

KAKATIYA ZOOLOGICAL PARK,
WARANGAL

ANNUAL REPORT
FOR THE YEAR 2017-18



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1. Report of the Officer-in-Charge :

- Since the Zoo fall inside the Greater Warangal Municipal Corporation (GWMC) area, the Smart City funds are awaited to take up improvement works with reference to Sewage treatment plant for already existing sewage canals.
- After Nehru Zoological Park, Hyderabad, this is the second biggest Zoo and patronage is very much encouraging. Permission for introducing Bison (Indian Gaur), as already Bison enclosure is ready and regarding Tiger introduction also are awaited from Central Zoo Authority.
- Recently 40.00 acres hillock area is attached to Kakatiya Zoological Park, Warangal has been assigned by Revenue department. This is very ideal for Sloth Bear Safari. If financial assistance is extended by the Central Zoo Authority, this activity can be taken up by fencing and road formation and shelters etc.,
- There is a need for a Reptile house, if permitted and financed the work can be taken up.

Sd/- K.Purushotham,
(FAC) District Forest Officer,
Warangal Urban & Jangaon.

2. History of the Zoo

Warangal is one of the most important historical places in the Telangana state. It is attracting many people by its rich heritage and historical values. It was ruled by the Kings of Kakatiya dynasty. The famous among the dynasty were Rudramadevi and Prathaparudra, they constructed Thousand Pillars Temple, BadraKali Temple, Siddeshwara Temple, Padmakshi Temple, Mettu Ramalingeshwara Temple, Ramappa Temple, Laknavaram Tank etc.,

The Forest department with the help of district administration had set up a Zoological Park called Vana Vigyan Kendra in order to enrich awareness about wildlife conservation i.e., Ex-situ conservation of Wildlife. It is a place of relief and recreation like Picnic Spot as well as Environmental Education Center. It is a right place to educate the students and citizens about nature by bringing them close to Wild Life and this place also few recreational values.

The Kakatiya Zoological Park which was earlier knows as Vana Vigyan Kendra, is a wilderness zone in the heart of the concrete jungle of tri cities of Kazipet, Hanamkonda, Warangal where one is assured of peace and tranquility by its thick tree growth.

The then Governor of Andhra Pradesh **Dr. Sri Shankar Dayal Sharma** laid the foundation stone for this Wilderness area and named it as Vana Vigyan Kendra on 16-01-1985. Since then in phased manner this Vana Vigyan Kendra has been developed by the Forest Department. During 1987 Sri Muddu Krishnama Naidu the then Minister for Forest and Environment opened, Birds and Reptiles enclosures to the Public. In the year 1988 Children's Play area was set up and equipped. It was proposed to construct more number of enclosures to display the animals in their natural surroundings.

The Kakatiya Zoological Park, Warangal is supported by EEC where people can learn more about the Nature and its diversity especially on Wild Animals. The EEC also educating people by conducting celebration slide and Film shows about Wild Life.

This Kakatiya Zoological Park began expanding slowly with addition of new enclosures every year. Central Zoo Authority of India recognized the Vana Vigyana Kendra as a **Mini Zoo** vide Ref.No. F.No. 19-141/93-CZA (7) (M), Dt: 21-02-2006. due to good efforts for its development made by the Forest Department, it was upgraded as **Small Zoo** by the Central Zoo Authority of India on 01.01.2014.

Proposals have been sent to the Central Zoo Authority of India, New Delhi for up gradation of this Zoo from **Small Zoo to Medium Zoo** category, it has the eligible parameters as per the Central Zoo Authority norms.

The name of Vana Vigyana Kendra (Small Zoo), Warangal has been renamed as Kakatiya Zoological Park, Warangal by State ZAPAT Committee and Inaugurated by Hon'ble Deputy Chief Minister of Telangana State on 01.03.2017.

3. Vision

- Vision is to protect procure and conserve the diversity of wild animal species through ex-situ conservation

4. Mission

- To Educate the children and citizens about wildlife and environment through live displays and live models, film shows, lectures, celebration of notational and international important days, organizing extracurricular activities etc.,
- To Improve the conservation of rare and endangered species.
- To Rescue and rehabilitate wild animals, which accidentally stray into the human habitation and to Reduce the human animal conflict.
- Provide wholesome recreation for the density populated urban landscape.
- To exhibit the animals in a better way to its natural habitat.

5. Objective

- To promote wildlife consciousness and its conservation and Breeding.
- To create awareness about nature and its diversity
- To make people to understand environment needs and its protection.
- To rehabilitate the birds and animals.
- To exhibit the fauna in a more naturalistic surroundings.
- To acquire wide spectrum of species, both indigenous & exotic and exhibit them in spacious enclosures.

