

**SRI VENKATESWARA
ZOOLOGICAL PARK, TIRUPATI.**



**ANNUAL REPORT FOR THE
YEAR 2020-21**

CONTENTS

4S.No	Section	Page Number
1.	Report of the Officer-in-Charge	03
2.	History of the Zoo	04
3.	Vision	04
4.	Mission	04
5.	Objective	04-05
6.	About Us	05-06
7.	Organizational Chart	07
8.	Human Resources	08
9.	Capacity Building of the Zoo Personnel	09
10.	Zoo Advisory Committee	09-10
11.	Health Advisory Committee	10
12.	Statement of Income and Expenditure of the Zoo	11
13.	Daily Feed Schedule of Animals	11-21
14.	Vaccination Schedule of Animals	22
15.	De-Worming Schedule of Animals	23
16.	Disinfection Schedule	24
17.	Health Check-Up of Employees for Zoonotic Diseases	24
18.	Developmental Works carried out in the Zoo during the Year	25
19.	Education and Awareness Programmes during the Year	26-27
20.	Important Events and Happenings in the Zoo	27
21.	Seasonal Special Arrangements for Upkeep of Animals	28
22.	Research Work carried out and Publications	29
23.	Conservation Breeding Programme of the Zoo	29
24.	Animal Acquisition / Transfer / Exchange during the Year	29
25.	Rescue and Rehabilitation of the Wild Animals carried out by the Zoo	30
26.	Annual Inventory of Animals	31-42
27.	Mortality of Animals.	43-45
28.	Status of the Compliance with Conditions stipulated by the Central Zoo Authority	45-54
29.	List of Free-Living Wild Animals within the Zoo Premises	55

1. Report of the Officer-In-Charge

Dear Readers,

Sri Venkateswara Zoological Park, Tirupati has crossed 25 years milestone. Having fulfilled the required norms, the CZA has recognised Sri Venkateswara Zoological Park, Tirupati as "Large Category Zoo". This is a Naturalistic Zoo with large and spacious enclosures. The zoo is developed on Mythological theme, highlighting the role played by various animals/birds/reptiles in Indian Mythology. Presently there are 88 different species of mammals, birds and reptiles with a total of 1094 wild animals for display.

Conservation Education is one of the main objectives of the zoo. Hence zoo organises various educational programmes to reach out as many people as possible. Zoo Park was temporarily closed to visitors for 8months i.e, from March 20th to Nov 15th due to COVID -19 as per the instructions of Central Zoo authority. During that period, various online competitions like Quiz, essay writing, elocution, painting, drawing etc., were conducted on various environmental days of wildlife importance viz., International Tiger Day, World Lion Day, World Elephant Day, 66th Vanya PraniSaptah, World Environment Day, World Sparrow Day, etc. ,wherein school/college students and public were involved in spreading the message on the need for conserving wildlife.

The annual visitor footfall during the year 2020-21 (April 2020-March 2021) is 2,22,108 and the revenue 1.82 crores. We had around 35 new births (Birds: 7, Mammals: 28).

Developmental works to provide high standards of housing, husbandry and health care viz., Raising of Hyena moat wall. Providing chainlink fencing for Lion moat wall. Repairs and maintenance of Pheasantry and Parrot world. were carried out during the year. Animal enrichment was taken up in various enclosures, considering the biology, behaviour and physical requirements of the wild animals kept in captivity. Welfare measures were taken up for the zoo employees. Construction of moat wall around Swamp deer enclosure, element works on the Himalayan Black Bear, Asiatic Lion enclosures and Nocturnal Animal House are under progress.

2. History of the Zoo

Sri Venkateswara Zoological Park is a Naturalistic Zoo located in Tirupati, the abode of Lord Sri Venkateswara Swamy. The Zoo is located on the foothills of Seshachalam hill ranges, which is an offshoot of Eastern Ghats.

The foundation for Sri Venkateswara Zoological Park was laid on 29.09.1987 by Late Sri N.T. Rama Rao, the-then Hon'ble Chief Minister of Andhra Pradesh and opened to public from 30.04.1993 onwards by Late Sri K. Vijaya Bhaskar Reddy, the then Hon'ble Chief Minister of Andhra Pradesh. The zoo was named so because Tirupati is the abode of Lord Venkateswara, and the zoo was developed on a mythological theme highlighting the role of wild animals in our ancient scriptures. The total area earmarked for the zoo is 1254.71 ha, out of which 289 ha is proposed for development under Phase-I. Sri Venkateswara Zoological Park is unique of its kind, wherein the animals are displayed in vast enclosures which are nearer to their natural habitat.

3. Vision

Educating the public to visit the zoo as a scientific institution, engaged in welfare and ex-situ conservation of wildlife and also to project the Zoo as a knowledge centre for wildlife education connected with mythology. Keeping the Zoo in a healthy ambience and pollution free environment.

4. Mission

The mission of the Zoo is to develop amongst visitor's empathy for wild animals, motivate them to support the cause of conservation of wildlife and to promote conservation education through mythological theme highlighting the role of wild animals in our ancient culture.

Conservation of wildlife through planned breeding of endangered species and collaborative research aiming at attaining management schemes for in-situ population.

Rehabilitation and rescue of wild animals, which are brought from different situations like Circus and other areas.

5. Objectives of the Zoo: Conservation, Education, Research and Recreation are the primary factors in framing the objectives of Sri Venkateswara Zoological Park, Tirupati. In consonance with the National Zoo Policy, the objectives of the zoo are framed hereunder:

- i) Conservation and Breeding of Endangered species:** Conservation and breeding of endangered fauna with special focus on Eastern Ghats.
- ii) Conservation Education and Awareness:** To promote conservation education and interpretation.
- iii) Research for Conservation:** Propagating research and scientific study on animal behaviour, diseases and their control, feed, nutrition and reproductive biology. The knowledge so gained can be used for proper management of the wild fauna.
- iv) Rescue and Rehabilitation:** To maintain the orphaned, seized, rescued and injured wild animals and rehabilitating them in the wild adhering to the guidelines framed for the purpose.
- v) Mythological Awareness:** All the displays promote conservation education through mythological theme to spread the message of conservation among pilgrims, while highlighting the role played by wild animals in our ancient culture.

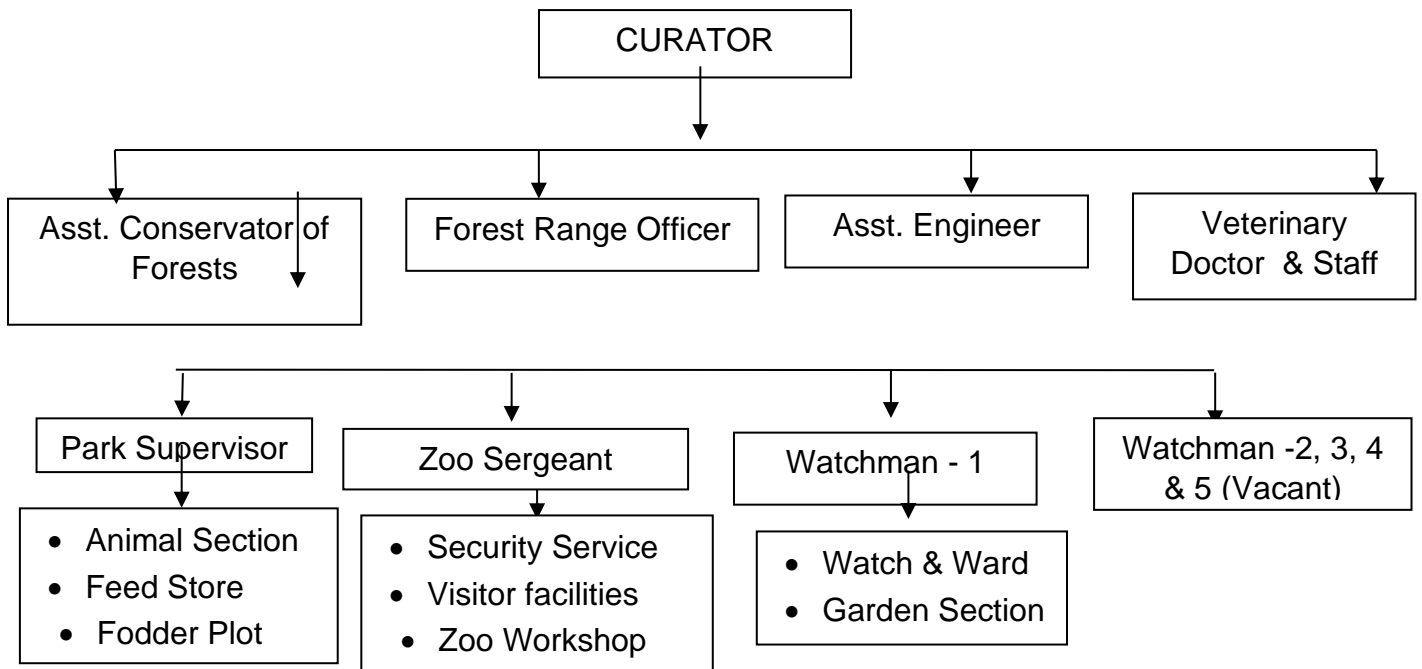
6. About us

Basic Information about the Zoo		
S.No.	Particulars	Information
1	Name of the Zoo	SRI VENKATESWARA ZOOLOGICAL PARK
2	Year of Establishment	30.04.1993
3	Address of the Zoo	S.V. Zoological Park, Pudipatla Village & Post, Tirupati Rural, Chittoor District. PIN – 517505.
4	State	ANDHRA PRADESH
5	Telephone Number	0877-2950212
6	E-mail address	tirupati.svzoo@gmail.com
7	Website	www.svzoo.com
8	Twitter	sv zoological park
9	You tube	Svzoo Tirupati
10	Distance from nearest	Airport: 28 Kms.
		Railway Station: 8.6Kms.
		Bus Stand:9Kms.
11	Recognition Valid upto (Date)	19.08.2023
12	Category of Zoo	Large Zoo
13	Area (in Hectares)	1,254.71 Ha.
S.No.	Particulars	Information

14	Number of Visitors (Financial Year)	Adults : 1,76,447
		Children : 33,777
		Two Wheelers: 754
		Four Wheelers: 11,130
		Total visitors: 2,22,108
13	Visitors' Facilities Available in Zoo	<ul style="list-style-type: none"> ➤ Battery Operated Vehicles ➤ Herbivore Safari & Lion Safari ➤ Drinking Water Facilities ➤ Visitor Shelters and Platforms ➤ Toilets ➤ Wheel Chairs ➤ Zoo Souvenir Shop ➤ Interpretation Centre ➤ Zoo School ➤ Bioscope
14	Weekly Closure Day of the Zoo	Every Tuesday
15	Name with designation of the Officer in-charge	Smt. M.Hima Sailaja, Dy.CF.
	Name of the Veterinary Officer	Sri. Dr.TH.Thoiba Singh Sri. Dr.S.P.Arun
	Name of the Curator	Smt. Hima Sailaja
	Name of the Biologist	P.Josely
	Name of the Zoo Education Officer	C.Prasanna Deepak
	Name of the Lab Technician	Sri. R.Hema Sekhar
Owner / Operator of the Zoo		
16	Name of the Operator	Smt M. Hima Sailaja
17	Address of the Operator	S.V.Zoological Park, Pudipatla Village and Post, Tirupati Rural, Chittoor District, Pin - 517505.
18	Contact details/Phone number of Operator	0877 – 2950212 +91 9440810066
19	E-mail address of Operator	tirupati.svzoo@gmail.com

7. Organizational Chart

The hierarchy in Sri Venkateswara Zoological Park, Tirupati is as follows:



8. Human Resources / Manpower of the Zoo

Sl.No.	Designation	Number of Sanctioned Posts	Name of the incumbent
1	Curator	1	Smt. M.Hima Sailaja, Dy.CF.
2	Asst. Conservator of Forests(WL)	1	Sri. P. Dhana Raj
3	Assistant Curator	1	Sri. V. Madhava Rao
4	Work Supervisor	1	Vacant (1 No.)
5	Park Supervisor	1	Sri. K. R. Venkataramana
6	Superintendent	1	Sri K.V.Lokanath Babu
7	Senior Assistant	1	Sri. K.S. Chandra Sekhar
8	Junior Assistant	2	Smt. N. Indira Sri. C. Mahesh Kumar
9	L.D. Steno	1	Vacant (1 No.)
10	Zoo Sergeant	1	Vacant (1 No.)
11	Office Sub-ordinate	2	(1 working, 1 post vacant) Smt. M. Gangadevi
12	Driver	2	Vacant (2 Nos.)
13	Watchman	6	(4 posts vacant) 1. Sri. K. Prasad 2. Sri K Chinnabba Reddy (MTS)
14	Labourer	12	(9 working, 3 posts vacant) 1. Sri D.Mabasha 2. Sri P.Nagaraju 3. Sri G.Gangadharam 4. Sri D.Dasthagiramma 5. Sri T.Sivaiah 6. Smt P.Kanthamma 7. Sri S.Munirathnam 8. Sri N.Venkatarathnam 9. Sri. T.Munaswamy
15	Helper	5	(5 working) 1. Smt V.S.Kumari 2. Sri E.Srinivasulu 3. Sri Y.Venkatamuni 4. Sri S.Chalamaiah 5. Sri K.Veerawamy
16	Cleaner	1	1. Sri G.Nagaraju
	Total :	39	13 vacancies

9. Capacity Building of Zoo Personnel

Sl. No.	Name and designation of the zoo personnel	Subject matter of Training	Period of Training	Name of the Institution where the training attended
1.	G.Bhaskar Naidu	National zoo keepers training on Captive Management of Reptiles.	15.03.2021 to 17.03.2021	IGZP, Visakhapatnam
2	C.Pachappa	National zoo keepers training on Captive Management of Reptiles.	15.03.2021 to 17.03.2021	IGZP, Visakhapatnam
3	All the zoo employees	Snake rescue and release programme organized with the co-ordination of Friends of snake society, Hyderabad		S.V.Zoo Park, Tirupati

10.Zoo Advisory Committee –

a. Date of Constitution:-- 07.04.2016

b. Members

i. *Official Members:*

Sl. No.	Designation	Designation in the Governing Body.
1.	Hon'ble Minister for Environment, Forests, Science & Technology and Coop	Chairman
2.	The Special Chief Secretary, Principal Secretary to Government, EFS&T Department.	Member
3.	The Principal Secretary to Government, Tourism Department.	Member
4.	The Principal Secretary to Government, Finance Department (or) Representative.	Member
5.	The Principal Secretary to Government, MA&UD Department.	Member
6.	The Principal Chief Conservator of Forests(HoFF), AP, Guntur	Member
7.	The Principal Chief Conservator of Forests (WL) and Chief Wildlife Warden, AP, Guntur.	Member
8.	Vice Chancellor, S.V. University, Tirupati.	Member
9.	Executive Officer, Tirumala Tirupati Devasthanamas, Tirupati.	Member
10.	VC&MD, TUDA, Tirupati.	Member

11.	Collector, Chittoor District	Member
12.	Chief Conservator of Forests, Wildlife Management Circle, Tirupati.	Member
13.	Curator, S.V. Zoological Park, Tirupati.	Member

Non-Official members: - --Nil--

c. Dates on which Meetings held during the year :- 04.10.2019

11. Health Advisory Committee--

a. Date of constitution :15.02.2016

b. Members

1. Dr. B.Sridevi, Professor & Uni.Head, Dept. of Veterinary Microbiology, CVSc, Tirupati.
2. Dr. B.Shobha Mani, Professor & Uni.Head, Dept. of Veterinary Medicine, CVSc, Tirupati.
3. Dr. B.Devaseena, Professor & Head, Dept. of Animal Nutrition, CVSc, Tirupati.
4. Dr. Ch. Srilatha, Professor & Uni.Head, Dept. of Veterinary Pathology, CVSc, Tirupati.
5. Dr. K. Veerabrahmaiah, Professor & Uni.Head, Dept. of Veterinary Gynaecology & Obstetrics, CVSc, Tirupati.
6. Dr. V. Ravindra Reddy, Professor of Livestock Production Management, CVSc, Tirupati.
7. Dr.R.V.Suresh Kumar, Professor & Uni.Head, Dept. of Veterinary Surgery & Radiology, CVSc, Tirupati.
8. Dr.V.Chengalvarayalu, Professor & Uni.Head, Dept. of Veterinary Parasitology, CVSc, Tirupati.
9. Dr.T.Madhava Rao, Assoc. Professor, Dept. of Veterinary Public Health & Epidemiology, CVSc, Tirupati.
10. Dr. Rani Pameela, Professor & Head, State Level Diagnosis Laboratory, Tirupati.

c. Dates on which Meetings held during the year:30.11.2019

12. Statement of income and expenditure of the Zoo during 2020-21

Revenue Collection (2020-21) (Rs.Lakhs)		Expenditure (Rs.)	
(1)	(2)	(3)	(4)
Revenue Collection (Entry fee, Safari, Parking, Four Wheeler, Cloak Room, Battery Operated Vehicle etc.,)	174.271	I. Maintenance Works (Animal Keeping, Veterinary Care, Gardening and House Keeping, Conservation Education, Visitors Amenities, Zoo Security and Maintenance of entry gate, Zoo Maintenance, Office Maintenance, Miscellaneous)	113.36
Others (Leases etc.,)	7.998	II. Wage Component	290.003
TOTAL	182.269	TOTAL	403.363

13. Daily Feed Schedule of animals

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
1	Hyena	Milk (పాలు)	250 ml.	250 ml.	Every Tuesday
		Beef (boneless) (ఎముకలులేనిగొడ్డుమాంసం)	2 Kgs.	2 Kgs.	
2	Wild Dog	Milk (పాలు)	250 ml.	250 ml.	Every Tuesday
		Beef (boneless) (ఎముకలులేనిగొడ్డుమాంసం)	2 Kgs.	2 Kgs.	
3	Jackal	Milk (పాలు)	250 ml.	250 ml.	Every Tuesday
		Beef (boneless) (ఎముకలులేనిగొడ్డుమాంసం)	1 Kg.	1 Kg.	
		Chicken liver (కోడికాలేయం)	100 Gms.	100 Gms.	
		Chicken (Tuesday only) (చికెన్)(మంగళవారంమాత్రమే)	1 Kg.	1 Kg.	
4	Indian Wolf	Milk (పాలు)	500 ml.	500 ml.	--
		Mutton (మటన్)	750 Gms.	750 Gms.	
		Chicken (చికెన్)	1 Kg.	1 Kg.	
		Boiled Eggs (ఉడకబెట్టినగుడ్లు)	2 Nos.	2 Nos.	
5	White Tiger	Milk (పాలు)	500 ml.	500 ml.	Every Tuesday
		Beef (boneless) (ఎముకలులేనిగొడ్డుమాంసం)	5 Kgs.	5 Kgs.	
		Chicken (చికెన్)	2 Kgs.	2 Kgs.	
		Eggs (గుడ్లు)	2 Nos.	2 Nos.	
6	Royal Bengal Tiger	Milk (పాలు)	500 ml.	500 ml.	Every Tuesday
		Beef (boneless) (ఎముకలులేనిగొడ్డుమాంసం)	5 Kgs.	5 Kgs.	
		Chicken (చికెన్)	2 Kgs.	2 Kgs.	
		Eggs (గుడ్లు)	2 Nos.	2 Nos.	
7	Leopard	Milk (పాలు)	500 ml.	500 ml.	Every Tuesday
		Beef (boneless) (ఎముకలులేనిగొడ్డుమాంసం)	3 Kgs.	3 Kgs.	
		Chicken (చికెన్)	2 Kgs.	2 Kgs.	
		Eggs (గుడ్లు)	2 Nos.	2 Nos.	
8	Jaguar	Milk (పాలు)	500 ml.	500 ml.	Every Tuesday
		Beef (boneless) (ఎముకలులేనిగొడ్డుమాంసం)	3 Kgs.	3 Kgs.	
		Chicken (చికెన్)	1 Kg.	1 Kg.	
		Eggs (గుడ్లు)	2 Nos.	2 Nos.	
9	Lion	Milk (పాలు)	500 ml.	500 ml.	Every Tuesday
		Beef (boneless) (ఎముకలులేనిగొడ్డుమాంసం)	5 Kgs.	5 Kgs.	
		Chicken (చికెన్)	2 Kgs.	2 Kgs.	
		Eggs (గుడ్లు)	2 Nos.	2 Nos.	

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
10	Asiatic Lion	Milk (పాలు)	500 ml.	500 ml.	Every Tuesday
		Beef (boneless) (ఎముకలులేనిగొడ్డుమాంసం)	3 Kgs.	3 Kgs.	
		Chicken (చికెన్)	1 Kgs.	1 Kgs.	
		Eggs (గుడ్లు)	2 Nos.	2 Nos.	
		Mutton (మటన్)	1.5 Kgs.	1.5 Kgs.	
11	Sloth Bear	Carrot (క్యారెట్)	250 Gms.	250 Gms.	
		Banana (అరటిపండ్లు)	800 Gms.	800 Gms.	
		Sweetlime (బత్తాయిలు)	500 Gms.	500 Gms.	
		Guava (జామపండ్లు)	100 Gms.	100 Gms.	
		Bread (బ్రెడ్)	500 Gms.	500 Gms.	
		Honey (తేనె)	50 Gms.	50 Gms.	
		Papaya (బొప్పాయి)	500 Gms.	500 Gms.	
		Tomato (టమోటా)	100 Gms.	100 Gms.	
		Jowar and Ragi mixture (2 : 1) (జొన్నమరియురాగిమిశ్రమం)(2:1)	1.5 Kgs.	1.5 Kgs.	
		Milk (పాలు)	1 Ltr.	1 Ltr.	
		Common Salt (ఉప్పు)	50 Gms.	50 Gms.	
		Pumpkin (గుమ్మడికాయ)	300 Gms.	300 Gms.	
		Watermelon (పుచ్చకాయ)	500 Gms.	500 Gms.	
		Cucumber (కీరకాయ)	500 Gms.	500 Gms.	
Boiled Egg (ఉడకబెట్టినగుడ్లు)	1 No.	1 No.			
12	Civet Cat	Mutton (మటన్)	100 Gms.	100 Gms.	
		Banana (అరటిపండ్లు)	100 Gms.	100 Gms.	
		Bread (బ్రెడ్)	50 Gms.	50 Gms.	
		Milk (పాలు)	200 ml.	200 ml.	
		Boiled Egg (ఉడకబెట్టినగుడ్లు)	1 No.	1 No.	
13	Palm Civet	Mutton (మటన్)	100 Gms.	100 Gms.	
		Banana (అరటిపండ్లు)	100 Gms.	100 Gms.	
		Bread (బ్రెడ్)	50 Gms.	50 Gms.	
		Milk (పాలు)	200 ml.	200 ml.	
		Boiled Egg (ఉడకబెట్టినగుడ్లు)	1 No.	1 No.	
14	Jungle Cat	Fish (చేపలు)	100 Gms.	100 Gms.	
		Mutton (మటన్)	100 Gms.	100 Gms.	

SI.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
15	Spotted deer	Carrot (క్యారెట్)	250 Gms.	250 Gms.	
		Banana (అరటిపండ్లు)	100 Gms.	100 Gms.	
		Veg Leaves (ఆకుకూరలు)	100 Gms.	100 Gms.	
		Beetroot (బీట్రూట్)	250 Gms.	250 Gms.	
		Cucumber (కీరకాయ)	100 Gms.	100 Gms.	
		Pumpkin (గుమ్మడికాయ)	100 Gms.	100 Gms.	
		Green grass (పచ్చగడ్డి)	5 Kgs.	5 Kgs.	
		Cattle feed (పశుదాణా)	500 Gms.	500 Gms.	
		Hay (ఎండుగడ్డి)	500 Gms.	500 Gms.	
		Soaked Greengrams (నానబెట్టినపెసలు)	50 Gms.	50 Gms.	
16	Thamin Deer	Green grass (పచ్చగడ్డి)	8 Kgs	8 Kgs	
		Cattle feed (పశుదాణా)	1 Kg.	1 Kg.	
		Soaked Greengrams (నానబెట్టినపెసలు)	100 Gms.	100 Gms.	
		Soaked Bengal grams (నానబెట్టినశనగలు)	100 Gms.	100 Gms.	
		Banana (అరటిపండ్లు)	500 Gms.	500 Gms.	
		Carrot (క్యారెట్)	160 Gms.	160 Gms.	
		Beetroot (బీట్రూట్)	160 Gms.	160 Gms.	
		Cucumber (కీరకాయ)	500 Gms.	500 Gms.	
		Watermelon (పుచ్చకాయ)	--	500 Gms.	
17	Chinkara	Green grass (పచ్చగడ్డి)	5 Kgs	5 Kgs	
		Banana (అరటిపండ్లు)	100 Gms.	100 Gms.	
		Veg Leaves (ఆకుకూరలు)	100 Gms.	100 Gms.	
		Carrot (క్యారెట్)	250 Gms.	250 Gms.	
		Beetroot (బీట్రూట్)	250 Gms.	250 Gms.	
		Cucumber (కీరకాయ)	100 Gms.	100 Gms.	
		Cattle feed (పశుదాణా)	500 Grms	500 Grms	
		Soaked Greengrams (నానబెట్టినపెసలు)	50 Gms.	50 Gms.	
		Soaked Bengal grams (నానబెట్టినశనగలు)	50 Gms.	50 Gms.	

