1	2	
11	Suggestions	Tree Fodder @ 5 kg per day by keepe	er	
		Feeding Schedule		
Morr	ning - 8:00 AM to 9:00 AM	Afternoon 12:00 PM to 2:00 PM	Evening 5:00 PM to 6:00 PM	
Soaked Bengal Gram2 kgWheat Bran1 kgAlfa Alfa Pellet Feed5 kgMineral Mixture200 gm		Vegetables and fruits: Treats or while handling animals	Antelope Feed: 6 kg Vegetables and fruits: Treats or while handling animals	
Gree	n Fodder – Half Portion	Hay / Dry fodder	Green Fodder – Half Portion	

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Hippopotamus		No of Animals in Enclosure 1			
	opotamas	Average adult body weight 1700 kg			
		Average Requirement for 01 Animal Kg/Day	Total Requirement for Enclosur Kg/Day		
1.	Green Fodder	100	100		
2.	Hay/ Dry fodder	5	5		
3.	Antelope Feed	6	6		
4.	Soaked Bengal Gram (or Chick Pea)	2	2		
5.	Mineral Mixture / Salt	200 gm	200 gm		
6.	Carrot	1	1		
7.	Cucumber	1	1		
8.	Tomato	1	1		
9.	Watermelon	2	2		
10.	Banana	2	2		
11.	Pumkin	2	2		
12.	Suggestions	1. To offer major feed portion in the evening and night hours			
		Feeding Schedule			
Morning	g - 8:00 AM to 9:00 AM	Afternoon 12:00 PM to 2:00 PM	Evening 5:00 PM to 6:00 PM		
Soaked Bengal Gram or Chick Pea 1 kg Antelope Feed 2 kg		Antelope Feed 2 kg	Soaked Bengal Gram1 kgAntelope Feed2 kg		
Mineral Mixture 200 gm		Vegetables and fruits: Treats or while handling animals	Vegetables and fruits: Treats or while handling animals		
Green Fodder – 40 kg		Hay / Dry fodder: 5 kg	Green Fodder 60 k		

Giraffe		No of Animals in Enclosure 1			
Una		Average adult body weight 1400 kg			
SN Particular		Average Requirement for 01 Animal Kg/Day	Total Requirement for Enclosure Kg/Day		
1.	Green Fodder	45	45		
	(Hybrid Napier + Maize)	-			
2.	Alfa Alfa Pellet	2	2 kg		
3.	Antelope Feed	5	5 kg		
4.	Soaked Bengal Gram (or Chick Pea)	1	1 kg		
5.	Mineral Mixture/ Salt	100 gm	100 gm		
6.	Carrot	2	2 kg		
7.	Cucumber	2	2 kg		
8.	Apple	1	1 kg		
9.	Banana	2	2 kg		
10.	Onion	1	1 kg		
11.	Cabbage	1	1 kg		
12.	Supplements	0			
13.	Suggestions	Tree browsing - Acacia and bamboo Browsing by keeper Wheat bran and sweet potato addition			
	I	×C			
		Feeding Schedule			
Morning - 8:00 AM to 9:00 AM		Afternoon 12:00 PM to 2:00 PM	Evening 5:00 PM to 6:00 PM		
Soaked Bengal Gram or Chick Pea 1 kg		Antelope Feed 3 kg	Alfa Alfa Pellet 2 kg		
Antelop	-				
Mineral Mixture 200 gm		n Chopped Vegetables and fruits (Half Portion)	Chopped Vegetables and fruits (Half Portion)		
Green Fodder – 15 kg		Green Fodder – 15 kg	Green Fodder – 15 kg		

Zebra		No of Animals in Enclo	osure 1			
		Average adult body weight 300 kg				
SN	Particular		icular Average Requirement for 01 Animal Kg/Day		Total Requirement for Enclosu Kg/Day	
1.	Green Fodder (Hybrid Napie	r + maize)	15		15	
2.	Dry fodder / H	lay	3		3	
3.	Antelope Feed	ł	2		2	
4.	Alfa Alfa Pelle	t	3		3	
5.	5. Soaked Bengal Gram (or Chick Pea)		1	1		
6.			50 gm (Horse Mass)		50 gm (Horse Mass)	
7.	Carrot		1		1	
8.	Cucumber		1		1	
9.	Suggestions		To feed smaller quantit	y in multiple	times a day	
	I		Feeding Sche	dule		
Morni	ng - 8:00 AM to	9:00 AM	Afternoon 12:00 PM to	2:00 PM	Evening 5:00 PM to 6:00	PM
Antelope feed 2 kg		Chopped Carrot and Cu	cumber	Alfa Alfa Pellet food	3 kg	
	d Bengal Gram	1 4 -	Here / Due Fedder	2 1.4		
or Chio		1 kg	Hay / Dry Fodder	3 kg		
Mineral Mixture50 gmGreen Fodder5 kg		50 gm 5 kg	Green Fodder	5 kg	Green Fodder	5 kg

\ \/;[dahaast	No of Animals in Enclosure 5		
Wildebeest		Average adult body weight 200 kg		
SN	Particular	Average Requirement for 01 Animal Kg/Day	Total Requirement for Enclosure Kg/Day	
1	Green Fodder (Hybrid Napier + Maize)	10	50	
2	Dry fodder / Hay	2	10	
3	Antelope Feed	1.5	7.5	
4	Alfa Alfa Pellet 🌙	1.5	7.5	
5	Soaked Bengal Gram (or Chick Pea)	0.5	2.5	
6	Mineral Mixture / Salt	30 gm	150 gm	
7	Carrot	0.5	2.5	
8	Cucumber	0.5	2.5	
9	Sweet Potato (as per Seasonal availability)	0.5	2.5	
10	Suggestions			

Feeding Schedule					
Morning - 8:00 AM to 9:00 AM Afternoon 12:00 PM to 2:00 PM Evening 5:00 PM to 6:00 PM					
Antelope feed 7.5 kg Chopped Carrot and Cucumber		Alfa Alfa Pellet Food 7.5 kg			
Soaked Bengal Gram	2.5 kg	Sweet Potato- as per av	ailability		
Mineral Mixture 150 gm					
Green Fodder –	25 kg	Dry Fodder / Hay -	10 kg	Green Fodder	25 kg

Ge	msbok O	rvx	No of Animals in			
			Average adult body weight 200 kg			
SN	Particular		Average Requirer	nent for 01 Anin	nal Total Require	ement for Enclosure
			Kg/Day		Kg/Day	
1	Green Fodder		10		20	
2	Dry fodder / Ha	y	2		4	
3	Antelope Feed		1.5		3	
4	Alfa Alfa Pellet		1.5		3	
5	Soaked Bengal	Gram or	0.5		1	
	Chick Pea					
6	Mineral Mixtur	e / Salt	30 gm		60 gm	
7	Carrot		0.5		1	
8	Cucumber		0.5		1	
9	Sweet Potato (S	Seasonal)	0.5		1	
10	Suggestions					
			Feedir	ng Schedule		
Morn	ing - 8:00 AM to 9):00 AM	Afternoon 12:00 P	M to 2:00 PM	Evening 5:00 PM	to 6:00 PM
Antel	ope feed	3 kg			Alfa Alfa Pellet Food 3 kg	
Soaked Bengal Gram 1 kg		Sweet Potato (Seasonal)				
Miner	al Mixture	60 gm				
Greer	n Fodder –	10 kg	Peanut Hay -	4 kg	Green Fodder	10 kg

٥c	trich	No of Animals in Enclosure 3	<u>,</u>	
03		Average adult body weight 100 kg		
SN	Particular	Average Requirement for 01 Animal Kg/Day	Total Requirement for Enclosure Kg/Day	
1	Green Fodder	2	6	
2	Hay / Dry Fodder	0.5 kg	1.5 kg	
3	Hay – Alfa Alfa hay	0.5 kg	1.5 kg	
4	Ostrich feed	1 kg	3 kg	
5	Coriander	50 gm	150 gm	
6	Spinach	50 gm	150 gm	
7	Cabbage	100 gm	300 gm	
8	Carrot	100 gm	300 gm	
9	Cucumber	100 gm	300 gm	
10	Beet Root	100 gm	300 gm	
11	Sprout	200 gm	600 gm	
12	Boiled Egg	2 eggs (100 gm)	6 eggs (300 gm)	
13	Supplements	Calcium Supplement / Shell Grit twice	•	
		Vitamin, Mineral and Amino Acid sup		
14	Suggestions	Orange – Once a week as a treat 2 kg		
		Feeding Schedule		
Mor	ning - 8:00 AM to 9:00 AM	Afternoon 12:00 PM to 2:00 PM	Evening 5:00 PM to 6:00 PM	
	Food - Coriander, Spinach,			
	age, Carrot, Cucumber,	Ostrich Feed - 3 kg		
	Root, Sprout, Boiled Egg			
Alfa	Alfa Hay 1.5 kg	Green Fodder- 6 kg	Peanut Hay 1.5 kg	