6. About us

S.No.	Particulars	Information
1.	Name of the Zoo	Kakatiya Zoological Park, Warangal
2.	Year of Establishment	1985
3.	Address of the Zoo	Hunter Road, Hanamkonda, Warangal
4.	State	Telangana
5.	Telephone Number	0870-2431546
6.	Fax Number	--
7.	E-mail address	dfowglurban@gmail.com & frozoowgl@gmail.com
8.	Website	--
9.	Distance from nearest	Airport: Hyderabad (170 Kms)
		Railway Station: Warangal (6 Kms)
		Bus Stand: Hanamkonda (2.60 Kms)
10.	Recognition Valid up to (Date)	05.05.2018.
11.	Category of Zoo	Small Zoo
12.	Area (in Hectares)	19.22
13.	Number of Visitors (Financial Year)	Adult : 280997 Nos
		Children: 100320 Nos
		Total Indian: 381317 No.s
		Total Foreigners : ---
		Total Visitors : 381317 No.s
14.	Visitor's Facilities Available in Zoo	Toilets, Sitting arrangements, Canteen, Shelters etc.,
15.	Weekly Closure Day of the Zoo	Monday
16	Name with Designation of the Officer-in-charge	Sri K.Purushotham, SFS., District Forest Officer
	Name of the Veterinary Officer	Dr Ch. Praveen Kumar
	Name of the Curator	--
	Name of the Biologist	--
	Name of the Education Officer	--
	Name of the Compounder /Lab Assistant	N. Akesh
17	Name of the Operator	Sri K.Purushotham, S.F.S.,
18	Address of the Operator	O/o District Forest Officer, Warangal Urban & Jangaon
19	Contact Details/Phone number of Operator	9440810093
20	E-mail address of Operator	dfowglurban@gmail.com

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

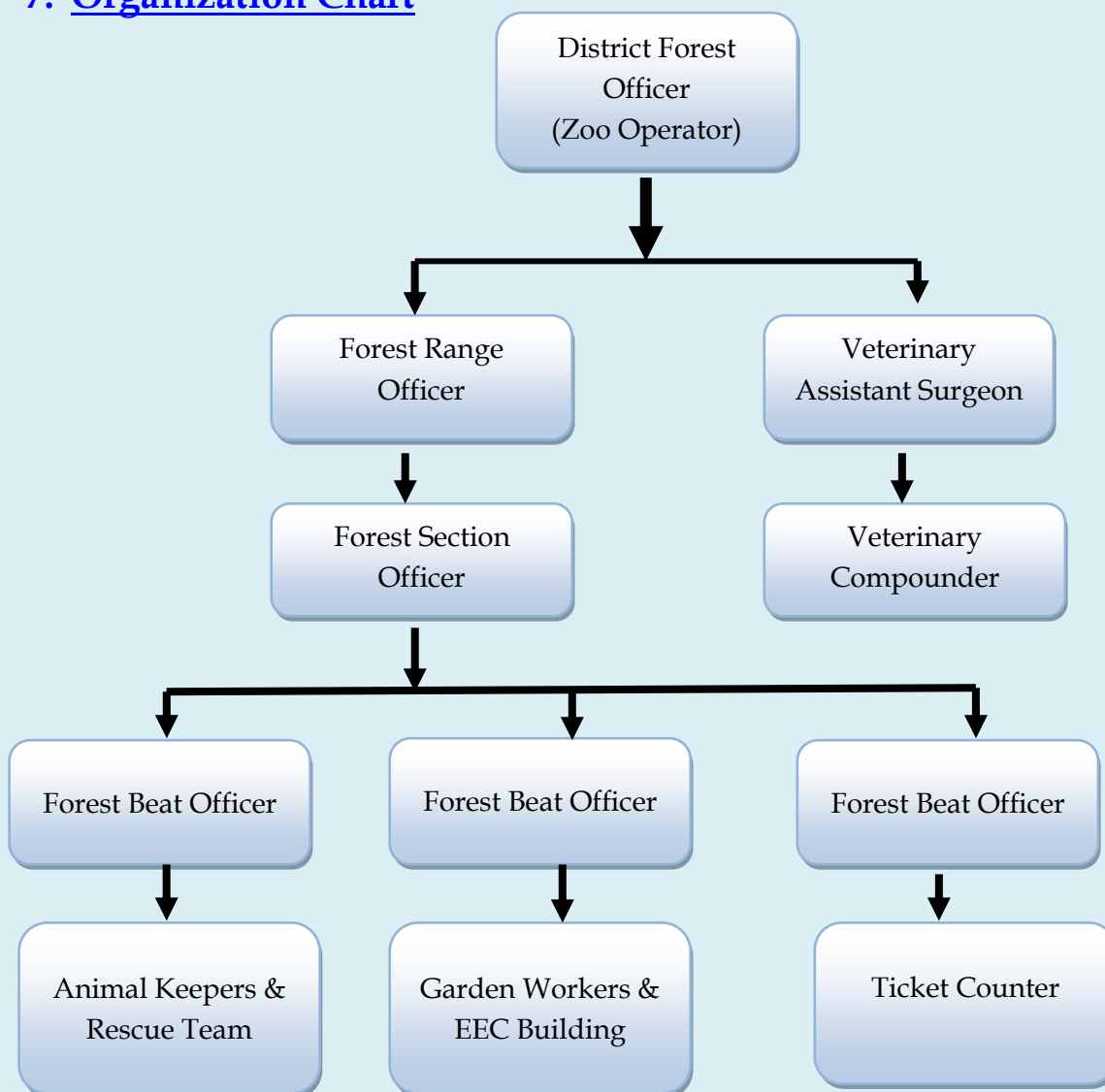
“Zoo Operator” means the person who has ultimate control over the affairs of the zoos provided that_____

I. In the case of a firm or other association of individuals, any one of the individual partners or members thereof; or

II. In the case of a company, any director, manager, secretary or other officer, who is in-charge of and responsible to the company for the affairs of the zoo; or

III. In case of zoo owned or controlled by the Central Government or any State Government or Union Territory Administration or any Trust or Society funded by the Central Government or a State Government or a Union Territory Administration, the Secretary of the concerned Department of that Government, or as the case may be the Union Territory Administration, shall be deemed to be the Zoo Operator.

