

GOVERNMENT OF ANDHRA PRADESH
FOREST DEPARTMENT

From

Smt M.Hima Sailaja, Dy.CF.,
Curator,
Sri Venkateswara Zoological Park,
Tirupati.

To

Member Secretary,
Central Zoo Authority, Ministry of
Environment, Forest & Climate Change
B-1 Wing, 6th Floor, Pt. Deendayal
Antyodaya Bhawan, CGO Complex,
Lodhi Road, New Delhi

Rc.No. 366/ 2019 / C3, Dt: 06.07.2019

Sir,

Sub:- Forest Department – Sri Venkateswara Zoological Park, Tirupati –
Submission of Annual Report of S.V. Zoological Park, Tirupati for
the Year 2019-20 - Reg.

Ref:- Central Zoo Authority, New Delhi, F.No. 18/-4/2018-
CZA/3333/2018, dt: 30.05.2018.

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It is to submit that, as per the instructions of the Member Secretary, Central
Zoo Authority vide reference cited the Annual Report of Sri Venkateswara Zoological
Park, Tirupati for the year 2019-20 herewith enclosed.

This is submitted for favour of information and necessary action.

Yours faithfully,

Encl:- As above

M.Hima Sailaja
Curator,
S.V. ZoologicaPark,
Tirupati.

Copy submitted to the Prl. Chief Conservator of Forest (WL) & Chief Wildlife
Warden, Andhra Pradesh, Guntur for favour of information.

Copy submitted to the Chief Conservator of Forests, Wildlife Management Circle,
Tirupati for favour of information.

N.S.
DESPATCHE
Date: 16/7/2020

M.Hima Sailaja
Curator,
S.V. ZoologicaPark,
Tirupati.

**SRI VENKATESWARA
ZOOLOGICAL PARK, TIRUPATI.**



**ANNUAL REPORT FOR THE
YEAR 2019-20**

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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 89 different species of mammals, birds and reptiles with a total of 1147 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. Various environmental days of wildlife importance viz., World Earth Day, Tiger Day, World Elephant Day and Gaj Mahotsavam, 65th Vanya Prani Saptah, World Environment Day, Sparrow Day, International Day of Forests etc. were celebrated in the zoo, 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 2019-20 (April 2019-March 2020) is 6,47,930 and the revenue 6.06 crores. We had around 60 new births (Birds: 3, Mammals: 54, Replites: 3) and new members added to the zoo family. During the year, Asiatic Lion, Democile Crane, Rosy Pelican, Zebra Finch, Barking Deer, Thamin Deer, Spoonbill, Chinkara, Night Heron, Black Swan and Plum Headed Parakeet were added to the zoo collection. Exchange programme with Sakkarbaug Zoo, Junagadh, Gujarat and Chamarajendra Zoological Gardens, Mysuru.

Developmental works to provide high standards of housing, husbandry and health care viz., construction of additional night house for Bison, releasing Paddock in White Tiger Safari animals, Commissioning of 3 Nos. 2 Cum Biogas plants were carried out during the year. Animal enrichment was taken up in various enclosures, considering the biology, behavior and physical requirements of the wild animals kept in captivity. Welfare measures were taken up for the zoo employees. Construction of Protection wall around the zoo, Asiatic Lion and Himalayan Black Bear Enclosures and Nocturnal Animal House are under progress.

The most memorable event was the conduction of '65th Vanya Prani Saptah, 2019', which was celebrated from 2nd to 8th October, 2019 in S.V.Zoological Park, Tirupati, starting with October 2nd, marking the birthday of Mahathma Gandhi. Several activities were conducted to encourage active participation of school children right from Primary class to P.G. viz., Open Photography Competition on the Theme "Inmates of Sri Venkateswara Zoological Park, Tirupati, Best Zoo Volunteer competition, Essay Writing Competition on Conservation of Wildlife Habitat, Drawing Competition on the Theme "Animal in the Wild", Quiz competition on Forest and Wildlife Conservation, Best Concept Note Competition on "Puranaalalo Vanyapraanula Paatra and Elocution competition on Degradation of Forests and Wildlife. All the activities were focussed on Wildlife and Importance of Protecting Land and Preserving Wildlife for Future Generations. Around 1288 students were participated in various competitions. This reflects growing enthusiasm and concern for wildlife among the younger generations.

The Valedictory Function at State level was conducted on 04.10.2019 at Sri Venkateswara Zoological Park, Tirupati in the gracious presence of Sri Balineni Srinivasa Reddy, Hon'ble Minister for EFS & T, A.P., Sri N.Pratheep Kumar, I.F.S, Prl. Chief Conservator of Forests (HoFF) and Sri D. Nalini Mohan, IFS, Principal Chief Conservator of Forests (WL) and Chief Wildlife Warden, Andhra Pradesh. Felicitated the staff of Sri Venkateswara Zoological Park, Tirupati and Indira Gandhi Zoological Park, Vizag with K.V.S. Babu Memorial Award for Excellence, besides addressing the gathering and awarding prizes to the winners.

It is our previlize to host 9th Governing Board meeting of Zoo Authority of Andhra Pradesh (ZAAP) held on 04.10.2019.

On behalf of Sri Venkateswara Zoological Park, Tirupati, I sincerely thank Sri N.Prateep Kumar, IFS, Principal Chief Conservator of Forests (HoFF), Sri D.Nalini Mohan, IFS, Principal Chief Conservator of Forests (WL) & Chief Wildlife Warden, A.P., and Sri S.Saravanan, IFS., Chief Conservator of Forests, WLM Circle, Tirupati for their constant support, encouragement and guidance in all respects. Further, I wish to express deep sense of gratitude to the Central Zoo Authority, New Delhi for their support and guidance in the development of Sri Venkateswara Zoological Park, Tirupati. I have confidence to believe that Sri Venkateswara Zoological Park, Tirupati will continue to grow in the field of wildlife conservation, education and research in the coming years.

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 ranges, which is an off shoot of Eastern Ghats.

The foundation for Sri Venakateswara 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 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 285 ha is proposed for development under Phase-I. Sri Venakateswara 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 scientific institution, engaged in welfare and ex-situ conservation of wildlife and also to project the Zoo as knowledge centre for wildlife education connected with mythology. Keeping the Zoo in 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 thorough 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.