าน	No of Animals in Enclosure 12		
	Average adult body weight 30-35kg		
Particular Average Requirement for 01 Animal Kg/Day		Total Requirement for Enclosure Kg/Day	
Hay- Peanut Hay	0.25 kg	1.5 kg	
Hay – Alfa Alfa hay	0.25 kg	1.5 kg	
Ostrich feed	0.5 kg	6 kg	
Coriander	50 gm	0.6 kg	
Spinach	50 gm	0.6 kg	
Cabbage	50 gm	0.6 kg	
Carrot	50 gm	0.6 kg	
Cucumber	50 gm	0.6 kg	
Beet Root	50 gm	0.6 kg	
Sprout or Channa or Soaked Bengal Gram	100 gm	1.2 kg	
Boiled Egg	½ egg	6 eggs	
Supplements			
Suggestions	1. Grass collection from surrounding by keeper- Daily 10 kg		
I			
	Feeding Schedule		
ning - 8:00 AM to 9:00 AM	Afternoon 12:00 PM to 2:00 PM	Evening 5:00 PM to 6:00 PM	
	Hay- Peanut Hay Hay – Alfa Alfa hay Ostrich feed Coriander Spinach Cabbage Carrot Cucumber Beet Root Sprout or Channa or Soaked Bengal Gram Boiled Egg Supplements Suggestions	IUAverage adult body weight 30-35kgParticularAverage Requirement for 01 Animal Kg/DayHay- Peanut Hay0.25 kgHay – Alfa Alfa hay0.25 kgOstrich feed0.5 kgCoriander50 gmSpinach50 gmCabbage50 gmCarrot50 gmCucumber50 gmBeet Root50 gmSprout or Channa or Soaked Bengal Gram100 gmBoiled Egg½ eggSupplementsCalcium Supplement / Shell Grit twice Vitamin, Mineral and Amino Acid supplSugestions1. Grass collection from surround	

worning - 8:00 Aivi to 9:00 Aivi	Alternoon 12:00 Pi	VI LO 2:00 PIVI	Evening 5:00 Pivi to 6:00	PIVI
Soft Food				
Coriander, Spinach, Cabbage,				
Carrot, Cucumber, Beet Root,	Ostrich Feed -	6 kg	Grass feeding by keeper	5 kg
Sprout, Boiled Egg	Alfa Alfa Hay	1.5 kg	Peanut Hay	1.5 kg
Sar				

Llama		No of Animals in Enclosure 3					
		Average adult body weight 150 kg					
SN	Particular		Average Requirem Kg/Day	ent for 01 Anim	al Total Requirer Kg/Day	nent for Enclosure	
1	Green Fodder		7		21		
2	Dry fodder- Peanut	Нау	1.5 kg		4.5 kg		
3	Dry Fodder- Alfa Alf	fa Hay	1 kg		3 kg		
4	Antelope Feed		1.5		4.5		
5	Mineral Mix (Agrimin	n Fort)	20 gm		60 gm	60 gm	
6	Cucumber		0.5 kg		1.5 kg		
7	Apple		0.5 kg		1.5 kg		
8	Carrot		0.5 kg		1.5 kg		
9	Suggestions		Tree fodder/ Grass	feeding to be d	one by keeper daily (1	.0-12 kg)	
			Feeding	Schedule			
Mor	ning - 8:00 AM to 9:00	AM	Afternoon 12:00 P	M to 2:00 PM	Evening 5:00 PM to	Evening 5:00 PM to 6:00 PM	
		.5 kg	Chopped Fruits and	l Vegetables			
		0 gm			Alfa Alfa hay	3 kg	
Gree	en Fodder –	10 kg	Peanut Hay -	4.5 kg	Green Fodder	11 kg	

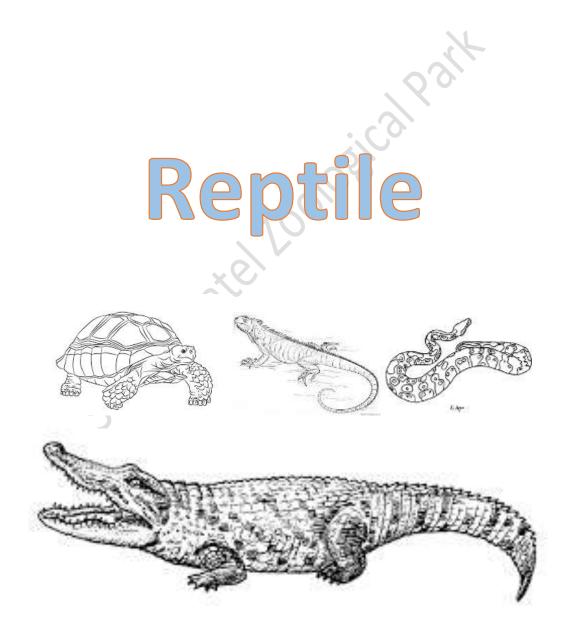
ΛL	0000	No of Animals in Er	nclosure 3	No of Animals in Enclosure 3		
AI	paca	Average adult body	Average adult body weight 65 kg			
SN	Particular	Average Requirement	nt for 01 Anim	al Total Requirem Kg/Day	ent for Enclosure	
1	Green Fodder	500		15 kg		
2	Dry fodder-Peanut Hay	0.5 kg		1.5 kg		
3	Dry Fodder- Alfa Alfa Hay	0.5 kg		1.5 kg		
4	Antelope Feed	0.7 kg		2.1 kg	2.1 kg	
5	Mineral Mix (Agrimin Fort)	15 gm		45 gm		
6	Cucumber	0.4 kg		1.2 kg		
7	Apple	0.4 kg		1.2 kg		
8	Carrot	0.4 kg		1.2 kg		
9	Suggestions	Tree fodder/ Grass fe	Tree fodder/ Grass feeding to be done by keeper daily (5-7 kg)			
		Feeding Sc	hedule			
Mor	ning - 8:00 AM to 9:00 AM	Afternoon 12:00 PM t	o 2:00 PM	Evening 5:00 PM to	6:00 PM	
	lope feed 2.1 kg	Chopped Fruits and Ve	getables			
Mine	ral Mixture 45 gm			Alfa Alfa hay	1.5 kg	
Gree	n Fodder – 10 kg	Peanut Hay -	1.5 kg	Green Fodder	5 kg	

۱۸/-	allaby	No of Animals in Enclosure 2		
Wallaby		Average adult body weight 13 kg		
SN	Particular	Average Requirement for 01 Adult Animal Kg/Day	Total Requirement for Enclosure Kg/Day	
1	Green Fodder	1	2	
2	Alfa Alfa Hay	1	2	
3	Crispy Museli	100 gm	200 gm	
4	Alfa Alfa Pellet	100 gm	200 gm	
5	Carrot	100 gm (1 Unit)	200 gm	
6	Cucumber	100 gm (1 Unit)	200 gm	
7	Apple	100 gm (1 Unit)	200 gm	
8	Supplement	Selenium and Vitamin E (Powder E-Care-Se Vitamin, Mineral and Amino Acid suppleme		
9	Suggestions	Bamboo or grass by keeper 500 gm (2-3 sticks) per day		
		•	00	
		Feeding Schedule		
Morr	ning - 8:00 AM to 9:00 AM	Afternoon 12:00 PM to 2:00 PM	Evening 5:00 PM to 6:00 PM	
•	y Musali 200 gm lement		Chopped Fruits and vegetables (Half Portion)	
Gree	n Fodder 2 kg	Alfa Alfa Pellet 200 gm	Alfa Alfa Hay 2 kg	