7. Organization Chart



8. Human Resources

Manpower of the Zoo*

S.No	Designation	Number of Sanctioned Posts	Name of the incumbent
1	Forest Range Officer	1	Sri P.Punnam Chandar
2	Forest Section Officer	1	Sri D.Ramdas
3	Forest Beat Officer	3	Smt K.Swapna
			Smt Sk.Jareena
			Sri P. Ashok

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	Dr Ch. Praveen Kumar, Veterinary Asst. Surgeon, In-charge Veterinarian, Kakatiya Zoological Park, Warangal Urban.	Wild life Emergencies to the Government Veterinarians working in forest fringe areas	05.03.2018 to 09.03.2018	Madras Veterinary College, Chennai, Tamilnadu.

10. Zoo Advisory Committee

- a) Date of Constitution
- b) Members
- c) Dates on which Meetings held during the year

11. Health Advisory Committee

- a) Date of Constitution
- b) Members
- c) Dates on which Meetings held during the year

Committee will
be formed shortly

12. Statement of income and expenditure of the Zoo

S.No	Month	Adults	Children	Camera	Total Visitors	Entry Fee	Battery Vehicle	Canteen Rent	Vehicle Parking	Total Revenue Amount
1	2	3	4	5	6	7	8	9	10	11
1	Apr-17	29376	8427	105	37803	672840	10860	16000	15000	714700
2	May-17	28406	9343	130	37749	662850	18240	16000	15000	712090
3	Jun-17	23926	6290	148	30216	542800	15070	26900	24000	608770
4	Jul-17	25025	5708	111	30733	558690	16050	26900	24000	625640
5	Aug-17	18096	3400	110	21496	397020	11280	26900	24000	459200
6	Sep-17	19645	5799	136	25444	452250	10390	26900	24000	513540
7	Oct-17	23344	5549	109	28893	527100	4890	26900	24000	582890
8	Nov-17	26317	15706	416	42023	688560	7230	26900	24000	746690
9	Dec-17	30360	19449	1241	49809	816640	12060	26900	24000	879600
10	Jan-18	23546	8308	1052	31854	564520	10950	26900	24000	626370
11	Feb-18	16673	7472	778	24145	415960	7800	26900	24000	474660
12	Mar-18	16283	4869	996	21152	378040	6870	26900	24000	435810
	Total	280997	100320	5332	381317	6677270	131690	301000	270000	7379960

Expenditure :

Sl. No.	Name of the Component	APO 2017-18		Expenditure	
		Phy.	Fin.	Phy	Fin
1	2	3	4	5	6
I	Fodder, Diet and maintenance				
a	Development and maintenance of fodder plots	2	1.000	2	0.84335
b	Cost of Plants (Ornamental & Shade, Fruit bearing)	200	0.500		
	Sub Total:		1.500		0.84335
II	Veterinary Care for Wild Animals				
a	Cost of Medicines to the Wild Animals and Birds	A/a	1.000	A/a	3.70990
b	Cost of Tranquilizing Equipments	A/a	0.50000		
c	Cost of Disinfectants	A/a	0.25000		
	Sub Total :		1.750		3.70990
III	Maintenance of Lawns				
a	Maintenance of Butterfly park	1416 Sqm	2.500	13624	13.23600
b	Maintenance of existed Lawns at EEC building area & Karthikavanan Gardens & Jackal Moat Area etc.	10020 Sqm	4.200		
c	Maintenance of Hedge Plantation	2007 Sqm	4.000		
d	Maintenance of Flower bed	181 Sqm	1.000		
	Sub Total:		11.700		13.236

IV	Construction of Water Harvesting Structures (Sunken pits) to recharging rain water	4	0.100		
	Sub Total :		0.100		0.000
V	Visitors Amenities				
a	Cost and Supply of Sitting benches	10	0.500	10	0.50000
b	Maintenance of existing toilets	2	1.500	2	1.09910
c	Construction of toilets at Karthikavanam & Deer Park area	2	6.000		
d	Maintenance of Children play equipments	1	2.000	1	1.76410
e	Providing of Play equipments for Adults	1	1.000		
f	Cost and Supply of Dust Bins	20	0.500	8	0.20650
g	Maintenance of Canteen (Providing, outside sitting amenities/ Cloth Umbrellas)	2	1.500	2	1.47100
h	Construction of Interpretation Shed	A/a	7.000	A/a	7.00000
	Sub Total:		20.000		12.04070
VI	Maintenance of Office & Zoo Parks				
a	Wages to the Computer Operator @ Rs. 15,000/- Excluding EPF, ESI, EDLI etc.,	1	2.430	1	2.43654
b	Wages to the Animal Keepers @ Rs.10088/- excluding EPF, ESI, EDLI etc., (As per Dist. Collector wages @ 388/ day).	20	32.770	18	25.44521
c	Repairs and maintenance of the existing Motors.	A/a	1.000	A/a	0.73390
d	POL Charges & Maintenance of Mayuri Van.	1	0.700		
e	POL Charges & Maintenance of Feed Transportation Vehicle.	1	0.800	1	0.800
f	Cost and Supply of Earthen pots, utensils and Bamboo Thatties.	A/a	0.250	A/a	0.250
g	Cost and Supply of solar torch lights to the workers.	5	0.250		
	Sub Total:		38.200		29.66565
VII	Development of Zoo (Other Works)				
a	Display boards (Hoardings)	3	2.000		
b	Electricity charges for Motors.	A/a	5.000	A/a	5.000
c	Construction of damaged boundary wall.	83 Rmt	5.000	83 Rmt	5.06900
d	Erection of concertina wire around the boundary wall.	2000 Rmt	4.000		
e	Construction of Bow bridge for movement of Battery Vehicle.	A/a	9.750	A/a	7.44056
f	Miscellaneous unforeseen expenditure.	Ls	1.000	Ls.	0.978
	Sub Total:		26.750		18.487
	Grand Total		100.00		77.98296