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
18	Black Buck	Carrot (క్యారెట్)	250 Gms.	250 Gms.	
		Banana (అరటిపండ్లు)	100 Gms.	100 Gms.	
		Veg Leaves (ఆకుకూరలు)	100 Gms.	100 Gms.	
		Beetroot (బీట్రూట్)	250 Gms.	250 Gms.	
		Cucumber (కీరకాయ)	100 Gms.	100 Gms.	
		Pumpkin (గుమ్మడికాయ)	100 Gms.	100 Gms.	
		Green grass (పచ్చగడ్డి)	5 Kgs.	5 Kgs.	
		Cattle feed (పశుదాణా)	500 Gms.	500 Gms.	
		Hay (ఎండుగడ్డి)	500 Gms.	500 Gms.	
		Soaked Greengrams (నానబెట్టినపెసలు)	50 Gms.	50 Gms.	
19	Chowsingha	Carrot (క్యారెట్)	250 Gms.	250 Gms.	
		Banana (అరటిపండ్లు)	100 Gms.	100 Gms.	
		Veg Leaves (ఆకుకూరలు)	100 Gms.	100 Gms.	
		Beetroot (బీట్రూట్)	250 Gms.	250 Gms.	
		Green grass (పచ్చగడ్డి)	6 Kgs.	6 Kgs.	
		Cattle feed (పశుదాణా)	500 Gms.	500 Gms.	
		Soaked Greengrams (నానబెట్టినపెసలు)	50 Gms.	50 Gms.	
20	Sambar	Carrot (క్యారెట్)	250 Gms.	250 Gms.	
		Banana (అరటిపండ్లు)	200 Gms.	200 Gms.	
		Beetroot (బీట్రూట్)	250 Gms.	250 Gms.	
		Cucumber (కీరకాయ)	200 Gms.	200 Gms.	
		Pumpkin (గుమ్మడికాయ)	200 Gms.	200 Gms.	
		Green grass (పచ్చగడ్డి)	10 Kgs.	10 Kgs.	
		Cattle feed (పశుదాణా)	1 Kgs.	1 Kgs.	
		Hay (ఎండుగడ్డి)	500 Gms.	500 Gms.	
		Soaked Greengrams (నానబెట్టినపెసలు)	100 Gms.	100 Gms.	
21	Nilgai	Carrot (క్యారెట్)	250 Gms.	250 Gms.	
		Banana (అరటిపండ్లు)	200 Gms.	200 Gms.	
		Beetroot (బీట్రూట్)	250 Gms.	250 Gms.	
		Cucumber (కీరకాయ)	200 Gms.	200 Gms.	
		Pumpkin (గుమ్మడికాయ)	200 Gms.	200 Gms.	
		Green grass (పచ్చగడ్డి)	10 Kgs.	10 Kgs.	
		Cattle feed (పశుదాణా)	1 Kg.	1 Kg.	
		Hay (ఎండుగడ్డి)	500 Gms.	500 Gms.	
		Soaked Greengrams (నానబెట్టినపెసలు)	100 Gms.	100 Gms.	

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
22	Barking Deer	Carrot (క్యారెట్)	250 Gms.	250 Gms.	
		Banana (అరటిపండ్లు)	100 Gms.	100 Gms.	
		Veg Leaves (ఆకుకూరలు)	250 Gms.	250 Gms.	
		Groundnut Oil Cake (వేరుశనగచమురుకేక్)	50 Gms.	50 Gms.	
		Cucumber (కీరకాయ)	100 Gms.	100 Gms.	
		Green grass (పచ్చగడ్డి)	3 Kgs.	3 Kgs.	
		Cattle feed (పశుదాణా)	500 Gms.	500 Gms.	
		Wheat Bran (గోధుమపొట్టు)	500 Gms.	500 Gms.	
		Soaked Greengrams (నానబెట్టినపెసలు)	50 Gms.	50 Gms.	
23	Hog Deer	Carrot (క్యారెట్)	250 Gms.	250 Gms.	
		Banana (అరటిపండ్లు)	100 Gms.	100 Gms.	
		Veg Leaves (ఆకుకూరలు)	250 Gms.	250 Gms.	
		Groundnut Oil Cake (వేరుశనగచమురుకేక్)	100 Gms.	100 Gms.	
		Cucumber (కీరకాయ)	100 Gms.	100 Gms.	
		Green grass (పచ్చగడ్డి)	6 Kgs.	6 Kgs.	
		Cattle feed (పశుదాణా)	500 Gms.	500 Gms.	
		Wheat Bran (గోధుమపొట్టు)	500 Gms.	500 Gms.	
		Soaked Greengrams (నానబెట్టినపెసలు)	100 Gms.	100 Gms.	
		Hay (ఎండుగడ్డి)	100 Gms.	100 Gms.	
24	Swamp Deer	Carrot (క్యారెట్)	160 Gms.	160 Gms.	
		Banana (అరటిపండ్లు)	500 Gms.	500 Gms.	
		Cucumber (కీరకాయ)	100 Gms.	100 Gms.	
		Beetroot (బీటూట్)	160 Gms.	160 Gms.	
		Potato (బంగాళాదుంప)	160 Gms.	160 Gms.	
		Green grass (పచ్చగడ్డి)	8 Kgs.	8 Kgs.	
		Cattle feed (పశుదాణా)	1 Kg.	1 Kg.	
		Soaked Greengrams (నానబెట్టినపెసలు)	100 Gms.	100 Gms.	
Hay (ఎండుగడ్డి)	500 Gms.	500 Gms.			
27	Indian Gaur	Carrot (క్యారెట్)	500 Gms.	500 Gms.	
		Banana (అరటిపండ్లు)	1 Kg.	1 Kg.	
		Veg Leaves (ఆకుకూరలు)	500 Gms.	500 Gms.	
		Beetroot (బీటూట్)	500 Gms.	500 Gms.	
		Cucumber (కీరకాయ)	1 Kg.	1 Kg.	
		Pumpkin (గుమ్మడికాయ)	1 Kg.	1 Kg.	
		Green grass (పచ్చగడ్డి)	25 Kgs.	25 Kgs.	
		Cattle feed (పశుదాణా)	2.5 Kgs.	2.5 Kgs.	
		Hay (ఎండుగడ్డి)	5 Kgs.	5 Kgs.	
		Soaked Greengrams (నానబెట్టినపెసలు)	500 Gms.	500 Gms.	
Soaked Bengal grams (నానబెట్టినశనగలు)	500 Gms.	500 Gms.			

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
28	Wild Boar	Carrot (క్యారెట్)	500 Gms.	500 Gms.	
		Potato (బంగాళాదుంప)	500 Gms.	500 Gms.	
		Veg Leaves (ఆకుకూరలు)	500 Gms.	500 Gms.	
		Beetroot (బీట్రూట్)	50 Gms.	50 Gms.	
		Cucumber (కీరకాయ)	500 Gms.	500 Gms.	
		Pumpkin (గుమ్మడికాయ)	500 Gms.	500 Gms.	
		Green grass (పచ్చగడ్డి)	1 Kg.	1 Kg.	
		Common Salt (ఉప్పు)	10 Gms.	10 Gms.	
		Jowar and Ragi mixture (2 : 1) (జొన్న మరియు రాగి మిశ్రమం) (2 : 1)	1.5 Kgs.	1.5 Kgs.	
		Soaked Bengal grams (నానబెట్టిన శనగలు)	200 Gms.	200 Gms.	
		29	Porcupine	Carrot (క్యారెట్)	25 Gms.
Banana (అరటిపండ్లు)	50 Gms.			50 Gms.	
Potato (బంగాళాదుంప)	50 Gms.			50 Gms.	
Veg Leaves (ఆకుకూరలు)	25 Gms.			25 Gms.	
Cabbage (క్యాబేజీ)	50 Gms.			50 Gms.	
Beetroot (బీట్రూట్)	25 Gms.			25 Gms.	
Guava (జామపండ్లు)	50 Gms.			50 Gms.	
Cucumber (కీరకాయ)	100 Gms.			100 Gms.	
Soaked Bengal grams (నానబెట్టిన శనగలు)	50 Gms.			50 Gms.	
30	Elephant	Beetroot (బీట్రూట్)	2 Kgs.	2 Kgs.	
		Banana (అరటిపండ్లు)	3 Kgs.	3 Kgs.	
		Coconuts (కొబ్బరికాయ)	2 Nos.	2 Nos.	
		Banana Stem (అరటికాండము)	10 Kgs.	10 Kgs.	
		Sugarcane (చెరుకుగడ్డ)	10 Kgs.	10 Kgs.	
		Maize Grass (మొక్కజొన్నగడ్డి)	50 Kgs.	50 Kgs.	
		Common Salt (ఉప్పు)	75 Gms.	75 Gms.	
		Ragi, Rice & Horsegram balls (రాగి, బియ్యము మరియు ఉలవలు)	4 Kgs.	4 Kgs.	
		Jaggery (బెల్లం)	200 Gms.	200 Gms.	
		Green grass (పచ్చగడ్డి)	100 Kgs.	100 Kgs.	
31	Olive Baboon	Carrot (క్యారెట్)	50 Gms.	50 Gms.	
		Banana (అరటిపండ్లు)	400 Gms.	400 Gms.	
		Sweetlime (బత్తాయిలు)	100 Gms.	100 Gms.	
		Veg Leaves (ఆకుకూరలు)	50 Gms.	50 Gms.	
		Guava (జామపండ్లు)	200 Gms.	200 Gms.	
		Bread (బ్రెడ్)	50 Gms.	50 Gms.	
		Groundnut (వేరుశనగ)	50 Gms.	50 Gms.	
		Cabbage (క్యాబేజీ)	25 Gms.	25 Gms.	
		Milk (పాలు)	500 ml.	500 ml.	
		Soaked Bengal grams (నానబెట్టిన శనగలు)	100 Gms.	100 Gms.	