N Л .		No of Animals in Enclosure 1		
IVI	ara	Average adult body weight 9 kg		
SN	Particular	Average Requirement for 01 Anim		
		Kg/Day	Kg/Day	
1	Green Fodder		1	
2	Alfa Alfa Hay	1	1	
3	Peanut Hay	10	1	
4	Crispy Museli	100 gm	100 gm	
5	Alfa Alfa Pellet	100 gm	100 gm	
6	Carrot	100 gm (1 Unit)	100 gm	
7	Cucumber	100 gm (1 Unit)	100 gm	
8	Coriander	50 gm	50 gm	
9	Supplement		E-Care-Se) (Minimum 4 times a week)	
		Vitamin, Mineral and Amino Acid supplement (Minimum 3 times a week)		
10	Suggestions	Bamboo or grass by keeper 500 gm (2-3 sticks) per day		
		Feeding Schedule		
Mor	ning - 8:00 AM to 9:00 AM	Afternoon 12:00 PM to 2:00 PM	Evening Ex00 DM to 6x00 DM	
	0		Evening 5:00 PM to 6:00 PM	
	y Musali 100 gm	Chopped Fruits and vegetables	Chopped Fruits and vegetables	
Supp	lements	(Half Portion)	(Half Portion)	
		Alfa Alfa Pellet 100 gm		
Gree	n Fodder 1 kg	Peanut Hay 1 kg	Alfa Alfa Hay 1 kg	

Coa	ati	No of Animals in Enclosure 6			
		Average adult body weight 5 kg			
SN	Particular	Avg Requirement for 01 Adult Anima		Total Requirement for enclosure	
1	Dry Cat or Dog Food	30 gm		180 gm	
2	Fruit Mix Apple, Watermelon, Muskmelon, Banana, Guava, Sapota etc.	300 gm		1.8 kg	
	Grapes (Seasonal) Mango (Seasonal)				
3	Vegetable Mix Carrot Cucumber Corn Sprout- Moong + Chana	100 gm		600 gm	
4	Boiled Chicken Soup	350 gm		2.1 kg	
5	Boiled Egg	½ egg		3 eggs	
6	Supplement	Vitamin, Mineral and Amino Acid sup	olemei	nt (Minimum 3 times a week)	
	1	Feeding Schedule			
Morni	ng - 8:00 AM to 9:00 AM	Afternoon 12:00 PM to 2:00 PM	E	vening 5:00 PM to 6:00 PM	
Dry Cat or Dog Food Boiled eggs + Supplement		Fruit Mix Vegetables Mix	В	oiled Chicken Soup	
		No of Animala in Factoring 2			

\mathbf{C}	puchin Monkey	No of Animals in	No of Animals in Enclosure 2			
La		Average adult b	ody weight 10 kg			
SN	Particular	Avg Requiremen	t for 01 Adult Animal	Total Requirement for Enclosure		
1	Fruit Mix Apple, Watermelon Muskmelon, Banana Guava, orange, sweet lime, pomegranate etc Grapes (Seasonal) Mango (Seasonal)			1 kg		
2	Vegetable Mix Boiled peas, Sweet Potato, Carrot, Corn Boiled Moong + Chan	400 gm		800 gm		
3	Boiled Chicken	50 gm		100 gm		
4	Boiled Egg	1 egg		2 eggs		
5	Insects	As treat 8-10 per	As treat 8-10 per animal			
6	Boiled Rice+ Curd+ Ho	ney : 100 gm per anim	/ : 100 gm per animal alternate day			
7	Nestum : 20 gm + 80 n	nl water = 100 gm alte	ernate days			
8	Supplement	Vitamin, Mineral	and Amino Acid supplement	(Minimum 3 times a week)		
		Fee	ding Schedule			
Morn	ing - 6:00 am	Morning – 10 am	Afternoon	Evening 4 to 5 pm		
	Nestum + Supplement d Vegetables	Fruit Mix	Boiled Rice + Curd + Honey	Nestum + Insects (as treat)		



Sardar Pater 1001066 Cal Park

Maria	h Crocodilo	No. of animals in the enclosure: 16 (Adult & Sub adult mix) Average body weight: 90 kg		
wars	h Crocodile			
Sr. No.	Particular	Average requirement for 1 animal kg/per week	Total Requirement for Enclosure kg/per week	
1	Beef	1.5kg	24 kg	
2	Fish	1.5kg	24 kg	
3	Supplement	Vitamin, Mineral and Amino Acid supplem	ent (Once a week)	
Note: B	Note: Beef & Fish should be given alternately every week.			
Feeding	Schedule	Every Monday Morning		

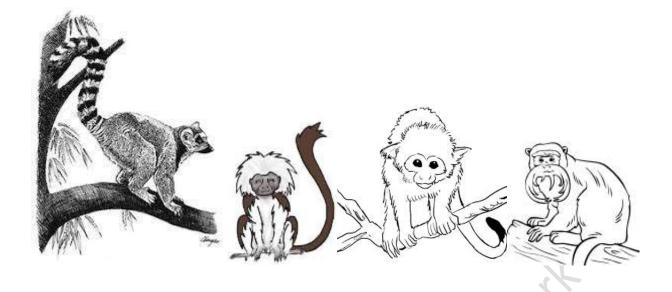
Chari		No. of animas in the enclosure: 5 (Sub adults)		
Gharial Crocodile		Average body weight: 20 kg		
Sr. No.	Particular	Average requirement for 1 animal kg/per weekTotal Requirement for Enclosure kg/per week		
1	Fish	1.4 kg 7 kg		
2	Supplement	Vitamin, Mineral and Amino Acid supplement (Once a week)		
Note: Fish should be given twice a week.				
Feeding Schedule 3.5 kg Fish every Monday & Friday morning			ing	

	than	No. of animals in the enclosure: 1					
Ball Python		Average body weight: 550 gm					
Sr. No.	Particular	Average requirement for 1 animal per week	Total Requirement for Enclosure per week				
1	Mice/Rat 15-20g		15-20g				
2	Poultry Chicks	15-20g	15-20g				
3	Supplement	Vitamin, Mineral and Amino Acid suppleme	ent (Once a week)				
Note: Fe	Note: Feeding should be done under supervision and should be documented on regular basis						
Feeding	Schedule	Every Wednesday					

Jaun	22		No. of animals in the enclosure: 7				
Iguana			Average body weight: 1.5 kg				
Sr. No.	Particular		Average requirement for 1	Total Requirement for Enclosure			
5r. NO.	Particular		animal grams/per day	grams/per day			
1	Spinach		100g	700g			
2	Coriander		100g	700g			
3	Pumpkin		200g	1400g			
4	Hibiscus flower		50g	350g			
5	Moringa leaves		50g	350g			
6	Supplement		Vitamin, Mineral and Amino Acid supplement (twice a week)				
Note: Sp	Note: Spinach and coriander shou		Id be fine chopped and mixed with grated pumpkin				
Fooding			Morning: Hibiscus flower and Moringa leaves				
reeding			Afternoon: Feed Mix of Spinach, coriander and pumpkin				

Sulcat	a Tortoise	No. of animals in the enclosure: 2	N 1			
Juical	a Turtuise	Average body weight: 6 kg	s t			
Sr. No.	Particular	Average requirement for 1 animal grams/per day	Total Requirement for Enclosure grams/per day			
1	Spinach	200g	400g			
2	Coriander	200g	400g			
3	Banana	100g	200g			
4	Hibiscus leaves	100g	200g			
5	Moringa leaves	100g	200g			
6	Рарауа	100g	200g			
7	Supplement	Vitamin, Mineral and Amino Acid su	pplement (twice a week)			
Note: Spina	ch and coriander sho	uld be fine chopped and mixed with g	rated papaya and banana			
Fooding Col	adula	Morning: Hibiscus leaves and moringa leaves				
Feeding Sch	leuule	Afternoon: Feed Mix of spinach, coriander, banana & papaya				
	>	Afternoon: Feed Mix of spinach, cor	iander, banana & papaya			