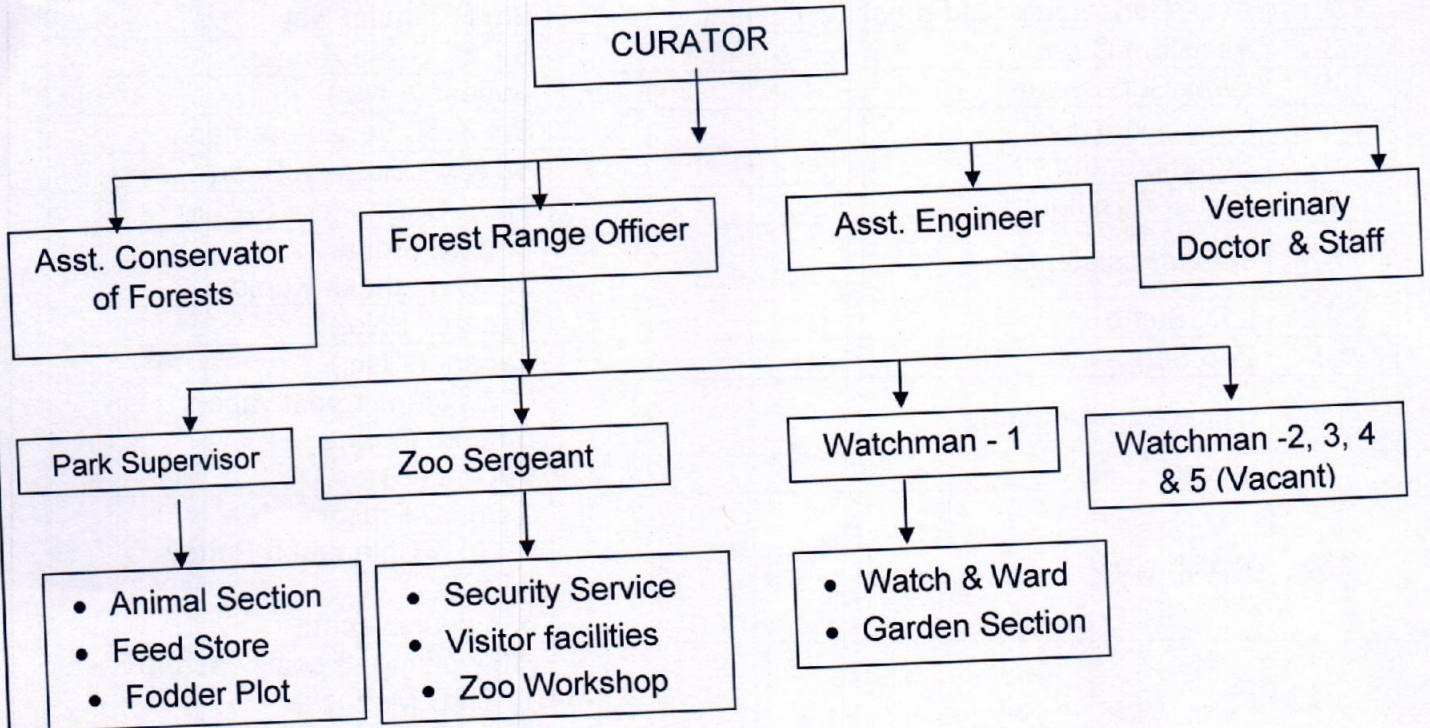
6. About us

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	0877-2249235
6	E-mail address	tirupati.svzoo@gmail.com
7	Website	www.svzoo.com
8	Distance from nearest	Airport: 28 Kms. Railway Station: 8.6Kms. Bus Stand:9Kms.
9	Recognition Valid upto (Date)	27-09-2019
10	Category of Zoo	Large Zoo
11	Area (in Hectares)	1,254.71 Ha.
12	Number of Visitors (Financial Year)	Adults : 5,11,672 Children : 1,36,168 Handicapped: 90 Total Visitors: 6,47,930

S.No.	Particulars	Information
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	Ms. M. Babitha
	Name of the Veterinary Officer	Sri. Dr.TH.Thoiba Singh Sri. Dr.S.P.Arun
	Name of the Curator	Ms. M. Babitha
	Name of the Biologist	P.Josely
	Name of the Education Officer	---
	Name of the Compounder/ Lab Assistant	Sri. R.Hema Sekhar
Owner / Operator of the Zoo		
16	Name of the Operator	Ms. M. Babitha
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 – 2249235 +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	Ms. M. Babitha
2	Asst. Conservator of Forests(WL)	1	Sri. P. Dhana Raj
3	Assistant Curator	1	Sri. M. Selva Kumar
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 Assistants	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-ordinates	2	(1 working, 1 post vacant) Smt. M. Gangadevi
12	Driver	2	Vacant (2 Nos.)
13	Watchman	6	1. Sri. K. Prasad 2. Sri K Chinnabba Reddy (MTS) 3. 4 posts vacant
14	Labourer	12	(10 working, 3 posts vacant) 1. Sri D.Mabasha 2. Sri P.Nagaraja 3. Sri G.Gangadharam 4. Sri D.Dasthagiramma 5. Sr T.Sivaiah 6. Smt P.Kanthamma 7. Sri S.Munirathnam 8. Sri N.Venkatarathnam 9. Sri. T.Munaswamy
15	Helper	5	(5 working) 1. SmtV.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.	M.Vijaya Krishna A.Manohar	Due screening of animals involved in the exchange, against zoonotic diseases and ecto and endo parasites shall be carried up prior to their transportation from the respective zoos etc.,	08.06.2019 to 19.06.2019 (12 days)	Sakkarbaug Zoological Park, Junagadh, Gujarat

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, Prl. Secretary to Government, EFS&T Department.	Member
3.	The Prl. Secy to Government, Tourism Department.	Member
4.	The Prl. Secy to Government, Finance Department (or) Representative.	Member
5.	The Prl. Secretary to Government, MA&UD Department.	Member
6.	The Prl. Chief Conservator of Forests, AP, Hyd (HoFF)	Member
7.	The Prl. Chief Conservator of Forests (WL) and Chief Wildlife Warden, AP, Hyderabad.	Member
8.	Vice Chancellor, S.V. University, Tirupathi.	Member
9.	Executive Officer, Tirumala Tirupati Devasthanamas, Tirupathi.	Member
10.	VC&MD, TUDA, Tirupathi.	Member
11.	District Collector, Chittoor	Member
12.	Conservator of Forests, WLM Circle, Tirupathi.	Member
13.	Curator, SVZP, Tirupathi.	Member

ii. *Non-Official members:* - --Nil--

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

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 Prameela, 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 2019-20

Revenue Collection (2019-20) (Rs.Lakhs)		Expenditure (Rs.)	
(1)	(2)	(3)	(4)
Revenue Collection (Entry fee, Safari, Parking, Four Wheeler, Cloak Room, Battery Operated Vehicle etc.,)	472.965	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)	201.384
Others (Leases etc.,)	133.844	II. Wage Component	284.061
TOTAL	606.809	TOTAL	485.445

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.	

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
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.	
10	Sloth Bear	Carrot (క్యారెట్)	250 Gms.	250 Gms.	
		Banana (అరటిపండ్లు)	800 Gms.	800 Gms.	
		Sweetlime (బల్తాయిలు)	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.			
11	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.	

SI.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
12	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.	
13	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.	
14	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.	
		Carrot (క్యారెట్)	250 Gms.	250 Gms.	
15	Sambar	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.	
		Carrot (క్యారెట్)	200 Gms.	200 Gms.	

SI.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
16	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.	
17	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.	
18	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.	
19	Swamp Deer	Carrot (క్యారెట్)	160 Gms.	160 Gms.	
		Banana (అరటిపండ్లు)	500 Gms.	500 Gms.	
		Cucumber (కీరకాయ)	100 Gms.	100 Gms.	
		Beetroot (బీట్‌రూట్)	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.	