		Boiled Eggs (ఉడకబెట్టినగుడ్డు)	1 No.	1 No.	
--	--	--------------------------------	-------	-------	--

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
32	Hamadrayas Baboon	Carrot (క్యారెట్)	250 Gms.	250 Gms.	
		Banana (అరటిపండ్లు)	400 Gms.	400 Gms.	
		Beetroot (బీట్రూట్)	50 Gms.	50 Gms.	
		Onions (ఉల్లిపాయలు)	50 Gms.	50 Gms.	
		Potato (బంగాళాదుంప)	100 Gms.	100 Gms.	
		Apple (యాపిల్ పండు)	100 Gms.	100 Gms.	
		Grapes (దాక్ష)	50 Gms.	50 Gms.	
		Papaya (బొప్పాయి)	100 Gms.	100 Gms.	
		Guava (జామపండ్లు)	100 Gms.	100 Gms.	
		Bread (బ్రెడ్)	50 Gms.	50 Gms.	
		Cucumber (కీరకాయ)	100 Gms.	100 Gms.	
		Tomato (టమోటా)	50 Gms.	50 Gms.	
		Cauliflower (కాల్ ఫ్లవర్)	100 Gms.	100 Gms.	
		Radish (ముల్లంగి)	100 Gms.	100 Gms.	
		Cabbage (క్యాబేజీ)	200 Gms.	200 Gms.	
		Soaked Bengal grams (నానబెట్టినశనగలు)	100 Gms.	100 Gms.	
		Boiled Eggs (Tuesday, Friday & Sunday only) (ఉడకబెట్టినగుడ్డు) (మంగళ, శుక్ర & ఆదివారాలు మాత్రమే)	1 No.	1 No.	
		Chicken (Tuesday only) (చికెన్) (మంగళవారం మాత్రమే)	500 Gms.	500 Gms.	
33	Rhesus Macaque	Carrot (క్యారెట్)	50 Gms.	50 Gms.	
		Banana (అరటిపండ్లు)	400 Gms.	400 Gms.	
		Sweetlime (బత్తాయిలు)	100 Gms.	100 Gms.	
		Veg Leaves (ఆకుకూరలు)	100 Gms.	100 Gms.	
		Groundnut (వేరుశనగ)	50 Gms.	50 Gms.	
		Papaya (బొప్పాయి)	200 Gms.	200 Gms.	
		Guava (జామపండ్లు)	200 Gms.	200 Gms.	
		Bread (బ్రెడ్)	50 Gms.	50 Gms.	
		Cabbage (క్యాబేజీ)	50 Gms.	50 Gms.	
		Soaked Bengal grams (నానబెట్టినశనగలు)	75 Gms.	75 Gms.	
		Boiled Egg (ఉడకబెట్టినగుడ్డు)	1 No.	1 No.	
34	Common Langur	Carrot (క్యారెట్)	50 Gms.	50 Gms.	
		Banana (అరటిపండ్లు)	400 Gms.	400 Gms.	
		Sweetlime (బత్తాయిలు)	100 Gms.	100 Gms.	
		Veg Leaves (ఆకుకూరలు)	100 Gms.	100 Gms.	
		Groundnut (వేరుశనగ)	50 Gms.	50 Gms.	
		Papaya (బొప్పాయి)	200 Gms.	200 Gms.	
		Guava (జామపండ్లు)	200 Gms.	200 Gms.	
		Bread (బ్రెడ్)	50 Gms.	50 Gms.	
		Cabbage (క్యాబేజీ)	50 Gms.	50 Gms.	
		Soaked Bengal grams (నానబెట్టినశనగలు)	75 Gms.	75 Gms.	

		Boiled Egg (ఉడకబెట్టినగుడ్లు)	1 No.	1 No.	
--	--	-------------------------------	-------	-------	--

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
35	Mandrill	Carrot (క్యారెట్)	250 Gms.	250 Gms.	
		Banana (అరటిపండ్లు)	200 Gms.	200 Gms.	
		Sweetlime (బత్తాయిలు)	100 Gms.	100 Gms.	
		Veg Leaves (ఆకుకూరలు)	100 Gms.	100 Gms.	
		Groundnut (వేరుశనగ)	50 Gms.	50 Gms.	
		Grapes (దాక్ష)	50 Gms.	50 Gms.	
		Milk (పాలు)	500 Gms.	500 Gms.	
		Apple (యాపిల్పండ్లు)	100 Gms.	100 Gms.	
		Papaya (బొప్పాయి)	500 Gms.	500 Gms.	
		Guava (జామపండ్లు)	100 Gms.	100 Gms.	
		Bread (బ్రెడ్)	50 Gms.	50 Gms.	
		Cabbage (క్యాబేజీ)	50 Gms.	50 Gms.	
		Soaked Bengal grams (నానబెట్టినశనగలు)	100 Gms.	100 Gms.	
		Boiled Eggs (ఉడకబెట్టినగుడ్లు)	2 Nos.	2 Nos.	
36	Indian Rock Python	Live Bird (Once a week) (బ్రతికుండేపక్షి) (వారానికిఒక్కసారి)	500 Gms.	500 Gms.	
37	Star Tortoise	Carrot (క్యారెట్)	10 Gms.	10 Gms.	
		Veg Leaves (ఆకుకూరలు)	10 Gms.	10 Gms.	
		Papaya (బొప్పాయి)	10 Gms.	10 Gms.	
		Soaked Bengal grams (నానబెట్టినశనగలు)	10 Gms.	10 Gms.	
38	Mugger Crocodile	Dead Fish (చనిపోయినచేపలు)	250 Gms.	250 Gms.	
39	Salt Water Crocodile	Beef (With bone) (గొడ్డుమాంసముఎముకులతో)	1.5 Kgs.	1.5 Kgs.	Every Tuesday
40	Gharial Crocodile	Live Fish (బ్రతికుండేచేపలు)	1 Kg.	1 Kg.	
41	Emu Bird	Carrot (క్యారెట్)	200 Gms.	200 Gms.	
		Banana (అరటిపండ్లు)	200 Gms.	200 Gms.	
		Wheat Bran (గోధుమపొట్టు)	50 Gms.	50 Gms.	
		Wheat (గోధుమలు)	100 Gms.	100 Gms.	
		Jowar ((జొన్న)	100 Gms.	100 Gms.	
		Maize (మొక్కజొన్న)	100 Gms.	100 Gms.	
		Veg Leaves (ఆకుకూరలు)	200 Gms.	200 Gms.	
		Papaya (బొప్పాయి)	100 Gms.	100 Gms.	
		Cabbage (క్యాబేజీ)	50 Gms.	50 Gms.	
		Soaked Bengal grams (నానబెట్టినశనగలు)	100 Gms.	100 Gms.	
42	White Peafowl	Carrot (క్యారెట్)	50 Gms.	50 Gms.	
		Onions (ఉల్లిపాయలు)	100 Gms.	100 Gms.	
		Garlic (వెల్లుల్లి)	5 Gms.	5 Gms.	
		Poultry feed (ప్రాల్టిఫీడ్)	120 Gms.	120 Gms.	
		Veg Leaves (ఆకుకూరలు)	150 Gms.	150 Gms.	

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
43	Indian Peafowl	Carrot (క్యారెట్)	50 Gms.	50 Gms.	
		Onions (ఉల్లిపాయలు)	100 Gms.	100 Gms.	
		Garlic (వెల్లుల్లి)	5 Gms.	5 Gms.	
		Poultry feed (ప్రాల్టిఫీడ్)	120 Gms.	120 Gms.	
		Veg Leaves (ఆకుకూరలు)	150 Gms.	150 Gms.	
44	Pheasant Aviary	Carrot (క్యారెట్)	50 Gms.	50 Gms.	
		Onions (ఉల్లిపాయలు)	100 Gms.	100 Gms.	
		Poultry feed (ప్రాల్టిఫీడ్)	300 Gms.	300 Gms.	
		Veg Leaves (ఆకుకూరలు)	150 Gms.	150 Gms.	
45	Grey Jungle Fowl	Carrot (క్యారెట్)	50 Gms.	50 Gms.	
		Onions (ఉల్లిపాయలు)	20 Gms.	20 Gms.	
		Poultry feed (ప్రాల్టిఫీడ్)	300 Gms.	300 Gms.	
		Veg Leaves (ఆకుకూరలు)	150 Gms.	150 Gms.	
		Capsicum (క్యాప్సికం)	20 Gms.	20 Gms.	
46	Parrots	Veg Leaves (ఆకుకూరలు)	30 Gms.	30 Gms.	
		Carrot (క్యారెట్)	15 Gms.	15 Gms.	
		Green Chillies (పచ్చిమిర్చి)	10 Gms.	10 Gms.	
		Papaya (బొప్పాయి)	15 Gms.	15 Gms.	
		Beetroot (బీట్రూట్)	15 Gms.	15 Gms.	
		Onions (ఉల్లిపాయలు)	20 Gms.	20 Gms.	
		Beans (బీన్స్)	10 Gms.	10 Gms.	
		Banana (అరటిపండ్లు)	15 Gms.	15 Gms.	
		Capsicum (క్యాప్సికం)	20 Gms.	20 Gms.	
		Orange (నారింజ)	10 Gms.	10 Gms.	
		Guava (జామపండ్లు)	20 Gms.	20 Gms.	
		Apple (యాపిల్పండు)	10 Gms.	10 Gms.	
		Watermelon (పుచ్చకాయ)	20 Gms.	20 Gms.	
		Paddy (వడ్లు)	50 Gms.	50 Gms.	
Sunflower Seeds (పొద్దుతిరుగుడువిత్తనాలు)	20 Gms.	20 Gms.			

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
47	Parakeets	Veg Leaves (ఆకుకూరలు)	15 Gms.	15 Gms.	
		Carrot (క్యారెట్)	7 Gms.	7 Gms.	
		Green Chillies (పచ్చిమిర్చి)	5 Gms.	5 Gms.	
		Papaya (బొప్పాయి)	7 Gms.	7 Gms.	
		Beetroot (బీట్రూట్)	7 Gms.	7 Gms.	
		Onions (ఉల్లిపాయలు)	10 Gms.	10 Gms.	
		Beans (బీన్స్)	5 Gms.	5 Gms.	
		Banana (అరటిపండు)	7 Gms.	7 Gms.	
		Capsicum (క్యాప్సికం)	10 Gms.	10 Gms.	
		Orange (నారింజ)	10 Gms.	10 Gms.	
		Guava (జామపండు)	10 Gms.	10 Gms.	
		Apple (యాపిల్పండు)	5 Gms.	5 Gms.	
		Watermelon (పుచ్చకాయ)	10 Gms.	10 Gms.	
		Paddy (వడ్లు)	25 Gms.	25 Gms.	
Sunflower Seeds (పొద్దుతిరుగుడువిత్తనాలు)	10 Gms.	10 Gms.			
48	Black Swan	Duck Mixture, Wheat (గోధుమలు), Maize (మొక్కజొన్న), Wheat Bran (గోధుమపొట్టు), Fish (చేపలు), Mineral Mixture, Paddy (వడ్లు), Sunflower Seeds (పొద్దుతిరుగుడువిత్తనాలు)	250 Grms	250 Grms	
		Veg Leaves (ఆకుకూరలు)	100 Grms	100 Grms	
49	Ostrich	Ostrich feed (ఉష్ణపక్షి ఆహారం)	3 Kgs.	3 Kgs.	
		Veg Leaves (ఆకుకూరలు)	100 Gms.	100 Gms.	
		Banana (అరటిపండ్లు)	500 Gms.	500 Gms.	
		Coriander Leaves (కొత్తిమీర)	100 Gms.	100 Gms.	
		Soaked Green grams (నానబెట్టినపెసలు)	100 Gms.	100 Gms.	
		Cucumber (కీరకాయ)	200 Gms.	200 Gms.	
		Boiled Eggs (ఉడకబెట్టినగుడ్లు)	4 Nos.	4 Nos.	
		Carrot (క్యారెట్)	1 Kg.	1 Kg.	
50	Rosy pelican	Fish (చేపలు)	1 Kg.	1 Kg.	
51	Demoiselle Crane	Bajra	100 Gms.	100 Gms.	
		Rice (బియ్యము)	100 Gms.	100 Gms.	
		Ragi (రాగులు)	100 Gms.	100 Gms.	
		Millets (చిరుధాన్యాలు)	100 Gms.	100 Gms.	
52	Night Heron	Small Fish (చిన్నచేపలు)	50 Gms.	50 Gms.	
53	Zebra Finch	Millets (చిరుధాన్యాలు)	5 Gms.	5 Gms.	
		Oats (ఒట్స్)	5 Gms.	5 Gms.	