Star	Tortoico	No. of animals in the enclosure: 3				
Star Tortoise		Average body weight: 1.1 kg				
Sr. No.	Particular	Average requirement for 1 animal g/per day	Total Requirement for Enclosure g/per day			
1	Spinach	30g	90g			
2	Coriander	20g	60g			
3	Banana	10g	30g			
4	Hibiscus leaves	30g	90g			
5	Moringa leaves	30g	90g			
6	Рарауа	20g	60g			
7	Carrot	20g	60g			
8	Supplement	Vitamin, Mineral and Amino Acid sup	pplement (twice a week)			
Note: Sp	pinach and coriander shou	ld be fine chopped and mixed with gra	ated papaya, carrot & banana			
Fooding	Schodulo	Morning: Hibiscus leaves and moringa leaves				
reeding	Schedule	Afternoon: Feed mix of papaya, carro	ot & banana			



Primate Section And Aviaries



Sardar Patel 20010661cal Park

	Feed / Food require	ment and distribut	ion plan for India	n Aviary
SN	Particulars	Morning Feed	Mid-Day Feed	Evening Feed
1	Jowar	0.25	-	-
2	Bajara (Pearl Millet)	0.25	-	-
3	Moong	1	-	-
4	Wheat	1	-	-
5	Horse Gram (Channa)	0.5	-	-
6	Sun Flower Seeds	0.5	-	-
7	Carrot	2.5	-	-
8	Beet Root	2.5	-	-
9	Cucumber	1.5	-	-
10	Corn Cobbs	3.2	-	-
11	Coriander	2.5	-	-
12	Spinach	1	- 2	-
13	Walnut	0.05		-
14	Cashew	0.1	0.0	-
15	Almond	0.1	-	-
16	Musk Melon	-	01	-
17	Water Melon	-	3	-
18	Рарауа	-	2	-
19	Pomegranate	-	2	-
20	Guava	- 20	2	-
21	Apple		3	-
22	Orange	- /	0.5	-
23	Mosambi	<u>x (C)</u>	0.5	-
24	Banana		1	-
25	Sapota (chikoo)		2	-
26	Eggs	-	26	-
27	Fish	-	35	-
28	Seed Mix	-	-	1
29	Fox tail Millet	-	-	1
30	Poultry Starter	2	-	
Tota	al Feed Consumption	18.95	78	2

Supplemen	nt						
Day	Mon	Tue	Wed	Thus	Friday	Sat	Sunday
Liver Supp	lements				•		
Broton	50 ml in food		50 ml		50 ml		
Liv 52							
Livoster							
Calcium / I	Multimineral / Mult	ivitamins			·	•	
Ostopet		50 ml		50 ml	50 ml		
Viemerol		20 ml		20 ml	20 ml		
Calcilux							100 gm

				F
SN	Particulars	Morning	Mid-Day	Evening Feed
1	Jowar	0.25	-	-
2	Bajara (Pearl Millet)	0.25	-	-
3	Moong	1	-	-
4	Wheat	1	-	-
5	Soaked Bengal Gram (Channa)	0.5	-	-
6	Sun Flower Seeds	0.5	-	-
7	Carrot	1.4	-	-
8	Beet Root	1.4	-	-
9	Cucumber	1.4	-	-
10	Corn Cobbs	1.5	-	-
11	Coriander	2.5	- 1	-
12	Spinach	1	- (7	-
13	Walnut	0.05	00	-
14	Cashew	0.1	<u> </u>	-
15	Almond	0.1		-
16	Musk Melon	-		-
17	Water Melon	-	2	-
18	Рарауа	- \(C	1	-
19	Pomegranate	0`	1	-
20	Guava	40	1.5	-
21	Apple		2	-
22	Orange	- (2)-	0.5	-
23	Sweet Lime (Mosambi)	-	0.5	-
24	Banana	<u>}</u>	1	-
26	Bread	0.2		-
27	Eggs		7	-
28	Chicken	0.2	-	-
29	Seed Mix	-	-	2
30	Fox tail Millet	-	-	1
31	Poultry Starter	-	-	1
32	Palmnut		-	-
	Feed Consumption			

Supplement							
Day	Mon	Tue	Wed	Thus	Friday	Sat	Sunday
Liver Supple	ments						
Broton	50 ml in food		50 ml		50 ml		
Liv 52							
Livoster							
Calcium / M	ultimineral / Mult	ivitamins					
Ostopet		50 ml		50 ml	50 ml		
Vimeral		20 ml		20 ml	20 ml		

SN	Particulars	Morning Feed	Mid-Day Feed	Evening Feed
1	Moong	0.1	-	-
2	Soaked Bengal Gram (Channa)	0.1	-	-
3	Carrot	0.1	-	-
4	Beet Root	0.1	-	-
5	Cucumber	0.1	-	-
6	Corn Cobbs	0.3	-	-
7	Coriander	-	-	-
8	Spinach	-	-	-
9	Walnut	-	-	0.01
10	Cashew	-	-	0.01
11	Almond	-	-	0.01
12	Musk Melon	-	1	-
13	Water Melon	-	1	-
14	Рарауа	-	0.25	-
15	Pomegranate	-	0.25	-
16	Guava	-	0.25	-
17	Apple	-	0.25	-
18	Mosambi		0.2	-
19	Banana	-0-	0.2	-
20	Sapota (chikoo)	<u> </u>	0.5	-
21	Bread	10-	7	-
22	Eggs	V -	6	-
23	Chicken	0.5	-	-
24	Nestum	0.2	-	0.2
25	Gum	0.1	-	-
Tota	Feed Consumption			

Total: Total Number of Monkeys – Cotton Top Tamarin – 5 – 400 grams | Red Hand Tamarin – 3 – 400 grams | Squirrel Monkey – 900 grams | Marmoset – 1 – 300 grams | Ring Tailed Lemur – 1 -2.2 Kg | Tufted Capuchin – 4 – 4kg

Day	Mon	Tue	Wed	Thus	Friday	Sat	Sunday
Liver Supple	ments	•	·	·	·		
Broton	50 ml in food		50 ml		50 ml		
Liv 52							
Livoster							
Calcium / M	ultimineral / Multiv	itamins					
Ostopet		50 ml		50 ml	50 ml		
Viemerol		20 ml		20 ml	20 ml		
Calcilux							
Zinc & Vitan	nin D						
Z&D	10 ml			10 ml			10 ml

SN	Particulars		n Aviary I istributio			otic Aviary I Distributio			ates Feed ibution	d	Tetel
		Mor ning Feed	Mid- Day Feed	Even ing Feed	Mor ning Feed	Mid- Day Feed	Even ing Feed	Morni ng Feed	Mid- Day Feed	Even ing Feed	Total in kg
1	Jowar	0.25	-	-	0.25	-	-		-	-	0.5
2	Bajara	0.25	-	-	0.25	-	-		-	-	0.5
3	Moong	1	-	-	1	-	-	0.1	-	-	2.1
4	Wheat	1	-	-	1	-	-		-	-	2
5	Bengal Gram	0.5	-	-	0.5	-	-	0.1	-	-	1.1
6	Sun Flower Seeds	0.5	-	-	0.5	-	-		-	-	1
7	Carrot	2.5	-	-	1.4	-	-	0.1	-	-	4
8	Beet Root	2.5	-	-	1.4	-	-	0.1	-	-	4
9	Cucumber	1.5	-	-	1.4	-	-	0.1	-	-	3
10	Corn Cobbs	3.2	-	-	1.5	-	-	0.3	-	-	5
11	Coriander	2.5	-	-	2.5	-	-	-	-	-	5
12	Spinach	1	-	-	1	-	-7	-	-	-	2
13	Walnut	0.05	-	-	0.05	-	5	-	-	0.01	0.11
14	Cashew	0.1	-	-	0.1	- 0	-	-	-	0.01	0.21
15	Almond	0.1	-	-	0.1	101	-	-	-	0.01	0.21
16	Musk Melon	-	1	-	-	1	-	-	1	-	3
17	Water Melon	-	3	-	$\langle \langle C \rangle$	2	-	-	1	-	6
18	Рарауа	-	2	-	<u> </u>	1	-	-	0.25	-	3.25
19	Pomegranat e	-	2	X	<u> </u>	1	-	-	0.25	-	3.25
20	Guava	-	2	50	-	1.5	-	-	0.25	-	3.75
21	Apple	-	3	-	-	2	-	-	0.25	-	5.25
22	Orange	-	0.5	-	-	0.5	-	-		-	1
23	Mosambi	-	0.5	-	-	0.5	-	-	0.2	-	1.2
24	Banana		1	-	-	1	-	-	0.2	-	2.2
25	Sapota (chikoo)	50	2	-	-		-	-	0.5	-	2.5
26	Bread	-	0.2	-	-	0.2	-	-	7	-	7
27	Eggs	-	26	-	-	7	-	-	6	-	2
28	Fish	-	35	-	-	-		-	-	-	35
29	Seed Mix	-	-	1	-	-	2	-	-	-	3
30	Fox tail Millet	-	-	1	-	-	1	-	-	-	2
31	Poultry Starter	2	-		1	-	-	-	-	-	0
32	Nestum		-			-	-	0.2	-	0.2	0.4
33	Gum		-			-	-	0.1	-	-	0.1
34	Chicken	0.25	-		0.25	-	-	0.5	-	-	1
Total Consu	Feed mption										116.3



Animal Health Management Practices

At Sardar Patel Zoological Park, Ekta Nagar



Introduction:

The veterinary practises at the Zoo are vast, variable, and highly species-specific. These practises have evolved over time to meet the needs of each species. Sardar Patel Zoological Park follows animal health management practises with modern infrastructure and experienced human resources. SPZP has an up-to-date veterinary hospital with equipment and instruments that are routinely used in practices. There are 90 species of Indian and exotic wildlife. The veterinary practises focused on disease prevention and animal wellbeing. It includes various aspects of nutritional, behavioural, preventive, and reproductive health.