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
20	Mouse Deer	Carrot (క్యారెట్)	50 Gms.	50 Gms.	
		Banana (అరటిపండ్లు)	100 Gms.	100 Gms.	
		Soaked Bengal grams (నానబెట్టినశనగలు)	50 Gms.	50 Gms.	
		Veg Leaves (ఆకుకూరలు)	100 Gms.	100 Gms.	
		Apple (యాపిల్పండు)	50 Gms.	50 Gms.	
		Cucumber (కీరకాయ)	50 Gms.	50 Gms.	
		Poatato (బంగాళాదుంప)	4 Kgs.	4 Kgs.	
		Green grass (పచ్చగడ్డి)	500 Gms.	500 Gms.	
		Hay (ఎండుగడ్డి)	500 Gms.	500 Gms.	
21	Indian Gaur	Carrot (క్యారెట్)	1 Kg.	1 Kg.	
		Banana (అరటిపండ్లు)	500 Gms.	500 Gms.	
		Veg Leaves (ఆకుకూరలు)	500 Gms.	500 Gms.	
		Beetroot (బీట్ రూట్)	1 Kg.	1 Kg.	
		Cucumber (కీరకాయ)	1 Kg.	1 Kg.	
		Pumpkin (గుమ్మడికాయ)	25 Kgs.	25 Kgs.	
		Green grass (పచ్చగడ్డి)	2.5 Kgs.	2.5 Kgs.	
		Cattle feed (పశుదాణా)	5 Kgs.	5 Kgs.	
		Hay (ఎండుగడ్డి)			
		Soaked Greengrams (నానబెట్టినపెసలు)	500 Gms.	500 Gms.	
		Soaked Bengal grams (నానబెట్టినశనగలు)	500 Gms.	500 Gms.	
22	Wild Boar	Carrot (క్యారెట్)	500 Gms.	500 Gms.	
		Poatato (బంగాళాదుంప)	500 Gms.	500 Gms.	
		Veg Leaves (ఆకుకూరలు)	500 Gms.	500 Gms.	
		Beetroot (బీట్ రూట్)	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.	
23	Porcupine	Soaked Bengal grams (నానబెట్టినశనగలు)	200 Gms.	200 Gms.	
		Carrot (క్యారెట్)	25 Gms.	25 Gms.	
		Banana (అరటిపండ్లు)	50 Gms.	50 Gms.	
		Poatato (బంగాళాదుంప)	50 Gms.	50 Gms.	
		Veg Leaves (ఆకుకూరలు)	25 Gms.	25 Gms.	
		Cabbage (క్యాబేజీ)	50 Gms.	50 Gms.	
		Beetroot (బీట్ రూట్)	25 Gms.	25 Gms.	
		Guava (జామపండ్లు)	50 Gms.	50 Gms.	
		Cucumber (కీరకాయ)	100 Gms.	100 Gms.	
Soaked Bengal grams (నానబెట్టినశనగలు)	50 Gms.	50 Gms.			

SI.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
24	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 (చెరుకుగడ)	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.	
25	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 (నానబెట్టినశనగలు)	100 Gms.	100 Gms.	
		Boiled Eggs (ఉడకబెట్టినగుడ్లు)	1 No.	1 No.	
26	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 (యాపిల్పండు)	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 (కాలీఫ్లవర్)	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) (ఉడకబెట్టినగుడ్లు) (మంగళ, శుక్ర & ఆదివారాలు మాత్రమే)	1 No.	1 No.	
		Chicken (Tuesday only) (చికెన్) (మంగళవారం మాత్రమే)	500 Gms.	500 Gms.	

Sl. No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
27	Rhesus Monkey	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.	
		28	Common Langur	Carrot (క్యారెట్)	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.	
29	Mandrill			Carrot (క్యారెట్)	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 (ద్రాక్ష)	50 Gms.	50 Gms.	
		Milk (పాలు)	500 Gms.	500 Gms.	
		Apple (యాపిల్పండు)	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 (ఉడకబెట్టినగుడ్డు)	2 Nos.	2 Nos.	
30	Indian Rock Python	Live Bird (Once a week) (బ్రతికుండేపక్షి) (వారానికొకసారి)	500 Gms.	500 Gms.	

Sl. No	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
31	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.	
32	Mugger Crocodile	Dead Fish (చనిపోయినచేపలు)	250 Gms.	250 Gms.	
33	Salt Water Crocodile	Beef (With bone) (గొడ్డుమాంసముఎముకులతో)	1.5 Kgs.	1.5 Kgs.	Every Tuesday
34	Gharial Crocodile	Live Fish (బ్రతికుండేచేపలు)	1 Kg.	1 Kg.	
35	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.	
36	White Peafowl	Carrot (క్యారెట్)	50 Gms.	50 Gms.	
		Onions (ఉల్లిపాయలు)	100 Gms.	100 Gms.	
		Garlic (వెల్లుల్లి)	5 Gms.	5 Gms.	
		Poultry feed (పౌల్ట్రీఫీడ్)	120 Gms.	120 Gms.	
		Veg Leaves (ఆకుకూరలు)	150 Gms.	150 Gms.	
37	Indian Peafowl	Carrot (క్యారెట్)	50 Gms.	50 Gms.	
		Onions (ఉల్లిపాయలు)	100 Gms.	100 Gms.	
		Garlic (వెల్లుల్లి)	5 Gms.	5 Gms.	
		Poultry feed (పౌల్ట్రీఫీడ్)	120 Gms.	120 Gms.	
		Veg Leaves (ఆకుకూరలు)	150 Gms.	150 Gms.	
38	Pheasant Aviary	Carrot (క్యారెట్)	50 Gms.	50 Gms.	
		Onions (ఉల్లిపాయలు)	100 Gms.	100 Gms.	
		Poultry feed (పౌల్ట్రీఫీడ్)	300 Gms.	300 Gms.	
		Veg Leaves (ఆకుకూరలు)	150 Gms.	150 Gms.	
39	Grey Jungle Fowl	Carrot (క్యారెట్)	50 Gms.	50 Gms.	
		Onions (ఉల్లిపాయలు)	20 Gms.	20 Gms.	
		Poultry feed (పౌల్ట్రీఫీడ్)	300 Gms.	300 Gms.	
		Veg Leaves (ఆకుకూరలు)	150 Gms.	150 Gms.	
		Capsicum (క్యాప్సికం)	20 Gms.	20 Gms.	

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
40	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.	
41	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.	
42	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	

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
43	Jungle Cat	Fish (చేపలు)	100 Gms.	100 Gms.	
		Mutton (మటన్)	100 Gms.	100 Gms.	
44	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.	
45	Rosy pelican	Fish (చేపలు)	1 Kg.	1 Kg.	
46	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.	
47	Night Heron	Small Fish (చిన్న చేపలు)	50 Gms.	50 Gms.	
48	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 (బీట్ రూట్)	160 Gms.	160 Gms.	
		Cucumber (కీరకాయ)	500 Gms.	500 Gms.	
		Watermelon (పుచ్చకాయ)	--	500 Gms.	
49	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 (బీట్ రూట్)	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.	
50	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.	

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
51	Zebra Finch	Millets (చిరుధాన్యాలు)	5 Gms.	5 Gms.	
		Oats (ఓట్స్)	5 Gms.	5 Gms.	
		Coriander Leaves (కొత్తిమీర)	Few	Few	
52	Spoonbill	Minced / small fish	100 Gms.	100 Gms.	
53	Green Winged macaw	Grapes (దాక్ష)	100 Grms	100 Grms	
		Wall nut (వొల్నట్)	2 Nos.	2 Nos.	
		Badam (బాదాం)	2 Nos.	2 Nos.	
		Sunflower Seeds (పొద్దుతిరుగుడు విత్తనాలు)	50 Grms	50 Grms	
		Red Chilli (పండు మెరపకాయలు)	10 Grms	10 Grms	
54	Palm Civet	Mutton (మటన్)	100 Gms.	100 Gms.	
		Banana (అరటి పండ్లు)	100 Gms.	100 Gms.	
		Bread (బ్రెడ్)	50 Gms.	50 Gms.	
		Milk (పాలు)	200 ml.	200 ml.	
		Boiled Egg (ఉడకబెట్టిన గుడ్డు)	1 No.	1 No.	