13. Daily feed Schedule of Animals

Sl. No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
1	Leopard	Beef	3 Kgs	3 Kgs	Saturday
2	Sloth Bears	Milk	1 Ltr	1 Ltr	-
		White Jowar Ravva	1 Kg	1 Kg	-
		Eggs	1 No	1 No	-
		Honey	30 Grams	30 Grams	-
		Bread	1 Kg	1 Kg	-
		Banana	1 No	1 No	-
		Carrot	¼ Kg	¼ Kg	-
		Tomato	100 Grams	100 Grams	-
3	Jackal	Beef	½ Kg	½ Kg	-
4	Jungle Cat	Beef	¼ Kg	¼ Kg	-
5	Spotted Deer	Cattle Feed	1 Kg	1 Kg	-
		Hey	Adlibitum	Adlibitum	-
6	Sambars	Cattle Feed	1 ½ Kg	1 ½ Kg	-
7	Chowsingha	Cattle Feed	½ Kg	½ Kg	-
8	Black Buck	Cattle Feed	1 Kg	1 Kg	-
9	Nilgai	Cattle Feed	1 ½ Kg	1 ½ Kg	-
10	Mouse Deer	Apple	50 Grams	50 Grams	-
		Banana	100 Grams	100 Grams	-
		Carrot	50 Grams	50 Grams	-
		Black Gram	50 Grams	50 Grams	-
		Horse Gram	50 Grams	50 Grams	-
11	Crocodiles	Beef Boneless	600 Grams	600 Grams	-
12	Star Tortoise	Chana	10 Grams	10 Grams	-
		Cucumber	20 Grams	20 Grams	-
13	Turtles	Chana	10 Grams	10 Grams	-
		Cucumber	20 Grams	20 Grams	-
14	Red Eared Turtle	Chana	10 Grams	10 Grams	-
		Cucumber	20 Grams	20 Grams	-
15	Green Iguana	Palakura	75 Grams	75 Grams	-
		Cabbage	75 Grams	75 Grams	-
		Apples	75 Grams	75 Grams	-
		Papaya	75 Grams	75 Grams	-
16	White & Black Swans	Wheat	¼ Kg	¼ Kg	-
		Sajjalu	100 Grams	100 Grams	-
		Korralu	100 Grams	100 Grams	-
		Chana	100 Grams	100 Grams	-

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
17	Ostrich Birds	Palak	1 Kg	1 Kg	-
		Eggs	4 Nos	4 Nos	-
		Keera Dosa	2 Kg	2 Kg	-
		Cabbage	½ Kg	½ Kg	-
		Pudina	¼ Kg	¼ Kg	-
		Curry leaves	¼ Kg	¼ Kg	-
		Coriander (Kothimeera)	¼ Kg	¼ Kg	-
		Layer mesh	1 Kg	1 Kg	-
18	White Rhea	Palak	1 Kg	1 Kg	-
		Keeradosa	2 Kg	2 Kg	-
		Cabbage	½ Kg	½ Kg	-
		Emu Grower mesh	2 Kgs	2 Kgs	-
		Eggs	4 Nos	4 Nos	-
		Pudina	¼ Kg	¼ Kg	-
		Curry leaves	¼ Kg	¼ Kg	-
		Coriander (Kothimeera)	¼ Kg	¼ Kg	-
19	Rose ring parakeets	Sunflower Seed	15 Grams	15 Grams	-
20	Allexandrine Parrots	Sunflower Seed	20 Grams	20 Grams	-
21	Blossom headed Parrot	Sunflower Seed	15 Grams	15 Grams	-
22	Mustache Parrot	Sunflower Seed	15 Grams	15 Grams	-
23	Red collared lory	Sunflower Seed	20 Grams	20 Grams	-
24	Sun Conure	Sunflower Seed	20 Grams	20 Grams	-
25	Cockatiels	Sunflower Seed	10 Grams	10 Grams	-
		Saw flower Seeds	5 Grams	5 Grams	-
		Green leaves(Palak)	10 Grams	10 Grams	-
26	Peafowl	Green leaves(Palak)	50 Grams	50 Grams	-
		Poultry Feed	120 Grams	120 Grams	-
27	White Peafowl	Green leaves(Palak)	50 Grams	50 Grams	-
		Poultry Feed	120 Grams	120 Grams	-
28	Khalij Pheasant	Green leaves(Palak)	50 Grams	50 Grams	-
		Poultry Feed	120 Grams	120 Grams	-
29	Yellow golden Pheasant	Green leaves(Palak)	50 Grams	50 Grams	-
		Poultry Feed	120 Grams	120 Grams	-
30	Silver Pheasant	Green leaves(Palak)	50 Grams	50 Grams	-
		Poultry Feed	120 Grams	120 Grams	-
31	Lady Amherst	Green leaves(Palak)	50 Grams	50 Grams	-

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
	Pheasant	Poultry Feed	120 Grams	120 Grams	-
32	Love Birds	Green leaves(Palak)	10 Grams	10 Grams	-
33	Pigeons	Pigeon/poultry mixture	50 Grams	50 Grams	-
34	Fan tail pigeon	Pigeon/poultry mixture	50 Grams	50 Grams	-
35	Red Jungle fowl	Green leaves(Palak)	50 Grams	50 Grams	-
		Poultry Feed	50 Grams	50 Grams	-
36	Grey Jungle fowl	Green leaves(Palak)	50 Grams	50 Grams	-
		Poultry Feed	50 Grams	50 Grams	-
37	White Dove	Pigeon/Poultry mixture	50 Grams	50 Grams	-