Veterinary practises are broadly classified as follows:

- 1. Preventive
- 2. Diagnostic
- 3. Therapeutic

Preventive veterinary practices include: -

1. Routine Health Check: All animals' health checks are carried out from a distance. To learn about the health of the animals, dialogue and proper communication with keepers are maintained. Weight loss or weight gain, skin condition, gait, etc. are being regularly observed, and if required, interventions are being undertaken.

All animals in the collection are observed daily by trained and dedicated staff. All keepers are trained to recognise abnormal behaviour and clinical signs of illness. Diseased, injured, or stressed animals are reported promptly by keepers, and then a team of veterinarians and paraveterinary professionals work on the diagnostic and treatment parts of the cases.

e.g., chronic weight loss in CKD in felines and canine and osteoarthritis in old animals



Pic: Dermatological Examination of a Raccoon Dog



Pic: Dental and oral cavity Examination of an Alpaca



Pic: Observation of black buck from a distance. Change is behaviour due to injury can be observed

Deworming: All individuals are dewormed at a regular interval with a combination of drugs. Deworming reduces the transmission of worm or infection in the zoo animals as well as in the humans, thus it prevents Zoonosis in the animal health care community. It substantially improves health and immunity.

S.N.	Species	Drug used	Frequency	Remarks	
1	Carnivores	Praziquantel, Febantel Pyrantel Pamoate Ivermectin, Albendazole	Quarterly	Drugs are used alone or in combination of as per requirements and species- specific standard guidelines	
2	Herbivores	Albendazole, Fenbendazole, Ivermectin	Quarterly		
3	Birds	Praziquantel, Fenbendazole Amprolium	Quarterly	Baracines	
4	Primates	Albendazole, Fenbedazole	Quarterly		
5	Reptiles	Fenbedazole	Annually or in case of positive faecal sample		

Commonly used molecules for deworming at Sardar Patel Zoological Park are as follows:



Pic: Weighing of bird before deworming





Pic: Deworming of bird using Crop Tube



Pic: Water based deworming of birds in the aviary



Pic: Deworming of RHT using syringe



Vaccination: There are many viral and bacterial diseases that affect wild animals and birds. Some of the diseases have zoonotic importance. Vaccinations play a crucial role in disease prevention, transmission, and infection. The vaccination of all possible individual animals is done as per standard protocol.

Sr. No.	Species	Disease vaccinated for	Vaccine Used	Periodicity
1	All Feline (Lion, Tiger, Leopard, serval cat etc.)	Feline Panleukopenia, Feline Calcivirus, Feline Rehinotrachitis Rabies	Feligen	Annual
2	All Canines (Wolf, Wild Dog, Silver Fox, South American Coati etc.)		Nobivac Dhappi, Nobivac Lepto, Nobivac R	Annual
3	Omnivores (Sloth Bear)	Leptospirosis Rabies	Nobivac Lepto, Nobivac R	Annual
4	Wild Ass Rhinoceros unicornis Hippopotamus Zebra	Tetanus	Tetanus Toxoid	Annual

Vaccination protocols at Sardar Patel Zoological Park are as follows:

Ectoparasite control: There are many ectoparasites, e.g., ticks, fleas, and mites, found on zoo animals. Ectoparasitic infestation and secondary infections are very common in a few species. These ectoparasites may act as a transmitter or carrier of disease-causing pathogens, and occasionally it may even lead to mortality. E.g., transmission of tick-borne haemoprotozoan diseases

The presence of such ectoparasites is ruled out during routine health analysis, and effective prevention and treatment measures are implemented.





Pic: Microscopic examination ectoparasites from the Peacock

Feeding

The nutritional requirements of every species of animal, bird, and reptile are different. Nutrition is critical to the overall well-being of the animals. A dedicated team of veterinarians, biologists, and head keepers has designed a species-specific diet chart and schedule for all individuals at Sardar Patel Zoological Park. Every aspect of food requirements and food preparation is taken care of by the team with the help of dedicated kitchen staff.

The SPZP Zoo Kitchen opens at 5 a.m. The first feed is served to birds and primates by 6 a.m. daily, followed by other animals.



Pic: Food Preparation at SPZP Kitchen

Supplementation:

Regular supplementation is provided to all species. Captivity feeding and husbandry management practises have limitations in terms of providing food and habitat as compared to those of natural or wild habitats. Hence, some species may suffer nutritional deficiencies. To overcome this challenge, preventive supplementation is provided. It includes multi-vitamin, multi-mineral, tracemineral, and amino acid supplementation.

For reptiles, adequate sunlight is provided for their normal metabolic activities. In cases of low sunlight, UV lights are provided.



Pic: Clinical examination of Sulcata in the enclosure

Commonly use supplements at Sardar Patel Zoological Park

SN	Species		Supplement Content	Brand (if any)	Days/week
Α	Carnivores:				
1	Feline:		Multivitamin, Multimineral,	Amimeo	3
	Tiger, Lion, Leopard, Serval		Amino acid combinations	Vimeral	
				Osto pet/Vet	
2	Canine:		Multivitamin, Multimineral,	Vimeral	3
	Wild Dog, Wolf, Hyena, Silver		Amino acid combinations	Nutropet 21	
	Fox			Osto pet/Vet	
В	Herbivores:				1
1	Spotted Deer, Black buck,		Amino acid, multivitamin,	Agrimin Fort	4
	White Black buck, Chinkara,		multimineral combinations	Vimeral	
	Sambar Deer, Mix Species,			Osto pet/Vet	
	Bison, Rhino				
2	Equine:		Amino acid, multivitamin,	Hoss Mix	4
	Wild Ass, Zebra, Mini Horse		multimineral combinations	Agrimin Fort	
				Vimeral	
3	Africa:		Amino acid, multivitamin,	Agrimin Fort	4
	Wildebeest, Oryx	, Giraffe	multimineral combinations	Vimeral	
4	Primate:		Amino acid, multivitamin,	Vimeral	3
	Cotton Top, Capuchin		multimineral combinations	Becadexamin	
	Squirrel Monkey, Golden Hand			Nutropet 21	
	tamarin, Common marmoset		Liver Supplement	Broton	3
				Liv 52	
6	Indian Aviary:		Amino acid, multivitamin,	Bird plus	3
	Multiple species		multimineral combinations	Vimeral	
	V V		Liver Supplement	Broton	3
				Liv 52	
7	Exotic Aviary:		Amino acid, multivitamin,	Bird Plus	3
	Multiple species		multimineral combinations	Nutropet 21	
			Liver Supplement	Broton	3
	0			Liv 52	
8	Species	Wallaby	Selenium and Vit E	E-Care-SE	4
	Specific	Mara	5 gm/day/animal		
	Supplements			Agrimin Fort	
			Amino acid, multivitamin,	Vimeral	3
			multimineral combinations	Nutropet 21	
9	Pet Zone:		Amino acid, multivitamin,	Bird plus	2-3
	Rabbit, Duck and geese, Mini		multimineral combinations	Nutropet 21	
	Cow, Sheep, Goat, birds			Agrimin Fort	
				Vimeral	
	Pet Zone: Guinea Pig		Vitamin C 10 mg/ animal	Limcee 500	5

Enrichment:

It plays a very important role in the mental, social, and physiological well-being of animals, birds, and reptiles. The animal keeper and biologist play key roles in decoding the food and enclosure enrichment practises and their implementation. Wild animals and birds have access to a variety of food options in nature and spend a lot of time in food search, capture, consumption, etc. Similar concepts are implemented in routine practises for enrichment purposes.