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-19 Dec-19
2	Large Carnivores	Combined feline calicivirus, feline rhinotracheitis virus and feline panleucopenia	Fel 'O' VAX – 1 Dose	Once in a year	April-19
3	Lesser Carnivores	Rabies	Anti Rabies – 1 Dose	Once in a Year	April-19
4	Lesser Carnivores	Canine distemper virus, Hepatitis, Parvo virus, Para influenza, Leptospirosis	D.H.P.Pi.+L – 1 Dose	Once in a Year	April-19
5	Birds	Rani khet disease	Lasota Strain – 1 Dose/Bird	Once in a Year	April-19

15. De-worming Schedule of animals

SI.No.	Species	Drug used	Month
1	Elephants, Wild Boars, S Reptiles, Carnivores, Sloth Bears, Birds	Albendazole, Fenbendazole, Iver mectin, Levamisole, Praziquintal, Dectomax	April, 2019
2	Birds		May, 2019
3	Herbivores, Carnivores, Sloth Bears, Primates, Birds		June, 2019
4	Wild Boars Reptiles & Birds		July, 2019
5	Wild Boars, Reptiles, Birds		August, 2019
6	Large and Lesser Carnivores, Sloth Bears, Birds		September, 2019
7	Elephants, Wild Boars, Reptiles, Carnivores, Sloth Bears, Birds		October, 2019
8	Birds		November, 2019
9	Herbivores; Carnivores, Sloth Bears, Primates, Birds		December, 2019
10	1. Wild Boars 2. Reptiles, 3. Birds		January, 2020
11	1. Carnivores 2. Sloth Bears 3. Birds		February, 2020
12	1. Herbivores 2. Primates 3. Birds		March, 2020

16. Disinfection Schedule

Sl. No	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Spotted Deer, Muntjac, <i>(Barking deer)</i> , 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, <u>Wild Dogs</u> , <u>Wolf</u> , <i>wolf</i> , Jackals, White Tigers, Sloth Bears, Wild Boars, Porcupine, Primates, Elephants, All Turtles, Elephants,	Open enclosure	Virkon Spray as general disinfectant	Whenever needed

17. Health Check-up of employees for zoonotic diseases

As a part of welfare of zoo employees, a health check-up programme was organised on 25.11.2019 to around 100 zoo employees, duly engaging doctors and personnel from M/s Pathogen Health Care Pvt. Ltd., Tiruchanur, Tirupati and A.R. Multispecialty Clinic & Diagnostics, Srinivasapuram, Tiruchanur Road, Tirupati. During

this programme, blood and sputum samples were collected and screening was done for zoonotic diseases viz., Salmonella, TB, LFT, KFT etc.,

Based on the results of the above tests, a medical camp was conducted, wherein the zoo staff was counselled by specialist doctors and specific treatments were given according to the results of the test.

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

Sl.No.	Name of the Work
1	Providing releasing Paddock in White Tiger Safari in SVZP, Tirupati during 2019-20
2	Providing Sintex Dustbins for waste disposal in SVZP, Tirupati during 2019-20.
3	Maintenance of Primate (Olive Baboon, Rhesus Macaque and Hamadryas Baboon) and Emu enclosures in SVZP, Tirupati during 2019-20
4	Purchase of materials for maintenance of existing pipelines in SVZP, Tirupati 2019-20.
5	Purchase of PVC pipes and gate valves for repairs to pipelines in SVZP, Tirupati 2019-20.
6	Extension and modification to Bison enclosure in SVZP, Tirupati 2019-20.
7	Repairs and maintenance of Zoo Kitchen and Curator Quarters during 2019-20
8	Providing Drainage and Flooring at Animal Rescue Centre (ARC-I & ARC-II) Night Houses in SVZP, Tirupati during 2019-20
9	Construction and Commissioning of 3 Nos. 2 Cum Biogas plants (Deenabandhu Ferro Model) by NREDCAP, Chittoor in SVZP, Tirupati during 2019-20.
10	Procurement of green shadenet 75% towards summer arrangements and prophylactic measures in SVZP, Tirupati during 2019-20.
11	Purchase of PVC pipes and Gate Valves for repairs to pipelines in SVZP, Tirupati during 2019-20.
12	Purchase of materials for laying and maintenance of pipelines in SVZP, Tirupati during 2019-20
13	Procurement of (5 Nos.) Cudde back exchange digital Camera Traps with AA Alkaline Batteries and 16 GB SD Memory in SVZP, Tirupati during 2019-20.
14	Repairs, maintenance and face lifting of the entrance at SVZP, Tirupati during 2019-20.
15	Supply and installation of LED Based Solar Street Lighting System in SVZP, Tirupati during 2019-20.
16	Purchase of equipment (Rug, Antibite Gloves, Snake Rescue Bag etc.) needed for Animal Rescue Operations in SVZP, Tirupati during the year 2019-20.
17	Purchase of materials (Uniform, Neck & chest Guard, Hand Tool Kit etc) need for Animal Rescue Operations in SVZP, Tirupati during the year 2019-20.
18	Purchase of Air Coolers for various animal enclosures in SVZP, Tirupati during the year 2019-20.

19 Procurement of accessories for Tranquilizing Equipments for the purpose of Veterinary Care and Rescue Operations in SVZP, Tirupati during 2019-20.

Sl.No.

Name of the Work

20 Purchase of Materials for laying pipelines from ARC - I underground sump to ARC - II in SVZP, Tirupati during 2019-20.

21 Purchase of PVC and GI Pipes for providing Summer arrangements in ARC - I, ARC - II and Indian Python enclosures in SVZP, Tirupati during the year 2019-20

22 Procurement of Silpaulin 120 GSM (ISI) sheets for pond lining for operation of sprinklers in ARC - II and Lion enclosures in SVZP, Tirupati during 2019-20.

23 Procurement of Tree guards in SVZP, Tirupati during 2019-20

24 Procurement of large size Animal Carrier in SVZP, Tirupati during 2019-20

25 Providing sprinklers to Lion Safari, Indian Python and Parrot World enclosure in SVZP, Tirupati during 2019-20

26 Procurement of Post Mortem Kit for Veterinary Care Unit in SVZP, Tirupati during 2019-20

27 Procurement of Bird Nest (3 Compartments) for enrichment of aviaries in SVZP, Tirupati during 2019-20

28 Purchase of Crusher for Operation of Biogas Units in SVZP, Tirupati during 2019-20

29 Purchase of Aluminum Ladders for maintenace of enclosures in SVZP, Tirupati during 2019-20

19. Education and Awareness programmes during the year

i) Earth Day:

Earth Day was celebrated on 22.04.2019 with the theme "Protect our Species". Thematic competitions were conducted for school children.

ii) World Environment Day

World Environment Day was conducted on 05.06.2019, the theme is "Air Pollution".

ii) Tiger Day:

The Tiger Day was organised in the Zoo Park on 29.07.2019. Banners were erected duly depicting the theme and the need for conservation of tigers, for which there was good response from the visitors.

iii) World Elephant Day:

World Elephant Day was conducted on 12.08.2019 special diet has been provided to the elephants on this occasion.

iv) 65th Vanyaprani Saptah:

'65th Vanyaprani Saptah, 2019' was celebrated from 2nd to 8th October, 2019 in S.V.Zoological Park, Tirupati, starting with October 2nd, marking the birthday of Mahathma Gandhi. The programme was chalked out well in advance by including several activities to encourage active participation of school children right from 6th class to Intermediate. All the activities were focused on "Wildlife and Importance". Competitions were conducted in 2 Categories i.e., Junior (6th to 8th class) and Senior (9th & 10th class and Intermediate) From 31 schools, students visited the zoo during the week, from which 1288 students participated in various competitions. This reflects growing enthusiasm and concern for wildlife among the younger generations.