		Coriander Leaves (కొత్తిమీర)	Few	Few	
--	--	------------------------------	-----	-----	--

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
54	Green Winged macaw	Grapes (దాక్ష)	100 Grms	100 Grms	
		Wall nut (వొల్నట్)	2 Nos.	2 Nos.	
		Badam (బాదాం)	2 Nos.	2 Nos.	
		Sunflower Seeds (పొద్దుతిరుగుడువిత్తనాలు)	50 Grms	50 Grms	
		Red Chilli (పండుమెరపకాయలు)	10 Grms	10 Grms	

14. Vaccination Schedule of animals

Sl.No	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
1	Large Carnivores	Trypanosomiasis	Triquin – 3ml	Once in 6 months	June-20 Dec-20
2	Large Carnivores	Combined feline calicivirus, feline rhinotracheitis virus and feline panleucopenia	Fel 'O' VAX – 1 Dose	Once in a year	April-20
3	Lesser Carnivores	Rabies	Anti Rabies – 1 Dose	Once in a Year	April-20
4	Lesser Carnivores	Canine distemper virus, Hepatitis, Parvo virus, Para influenza, Leptospirosis	D.H.P.Pi.+L – 1 Dose	Once in a Year	April-20
5	Birds	Rani khet disease	Lasota Strain – 1 Dose/Bird	Once in a Year	April-20

15. De-worming Schedule of animals

Sl.No.	Species	Drug used	Month
1	Elephants, Wild Boars, Reptiles, Carnivores, Sloth Bears, Birds	Albendazole, Fenbendazole, Iver mectin, Levamisole, Praziquintal, Dectomax	April, 2020
2	Birds		May, 2020
3	Herbivores, Carnivores, Sloth Bears, Primates, Birds		June, 2020
4	Wild Boars Reptiles& Birds		July, 2020
5	Wild Boars, Reptiles, Birds		August, 2020
6	Large and Lesser Carnivores, Sloth Bears, Birds		September, 2020
7	Elephants, Wild Boars, Reptiles, Carnivores, Sloth Bears, Birds		October, 2020
8	Birds		November, 2020
9	Herbivores, Carnivores, Sloth Bears, Primates, Birds		December, 2020
10	1.Wild Boars 2.Reptiles 3. Birds		January, 2021
11	1. Carnivores 2. Sloth Bears 3. Birds		February, 2021
12	1. Herbivores 2. Primates 3. Birds		March, 2021

16. Disinfection Schedule

Sl. No	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Spotted Deer, Muntjac (Barking Deer), Hog Deer, Nilgai, Bison, Black Buck, Sambar, Chowsingha, Chinkara, Thamin Deer, Swamp Deer	Open enclosure	Kohrsolin Spray + Butox for Spraying	Once in 3 months
			Asiphor, microlyse for night kraal cleaning and Phenyl for corridor disinfection	Daily
			Potassium Permanganate – Foot bath	Daily
2	Mouse Deer	Closed enclosure	Lime Powder, Bleaching Powder for spraying in and around the paddock and surroundings	Once in 3 months
3	Lions, Wild Dogs, Wolf, Jackals, White Tigers, Sloth Bears, Wild Boars, Porcupine, Primates, Elephants, All Turtles, Elephants,	Open enclosure	Virkon Spray as general disinfectant	Whenever needed
4	Tiger, Jaguar, Python, Water Birds, All other aviaries, Star Tortoise, Emu	Closed enclosure		

17. Health Check-up of employees for zoonotic diseases

Health check up of employees for zoonotic diseases during 2019-20 was done in the zoo campus. A medical camp was organised in the zoo with the co-ordination of District administration wherein, all the zoo employees were tested for COVID-19.

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

Sl.No	Name of the Work
1	Renovation of collapsed Moat Wall at Swamp Deer enclosure in SVZP, Tirupati during 2020-21
2	Repairs and maintenance of Hyena moat portion in SVZP, Tirupati during 2020-21.
3	Providing chainlink fencing for Lion Moat in SVZP, Tirupati during 2020-21
4	Repairs and maintenance of parrot world & Pheasantry in SVZP, Tirupati 2020-21.
5	Reconstruction of collapsed Compound wall on western side of the zoo SVZP, Tirupati 2020-21.
6	Improvement and maintenance of Fodder Plot in SVZP, Tirupati 2020-21.
7	Repairs and maintenance of Office of the Curator
8	Providing Khus Khus Mats, Cool home painting on enclosure Roof, Green Shade Nets, Sprinklers, Foggers, Pipeline and water supply etc.)in SVZP, Tirupati during 2020-21
9	Procurement of Veterinary Medicines, Tools, Equipment and Miscellaneous Items for animal care and rescue operations, in SVZP, Tirupati during 2020-21.
10	Procurement of Tranquilizing equipments (Disinject gas syringes, Injection needles, Dan-inject collars for needles, Tail piece for syringes etc.)in SVZP, Tirupati during 2020-21.
11	Providing interpretation/signages / distance signages / publicity / display boards for publicity and awareness creation at various locations within and outside the Zoo Park. Printing of brochures. in SVZP, Tirupati during 2020-21.
12	Fixing of new pipelines at various locations in the zoo premises, Repairs & replacement to existing water pipelines in the zoo premises as and when needed, supply of water to free ranging animals, creation and maintenance of saucer pits etc.in SVZP, Tirupati during 2020-21
13	Repairs, Maintenance & propulsion charges of 11 Government Vehicles (including feed distribution vehicle, Tractor, Rescue Van) in SVZP, Tirupati during 2020-21.
14	Maintenance of Zoo School, Zoo Inn, Curator Residential quarter, Quarantine & Sanjeevani, Veterinary Hospital etc. in SVZP, Tirupati during 2020-21.
15	Procurement & Maintenance of CCTV Cameras, Laying of cable, Search Lights etc

19. Education and Awareness programmes during the year

S.VZoological Park, Tirupati has temporarily closed to visitors from 20.03.2020 to 15.11.2021. Hence, in order to bridge the gap and ensure continuous contact with the public, various virtual awareness programmes and competitions were conducted for school children.

i) World Environment Day

World Environment Day was celebrated on 05.06.2020, and Online Drawing competition was conducted on the theme “**Animal Biodiversity**”.

ii) International Tiger Day:

The Tiger Day was celebrated in the Zoo Park on 29.07.2020, by conducting online Quiz and Painting competitions.

iii) World Lion Day:

The Lion Day was celebrated in the Zoo Park on 10.08.2020 and Online drawing competition was conducted.

iv) World Elephant Day:

World Elephant Day was celebrated on 12.08.2020. by conducting Online drawing competition.

v) 66th VanyapraniSaptah:

66thVanyapraniSaptah, 2020’ was celebrated from 2nd to 8th October, 2020. To creat awareness among school children, various competitions like online quiz, painting, poster marking were conducted.

All the participants have been issued participation certificates and the winner have been appreciated with attractive prize and appreciation certificates.

vi) Forest Martyrs Day:-

National Forest Martyrs Day was celebrated on 11.09.2020 and paid tributes to the Forest Martyrs at the Martyrs at the Martyrs pylon.

vii) World Wildlife Day:

World Wildlife Day was conducted in S V Zoological Park, Tirupati on 03.03.2021. On this day a quiz competition was conducted to the visitors on the theme: **Forests & Livelihood: Sustaining people and planet.**

viii) World Sparrow Day:

The Sparrow Day was conducted in S V Zoological Park, Tirupati on 20.03.2021. Awareness programmes including competitions in Painting, Poster making, Essay writing and Elocution competitions were conducted prizes were distributed to the school children at S.V. Zoo Park in collaboration with Ms.Rajashekar Bandi, Citizen Science Coordinator, IISER, Tirupati.

20. Important Events and happenings

1	05.06.2020	:	World Environment Day was celebrated.
2	04.07.2020	:	Sri Vijay Sai Reddy, M.P., Chevireddy Bhaskar Reddy, M.L.A., and Tirupati Urban S.P. Ramesh Reddy has visited S.V.Zoological Park, Tirupati.
3	22.07.2020	:	Conducted Vanam Manam programme in the Zoo premises and planted 200 No. of plants with species like Neem, Ficus, Neredu.
4	29.07.2020	:	Global Tiger Day was celebrated in S.V. Zoological Park, Tirupati
5	10.08.2020	:	World Lion Day was celebrated in S.V. Zoological Park, Tirupati
6	12.08.2020	:	World Elephant Day was celebrated in S.V. Zoological Park, Tirupati
7	02.10.2020 to 08.10.2020	:	66 th Vanyaprani Saptah was celebrated in S.V.Zoological Park, Tirupati
8	15.10.2020	:	Dr. B.M.K.Reddy, Chairman A.P., State Bio Diversity Board, Guntur, visited S.V.Zoological Park, Tirupati.
9	10.11.2020	:	Forest Martyrs Day was celebrated in S.V.Zoological Park, Tirupati
10	12.01.2021	:	Work shop on snake rescue and release programme conducted in S.V.Zoological Park, Tirupati.
11	17.01.2021	:	Sri Peddireddy Ramachandra Reddy, M.P. has visited S.V.Zoological Park, Tirupati.
12	02.02.2021	:	Awareness programme on Bird flu conducted by Deputy Director, Animal Husbandary in S.V.Zoological Park, Tirupati.
13	03.03.2021	:	World Wildlife Day was celebrated in S V Zoological Park, Tirupati
14	12.03.2021	:	69 Forest Range Officer trainees visited S.V.Zoological Park, Tirupati.
15	20.03.2021	:	World Sparrow Day was celebrated in S V Zoological Park, Tirupati

21. Seasonal special arrangements for upkeep of animals

Summer Measures:

- Shower and water pond provided to Elephants
- Sprinklers provided in all Carnivore enclosures
- Sprinklers and foggers provided in bird aviaries
- Providing cooling effect by fixing of Khuskhus mats and sprinkling water during the hot hours of the day in all enclosures to reduce the effect of high temperatures.
- Providing green shade net for all carnivore enclosures to minimise the effects of heat.
- Providing green shade net covered with thatches to Parrot World and Pheasantry.
- Providing green shade net for bird aviaries to minimise the effects of heat.

- Painting cool home on top of all the night houses to minimise the effect of heat.
- Providing air coolers, exhaust fans and wall fans to minimise the effects of heat.
- Wetting the sand and operating sprinklers during the hot hours of the day in the shade shelters for the safari animals.
- Providing thatches covered with coconut leaf in the display areas to provide shade to the animals.
- Providing water mixed with glucose in the display areas to avoid dehydration of animals.
- Modification in diet of the animals by including fruits like Watermelon, Cucumber, Muskmelon etc.,
- Providing glucose, mineral mixture, electrolyte etc., along with water
- Providing Salt licks to herbivores.

Winter Management

- Hot air blowers are provided in some night houses for old, diseased and young animals based on need to overcome the effects of cool temperatures, especially during nights.
- Night house provided with roofed shelters and dry paddy straw to provide warmth to the animals and to avoid occurrence of diseases like pneumonia.
- Taking suitable prophylactic measures to avoid occurrence of epidemics.

22. Research Work carried out and publications

23. Conservation Breeding Programme of the Zoo

The Conservation Breeding Centre for Grey Jungle Fowl was established with the support of Central Zoo Authority, Government of India. The construction of Conservation Breeding Centre for Grey Jungle Fowl was started in the off-display area opposite to the fodder plot, as approved in the master (layout) plan.

Eight blocks of aviaries of size 13.8 mts x 6.1 mts, each block with three cubicles of size 4.6 mts x 6.1 mts each were established with rodent proof flooring. The height of the aviaries is 2.5 mts and 2.2 mts on front and rear sides respectively. The

aviaries were covered with brick wall (9 inch thick) on the rear side, and the other three sides with 16 gauge GI chain link mesh of size ½ x ½ inch.

The Conservation Breeding programme was started on 21.03.2014 with 33 Grey Jungle Fowl which were identified and maintained in the zoo as founder population, for which genetic purity was tested by LaCONES, Hyderabad. Another 8 Nos. new pens were constructed during the year 2017-18. The conservation breeding programme is under progress and the total population at present is around (Male-31, Female-31,) by the end of the financial year 2020-21.

24. Animal acquisition / transfer / exchange during the year

A. Animals arriving in the Zoo				
SI.NO.	Species	Number (M:F)	From which Zoo	Date of arrival in the zoo
	NIL			

B. Animals going from the zoo				
SI.NO.	Species	Number (M:F)	Going to which Zoo	Date of deposition from the zoo
	NIL			

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

Sl. No	Date of Rescue	Species with number of animals rescued with their sex (M:F:U)	Received from	Action taken	
				Date and Place of rehabilitation in their habitat	Reasons for housing in the zoo, if not released in their habitat
1	16.08.2020	Spotted deer 0:1:0	TTD Forest, Tirupati	17.08.2020	Released in S V National Park, Tirupati
2	22.08.2020	Spotted deer 1:0:0	TTD Forest, Tirupati	24.08.2020	Released in S V National Park, Tirupati.

26. ANNUAL INVENTORY REPORT FOR 2019 - 20
SCH - I & SCH - II WILDLIFE PROTECTION ACT- 1972

C.Z.A. File No. 18 - 1/2008 - CZA (M) dt:25.03.2008.