Disinfection

Disinfection of all enclosures is carried out by various methods. Night shelters are cleaned regularly using floor cleanser and detergent. Chemical sterilisation using Kohrsolin-TH solution spray, Formaldehyde -Potassium Permagnet fumigation etc. is carried out as per the standard protocols. The burning method is used once a month or as per requirements.



Pic: Cleaning and disinfection of Hippopotamus enclosure

Pic: Cleaning of Indian Aviary

Pic: Cleaning and lime painting of Indian Aviary

Diagnostic aspects of veterinary practises include:

Routine haematological and serological examination:

Blood samples from sick people are routinely collected for haematological and serological analysis. Microscopic examination of the blood smear is carried out to rule on the findings and cause of disease.

Faecal sample analysis:

Random faecal sample analysis is carried out for animals, birds, and reptiles. Faecal sample examination of quarantined individuals is undertaken to rule out the presence of any endo-parasitic infestation. Accordingly, treatment protocols are programmed.



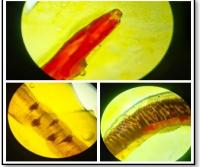
Pic: Microscopic examination of faecal and blood samples



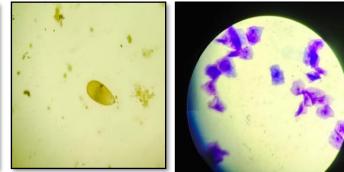
Pic: Serum biochemistry analyser at SPZP laboratory



Pic: Complete Blood Count (CBC) machine at SPZP



Pic: Microscopic examination of faecal sample of snake



Pic: Microscopic examination of faecal sample of Iguana

Pic: Microscopic examination of vaginal smear of Wild dog

Necropsy (Post Mortem Examination): -

A post-mortem examination of each and every species is carried out. Necropsy examinations aid in determining the precise cause of death and its impact on other individuals in the enclosure and zoo. In cases of infectious or contagious diseases, necropsy helps identify the causative agent, its transmission, incubation, etc. It also aids in breaking the transmission cycle and in disease prevention. A team of dedicated veterinarians is available to carry out all procedures.



Collaboration with other veterinary organisations or institutes:

The pathology laboratory at Veterinary Hospital Sardar Patel Zoological Park has basic diagnostic facilities. Hence, collaboration with veterinary colleges, veterinary universities, and disease investigation laboratories of the Gujarat State Animal Husbandry Department is made to carry out investigations on various samples for confirmatory diagnosis.

SPZP has a health advisory committee consisting of expert members from Navsari Veterinary College and the State Animal Husbandry Department. Health advisory committee meetings are called to obtain input and suggestions related to animal health management practices.



Pic: Health Advisory Committee Visit to Veterinary Hospital, Sardar Patel Zoological Park.

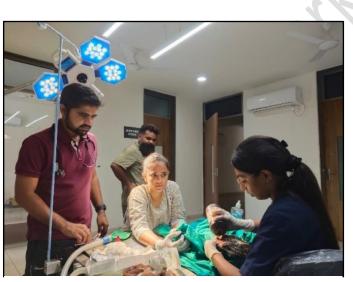
Veterinary treatments include: -

Emergencies:

Emergencies and their fundamentals in zoos are highly variable and depend on the species involved. Preparations, diagnosis, treatment aspects, etc. depend on the type of emergency. E.g., a snake bite in big cats is different from evisceration in herbivores and colic in equines. Sardar Patel Zoological Park has a team of veterinarians, Para-veterinary staff, biologists, keepers, and staff to tackle any kind of medical or non-medical emergency. A kit of equipment, instruments, medicine, drugs, etc. has been prepared to reduce response time.



Pic: Treatment of in-fight Injuries in birds



Pic: Treatment of in-fight Injuries in birds under Isoflurane gas anaesthesia at Veterinary Hospital



Black buck fawn under treatment of Naval ill and maggot wounds at VH



Pic: Treatment of Sambar inside the enclosure for infight injuries and maggot wounds

Routine Medical Treatment:

SPZP has various species of Indian and exotic animals, birds, and reptiles. Medical conditions are highly variable and are treated on a regular basis. The most common conditions include common diseases caused by bacteria, viruses, fungus, parasites, etc. At the same time, myasis, dental problems, skin problems, and other ailments are also common.



Treatment of Maggot wound in Sambar. Flushing of Wound using Pressure Pump



Treatment of In-fight injury in Rhinoceros



Emergency cases are attended at enclosure itself. If required animals are kept under observation in soft release enclosures. If there is any requirement of diagnostic equipment or in case of invasive procedure, the animals shifted to veterinary Hospital, SPZP.

Restraining, anaesthesia and surgical interventions:

SPZP has a well-established veterinary hospital equipped with an operation theatre, radiography, and an ultrasonography unit. Restraint is critical for performing any diagnostic or therapeutic procedure, as well as for the safety of all humans and animals involved. Physical restraint is used for birds and reptiles, chemical immobilisation is preferred for aggressive and agile carnivores, and a combination of both methods is commonly used for herbivores, as per situation and individual condition.







Physical Restraining of Marsh Crocodile for treatment

Restraining of Iguana using Isoflurane gas anaesthesia

Oesophagostomy in iguana was performed to fix infant feeding tube

Chemical immobilisation is obligatory to perform any invasive procedure on animals, birds, and reptiles due to the aggressive nature of wild animals and to avoid pain. Necessary medicines, drugs, and machines are available for sedation, tranquilization, and anaesthesia in all species. Surgical interventions are performed as and when required by a team of veterinarians. E.g., Emergency Herniorrhaphy in the Blue Wildebeest Female was performed post-infight. Oesophagostomy in Green Iguana performed for stomach feeding in sore mouth condition.



Sedation and treatment of Peacock under Gas Anaesthesia for infight injuries in Indian Aviary



Treatment of Duck for Dehydration and Jaundice

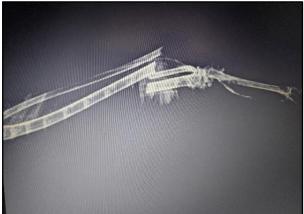
Diagnostic Facilities:

X-ray / Radiology Unit:

SPZP has a portable X-ray facility and it is used in hospital as well as directly in enclosures as and when required. SPZP also provide technical services in rescue, treatment, fracture management of various species.



Pic: Radiography of a rescued bird



Pic: Radiographic examination bird showing complete fracture of radius and ulna

Ultrasonography Unit:

SPZP has a portable sonography machine and it is also used in veterinary hospital or directly in enclosures if required. It provides valuable information for diagnosis and treatment of various ailments.



Intensive Care Unit (ICU):

Sardar Patel Zoological Park has an intensive care unit (ICU) with adequate facilities and human resources. Newborns, abandoned, sick, rescued animals, birds, reptiles, etc. are treated and cared for with the utmost precautions and responsibilities in a controlled atmosphere. The diet, nutritional, and managemental aspects of every species are designed by a team of veterinarians, biologists, and head keepers. Tube feeding, crop feeding, intensive rehydration therapy, and other treatments are routinely undertaken to get the best results for the animal's health.



Tube feeding of Python



Emergency Treatment of Wallaby for infectious disease



Team SPZP for Treatment of Wallaby for infectious disease

Infant Care:

Sardar Patel Zoological Park successfully hand-raises many Indian and exotic species of animals and birds. At present, Gemsbok oryx, Serval, Capuchin, Red-necked Wallaby, Southern Pig Tailed Macaque etc. are successfully hand raised.







Reproductive Health:

Breeding of certain animal, bird, reptile etc. is indicative of acclimatization of species to the environment, proper feeding, enrichment and overall, well-being. In order to promote population sustainability overall health of the animals is being monitored over time.