14. Vaccination Schedule of Animals

Sl.No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
1	Jungle Cat	FCV, FVR, FPV and Rabies	Feligen, Raksharab	Annually	
2	Leopard		Feligen, Raksharab	Annually	
3	Jackal	FCV, FVR, FPV and Rabies DHPPi + L Rabies	Megavac 7, Raksharab	Annually	
4	Chowsingha	Foot and Mouth	Rasha o vac	Annually	

15. De-worming Schedule of Animals

Sl. No.	Species	Drug used	Month
1	Birds, Reptiles	Fenbendazole	July
2	Canids	Praziquantel, Pyrantel Pamoate and Febantel	July
3	Felines	Praziquantel and Pyrantel Pamoate	July
4	Herbivores	Fenbendazole, Ivermectin	July
5	Birds, Reptiles	Levamesole, Fenbendazole	December
6	Canids	Ivermectin	December
7	Felines	Dectomax	December
8	Herbivores	Oxyclosanide, Levamesole	December

16. Disinfection Schedule

Sl.No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1		All Cages and Kraals	Sprinkling of Lime and Bleaching powder	Twice in a month
2		All the enclosures	Phenyl foot bath	Daily
3		All visitor areas of the enclosures	Kohrsolin-Th	Monthly
4		All the enclosures	Removal of night soil, cleaning of floor in each cell and corridors with Kohrsolin-Th	Daily
5		All the enclosures	Cleaning of Feeding and water troughs	Daily
6		All the enclosures	Removal of top soil	Annually
7		All Herbivore enclosures	Ecto-Parasitic spray	Whenever required
8		All water troughs	Slake lime pasting	Once in 3 months

17. Health Check-up of employees for zoonotic diseases

Sl. No.	Name	Designation	Date of Health Check up	Findings of Health Check up
1	All Animal Keepers and Rescue Team of the Kakatiya Zoological Park, Warangal.	Animal Keepers and Rescue Team Members.	07.10.2017	NIL

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

i) Providing Sitting Benches to the Visitors



ii) Providing Dust Bins



iii) Maintenance (Beautification) of Canteen



iv) Construction of Interpretation Hall



v) Construction of Bow Bridge



vi) Construction of Boundary wall



19. Education and Awareness programmes during the year

i) World Environment Day 05.06.2017



ii) International Tiger Day 29.07.2017



20. Important Events and happenings

i) Vanyaprani Saptah Celebrations



ii) International Forest Day 21.03.2018



21. Seasonal special arrangements for upkeep of Animals

During Monsoon:

1. Lime and Bleaching powder sprinkled around all the bunds, main gate, drainage canals, boundaries, moats of Herbivores & back side of the Kraals.
2. Mixed water sanitizers in drinking water and water logging areas around the enclosures.
3. Provide Calcium, Vitamin A, C, D and E and multi vitamins supplements in the food.
4. Enclosures are protected from rainy water.
5. Constructed heap at the dry moat in all the herbivores.

During Winter:

1. Provided Calcium, Multivitamin supplements through food.
2. Provided dry grass / hay in all the night shelters.
3. Provided pots along with grass in all the bird enclosures.

During Summer:

1. Gunny bags / Jute mats have been arranged to all the bird enclosures.
2. Green nets have been covered the sides of the all the enclosures.
3. Gunny bags / Jute mats have been arranged to all the bird enclosures.
4. Green nets have been covered the sides of the all the enclosures.
5. Water sprinkled frequently to the enclosures in and around the sheds of all species.
6. Provided the coolers near the cages of the Leopard and Sloth Bear enclosures.
7. Bird enclosures are protected from sun light with over head nets.
8. Provided dry grass on the sheds of all animals and birds.
9. Regular watering to the trees around the enclosures getting extra green cover to all the zoo animals.
10. Reduced the food that is given to them and mixing the seasonal food like fruits (Watermelon, muskmelon, beetroot, bananas) to all animals and birds.
11. Electrol powder is mixing in the water during this season.
12. The Carnivores and Omnivores are provided with Glucon-D powder mixed with water that increases their energy levels.
13. Salt bricks have been provided at all the Herbivore enclosures.
14. Provided anti stress supplements to all the Zoo animals and birds.

22. Research Work carried out and publications

Only Broachers and Zoo Calendar were published.

23. Conservation Breeding Programme of the Zoo

There is urgent need to conserve India's Forest and Wildlife. Kakatiya Zoological Park, Warangal has successfully taken up different conservation Breeding programmes. In the past, this zoo has bred Four horned antelopes and exchanged Crocodiles and Jackals with Nehru Zoological Park, Hyderabad & Sri Venkateshwara Zoological Park, Thirupathi.



Apart from these, this zoo has successfully bred many endangered species i.e., Black Buck, Spotted Deer, Sambar Deer, Nilgai, Soft shelled Turtle. Among the exotic species., Ostrich and Pheasants.

Central Zoo Authority of India was created to oversee the functioning of Zoos in the Country and to enforce the minimum standards & Norms for upkeep and health care of Animals in the Indian Zoos. And also to complement and to strengthen the National efforts in conservation of Wild fauna of the country. It is requested or proposed to take the responsibility of breeding mouse deer (or) Four horned antelopes in Kakatiya Zoological Park, Warangal By the CZA to release them into the Forest.