Name of the Zoo :Sri Venkateswara Zoological Park, Tirupati

Sl. No.	Species	Stock as on 01.04.2020				During the year												Stock as on 31.03.2021				
						Births			Acquisition			Disposals			Deaths							
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
	<u>BIRDS</u>																					
1	INDIAN PEAFOWL (<i>Pavo cristatus</i>)	3	6	3	12	-	-	-	-	-	-	-	-	-	-	-	-	-	3	6	3	12
2	WHITE PEAFOWL (<i>Pavo cristatus</i>)	3	3	0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	0	6
3	GREY JUNGLE FOWL (<i>Gallus sonneratai</i>)	2	3	0	5	-	-	-	-	-	-	-	-	-	1	-	-	1	3	0	4	
4	KHALEEJ PHEASANT (<i>Lphura leucomelanos</i>)	1	0	0	1	-	-	-	-	-	-	-	-	-	-	-	-	1	0	0	1	
5	SPOONBILL (<i>Platalea leucorodia</i>)	0	0	1	1	-	-	-	-	-	-	-	-	-	-	-	1	0	0	0	0	
	Total Birds:-	9	12	4	25	-	-	-	-	-	-	-	-	-	1	-	-	8	12	3	23	
	<u>MAMMALS</u>																					
1	BLACK BUCK - (KRISHNA MRUG) (<i>Antilope cervicapra</i>)	37	35	0	72	-	-	7	-	-	-	-	-	-	-	3	-	37	32	7	76	

Sl. No.	Species	Stock as on 01.04.2020				During the year												Stock as on 31.03.2021				
						Births			Acquisition			Disposals			Deaths							
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
	<u>MAMMALS</u>																					
2	FOUR - HORNED ANTELOPE	5	4	0	9	-	-	-	-	-	-	-	-	-	-	-	1	-	5	3	0	8
3	ASIAN ELEPHANT (<i>Elephas maximus</i>)	3	3	0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	0	6
4	JACKAL (<i>Canis aureus</i>)	5	6	0	11	-	-	-	-	-	-	-	-	-	-	-	1	-	5	5	0	10
5	LEOPARD or PANTHER (<i>Panthera pardus</i>)	4	3	0	7	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3	0	7
6	ASIATIC LION (<i>Panthera leo</i>)	1	1	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0	2
7	LION (<i>Panthera leo</i>)	8	6	0	14	-	-	-	-	-	-	-	-	-	-	-	-	-	8	6	0	14
8	SLOTH BEAR (<i>Melursus ursinus</i>)	3	4	0	7	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4	0	7
9	BENGAL TIGER (<i>Panthera tigris</i>)	2	2	0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	0	4
10	WHITE TIGER (<i>Panthera tigris</i>)	5	7	0	12	-	-	-	-	-	-	-	-	-	2	-	-	-	3	7	0	10
11	RHESUS MACAQUE (<i>Macaca mulatta</i>)	8	7	0	15	-	-	2	-	-	-	-	-	-	-	-	-	-	8	7	2	17
12	COMMON LANGUR (<i>Presbytis entellus</i>)	4	1	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1	0	5

Sl. No.	Species	Stock as on 01.04.2020				During the year												Stock as on 31.03.2021				
						Births			Acquisition			Disposals			Deaths							
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
	<u>MAMMALS</u>																					
13	WILD DOG or DHOLE (<i>Cuon alpinus</i>)	1	4	5	10	-	-	6	1	3	-	-	-	-	-	-	-	2	7	11	20	
14	SWAMP DEER (<i>Cervus duvauceli</i>)	0	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	0	1	0	1	
15	GAUR / INDIAN BISON (<i>Bos gaurus</i>)	5	5	0	10	1	-	-	-	-	-	-	-	-	2	-	-	4	5	0	9	
16	INDIAN WOLF (<i>Canis lupus pallipes</i>)	1	1	0	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0	2	
17	MOUSE DEER (<i>Tragulus meninna</i>)	0	1	2	3	-	-	-	-	-	-	-	-	-	1	2	-	0	0	0	0	
18	JUNGLE CAT(<i>felis chaus</i>)	1	0	0	1	-	-	-	-	-	-	-	-	-	-	-	-	0	1	0	1	
19	PALM CIVET (<i>Paradoxurus hermaphroditus</i>)	0	0	1	1	-	-	-	-	2	-	-	-	1	-	-	-	-1	0	3	2	
20	CHINKARA (<i>felis chaus</i>)	1	2	0	3	-	1	-	-	-	-	-	-	-	-	-	-	1	3	0	4	
	TOTAL MAMMALS	94	93	8	195	1	1	15	1	3	2				5	6	2	90	92	23	205	
	<u>REPTILES</u>																					
1	CROCODILES MARSH (MUGGER) (<i>Crocodylus palustris</i>)	0	0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	0	0	1	1	

Sl. No.	Species	Stock as on 01.04.2020				During the year												Stock as on 31.03.2021				
						Births			Acquisition			Disposals			Deaths							
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
	REPTILES																					
2	SALT WATER CROCODILE (<i>Crocodilus porosus</i>)	1	2	3	6	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3	6
3	GHARIAL (<i>Gavialis gangeticus</i>)	1	0	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	4	5
4	TERRAPIN (POND INDIAN) (<i>Batagur baska</i>)	0	0	15	15	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	15	15
5	INDIAN FLAP SHELL TURTLE (<i>Lissemys purpurata</i>)	0	0	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	5	5
6	TORTOISE INDIAN STAR (<i>Geochelone elegans</i>)	42	69	0	111	-	-	-	-	-	-	-	-	-	4	4	-	38	65	0	103	
7	PYTHON (<i>Python molurus</i>)	0	0	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	5	5
	TOTAL REPTILES	44	71	33	148	-	-	-	-	-	-	-	-	-	4	4	-	40	67	33	140	
	TOTAL ANIMALS	147	176	45	368	1	1	15	1	3	2	-	-	-	10	10	2	138	171	59	368	

OTHER WILD ANIMALS

Sl. No	Species	Stock as on 01.04.2020				During the year												Stock as on 31.03.2021			
						Births			Acquisition			Disposals			Deaths						
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
	<u>BIRDS</u>																				
1	AFRICAN GREY PARROT (<i>Perithacus erithacus</i>)	0	0	2	2	-	-	-	-	-	-	-	-	-	-	-	-	0	0	2	2
2	ALBINO BUDGERIGARS (<i>Mlopittacus undulatus</i>)	0	0	11	11	-	-	4	-	-	-	-	-	-	-	-	-	0	0	15	15
3	FISHER'S LOVE BIRDS (<i>Galloperdix lunulata</i>)	0	0	25	25	-	-	-	-	-	-	-	-	-	-	-	-	0	0	25	25
4	GREY COCKATIEL (<i>Nymphicus hollandicus</i>)	4	3	0	7	-	-	3	-	-	-	-	-	-	-	-	-	4	3	3	10
5	PATRIDGE GREY (<i>Francolinus pondicerianus</i>)	0	0	14	14	-	-	-	-	-	-	-	-	-	-	-	-	0	0	14	14
6	PELICAN GREY (<i>Pelecanus Philippensis</i>)	0	0	35	35	-	-	-	-	-	-	-	-	-	-	-	-	0	0	35	35
7	QUAIL JUNGLE BUSH - BATER (<i>Perdiula asiolica</i>)	0	0	8	8	-	-	-	-	-	-	-	-	-	-	-	8	0	0	0	0
8	JAPANESE QUAIL (<i>Coturnix coturnix</i>)	0	0	16	16	-	-	-	-	-	-	-	-	-	-	-	-	0	0	16	16
9	LUTINO BUDGERIGER (<i>Melopsittacus undulatus</i>)	0	0	15	15	-	-	-	-	-	-	-	-	-	-	-	-	0	0	15	15
10	WHITE COCKATIEL (<i>Nymphicus bollandicus</i>)	19	12	0	31	-	-	-	-	-	-	-	-	-	-	-	-	19	12	0	31
11	MASKED LOVE BIRDS (<i>Agapornis personatus</i>)	0	0	8	8	-	-	-	-	-	-	-	-	-	-	-	4	0	0	4	4

Sl. No	Species	Stock as on 01.04.2020				During the year												Stock as on 31.03.2021			
						Births			Acquisition			Disposals			Deaths						
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
12	PAINTED SPURFOWL (<i>Gallus rdix lunulata</i>)	1	2	0	3	-	-	-	-	-	-	-	-	-	1	2	-	0	0	0	0
13	PAINTED STORK (<i>Mycteria leucocephala</i>)	0	0	30	30	-	-	-	-	-	-	-	-	-	-	-	-	0	0	30	30
14	PEACH FACED LOVE BIRD (<i>Agopomis rosceicollis</i>)	0	0	18	18	-	-	-	-	-	-	-	-	-	-	-	-	0	0	18	18
15	PIED COCKATIEL (<i>Psittacula cyanocephola</i>)	9	5	4	18	-	-	-	-	-	-	-	-	-	-	-	-	9	5	4	18
16	PLUM HEADED PARAKEET (<i>Psittacula cyanocephola</i>)	3	2	0	5	-	-	-	-	-	-	-	-	-	-	-	-	3	2	0	5
17	PURPLE HERON (<i>Ardea plurpurea</i>)	0	0	6	6	-	-	-	-	-	-	-	-	-	-	-	1	0	0	5	5
18	RAIN BOW LORY (<i>Trichoglossus moluccanus</i>)	0	0	1	1	-	-	-	-	-	-	-	-	-	-	-	1	0	0	0	0
19	ROSE RING PARAKEET (<i>Psittacula krameri</i>)	22	20	10	52	-	-	-	-	-	-	-	-	-	-	-	-	22	20	10	52
20	SILVER PHEASANT (<i>Lophura nycthemera</i>)	4	4	0	8	-	-	-	-	-	-	-	-	-	2	-	-	2	4	0	6

Sl. No	Species	Stock as on 01.04.2020				During the year												Stock as on 31.03.2021			
						Births			Acquisition			Disposals			Deaths						
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
21	SLATY HEADED PARAKEET (<i>Psittacula himalyans</i>)	2	3	0	5	-	-	-	-	-	-	-	-	-	2	3	-	0	0	0	0
22	SULPHER CRESTED COCKATOO (<i>Kokatoe galerita</i>)	1	1	0	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0	2
23	WHITE COCKATOO (<i>Cacatua alba</i>)	2	0	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2	0	0	2
24	WHITE IBIS (<i>Threskiornis acthiopica</i>)	0	0	59	59	-	-	-	-	-	-	-	-	-	-	-	-	0	0	59	59
25	RING NECKED PHEASANT(<i>Chrysolophus pictus</i>)	5	1	0	6	-	-	-	-	-	-	-	-	-	5	1	-	0	0	0	0
26	GOLDEN PHEASANT (<i>Chrysolophus pictus</i>)	2	1	0	3	-	-	-	-	-	-	-	-	-	2	1	-	0	0	0	0
27	RED JUNGLE FOWL (<i>Gallus gallus</i>)	2	4	4	10	-	-	-	-	-	-	-	-	-	1	2	3	1	2	1	4
28	ALEXENDRIAN PARAKEETS (<i>Psittacula eupatria</i>)	23	16	0	39	-	-	-	-	-	-	-	-	-	1	-	-	22	16	0	38
29	RED SPURFOWL (<i>Gallopedix spadicea</i>)	0	4	0	4	-	-	-	-	-	-	-	-	-	-	-	-	0	4	0	4
30	EMU (<i>Dromaius novaehollandicea</i>)	0	0	18	18	-	-	-	-	-	-	-	-	-	-	-	4	0	0	14	14

Sl. No.	Species	Stock as on 01.04.2020				During the year												Stock as on 31.03.2021			
						Births			Acquisition			Disposals			Deaths						
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
31	RED-CROWNED AMAZON	1	1	0	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0	2
32	ROSY PELICAN (<i>Pelecanus -roseus</i>)	1	2	0	3	-	-	-	-	-	-	-	-	-	-	-	-	1	2	0	3
33	HOUSE SPARROW (<i>Passer domesticus</i>)	4	5	0	9	-	-	-	-	-	-	-	-	-	-	-	-	4	5	0	9
34	GREEN WINGED MACAW	1	1	0	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0	2
35	ELECTUS PARROT (<i>Eclectus roratus</i>)	1	0	0	1	-	-	-	-	-	-	-	-	-	-	-	-	1	0	0	1
36	SUN CONURE (<i>Aratinga solstitialis</i>)	1	1	0	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0	2
37	JANDAYA CONURE (<i>Aratinga jandaya</i>)	1	0	0	1	-	-	-	-	-	-	-	-	-	-	-	-	1	0	0	1
38	CHATTERING LORY (<i>Lorius garrulus garrulus</i>)	0	0	2	2	-	-	-	-	-	-	-	-	-	-	-	-	0	0	2	2
39	WHITE EYED CONURE (<i>Psittacara leucophthalma</i>)	0	0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	0	0	1	1
40	LIVINGSTONE TURACO (<i>Tauraco livingstonii</i>)	1	1	0	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0	2