Pic: Monitoring of gestational signs in Sloth bear

Pic: Monitoring of gestational signs in Sloth Bear

Pic: Post-parturition monitoring of a blue wildebeest female and calf

Breeding status of animal is monitored by keepers, biologist and veterinarians. Observations on mating behaviours, laying of egg, gestational activities, act of parturition etc. notified to concern staff and veterinarians. All due precautions are undertaken for successful breeding of animals in terms of feeding, supplementation, housing, bedding, enrichment etc. Data on breeding status monitored through various ways such visual observations and audio- visual data using camera traps and CCTV monitoring.



Pic: Monitoring of painted stork nesting activities using camera trap



Pic: Monitoring of painted stork nesting activities using camera trap

Keepers Training:

Keeper's training and meeting is undertaken at regular interval to update knowledge of keepers and to know the management issues and requirements of animal enclosures. Keepers spend most the time with animals in the enclosure and they provide valuable information for animal health care and zoo management. Keepers observe behaviours, feeding status, health conditions and any signs of illness in animals and they also help in training and restraining of animals whenever required.

As Zoo keepers help Zoo to achieve many goals with a positive impact on an animal welfare, it is important for zookeepers to know the basic zoo management principles, purpose, do's and don'ts. Hence keepers meeting is undertaken at regular interval.



Keepers Meeting with ACF, RFO, Veterinary Officer, Biologist, Head Keepers etc. at Veterinary Hospital, Sardar Patel Zoological Park.



Enclosure Enrichment Activities

Sardar Patel Zoological Park, Ekta Nagar

The instinctual behaviours that are typical to a species must be displayed by wild animals kept in zoos in order to be like their wild conspecifics. Environmental enrichment is a concept in animal husbandry that entails making adjustments to an animal's environment or quality of life in captivity in order to ensure their psychological and physiological wellbeing. It also creates opportunities for the expression of suitable, naturalistic or wild behavioural patterns. By encouraging an animal to explore and interact with their surroundings, enrichment can improve the zoo habitat for that particular animal. Because the animals are more active and exhibit more natural behaviour, enrichment also improves the visitor experience. At Sardar Patel Zoological Park, we focus on improving species specific enrichment as a part of the multimodal approach to improve the welfare of the animals housed here.

Types of enrichment provided at Sardar Patel Zoological Park:

Material Used: Ropes, Wooden Logs of variable size,

1. **Physical Enrichment:** All animals are provided sufficient space and natural habitat as per their species specific needs. Natural and artifical elements such as logs, boulders, trees, grass and wooden structures are added to stimulate natural behavior. Artifical pools and mud is provided in the enclosure for animals to swim and wallow.



Shade & climbing platform provided with wooden log structure for the leopards.



Rope hammock provided in the Cotton Top Tamarin enclosure.

- 2. Feeding Enrichment: there are more than 90 species of animals, birds and reptiles at SPZP and their nutritional requirements are variable. To overcome this, variety of diet is provided to all the animals and birds as per their species specific requirement. Seasonal changes and nutritional value is also considered while providing the feed. Various feeding devices are used as an enrichment activity to stimulate their natural behaviour.
- 3. Sensory Enrichment: Sensory enrichment a type of enrichment where different senses of individual get stimulated using sensory response. It includes enrichment scratch boards, new smells, moving toys, or different sounds are used to stimulate animal's senses.



Dietary enrichment provided to Channel Billed Toucan.



Sensory Enrichment by providing honey in dry coconut.

4. Social Enrichment: SPZP provided equal importance of natural social groupings for animal welfare and consider the normal social structure of each species when designing and maintaining exhibits.



Social grouping of Black Swan at SPZP

The following factors were taken into account while choosing the enrichment:

- The activity that the animal spent the most energy on in the wild. Simply because the animal will be motivated by that activity to engage in its natural behaviour and will feel frustrated otherwise.
- Determining the behavior's objective, which enabled us to order the behaviours in chronological order. It is crucial to keep it if it is the outcome of a physiological process.
 When compared to how much time and effort is put into the behaviour in the wild, it can be helpful in determining what behaviours to promote in captivity for satisfying experiences.
- Depending on the time of day, the season, and the stage of their life cycle, animals will have varied behavioural needs. As a result, the daily or temporary enrichment routines were organised according to a particular time of day, season, and life cycle.
- New enrichment was added gradually and slowly to avoid fights or nervousness.
- Consideration was be given to social groupings and hierarchy careful observation ensured enrichment given or to be removed at appropriate times.
- Plants or parts of plants may be toxic to animals prior treatment of plants with pesticides or fire-retardant chemicals can be toxic – only non-toxic plants were introduced in the enclosure.
- Carefully choosing novel foods for enrichment dietary enrichment consisting of inappropriate food can lead to tooth decay, obesity, allergic reactions, impaction, diarrhoea, choking or aggression from other animals.
- Observing new enrichment objects when being used objects, if broken, can produce sharp edges that can cut animals.

Enrichment activites undertaken at Sardar Patel Zoological Park:

- Enclosures are designed to replicate the natural surrounding considering the space, terrain, habitat, temperature and humidity required for the species.
- Climbing structures such as trees, wooden poles, ropes, logs, rocks, hammocks, etc were introduced in various enclosures.
- Substrates for lying or sleeping on or buildings such as grass, moss, hay, straw, leaves, etc. were provided within enclosure and night shelters.
- Visual barriers as brush or log piles, trees, rocks, hills, weeds, etc. were provided to stimulate natural environment.
- A variety of feeding sites and stations were provided to ensure all the animals get their feed properly and no infight occurs for food.
- Water features such as pools, waterfalls, moats, sprinklers, misters, etc. are installed in all the enclosures to stimulate natural habitat and help the animals to maintain their body temperature.
- Browsing and grazing areas for herbivores species are provided within the enclosures.
- Variety of diet is provided to all the animals and birds as per their species specific requirement. Seasonal changes and nutritional value is also considered while providing the feed.
- Live insects are provided to birds and primates in their diet.
- Feeding enrichment devices are installed in some species such as primates, birds, etc.
- Natural and artificial shades are provided for animals to take shelter from harsh sunlight or rains.
- Basking sites and perches are provided in reptiles to help in regulating their body temperature.



Perching areas and feeding stations installed for birds at exotic aviary.



Logs, plants, and feeding station installed in South American Coati enclosure.



Hanging Rope bridge provided in small primate dome.



Water body and basking area provided in Crocodile enclosure.



Climbing perches, shallow pool and feeding station provided in Iguana enclosure.



Hanging rope bridge provided in Tufted Capuchin enclosure.





Animal Hand Rearing in Captivity

Sardar Patel Zoological Park,

Ekta Nagar

Introduction:

Hand-rearing is a deliberate effort to keep and care for a new-born by someone other than the mother. The primary objective of hand rearing is to keep the infant animal alive. The primary goal of hand-rearing is to save the vulnerable newborns and infants who can't be taken care of by their mother.

There are many factors responsible for the rejection of newborns by parents. The major external factor in captivity is the continuous stress on the animals because of surrounding and ambient factors. Similarly, internal factors such as hormonal changes and nutritional deficiencies in the mother may lead to her inability to take care of newborns.

Zoos play an important role in the breeding and conservation of scheduled and endangered species of wildlife. Postpartum parenteral care by the dam and sire is equally important. If not taken by parents, hand rearing plays important role in conservation breeding.

For successful hand rearing, selecting a feed, formula, or combination that supports adequate, healthy growth without Gastro-intestinal upset is important. Furthermore, feeding amount, intervals, medium, and feeding techniques are critical for successful animal hand rearing. Proper feeding procedures are crucial to ensure acceptance and prevent overfeeding, underfeeding, and aspiration into the lungs.

Optimal atmospheric temperature and humidity are another important factor in maintaining basic metabolism, which should be maintained using conditioners, heaters, and humidifiers.

Cleanliness, hygiene, sanitization, and sterilisation are vital to keep an area pathogen-free. All utensils and devices used for feeding should be cleaned and disinfected. The enclosures, cages, sheds, kraals etc, to be disinfected at regular interval for better up keep of animals. Chemical sterilisation and burning help achieve the same.

Sardar Patel Zoological Park has followed best of practices for hand rearing of animals which are as follows-

Hand Rearing of Serval Cat (Leptailurus serval)

Sardar Patel Zoological Park has a pair of Serval Cat. In October 2020, mating was observed in Serval Cat. The mating was observed for an average time of 30-40 minutes from early morning hours to late evening for two consecutive days. On 31st December 2020, at 11:30 in the morning, two kittens were delivered. The approximate gestation period was of 69 days. On the day of queening, in the afternoon hours, at 15:30, queen (mother) killed one of its kitten. Looking at the circumstances, second kitten was quickly taken out of the enclosure by biologist and animal keeper. The same kitten was hand reared for a year at Sardar Patel Zoological Park.