24. Animal acquisition / transfer / exchange during the year

A.	Animals arriving in the Zoo				
	H. NO.	Species	Number (M:F)	From which Zoo	Date of arrival in the zoo
	-	NIL	-	-	-
B.	Animals going from the zoo				
	H. 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:T)	Received from	Date of Submission of Report to the CWLW / CZA	Action taken	
					Date and Place of rehabilitation in their habitat	Reasons for housing in the zoo, if not released in their habitat
1	04.05.17	Leopard Male	Bakkalingayyapally, Nagarkurnool dist.	04.05.17	04.05.17	
2	11.07.17	Sloth Bear Male	Arepally, Siddipet dist.	11.07.17	11.07.17	
3	08.08.17	Jackal Male	Kondaparthi, Warangal Urban	08.08.17	08.08.17	
4		Jackal Male	Kondaparthi, Warangal Urban	08.08.17	08.08.17	
5	17.10.17	Jackal Male	Elkurthy, Warangal Urban	17.10.17	17.10.17	
6	17.10.17	Jungle Cat Female	Elkurthy, Warangal Urban	17.10.17	--	To save the Orphan Kitten
7	23.02.18	Indian Gaur Male	Penchikalpet, Warangal Rural	23.02.18	23.02.18	

26. Annual Inventory of animals

Form - II

[See Rule 11(1)]

Part - A

Inventory Report for the Year:

Endangered Species*

S. No	Animal Name	Scientific name	Opening Stock as on				Births			Acquisition			Disposal			Death			Closing Stock as on				
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
1	Peafowl Common	<u>Pavo cristatus</u>	6	8	1	15														6	8	1	15
2	Peafowl White	<u>Pavo cristatus</u>	1	1	0	2														1	1	0	2
3	Grey Jungle Fowl	<u>Gallus sonneratii</u>	2	3		5														2	3	0	5
4	Pheasant Kalij	<u>Lophura leucomelana</u>	1	1		2														1	1	0	2
5	Antelope Four Horned (Chowsin gha)	<u>Tetracerus quadricornis</u>	3	8	2	13			5											5	8	5	18
6	Black Buck	<u>Antelope cervicapra</u>	1	6	3	10			4						1					1	8	4	13
7	Sloth Bear	<u>Ursus ursinus</u>	2	2	0	4									1					1	2	0	3
8	Jackal	<u>Canis aureus</u>	2	2	6	10														2	2	6	10
9	Jungle Cat	<u>Felis chaus</u>	1	1	0	2				1						1				1	1	0	2
10	Mouse Deer	<u>Moschiola indica</u>	2	2	0	4									1					1	2	0	3
11	Leopard	<u>Panthera pardus</u>	1	1	0	2														1	1	0	2
12	Crocodiles (Mugger)	<u>Crocodylus palustris</u>	1	2	2	5														1	2	2	5
13	Turtle Fresh Water / Indian Soft-shelled	<u>Lissemys punctata punctata</u>	5	8	2	15														5	8	2	15
14	Iguana (Green Lizard)	<u>Iguana iguana</u>	0	0	4	4														0	0	4	4

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

Part - B

Other than Endangered Species

S. No.	Animal Name	Scientific name	Opening Stock as on				Births			Acquisition			Disposal			Death			Closing Stock as on				
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
1	Ostrich	Struthio camelus	1	2	0	3														1	2	0	3
2	Rhea (White)	Rhea pennata	1	2	0	3														1	2	0	3
3	Swan Mute (White)	Cygnus olor	1	0	0	1														1	0	0	1
4	Swan Black	Cygnus atratus	1	1	0	2														1	1	0	2
5	Pheasant Yellow golden	Chrysolophus pictus	0	1	0	1				1										1	1	0	2
6	Pheasant Silver	Lophura nycthemera	1	1	0	2														1	1	0	2
7	Pheasant Lady amrhest	Chrysolophus amrhestiae	1	1	0	2														1	1	0	2
8	Cockatiel Lutino	Nymphicus hollandicus	4	6	2	12			2											5	7	2	14
9	Grey Cockatiel	Nymphicus hollandicus	5	5	2	12														6	6	0	12
10	Pied Cockatiel	Nymphicus hollandicus	3	3	0	6														3	3	0	6
11	Parakeet Rose ringed	Psittacula krameri	5	6	0	11														5	6	0	11
12	Parakeet Alexandrine	Psittacula eupatria	3	1	0	4				1										3	2	0	5
13	Parakeet Blossom headed	Psittacula cyanocephala	2	2	0	4														2	2	0	4
14	Parakeet Mustache	Psittacula alexandri	1	1	0	2														1	1	0	2
15	Red Collared Lory	Trichoglossus rubritorquis	1	0	0	1														1	0	0	1
16	Sun conure / Sun parakeet	Aratinga solstitialis	0	1	0	1														0	1	0	1

17	Love Birds (Peach faced)	Agapornis sps	8	9	4	21												8	9	4	21	
S. No.	Animal Name	Scientific name	Opening Stock as on				Births			Acquisition			Disposal			Death			Closing Stock as on			
18	Love Birds (Lutino)	Agapornis sps	3	3	2	8												3	3	2	8	
19	Love Birds (Fischers)	Agapornis sps	3	3	0	6												3	3	0	6	
20	Fowl Jungle Red	Gallus gallus	3	2	2	7												3	2	2	7	
21	Pigeon Blue Rock	Columbidae Colombiformes	18	20	2	40												18	20	2	40	
22	Myna	Acridotheres tristis	1	1	0	2												1	1	0	2	
23	Fantail pigeon		1	1	0	2												1	1	0	2	
24	White Dove		1	2	0	3												1	2	0	3	
25	Mandrill Duck	Aix galericulata	0	1	0	1												0	1	0	1	