25th September to 1st October conducted Drawing Competition on the Theme "Animals in the Wild" and the Essay Writing Competition on "Conservation of Wildlife Habitat".

The 1st day i.e., 2nd October started with inauguration of Celebrations with "Maanava Haaram for Wildlife", Awareness Programme on Man – Animal conflict by Kalajatha Team performed programmes for Mitigation Measures related to Leopard, Sloth Bear, Elephant and Snake through songs, Burrakatha, Speeches, Magic Shows etc. creating awareness on different themes like Protection of Endangered Species like Great Indian Bustard, Lesser Falcon, Civet Cat etc., Exhibition on "Man – Animal Conflict and Tranquilizing Equipment" was started by displaying exhibits like Injection Guns, Pistols, Nets, Snake hooks, Protection Jackets, Jungle shoes, Blow pipes, Rescue Van etc., used in rescue operations. Concept Note Competition on the theme "Puranaalalo Vanyapraanula Paatra" was conducted for the students of Sanskrit Vidyapeetham, Tirupati, Open Photography competition on "Inmates of Sri Venkateswara Zoological Park, Tirupati, Quiz Competition on "Forest and Wildlife Conservation" was organized 20 objective type questions were framed. Competition on "Animal Charades", Elocution Competition was conducted on "Degradation of Forests and Wildlife – Measures to be taken"

On the 2nd day i.e. 3rd October, 2019, Magic Show on "Conservation of Forests & Wildlife" by Kalajatha Team creating awareness on different themes and Exhibition on "Man – Animal Conflict and Tranquilizing Equipment".

The 3rd day i.e. 4th October, 2019 Valedictory Function of "65th Vanyaprani Saptah" programme was celebrated at Sri Venkateswara Zoological Park, Tirupati in the gracious presence of Sri. Balineni Srinivasa Reddy, Hon'ble Minister for EFES&T, AP., and inaugurated the E-Cycles, Tree Planting Programme. Release of Brochures on Man - Animal Conflict. Exhibition on "Man - Animal Conflict and Tranquilizing Equipment" was started by displaying exhibits like Injection Guns, Pistols, Nets, Snake hooks, Protection Jackets, Jungle shoes, Blow pipes, Rescue Van etc., used in rescue operations. The Hon'ble Minister felicitated staff of Sri Venkateswara Zoological Park, Tirupati and Indira Gandhi Zoological Park, Vizag with K.V.S. Babu Memorial Award for Excellence, besides addressing the gathering and awarding prizes to the winners and conducting Cultural Programme. Awareness Programme on Man - Animal conflict by Kalajatha Team.

On the 4th day & 5th day i.e. 5th October, 2019 & 6th October, 2019, Awareness programme on Snakes by "Friends of Snakes Society", Hyderabad were invited from this day to perform shows in which different types of snakes i.e., poisonous & non-poisonous were shown to the audience, duly explaining about each snake, their food habits, behaviour, care to be taken etc. There was tremendous response and interest shown by the students, by which we can expect better treatment towards snakes in future. Exhibition on "Man - Animal Conflict and Tranquilizing Equipment" was started by displaying exhibits like Injection Guns, Pistols, Nets, Snake hooks, Protection Jackets, Jungle shoes, Blow pipes, Rescue Van etc., used in rescue operations.

On the 6th day i.e. 7th October, 2019, Screening of movies on Wildlife and Exhibition on "Man - Animal Conflict and Tranquilizing Equipment".

On the 7th day i.e. 8th October, 2019, the 64th 'Vanyaprani Saptah' was concluded with conduction of successful Programme.

v) Forest Martyrs Day:-

Forest Martyrs Day was celebrated on 10.11.2019

vi) Childrens Day:-

Childrens Day was celebrated on 14.11.2019.

vii) International Monkey Day:-

International Monkey Day was conducted on 14.12.2019.

vii) National Wildlife Day :-

National Wildlife Day was organised on 22.02.2020.

ix) World Wildlife Day:

World Wildlife Day was conducted in S V Zoological Park, Tirupati on 03.03.2020 to commemorate the day of Signature of the Convention on International Trade in Endangered Species of Flora and Fauna (CITES). The theme of World Wildlife Day (WWL) 2020 is "Human-Animal Conflict". Various awareness activities including film shows, rally, competitions to students were conducted.

vii) World Sparrow Day:

The Sparrow Day was conducted in S V Zoological Park, Tirupati on 20.03.2020 to protect the little birds and conserve their houses. The theme for 2020 is "I Love Sparrows". Awareness programmes including film shows were conducted to inspire more and more people to understand and celebrate the relationship between people and sparrows.

viii) International Day of Forests:

International Day of Forests was conducted on 21.03.2020 by involving all stakeholders to raise awareness on the importance of forests to people and their vital role in poverty eradication, environmental sustainability and food security. The theme for 2020 is to promote education to 'Forests and Biodiversity' by organizing various activities/awareness programmes.

20. Important Events and happenings

1	22.04.2019	:	Earth Day was celebrated in S.V.Zoological Park, Tirupati.
2	05.06.2019	:	World Environment Day was celebrated in S V Zoological Park, Tirupati
3	09.07.2019	:	IFS Probationers IGNSA and 6 th batch Forest Range Officers Trainees from T.S.Forest Academy, Dulapally, Hyderabad visited S.V.Zoological Park, Tirupati
4	29.07.2019	:	Tiger Day was celebrated in S.V. Zoological Park, Tirupati
5	12.08.2019	:	World Elephant Day was celebrated in S.V. Zoological Park, Tirupati
6	23.08.2019	:	Sri D.Bharath Guptha, IAS., District Collector & Magistrate, Chittoor visited S.V.Zoological Park, Tirupati
7	05.09.2019	:	Sri Venkata Appala Naidu, IPS, SP, Chittoor visited S.V.Zoological Park, Tirupati
8	07.09.2019	:	Sri Naven Theran, G.G.IFS, DFO, Chittoor visited S.V.Zoological Park, Tirupati
9	02.10.2019 to 08.10.2019	:	65 th Vanyaprani Saptah was celebrated in S.V.Zoological Park, Tirupati