Sl. No.	Species	Stock as on 01.04.2020				During the year												Stock as on 31.03.2021			
						Births			Acquisition			Disposals			Deaths						
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
41	OSTRICH (<i>Struthio camelus</i>)	1	1	0	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0	2
42	BLACK SWAN (<i>Cygnus atratus</i>)	2	2	0	4	-	-	-	-	-	-	-	-	-	-	1	-	2	1	0	3
43	DEMOISELLE CRANE (<i>Grus virgo</i>)	1	1	0	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0	2
44	ZEBRA PINCH (<i>Taeniopygia guttata</i>)	1	2	0	3	-	-	-	-	-	-	-	-	-	-	-	-	1	2	0	3
45	NIGHT HERON (<i>Nycticorax nycticorax</i>)	5	5	0	10	-	-	-	-	-	-	-	-	5	3	-	-	0	2	0	2
	TOTAL BIRDS:	120	100	287	507	-	-	7	-	-	-	-	-	-	19	13	21	101	87	273	461
	<u>MAMMALS</u>																				
1	NILGAI - BLUE BULL (<i>Bose laphus tragocamelus</i>)	3	5	0	8	1	-	1	-	-	-	-	-	-	-	-	-	4	5	1	10
2	SAMBAR DEER (<i>Cervus unicolor</i>)	26	28	8	62	-	-	6	-	-	-	-	-	-	1	-	-	25	28	14	67
3	SPOTTED DEER - (CHITAL) (<i>Axis axis</i>)	37	41	8	86	-	-	3	-	-	-	-	-	-	-	-	-	37	41	11	89

Sl. No.	Species	Stock as on 01.04.2020				During the year												Stock as on 31.03.2021			
						Births			Acquisition			Disposals			Deaths						
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
4	WILD BOAR (<i>Sus scrofa</i>)	5	6	4	15	-	-	-	-	-	-	-	-	-	-	-	-	5	6	4	15
5	OLIVE BABOON (<i>Papio cynocephalus</i>)	1	0	0	1	-	-	-	-	-	-	-	-	-	-	-	-	1	0	0	1
6	INDIAN PORCUPINE	3	1	4	8	-	-	-	-	-	-	-	-	-	1	-	-	2	1	4	7
7	BARKING DEER (<i>Muntiacus muntjak</i>)	2	6	0	8	1	-	-	-	-	-	-	-	-	1	2	-	2	4	0	6
8	HOG DEER (<i>Axis procinus</i>)	4	1	0	5	-	-	-	-	-	-	-	-	-	2	-	-	2	1	0	3
9	JAGUAR (<i>Panthera onca</i>)	2	0	0	2	-	-	-	-	-	-	-	-	-	-	-	-	2	0	0	2
10	MANDRILL (<i>Mandrillus sphinx</i>)	0	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	0	1	0	1
11	HAMADRYAS BABOON	0	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	0	1	0	1
12	THAMIN BARKING (<i>Muntiacus muntjak</i>)	1	1	0	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0	2
	TOTAL	84	91	24	199	2	-	10	-	-	-	-	-	-	5	2	-	81	89	34	204
	TOTAL ANIMALS:	204	191	311	706	2	-	17	-	-	-	-	-	-	24	15	21	182	176	307	665

GREY JUNGLE FOWL

Sl. No.	Species	Stock as on 01.04.2020				During the year												Stock as on 31.03.2021			
						Births			Acquisition			Disposals			Deaths						
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
1	GREY JUNGLEFOWL (<i>Gallus sonneratii</i>) Breeding Centre	22	22	23	67	-	-	1	-	-	-	-	-	-	1	5	-	21	17	24	62
TOTAL :		22	22	23	67	-	-	1	-	-	-	-	-	-	1	5	-	21	17	24	62

ANIMAL RESCUE CENTRE

Sl. No.	Species	Stock as on 01.04.2020				During the year												Stock as on 31.03.2021			
						Births			Acquisition			Disposals			Deaths						
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
RESCUE ANIMALS																					
1	LION (<i>Panthera leo persica</i>)	0	6	-	6	-	-	-	-	-	-	-	-	-	-	3	-	0	3	0	3
TOTAL ANIMALS:		0	6	-	6	-	-	-	-	-	-	-	-	-	-	3	-	0	3	0	3

ABSTRACT

Sl. No.	Type	Sch.I&II	Others	Total
1	Birds	23	461	484
2	Mammals	205	204	409
3	Reptiles	140	-	140
	Total	368	665	1033
4	A.R.C.		-	3
5	G.J.F.		-	62
Grand Total:				1098

27. Mortality of animals

STATEMENT SHOWING ANIMALS AND BIRDS DEATH REPORT OF S.V. ZOOLOGICAL PARK, TIRUPATI from 1st April, 2020 to 31st March, 2021

C.Z.A. File No. 18 - 1 / 2008 - CZA (M) Dt: 25.03.2008

Sl. No	Species	Date	Sex	Post Mortem Report No.	Cause of death as diagnosed through postmortem
I.	<u>Birds</u>				
1	Red Jungle Fowl	04.04.2020	Male	01/2020-21	Predator attack
2	Red Jungle Fowl	04.04.2020	Female	02/2020-21	Predator attack
3	Red Jungle Fowl	04.04.2020	Female	03/2020-21	Severe Head injury
4	Spoon bill stork	06.04.2020	Unknown	04/2020-21	Traumatic shock (Injury and bleeding in the throat)
5	Night Heron	08.04.2020	Female	05/2020-21	Severe Head injury
6	Grey Jungle Fowl	18.04.2020	Female	08/2020-21	Egg Bound condition
8	Grey Jungle Fowl	15.06.2020	Female	11/2020-21	Traumatic shock liver rupture & hemorrhage
9	Night Heron	19.06.2020	Unknown	12/2020-21	Heat stroke
10	Night Heron	19.06.2020	Unknown	13/2020-21	Heat stroke
11	Night Heron	19.06.2020	Unknown	14/2020-21	Heat stroke
12	Night Heron	19.06.2020	Unknown	15/2020-21	Heat stroke
13	Night Heron	19.06.2020	Unknown	16/2020-21	Heat stroke
14	Grey Jungle Fowl	09.07.2020	Female	17/2020-21	Senility & Multiple tumors of internal organs
15	Purple Heron	20.07.2020	Female	18/2020-21	Fracture of cervical vertebral bones (6th & 7th) Traumatic shock
16	Grey Jungle Fowl	10.08.2020	Female	22/2020-21	Senility, Visceral gout.
17	EMU	14.08.2020	Male	24/2020-21	Traumatic shock
18	Grey Jungle Fowl	21.08.2020	Male	25/2020-21	Asphyxia
19	Night Heron	01.10.2020	Male	33/2020-21	Neck bone fractured
20	Pheasant Silver	18.11.2020	Male	38/2020-21	Senility
21	Grey Jungle Fowl	22.12.2020	Female	42/2020-21	Head Injury, Shock

Sl. No	Species	Date	Sex	Post Mortem Report No.	Cause of death as diagnosed through postmortem
22	Alexandrine Parakeets	07.01.2021	Male	44/2020-21	Injuries
23	Night Heron	10.01.2021	Male	47/2020-21	Body Injuries
24	Grey Jungle Fowl	11.01.2021	Male	48/2020-21	Traumatic shock
25	Black Swan	29.03.2021	Female	50/2020-21	Truamatic Shock
II.	<u>Mammals</u>				
1	Barking Deer (Muntjac)	09.04.2020	Female	06/2020-21	Traumatic shock
2	Indian Gaur	10.04.2020	Male	07/2020-21	Traumatic shock (Due to infighting injuries)
3	Hog Deer	21.04.2020	Male	09/2020-21	Traumatic shock (Rupture of lungs and internal hemorrhage)
4	Barking Deer (Muntjac)	04.05.2020	Female	10/2020-21	Internal Haemorrhage & Hypovolumic shock
5	White Tiger	20.07.2020	Male	19/2020-21	Hydronephrosis
6	Porcupine	22.07.2020	Male	20/2020-21	Ascites (rupture of urinary bladder)
7	Black Buck	01.08.2020	Female	21/2020-21	Dystokia (Due to torsion of uterus)
8	Hog Deer	14.08.2020	Male	23/2020-21	Suppurative pneumonia
9	Mouse Deer (Tragulus meninna)	22-09-2020	Female	32/2020-21	Traumatic Shock
10	Gaur Indian	13.10.2020	Male	34/2020-21	Hyporolumic, Traumatic shock
11	Black Buck	29.10.2020	Female	35/2020-21	Accidental death, Asphyxiation
12	Black Buck	29.10.2020	Female	36/2020-21	Traumatic shock
13	Civet Cat	17.11.2020	Male	37/2020-21	Adenocarcinoma (Tumer of lungs)
14	Sambar Deer	20.11.2020	Male	39/2020-21	Traumatic shock
15	Jackal	20.11.2020	Female	40/2020-21	Pnuemonia
16	White Tiger	21.11.2020	Male	41/2020-21	Hydronephrosis (Suspected for leptospirosis)
17	Barking Deer	07.01.2021	Male	43/2020-21.	Supparative pneumonia
18	Antilope Four-Horned (Chowsingha)	15.01.2021	Female	49/2020-21.	Injuries and traumatic shock

Sl. No	Species	Date	Sex	Post Mortem Report No.	Cause of death as diagnosed through postmortem
III. Reptiles					
1	Indian Star Tortoise (Geochelone elegans)	05-09-2020	2 Male	26/2020-21, 27/2020-21,	Asphyxia
2	Indian Star Tortoise (Geochelone elegans)	05-09-2020	4 Female	28/2020-21, 29/2020-21, 30/2020-21, 31/2020-21.	Asphyxia
3	Indian Star Tortoise	10.01.2021	Male	45/2020-21.	Peritonitis
4	Indian Star Tortoise	10.01.2021	Male	46/2020-21.	faecal impaction, internal hemorrhage
IV. Animal Rescue Centre					
1	Lioness (Saraswathi)	30.07.2020	Female	01/2020-21	Senility and multi organs failure
2	Lion (Panthera leo persica)	22.11.2020	Female	02/2020-21	Old age, Tumorous (multiorgan)
3	Lion	11.01.2021	Female	03/2020-21	Senility, Pyhenepritis multiorgan failure

28. Compliance with conditions stipulated by the Central Zoo Authority

Sl. No	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Status with regard to compliance of the conditions as submitted by the Officer-in-charge of the zoo
1.	1.1	The Zoo should make efforts to add new blood line in its prolific breeding species of deer and antelopes to maintain population of physically, genetically and behaviourally healthy animals for furthering the cause of wildlife conservation.	One year	Barking Deer (1:1) was obtained on exchange from Sakkarbaug Zoological Park, Junagadh, Gujarat as an effort to add new blood line and thereby to maintain a population of physically, genetically and behaviourally healthy animals for furthering the cause of wildlife conservation. Efforts to add new blood line is under progress for the remaining species.