27. Mortality of animals

Sl. No.	Animal Name (with individual identification mark, if any)	Scientific Name	Sex	Date of Death	Reason of Death as per the Post-mortem report
1	Jungle Cat	Felis chaus	Female	04.12.2017	Shock
2	Black buck	Antelope cervicapra	Male	24.12.2017	Multiple organ failure
3	Deer Mouse	Moschiola indica	Male	08.02.2018	Asphyxia
4	Bear Sloth	Ursus ursinus	Male	26.03.2017	Shock due to internal & external bleeding
5	Nilgai	Boselaphus tragocamelus	Female	27.03.18	Asphyxia due to Septicemia
6	Nilgai	Boselaphus tragocamelus	Female	27.03.18	Asphyxia due to Septicemia
7	Nilgai	Boselaphus tragocamelus	Male	28.03.18	Asphyxia due to Septicemia

28. Compliance with conditions stipulated by the Central Zoo Authority

Sr. No	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Status with regard to compliance of the conditions
1	10.1 (2)	The Zoo premises should be kept clean. The seized vehicles and other scrap kept within the Zoo premises shall be removed immediately	With immediate effect		The seized Vehicles and other scrap removed from the Zoo premises.
2	10.1 (4)	Boundary wall damaged at multiple locations shall be repaired on top priority	Six Months		We proposed to construct the Boundary wall within the stipulated time.
3	10.1 (6)	During evaluation, it is observed night guard staying in the residence on the zoo campus. Besides, it is observed that zoo staff residing in one of the rooms of the Veterinary Hospital of the Zoo. Residential area of the zoo shall be separated by a boundary wall of 2 meters height from ground level with independent entry/ exit.	Three months		The night guard and Animal keeper is staying in the security room beside second gate and hospital (extra room) respectively for Temporary arrangement. Now they are vacated as per your instructions.
4	10.1 (7)	Existing Sewage Treatment Plant be made functional and additional measures be adopted to properly dispose liquid waste. Solid waste strewn on the campus of the zoo shall be cleansed and appropriate measures shall be adopted to avoid litter on zoo campus.	Three months		Existing Sewage Treatment plant will be repaired within a specified time. Appropriate measures are adopting for proper dispose of liquid waste and solid waste on the campus of the zoo, for that we introduced many dust bins in the zoo premises.

Sr. No	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Status with regard to compliance of the conditions
5	10.2 (1)	The zoo should have a one full time officer-in-charge of the zoo, the said officer should be delegated adequate administrative and financial powers to purchase feed and medicine and carryout emergency repairs of animal enclosures, as may be necessary for proper upkeep and care of zoo animals	Six months		The Forest Range Officer is acting as whole time in charge of the zoo to look after the all activities pertaining to the zoo except adequate administrative and financial powers to purchase feed and medicine and carryout emergency repairs of animal enclosures. We proposed to create full pledged officer (Curator) in the zoo to the head of the department, Telangana Forest Department.
6	10.2 (2)	It is observed that though services of the Assistant Veterinary Surgeon of the animal Husbandry Department are being availed, it is not daily. Being a small zoo, full time Veterinarian has not been recruited. The Zoo operator shall provide scientific and technical staff to assist the Officer-in-charge as per provisions laid down in the Recognition of Zoo Rules, 2009.	Six months		In-charge Veterinarian is coming regularly to monitor the health condition of the Zoo animals and birds. We proposed a full time veterinarian to be recruited in the Zoo park, for that creation of Veterinary Assistant surgeon post at Kakatiya Zoological Park, Warangal was sent to Head Office, The full time compounder is working in the Zoo. He is assisting the In-charge Veterinarian in the health care of the Zoo animals & Birds as a technical support for Preventive and Curative treatment.

Sr. No	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Status with regard to compliance of the conditions
7	10.3 (1)	The Zoo should prepare a long term Master plan for its development in the format as circulated by the Central Zoo Authority. The copies of the said plan should be submitted to the Central Zoo Authority for its approval	Three months		We prepared a long term Master plan in the CZA format; it will be submitted through proper channel within a short time for approval.
8	10.3 (6)	It is observed that Green Iguana have been acquired by the zoo and put on display. However, the species has no provision for housing facility on the approved layout plan of the zoo. To avoid recurrence, detailed Animal Collection Plan shall be prepared and submitted for approval of the CZA as part of the Master Plan	Three months		Reptile house was proposed to be constructed, Until that we have placed in a vacant enclosure. Animal collection plan was prepared and it will be submitted through proper channel for approval.
9	10.3 (8)	It is observed that the Zoo operator failed to report to the CZA about rescue of Sloth bear. In future, any rescue of endangered species be reported to the CZA	As and when rescue happens		In future, We will inform the Rescue of endangered species to the CZA.
10	10.4 (1)	It is observed that the sewage treatment plant is non-functional and construction of drain has been done to a limited extent. Most the municipal drainage criss-crosses across the zoo. Covered drain shall be constructed up to the exit of the zoo covering entire length of the flow of municipal drainage	One year		Sewage Treatment plant will be functional within a short time. We proposed to construct a box type drain to the remaining canal to the Greater Warangal Municipal Corporation.