10	04.10.2019	:	Sri. Baalineni Srinivasa Reddy, Hon'ble Minister, EFS&T, Sri N. Prateep Kumar, IFS, Prl. Chief Conservator of Forests (HoFF), Andhra Pradesh, Guntur, Sri D. Nalini Mohan, IFS, Prl. Chief Conservator of Forests (WL) & Chief Wildlife Warden, Andhra Pradesh, Guntur were attended the 65 th Vanyaprani Sapthah programme and attended the 9 th Governing Body Meeting of Zoo Authority of Andhra Pradesh in S.V.Zoological Park, Tirupati along with Senior IFS Officers, Conservators and Curator of S.V.Zoological Park, Tirupati and Indira Gandhi Zoological Park, Vizak.
11	09.10.2019	:	Sri A V Dharma Reddy, Addl. EO, TTD, Tirupati visited S.V.Zoological Park, Tirupati
12	04.11.2019	:	A Nivas, IAS., District Collector & Magistrate, Srikakulam visited S.V.Zoological Park, Tirupati
13	10.11.2019	:	Forest Martyrs Day was celebrated in S.V.Zoological Park, Tirupati
14	14.11.2019	:	Children's Day was celebrated in S.V.Zoological Park, Tirupati
15	26.11.2019	:	Medical camp for screening against zoonotic diseases was conducted for the animal keepers of SVZP, Tirupati
16	30.11.2019	:	Health Advisory Committee meeting conducted in S.V.Zoological Park, Tirupati.
17	04.12.2019	:	26 Nos. Forest Range Officer trainees from Uttaranchal Forest Training Academy visited the zoo on 04.12.2019.
18	09.12.2019	:	Dr R. Suresh Kumar, Scientist E, Dept. of Endangered Species Managemnt, Wildlife Institute of India, Dehradun visited S.V.Zoological Park, Tirupati
19	14.12.2019	:	International Monkey Day was celebrated in S.V.Zoological Park, Tirupati
20	02.01.2020	:	Sri Chintha Mohan, Ex MP, Tirupati visited S.V.Zoological Park, Tirupati
21	11.01.2020	:	Sri Y M Reddy, IFS., Secretary (Co.Op & Marketing) visited S.V.Zoological Park, Tirupati
22	27.01.2020	:	Sri Lal Chand, IFS., (Retd.), J & K, Sri B Murali Krishna, IFS., PCCF (Retd.), AP and Sri Umendra Sharma, IFS., PCCF (Retd.), UP visited S.V.Zoological Park, Tirupati.
23	20.2.2020 & 21.02.2020	:	Sri Sanjay Thakre, I.F.S.,(Retd), Central Zoo Authority, New Delhi was inspected S.V.Zoological Park, Tirupati.
24	22.02.2020	:	National Wildlife Day was celebrated in S.V.Zoological Park, Tirupati
25	03.03.2020	:	World Wildlife Day was celebrated in S V Zoological Park, Tirupati
26	20.03.2020	:	World Sparrow Day was celebrated in S V Zoological Park, Tirupati
27	21.03.2020	:	International Day of Forests 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 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 palmyrah 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, etc.,
- Providing glucose, mineral mixture, electral 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 chainlink 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-22, Female-21, Unknown-23) by the end of the financial year 2019-20.

24. Animal acquisition / transfer / exchange during the year

A. Animals arriving in the Zoo				
Sl.NO.	Species	Number (M:F)	From which Zoo	Date of arrival in the zoo
1	Asiatic Lion	1:1	Sakkarbaug Zoological Park, Junagadh, Gujarat	24.10.2019
2	Demosile Crane	1:1		
3	Rosy Pelican	1:1		
4	Zebra Finch	2:2		
5	Barking Deer	1:1		
6	Thamin Deer	1:1		
7	Sponbill	1:1		
8	Chinkara	2:2		
9	Night Heron	5:5	Chamarajendra Zoological Park, Mysuru	24.01.2020
10	Black Swan	1:1		
11	Plum Headed Parakeet	1:1		

B. Animals going from the zoo				
SI.NO.	Species	Number (M:F)	Going to which Zoo	Date of deposition from the zoo
1	Jackal	1:1	Sakkarbaug Zoological Park, Junagadh, Gujarat	19.10.2019
2	Sloth BEar <i>Bear</i>	1:1		
3	Indian Gaur	1:1		
4	Bengal Tiger (White)	1:0		
5	Porcupine	1:1		
6	Grey Jungle Fowl	4:4	Chamarajendra Zoological Park, Mysuru	23.01.2020

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	02.04.2019	<i>Sloth Bear</i> 0:1:0	Nandragunta, Penumur Mandal, Chittoor	02.04.2019	<i>Released in their habitat as the animal was healthy</i>
2	12.04.2019	<i>Sloth Bear</i> 1:0:0	Dornakambala, Chandragiri Mandal, Chittoor	12.04.2019	11--

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 01.04.2019				During the year												Stock as on 31.03.2020			
						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 PEA FOWL (<i>Pavo cristatus</i>)	4	6	3	13	-	-	-	-	-	-	-	-	-	1	-	-	3	6	3	12
2	WHITE PEA FOWL (<i>Pavo cristatus</i>)	3	4	0	7	-	-	-	-	-	-	-	-	-	-	1	-	3	3	0	6
3	GREY JUNGLE FOWL (<i>Gallus sonneratai</i>)	3	3	0	6	-	-	-	-	-	-	-	-	-	1	-	-	2	3	0	5
4	KHALEEJ PHEASANT (<i>Lphura leucomelanos</i>)	1	0	0	1	-	-	-	-	-	-	-	-	-	-	-	-	1	0	0	1
5	SPOONBILL (<i>Platalea leucorodia</i>)	0	0	0	0	-	-	-	-	-	1	-	-	-	-	-	-	0	0	1	1
	Total Birds:-	11	13	3	27	-	-	-	-	-	1	-	-	-	2	1	-	9	12	4	25
	<u>MAMMALS</u>																				
1	BLACK BUCK - (KRISHNA MRUG) (<i>Antilope cervicapra</i>)	25	20	17	62	-	-	12	-	-	-	-	-	-	1	1	-	37	35	0	72

Sl. No.	Species	Stock as on 01.04.2019				During the year												Stock as on 31.03.2020			
						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 (CHOWSINGHA) (<i>Tetraceros quadricornis</i>)	5	4	0	9	1	-	-	-	-	-	-	-	-	1	-	-	5	4	0	9
3	ASIAN ELEPHANT (<i>Elephas maximus</i>)	3	3	0	6	-	-	-	-	-	-	-	-	-	-	-	-	3	3	0	6
4	JACKAL (<i>Canis aureus</i>)	5	5	4	14	-	-	-	-	-	-	1	1	-	1	-	-	5	6	0	11
5	LEOPARD or PANTHER (<i>Panthera pardus</i>)	4	3	0	7	-	-	-	-	-	-	-	-	-	-	-	-	4	3	0	7
6	ASIATIC LION (<i>Panthera leo</i>)	0	0	0	0	-	-	-	1	1	-	-	-	-	-	-	-	1	1	0	2
7	LION (<i>Panthera leo</i>)	9	6	0	15	-	-	-	-	-	-	-	-	-	1	-	-	8	6	0	14
8	SLOTH BEAR (<i>Melursus ursinus</i>)	4	5	0	9	-	-	-	-	-	-	1	1	-	-	-	-	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>)	3	5	0	8	-	-	5	-	-	-	1	-	-	-	-	-	5	7	0	12
11	RHESUS MACAQUE (<i>Macaca mulatta</i>)	9	7	0	16	-	-	-	-	-	-	-	-	-	1	-	-	8	7	0	15
12	COMMON LANGUR (<i>Presbytis entellus</i>)	3	1	0	4	-	-	1	-	-	-	-	-	-	-	-	-	4	1	0	5

Sl. No.	Species	Stock as on 01.04.2019				During the year												Stock as on 31.03.2020				
						Births			Acquisition			Disposals			Deaths							
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
	MAMMALS																					
13	WILD DOG or DHOLE (<i>Cuon alpinus</i>)	1	4	0	5	-	-	5	-	-	-	-	-	-	-	-	-	1	4	5	10	
14	SWAMP DEER (<i>Cervus duvauceli</i>)	0	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	0	1	0	1	
15	GAUR / INDIAN BISON (<i>Bos gaurus</i>)	3	5	0	8	3	1	-	-	-	-	1	1	-	-	-	-	5	5	0	10	
16	INDIAN WOLF (<i>Canis lupus pallipes</i>)	1	1	0	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0	2	
17	MOUSE DEER (<i>Tragulus meninna</i>)	0	2	2	4	-	-	-	-	-	-	-	-	-	-	1	-	0	1	2	3	
18	JUNGLE CAT(<i>felis chaus</i>)	1	0	0	1	-	-	-	-	-	-	-	-	-	-	-	-	1	0	0	1	
19	PALM CIVET (<i>Paradoxurus hermaphroditus</i>)	0	0	0	0	-	-	-	-	-	1	-	-	-	-	-	-	0	0	1	1	
20	CHINKARA (<i>felis chaus</i>)	0	0	0	0	-	-	-	2	2	-	-	-	-	1	-	-	1	2	0	3	
	TOTAL MAMMALS	78	74	23	175	4	1	23	3	3	1	4	3	-	6	2	-	94	93	8	195	
	REPTILES																					
1	CROCODILES MARSH (MUGGER) (<i>Crocodilus palustris</i>)	0	0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	0	0	1	1	