Sl. No.	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Status with regard to compliance of the conditions as submitted by the Officer-in-charge of the zoo
2.	1.5	The Zoo should complete the construction of perimeter wall for remaining length.	One year	The total perimeter of SVZP, TPT is around 19 Kms, out of which, the perimeter surrounded by human landscape comes to around 13 Kms. The construction of protection wall was completed over a length of 13Kms.
3.	1.7	The existing arrangements for managing solid and liquid waste and storm water is not proper with no out flow drain being available in the zoo. A proper drainage plan should be prepared and implemented in this regard	One year	Master Drainage Plan is part of Master Plan which is already submitted to CZA. The zoo has approached the TTD for required funds for construction of STP.
4.	1.9	The stray dogs are able to enter in the zoo premises, particularly near the graveyard. It needs to be addressed properly so that the chances of the entry of stray dogs are totally eliminated in the zoo. It is possible with the construction of boundary wall all along the periphery of the zoo	One year	<p>The total perimeter of SVZP, TPT is around 19 Kms, out of which, the perimeter surrounded by human landscape comes to around 13 Kms.</p> <p>While construction of protection wall is completed for a length of 11Kms, construction is under progress for the remaining perimeter of 2 kms surrounded by human landscape.</p> <p>However, it is to submit that a peripheral trench of depth 3 Mts. and width 3 Mts. has been taken up as a temporary measure to prevent movement of free ranging animals near the graveyard. At present, no wild animals / stray dogs are entering into the zoo premises.</p>

Sl. No.	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Status with regard to compliance of the conditions as submitted by the Officer-in-charge of the zoo
5.	2.2	An official with masters degree in Wildlife Science / Zoology as full time Curator, solely responsible for looking after the upkeep of animals and maintenance of animal enclosures should be deployed.	One year	It is submitted that proposals were submitted to the Prl. Chief Conservator of Forests vide Rc. No. 508/2016/C1, dated: 22.06.2018 for re-designating 'Deputy Conservator of Forests (Cadre Post)' as 'Director' and 'Asst. Conservator of Forests' as 'Curator' as per the rule No. 10, Schedule 2 (1-3) Administrative and Staffing Pattern of CZA guidelines. It is further submitted that proposals were submitted to the Prl. Chief Conservator of Forests vide Rc. No. 508/2016/C1, dated: 22.06.2018 for posting an officer with Masters Degree in Wildlife Science / Zoology as a 'Curator' (Asst. Conservator of Forests) for looking after the upkeep of animals and maintenance of animal enclosures.
6.	4.6	The birds and pheasants enclosures need to be made greener by planting appropriate species of plants in the cells. The perching needs to be twined with the coir for safety of animals	Immediately	The birds and pheasants enclosures have been made greener by planting appropriate species of plants in the cells. Further, The perching has been twined with the coir for safety of animals.
7.	4.9	The area between stand-off barriers and enclosure walls should be planted with the appropriate species of hedge plants, particularly in the birds and pheasant's enclosure. The existing hedge plants in the Tiger, Lion and Primate enclosures need proper care and maintenance to make them dense and uniform.	Immediately	The area between stand-off barriers and enclosure walls have been planted with the appropriate species of hedge plants, particularly in the birds and pheasant's enclosure. Further, necessary steps have been taken for proper care and maintenance of the existing hedge plants in tiger, lion and primate enclosures, to make them dense and uniform.

Sl. No.	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Status with regard to compliance of the conditions as submitted by the Officer-in-charge of the zoo
8.	4.10	The old or worn out sign boards needs to be replaced on a regular basis	Imme- diately	The old or worn out sign boards are being replaced on a regular basis as and when necessary.
9.	5.1	The drainage system in animal houses, Post Mortem, Commissary and Veterinary Unit should be provided with proper cover drain having out flow arrangements for the waste water	One year	Master Drainage Plan is part of Master Plan which is already submitted to CZA. The zoo has approached the TTD for required funds for construction of STP.
10	5.2	The zoo does not have a separate Meat House which should be constructed, fly proof and pest free, and located at a reasonable distance from the feed store and kitchen	One year	A separate meat house has been constructed, which is fly proof and pest free.
11	5.2	The meat handlers entering the facility should change into a clean and disinfected boots and coveralls. They should use clean gloves while handling meat	Imme- diately	Clean and disinfected boots, coveralls and hand gloves have been provided to the meat handlers.
12	5.2	The animal keepers should use clean gloves while they handle the meat prior to feeding.	Imme- diately	Clean gloves have been provided to the animal keepers for handling the meat prior to feeding.

Sl. No.	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Status with regard to compliance of the conditions as submitted by the Officer-in-charge of the zoo
13	5.5	The zoo should plan and implement proper waste disposal system for treating both the solid and liquid waste generated in the zoo.	One year	Master Drainage Plan is prepared for holistic management of liquid waste and storm water, which will be implemented in true sense. However, Waste Disposal pits were excavated so as to facilitate segregation/disposal of the left-over feed/flesh and bones/excreta of the animals/vegetable waste etc. in a scientific manner.
14	6.1	The zoo should acquire the equipment's for Veterinary Hospital which are not available at present so that the basic diagnostic facilities are available in the hospital for proper medical care and treatment of the animals.	One year	In the mean time the equipment's added are ELISA reader, Ophthalmoscope, Otoscope, laryngoscope, Dental care kit, Post-mortem kit. Some costly equipment's are being requested from TTD funds.
15	9.4	The unpaired animals in the zoo should be provided with their pairs, such as Mandrill-(F), Olive Baboon-(M), Stump tailed Monkey-(M) and Jaguar-(M)	One year	All efforts are being made to provide pairs to the unpaired animals such as Mandrill (F), Olive Baboon(M) and Jaguar (M) by co-ordinating with different zoos in India and abroad.
16	9.6	The zoo should prepare a scientific conservation breeding plan, species recovery plans for the Grey Jungle Fowl for which it is carrying out conservation breeding programme.	One year	The present program has successfully bred the Fowls and the population at present is around 67. For release the zoo is planning to take the help of experts like WII.

Sl. No.	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Status with regard to compliance of the conditions as submitted by the Officer-in-charge of the zoo
17	9.8	The zoo should maintain the Animal History Cards and Stud & Herd Book for the animals of endangered species housed in the zoo and putting appropriate identification marks for transfer or exchange animals with other zoos to prevent inbreeding and the loss of heterozygosity in the existing population of the species.	One year	It is submitted that Animal History Cards, Stud & Herd Book for the animals of endangered species housed in the zoo are being maintained. Further, transponder ID's & legbands are provided for transfer/exchange of animals with other zoos to prevent inbreeding and loss of heterozygosity in the existing population of the species.
18	9.9	The population of Spotted deer, Sambar, Blackbuck and Star tortoise is high. Their number should be kept within the holding capacity of the enclosures available in the zoo, so that housing standards are not compromised. Population control measures should be implemented to safeguard against uncontrolled growth of the population of above said species.	One year	The population of Spotted deer, Sambar & Blackbuck in the enclosures is kept within the holding capacity by segregation of sexes and by shifting to Herbivore Safari. It is also proposed to release some excess animals into the wild with permission from the competent authority, duly following the rules in vogue.
6. Research Activities				
19	10.1	The zoo should implement a Research Plan and conduct research on the prioritized species and specific areas of concern.	Immediately	The zoo has contacted S.V. University, Padmavathi University & S.V. Veterinary University, Tirupati and Vedic University, Tirupati for taking up Research project.

Sl. No.	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Status with regard to compliance of the conditions as submitted by the Officer-in-charge of the zoo
7. Visitor Facilities				
20	12.1	The visitor facilities such as resting shed, drinking water points, toilets etc need to be made accessible to the physically challenged person.	Immediately	The make visitor facilities such as resting shed, drinking water points, toilets etc., are made accessible to the physically challenged persons.
21	12.3	The animal enclosures needs to be made easy and smooth accessible to the wheel chairs.	Immediately	It is submitted that necessary steps are taken to make animal enclosures easy and smoothly accessible to the wheel chairs.
1. General requirements				
1.	1 (2)	The Zoo should have an Education Officer and Biologist for nature education and research work. The Zoo does not have a full time Education Officer and Biologist, Zoo should take action to appoint suitable technical staff for these posts.	Within one year	There is no sanctioned post of Biologist and the Zoo Education Officer in S.V. Zoological Park, Tirupati. However, the Zoo Authority of Andhra Pradesh (ZAAP) Committee has recommended for the sanction of (160) Nos. posts of various categories vide 3535/2019/WL-2, Dt:30.10.2019, which is being pursued at Government level. However a Biologist and a Zoo Educational Officer have been engaged on Outsourcing basis till full time posts are sanctioned.
2.	1 (5)	The Zoo does not have perimeter wall for 15-25 km. length to stop entry of free ranging wildlife and other into Zoo campus. The wall should be constructed urgently.	Within one year	The total perimeter of SVZP, TPT is around 19 Kms, out of which, the perimeter surrounded by human landscape comes to around 13 Kms. While construction of protection wall of 2mts. height is completed over a length of 11 Kms, construction is under progress for the remaining perimeter of 2kms surrounded by human landscape. The work is under progress and will be completed soon.

Sl. No.	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Status with regard to compliance of the conditions as submitted by the Officer-in-charge of the zoo
3.	1 (8)	Zoo should submit report on rescued endangered species now housed in the Zoo to the Chief Wildlife Warden.	With immediate effect	(1) The details of animals rescued from different circuses and housed in the zoo are being submitted in the monthly reports to the Chief Conservator of Forests, Wildlife Management Circle, Tirupati & Chief Wildlife Warden, Andhra Pradesh, Guntur.
4. Animal housing, display of animals and animal enclosures				
4.	4 (5)	The mugger, Gharial and salt water crocodile enclosures are to be enriched. The basking area should be enlarged and filled with sand.	Within six months	The enclosures for mugger, Gharial and salt water crocodile are enriched by filling with sand and increasing the basking area
5.	4 (9)	Zoo should display adequate sign boards so as to give warning to the visitors to keep a safe distance from the animals.	Within six months	Many kinds of sign boards have been erected in S.V. Zoological Park, Tirupati regarding information about the animals and safety warnings etc to the visitors
6.	4 (10)	Zoo should provide interactive interpretation facilities for the purpose of explaining behaviors and biology of the species displayed in the enclosure.	Within six months	Interpretation Centre has been constructed for providing interactive interpretation facilities to the visitors and started nature school concept for creating awareness to the visitors on behavior and biology of the wild animals.
5. Upkeep and healthcare of animals				
7.	5 (2)	The carnivores are fed with boneless meat only, it is essential to provide meat with bones to supplement the calcium intake of animals.	With immediate effect	Meat with bones has been included in the diet to supplement the calcium intake of animals.

Sl. No.	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Status with regard to compliance of the conditions as submitted by the Officer-in-charge of the zoo
8.	5 (9)	All staff involved with upkeep and healthcare of Zoo animals shall be screened against Zoonotic diseases once every year.	With immediate effect	A medical camp was conducted on 14.03.2019 during the year 2018-19 and on 26.11.2019 and 01.02.2020 during the year 2019-20 to screen the staff against zoonotic diseases.
9.	5 (10)	Zoo should house and maintain animals in socially and behaviourally viable groups.	With immediate effect	Being followed
6. Veterinary and infrastructure facilities				
10	6 (5)	Zoo should provide support staff i.e. one Lab Assistant and Compounder as per CZA guidelines	Within six months	Compounder, Lab Assistant are being engaged in S.V. Zoological Park, Tirupati
7. Post-mortem and disposal of carcasses of animals				
11	7 (4)	Zoo should provide incinerator for burning the carcasses of the animals to avoid any adverse impact on the hygiene and cleanness of the Zoo.	Within six months	A building for operating of Incinerator has been constructed and the procurement of Incinerator will be made at an early date on receipt of funds.

Sl. No.	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Status with regard to compliance of the conditions as submitted by the Officer-in-charge of the zoo
1. Acquisition and breeding of animals				
12	9 (4)	Zoo should acquire mates for single and unpaired animals (wild dog and striped hyena) on priority basis failing which the unpaired or single animal should be transferred or exchanged with other Zoo's in accordance with the norms specified by CZA.	Within six months	Wild dog has been paired, while there is no Striped Hyena at present in the zoo.
13	9 (6)	Founder population of the Conservation Breeding Programme of Grey Jungle Fowl were observed. The housing facility for Grey Jungle Fowl should be completed without further delay and till such time these birds should not be housed along with any other species of birds.	Within six months	The construction of Conservation Breeding Centre for Grey Jungle Fowl is completed and the breeding programme is going on successfully.

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

Mammals

- Leopard
- Wild Dog
- Sloth Bear
- Wild Boar
- Spotted Deer
- Sambar
- Porcupine
- Small Indian Mongoose
- Jungle Cat

Reptiles

- Cobra
- Rat Snake
- Chameleon
- Russels Viper
- Monitor Lizard

Birds

- Peafowl
- Grey Jungle Fowl
- Partridge
- Painted Spur Fowl
- Japanese Quail
- Spotted Dove
- Jungle Crow
- House Sparrow

**Curator,
S.V.Zoological Park,
Tirupati.**