Feeding

Electrolyte solution and diluted milk/goat milk was given orally on the for the first 24 hours. From second day, Lactol Kitten milk (LKM) was started. Feeding bottle and nipple size plays a crucial role during feeding. In accordance with size of animal, Lactol feeding set of 25 ml bottle with four opening in the nipple was used. The neonate was kept on the sternal recumbency with slightly elevated head during feeding. At the same time, feeding bottle was tilted upside down to ensures proper flow of milk and milk consumption.

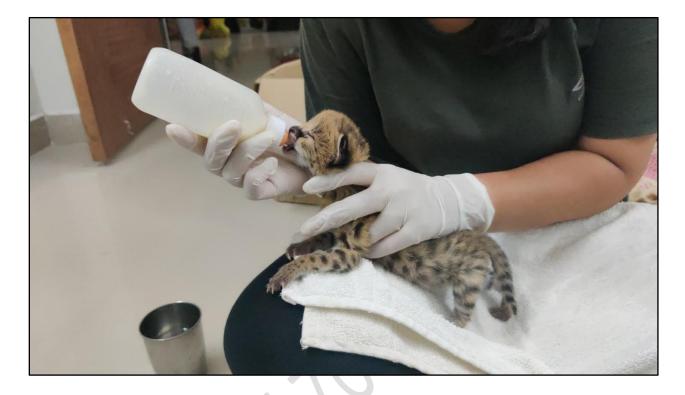
Body weight

At the time of birth, the body weight of the kitten was 181g. Every day body weight was measured to check growth and weight gain. The body weight of kitten on completion of eight months was 3140 gm.

Care and Management

Kitten was kept in a small box for 60 days. Ano-genital area is required to rubbed gently to stimulate urination and defecation. Defecation may not be observed after every feeding and rubbing while urination was observed after every rubbing. It is important to clean and dry ano-genital area post urination and defecation to avoid any kind of infection. After 60 days, the kitten was kept open in incubation room from a box, with slight rough surface for proper locomotion. The water bowl, feeding dish, dry soil tray for urination and defecation was kept inside the housing. The result of successful hand-reared kitten can be

achieving by following milk formula, feed quantity, feeding position, housing atmosphere, hygiene, disinfections, equipment sterilization, body growth, urination and defecation.



Pic: Feeding a Serval Cat in an ICU



Pic: A Serval cat in an enclosure after 11 months

Tufted Capuchin Monkey (Cebus paella)

Tufted Capuchin is found east of the Andes, from Colombia and Venezuela to Paraguay and northern Argentina. One pair has been successfully hand-reared in the Sardar Patel Zoological Park. Capuchin monkey mating was seen from 28 to 30 November 2020; 155 days later, on 14 April 2021, a female infant was born. However, the parents did not show any parental care. Therefore, it was decided to raise the new-born Capuchin infant by hand. The capuchin monkey was shifted from the enclosure to the ICU Veterinary Hospital, SPZP. All necessary safety measures were taken in this nursing room, including feeding, bedding, thermoregulation, humidity, cleaning, and hygiene.

Feeding

Nestle Lactogen-1 and Lactogen-2 human milk replacers were used as a feed to the infant. Lactogen-1 was used up to six months, and lactogen-2 was used from six to eighteen months. Lactogen milk replacer was prepared as per the standard guidelines given by the company for humans, except that milk was used in lesser quantity to avoid diarrhea and any other gastric upset. The total lactogen formula, after preparation, was given at the rate of 6–10% of the body weight per day, divided into 8 intervals. After four months of nursing the baby, water was introduced twice daily. After 4 months, Nestle Cerelac was given as the first food of the day at 2% of body weight. Along with Lactogen-2 (6–18 months), fruits were offered, which included apples, bananas, orange slices, and juice. Similarly, boiled eggs were introduced after six months. The quantity of lactogen reduced after eight months as the animal started consuming all the fruits and boiled eggs regularly. After one year of age, Lactogen-2 milk replacer (30–40 ml), Cerelac (15–20 g), fruits (60–70 g), and boiled eggs (8–12 g) were given.

Thermoregulation and Humidity

The veterinary hospital at Sardar Patel Zoological Park is well-established and equipped with all the amenities needed for animals. Throughout the year, the temperature in the nursing room was maintained between 25 and 32 degrees Celsius. Electric fans, air conditioners, and air heaters are used to regulate temperature. Additionally, the humidity in the space is controlled at 40–50%; a water bowl with lights is placed to maintain humidity.

Cleaning and hygiene

Cleanliness and hygiene are maintained at the veterinary hospital and in every enclosure of the Sardar Patel Zoological Park. Chemical disinfection is carried out regularly using Kohrsolin TH solution in the veterinary hospital building and other zoo areas. Additionally, the burning of the nursing room is carried out twice a month. Foot baths, wash basins, and hand sanitization sites are provided for hygiene and the prevention of zoonotic diseases.

Body weight

Body weight measurement in infants has great significance, and it is crucial to measure body weight to know the growth of an animal. It is also helpful during the treatment. Hence, the body weight of the animal was recorded at regular intervals. On day 1, the infant was weighing 165 gm, and after one year, it was 1036 gm.

Interval	Infant 1 (Weight in gm)	Infant 2 (Weight in gm)
Day 1	165	181
Day 7	200	211
Day 15	238	241
Day 30	255	269
Month 2	289	301
Month 3	340	369
Month 4	401	449
Month 5	474	489
Month 6	501	538
Month 7	571	590
Month8	669	702
Month 9	770	799
Month 10	864	884
Month 11	947	1014
Month 12	1036	1240

The weights of infants measured at different intervals are as follows:



Pic: Tufted Capuchins being fed in an ICU



Pic: Weighing of Capuchin Monkey



Pic: Access to adequate sunlight

Oryx or **Gemsbok** (*Oryx gazelle*)

Gemsbok Oryx (Oryx gazella) inhabitant of southern and eastern Africa. Sardar Patel Zoological Park has a pair of adult Oryx species. They are herbivorous and their captive diet consists of dry hay, green fodders, lucerne grass, concentrate palate and dry hay. The mating behavior in Oryx was observed from 10 to 16 September. The female gave birth to male fawn in the late evening hours after a gestation period of 264 (+/- 4) days. Post-parturition, the fawn was unable to stand and consume milk from mother. However, sire and dam were showing parental care for few initial hours. After 14 hours, both the parents left the fawn unattended and moved to other part of the enclosure. Looking at the circumstances, SPZP team had decided to intervene and to take care of fawn on hand-rearing and Oryx fawn was sifted in nursing kraal of veterinary hospital.

Shelter Room

An open Kraal with night shelter along with all essential amenities was dedicated for hand rearing of oryx fawn. Regular measures were taken to keep everything clean and hygienic. Regular burning of kraal and night shelter was carried out at an interval of week. Air conditioner and heater were placed to maintain temperature and humidity. Regular cleaning of feeding bowl and water bowl was undertaken by keepers.



Feeding and other Management

Newborn oryx fawn was shifted to Veterinary Hospital kraal from

the Africa section after through clinical examination as parents were not showing parental care. The fawn was fed Amul Calf Milk replacer at 10% of the body weight at interval of four hours initially. Newly born goat kids were kept along with Oryx calf for social enrichment. The prepared calf milk replacer was given to fawn up to 160 ml and later on it went up to 1250 - 1350 ml per feeding. After two months, fawn started nibbling the green fodder and followed by fruits like apple and carrot. Similarly, the solid feed chewing was noticed after four months which include grasses, hay and antelope feed. After 150 days, the frequency of milk replacer was reduced to twice daily along with increased amount of solid food. The milk replacer was then gradually discontinued after 6 months. The Oryx fawn was re-introduced to Africa section of Sardar Patel Zoological Park after 6 months. In the open Africa enclosure, the oryx fawn was kept in soft release area for a month, followed by released in open area.



Pic: A group of goats was kept along with an oryx fawn for social enrichment.



Pic: Soft release of an oryx fawn in the Africa section.