Sl. No.	Species	Stock as on 01.04.2019				During the year												Stock as on 31.03.2020			
						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>REPTILES</u>																				
2	SALT WATER CROCODILE (<i>Crocodilus porosus</i>)	1	2	0	3	-	-	3	-	-	-	-	-	-	-	-	-	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>)	43	69	0	112	-	-	-	-	-	-	-	-	-	1	-	-	42	69	0	111
7	PYTHON (<i>Python molurus</i>)	0	0	5	5	-	-	-	-	-	-	-	-	-	-	-	-	0	0	5	5
	TOTAL REPTILES	45	71	30	146	-	-	3	-	-	-	-	-	-	1	-	-	44	71	33	148
	TOTAL ANIMALS	134	158	56	348	4	1	26	3	3	2	4	3	0	9	3	0	147	176	45	368

Sl. No.	Species	Stock as on 01.04.2019				During the year												Stock as on 31.03.2020			
						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	FOWL PAINTED SPUR (<i>Gallus rdix lunulata</i>)	1	2	0	3	-	-	-	-	-	-	-	-	-	-	-	-	1	2	0	3
13	STORK PAINTED (<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 cyanocephala</i>)	9	5	4	18	-	-	-	-	-	-	-	-	-	-	-	-	9	5	4	18
16	PLUM HEADED PARAKEET (<i>Psittacula cyanocephala</i>)	2	1	0	3	-	-	-	1	1	-	-	-	-	-	-	-	3	2	0	5
17	HERON PURPLE (<i>Ardea plurpurea</i>)	0	0	6	6	-	-	-	-	-	-	-	-	-	-	-	-	0	0	6	6
18	RAIN BOW LORY	0	0	1	1	-	-	-	-	-	-	-	-	-	-	-	-	0	0	1	1
19	PARAKEET ROSE RING (<i>Psittacula Krameri</i>)	22	20	10	52	-	-	-	-	-	-	-	-	-	-	-	-	22	20	10	52
20	PHEASANT SILVER (<i>Lophura nycthemera</i>)	5	5	0	10	-	-	-	-	-	-	-	-	-	1	1	-	4	4	0	8
21	PARAKEET SLATY HEADED (<i>Psittacula himalyans</i>)	2	3	0	5	-	-	-	-	-	-	-	-	-	-	-	-	2	3	0	5

Sl. No.	Species	Stock as on 01.04.2019				During the year													Stock as on 31.03.2020			
						Births			Acquisition			Disposals			Deaths							
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
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	IBIS WHITE (<i>Threskiornis acthiopica</i>)	0	0	56	56	-	-	3	-	-	-	-	-	-	-	-	-	0	0	59	59	
25	PHEASANT RING NECKED (<i>Chrysolophus pictus</i>)	5	1	0	6	-	-	-	-	-	-	-	-	-	-	-	-	5	1	0	6	
26	GOLDEN PHEASANT (<i>Chrysolophus pictus</i>)	3	1	0	4	-	-	-	-	-	-	-	-	-	1	-	-	2	1	0	3	
27	RED JUNGLE FOWL (<i>Gallus gallus</i>)	3	4	4	11	-	-	-	-	-	-	-	-	-	1	-	-	2	4	4	10	
28	ALEXENDRIAN PARAKEETS (<i>Psittacula eupatria</i>)	25	17	0	42	-	-	-	-	-	-	-	-	-	2	1	-	23	16	0	39	
29	RED SPURFOWL (<i>Gallopedix spadicea</i>)	0	4	0	4	-	-	-	-	-	-	-	-	-	-	-	-	0	4	0	4	
30	EMU (<i>Dromaius novaehollandicea</i>)	0	0	19	19	-	-	-	-	-	-	-	-	-	-	-	1	0	0	18	18	

Sl. No.	Species	Stock as on 01.04.2019				During the year												Stock as on 31.03.2020			
						Births			Acquisition			Disposals			Deaths						
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
	LADY AMHERST PHEASANT (<i>Chrysolophus amherstia</i>)	1	0	0	1	-	-	-	-	-	-	-	-	-	1	-	-	0	0	0	0
31	RED-CROWNED AMAZON (<i>Amazona autumnalis</i>)	1	1	0	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0	2
32	ROSY PELICAN (<i>Pelecanus -roseus</i>)	0	1	0	1	-	-	-	1	1	-	-	-	-	-	-	-	1	2	0	3
33	HOUSE SPARROW (<i>Passer domesticus</i>)	4	5	0	9	-	-	-	-	-	-	-	-	-	-	-	-	4	5	0	9
34	GREEN WINGED MACAW (<i>Ara chloroptera</i>)	1	1	0	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0	2
35	ELECTUS PARROT (<i>Electus roratus</i>)	1	0	0	1	-	-	-	-	-	-	-	-	-	-	-	-	1	0	0	1
36	SUN CONURE (<i>Aratinga solstitialis 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

Sl. No.	Species	Stock as on 01.04.2019				During the year												Stock as on 31.03.2020			
						Births			Acquisition			Disposals			Deaths						
		M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
40	LIVINGSTONE TURACO (<i>Tauraco livingstonii</i>)	1	1	0	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0	2
41	OSTRICH (<i>Struthio camelus</i>)	1	1	0	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0	2
42	BLACK SWAN (<i>Cygnus atratus</i>)	1	1	0	2	-	-	-	1	1	-	-	-	-	-	-	-	2	2	0	4
43	DEMOISELLE CRANE (<i>Grus virgo</i>)	0	0	0	0	-	-	-	1	1	-	-	-	-	-	-	-	1	1	0	2
44	ZEBRA PINCH (<i>Taeniopygia guttata</i>)	0	0	0	0	-	-	-	1	2	-	-	-	-	-	-	-	1	2	0	3
45	NIGHT HERON (<i>Nycticorax nycticorax</i>)	0	0	0	0	-	-	-	5	5	-	-	-	-	-	-	-	5	5	0	10
	TOTAL BIRDS:	116	91	285	492	-	-	3	10	11	-	-	-	-	6	2	1	120	100	287	507
	<u>MAMMALS</u>																				
1	NILGAI - BLUE BULL (<i>Bose laphus tragocamelus</i>)	3	6	0	9	-	-	-	-	-	-	-	-	-	-	1	-	3	5	0	8
2	DEER SAMBAR (<i>Cervus unicolor</i>)	21	23	9	53	-	-	10	-	-	-	-	-	-	1	-	-	26	28	8	62
3	DEER SPOTTED - (CHITAL) (<i>Axis axis</i>)	26	30	21	77	-	-	9	-	-	-	-	-	-	-	-	-	37	41	8	86

Sl. No.	Species	Stock as on 01.04.2019				During the year												Stock as on 31.03.2020			
						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>)	2	2	7	11	-	-	4	-	-	-	-	-	-	-	-	-	5	6	4	15
3	HYAENA STRIPPED (<i>Hyaena hyeana</i>)	1	0	0	1	-	-	-	-	-	-	-	-	-	1	-	-	0	0	0	0
5	OLIVE BABOON (<i>Papio cynocephalus</i>)	1	0	0	1	-	-	-	-	-	-	-	-	-	-	-	-	1	0	0	1
6	INDIAN PORCUPINE (<i>Hystrix indica</i>)	4	2	2	8	-	-	2	-	-	-	1	1	-	-	-	-	3	1	4	8
7	BARKING DEER (<i>Muntiacus muntjak</i>)	2	5	2	9	-	-	-	1	1	-	-	-	-	3	-	-	2	6	0	8
8	HOG DEER (<i>Axis procinus</i>)	0	1	6	7	1	-	-	-	-	-	-	-	-	2	1	-	4	1	0	5
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 (<i>Papio hamadryas</i>)	0	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	0	1	0	1
12	THAMIN BARKING (<i>Muntiacus muntjak</i>)	0	0	0	0	-	-	-	1	1	-	-	-	-	-	-	-	1	1	0	2
	TOTAL MAMMALS:	62	71	47	180	1	-	25	2	2	-	1	1	-	7	2	0	84	91	24	199
	TOTAL ANIMALS:	178	162	332	672	1	0	28	12	13	0	1	1	0	13	4	1	204	191	311	706

GREY JUNGLE FOWL

Sl. No.	Species	Stock as on 01.04.2019				During the year												Stock as on 31.03.2020			
						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	JUNGLE FOWL GREY (<i>Gallus sonneratii</i>) Breeding Centre	28	26	23	77	-	-	-	-	-	-	4	4	-	2	-	-	22	22	23	67
TOTAL :		28	26	23	77	-	-	-	-	-	-	4	4	-	2	-	-	22	22	23	67

ANIMAL RESCUE CENTRE

Sl. No.	Species	Stock as on 01.04.2019				During the year												Stock as on 31.03.2020			
						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>RESCUE ANIMALS</u>																					
1	LION (<i>Panthera leo persica</i>)	2	6	-	8	-	-	-	-	-	-	-	-	-	2	-	-	0	6	0	6
TOTAL ANIMALS:		2	6	-	8	-	-	-	-	-	-	-	-	-	2	-	-	0	6	0	6

ABSTRACT

Sl. No.	Type	Sch.I&II	Others	Total
1	Birds	25	507	532
2	Mammals	195	199	394
3	Reptiles	148	-	148
	Total	368	706	1074
4	A.R.C.		-	6
5	G.J.F.		-	67
Grand Total:				1147

27. Mortality of animals

**STATEMENT SHOWING ANIMALS AND BIRDS DEATH REPORT OF S.V.
ZOOLOGICAL PARK, TIRUPATI From 1st April, 2019 to 31st March, 2020**

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	Silver Pheasant	16.05.2019	Female	04/2019-20	Tumour growth of the ovary
2	White Peafowl	11.06.2019	Female	05/2019-20	Severe head and neck injuries (Infighting injuries)
3	Grey Jungle Fowl	05.08.2019	Male	08/2019-20	Head and Body injuries - Traumatic shock
4	Alexandrine Parakeet	25.08.2019	Male	10/2019-20	Severe Head injury due to Predator attack
5	Alexandrine Parakeet	25.08.2019	Male	11/2019-20	Severe Head injury due to Predator attack
6	Alexandrine Parakeet	25.08.2019	Female		Head and Neck injuries - Traumatic shock
7	Grey Jungle Fowl (GJF)	24.09.2019	Male	14/2019-20	Renal Failure due to Visceral gout
8	Golden Pheasant	19.11.2019	Male	20/2019-20	Liver cirrhosis, Renal carcinoma, senility
9	Red Jungle Fowl	21.11.2019	Male	21/2019-20	Senility and inanition
10	Lady Amherst Pheasant	11.12.2019	Male	22/2019-20	Skin Carcinoma
11	Peacock	11.02.2020	Male	26/2019-20	Traumatic shock, due to fracture of cervical vertebrae
12	Emu	29.02.202	Male	28/2019-20	Snake bite
13	Grey Jungle Fowl Breeding Centre (Leg band No. 0370/CZA)	29.02.202	Male	29/2019-20	Senility
14	Silver Pheasant	23.03.2020	Male	32/2019-20	Head injury traumatic shock
II.	<u>Mammals</u>				
1	Hog Deer	01.04.2019	Female	01/2019-20	Traumatic shock and Internal hemorrhage.
2	Barking Deer	19.04.2019	Male	02/2019-20	Internal hemorrhage (due to rupture of spleen).
3	Lion Cub	02.05.2019	Male	03/2019-20	Intestinal Lymphosarcoma
4	Barking Deer (Muntjac)	22.06.2019	Male	06/2019-20	Traumatic shock

5	Black Buck	23.07.2019	Female	07/2019-20	Pelvic bone fracture and Traumatic shock
6	Barking Deer (Munjac)	19.08.2019	Male	09/2019-20	Suspected Botulism
7	Jackal	14.09.2019	Male	13/2019-20	Senility with Hydropericardium & Nephritis.
8	Hyena	29.09.2019	Male	15/2019-20	Chronic obstructive Bronchitis
9	Hog Deer	06.10.2019	Male	16/2019-20	Chronic Suppurative Pneumonia
10	Hog Deer	14.10.2019	Male	17/2019-20	Suppurative and obstructive Pneumonia
11	Chowsingha	12.11.2019	Male	18/2019-20	Peritonitis due to rupture of rumen
12	Nilgai	12.11.2019	Female	19/2019-20	Torsion of colon
13	Macaque Rhesus	15.12.2019	Male	23/2019-20	Injuries, Hemorrhage & Traumatic shock
14	Chinkara	30.01.2020	Male	24/2019-20	Suppurative Lung Gastroenteritis
15	Black Buck	08.02.2020	Male	25/2019-20	Traumatic shock
16	Sambar Deer	11.02.2020	Male	27/2019-20	Senility and body injuries
17	Mouse Deer	02.03.2020	Female	30/2019-20	Urethral obstruction by calculi
III. Reptiles					
1	Star Tortoise	16.03.2020	Male	31/2019-20	Predator attack
IV. Animal Rescue Centre					
1	Lion (Syam)	27.10.2019	Male	01/2019-20	Senility and multi organ failure
2	Lion (Shankar)	20.11.2019	Male	02/2019-20	Tumors of liver Haemorrhage due to rupture of liver tumors

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. While construction of protection wall is completed over a length of 11Kms, construction is under progress for the remaining perimeter of 2kms surrounded by human landscape, and the work is under progress.
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	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 is completed for a length of 11Kms, construction is under progress for the remaining perimeter of 2 kms surrounded by human landscape. 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.

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 equipments 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 equipments added are ELISA reader, Ophthalmoscope, Otoscope, laryngoscope, Dental care kit, Postmortem kit. Some costly equipments 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 a 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 persued 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 Addl. Prl. Chief Conservator of Forests, Wildlife Management Circle, & Chief Wildlife Warden, Andhra Pradesh
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.

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

Mammals

- Leopard
- Wild Dog
- Sloth Bear
- Wild Boar
- Spotted Deer
- Sambar

Birds

- Peafowl
- Grey Jungle Fowl
- Partridge
- Pond Heron
- Painted Spur Fowl
- Jungle Bush Quail

- Porcupine
- Jackal
- Jungle Cat
- Mouse Deer
- Small Indian Civet
- Common Langur
- Pangolin
- Slender Loris
- Small Indian Mongoose

Reptiles

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

- Spotted Dove
- Rose Ringed Parakeet
- Quail
- Indian Roller
- Kestrel
- Jungle Crow
- House Sparrow

Uthappa

Curator,
S.V.Zoological Park,
Tirupati.

[Signature]
6/7/2020

[Signature]
6/7/2020