Sr. No	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Status with regard to compliance of the conditions
11	10.4 (1) & 10.4 (6)	Enclosure for sloth bear observed without vegetation and proper shade. Single climbing metallic structure has limited utility as it is not dynamic in nature. Vigorous plantation with appropriate tree guards shall be attempted and the enclosure shall be enriched.	Six months		We will enrich the Sloth bear enclosure as per your instructions within six months.
12	10.4 (7)	Screening shall be provided between enclosures for Nilgai, Black Buck and Four horned antelope	Six months		We will enrich in between the herbivore enclosures by vegetation as per your instructions within six months.
13	10.4 (8)	The zoo has constructed enclosure for Leopard. However, did not produce drawing approved by the CZA. It is observed during evaluation that the enclosure has no provision of squeeze cage. If not yet obtained approval, drawing of the enclosure constructed shall be submitted to the CZA for post facto approval. The Officer-in-charge of the Kakatiya Zoological Park, Warangal shall submit a clarification to the CZA.	With immediate effect		We will provide Squeeze cage at Leopard enclosure with an immediate action and we will submit the drawing of the Leopard enclosure to the CZA for post facto approval and a clarification regarding Leopard enclosure
14	10.4 (10)	Signage at vacant enclosures should be masked to avoid confusion to visitors. Also, should make efforts to justifiably use the vacant enclosures in between	Three months		We masked signage's at Vacant enclosures as per your instructions and also we sent a proposal to Head Office for acquisition of new herbivore species in vacant enclosures from Nehru Zoological Park, Hyderabad.

Sr. No	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Status with regard to compliance of the conditions
15	10.5 (2)	Food and water samples shall be tested periodically	As per schedule prepared in consultation with the Veterinarian		Water samples are tested periodically, but not food items. We will send the food samples for testing periodically.
16	10.5 (3)	Though housed carnivores, no meat house constructed in the zoo. A designated meat house with basic infrastructure be developed	Six months		It is proposed to construct a kitchen room within a short time.
17	10.5 (3)	It shall be ensured that keepers use gloves while feeding meat.	With immediate effect		Yes, our keepers are using gloves while feeding meat to the carnivore species.
18	10.5 (3)	Feed concentrate bags found stored on floor. Unhygienic conditions prevail in feed storage facility. Feed store shall be cleaned regularly and feed shall be stored on a raised platform. Shed antlers dumped in the feed store be disposed as per the provisions laid down in the Wildlife (Protection) Act, 1972	With immediate effect		We removed and antlers from the feed store room as per your instructions. We will construct a raised platform in the feed store and also we will maintain hygienic conditions in feed storage room.
19	10.5 (3)	Rescued double headed snake housed in a cage adjacent to visitors' circulation path and was offered live feed in front of visitors. Rescued animals should be housed off display and live feed if any given should be done off-display.	With immediate effect		We released Sand Boa snake after recovery from the injury. In future, We will keep off-display of the rescued animals, which will bring to the Zoo.
20	10.5 (4)	Bird enclosures shall be made rat proof to avoid scavengers sharing the feed.	Three months		We will propose to make rat proofing of the Birds enclosures.
21	10.5 (5)	It is observed that flooring of feeding cells is damaged in enclosures for Sloth bear. It shall be repaired.	One month		We renovated the flooring of Feeding cells in Sloth Bear enclosure.

Sr. No	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Status with regard to compliance of the conditions
22	10.5 (5)	Chain link fence is aviaries shall be cleaned and disinfected regularly.	As per schedule prepared in consultation with the Veterinarian		We are cleaning and disinfecting on regular basis as per the instructions of the Veterinarian.
23	10.5 (8)	A written schedule for checking parasitic load and vaccination should be prepared and kept at each of the enclosures for animals.	One month		We prepared & kept the written schedule in each enclosure regarding the preventive measures of the animals
24	10.5 (9)	The staff involved in the healthcare of animals should be screened against zoonotic diseases at least once every year.	One month and thereafter once in a year		We organized a camp in the zoo premises to screen Zoonotic diseases for Animal Keepers on 10.07.2017.
25	10.5 (9)	In case. Any of the animal keepers tested positive for communicable diseases, they shall be provided treatment and duties shall be assigned elsewhere in the zoo in the intervening period.	As and when needed arises		No animal keeper has got positive for communicable diseases.
26	10.5 (10)	Records such as Keeper's Dairy, Daily Report, Animal Treatment Card, Animal History, Herd Card and Stud Book shall be maintained in format prescribed by the CZA.	One month		All the records are maintained in prescribed CZA formats printed by the Zoo park.
27	10.6 (1)	Being Small Zoo, Veterinary care facility of the zoo shall be upgraded, storage facility for drugs shall be improved.	Six months		Drugs are kept in almarah.
28	10.6 (3)	A quarantine and isolation ward should be constructed as proposed.	Six months		Proposals have been sent to higher authority to construct Quarantine and isolation wards.

Sr. No	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Status with regard to compliance of the conditions
29	10.6 (3)	Post-mortem room be equipped with sufficient light and equipment	Six months		New Post-mortem room is to be constructed.
30	10.6 (6)	The zoo shall sign MoU with nearest veterinary institution to avail services in disease diagnosis, up gradation of technical skills of staff and to develop protocols for preventive care of wild animal health management.	Six months		Veterinary institute is not available in the Warangal. We will consult the Nehru Zoological Park, Hyderabad about disease diagnosis, up gradation of technical skills of staff & to develop protocols.
31	10.9 (4)	Animals of species namely Yellow golden pheasant, Red collared lorikeet, Sun conure and White swan respectively are found housed singly. Mates shall be acquired on priority.	Six months		The proposals have been sent to head office to acquire single species Birds from Nehru Zoological Park, Hyderabad.
32	11 (1)	Number of Peafowl as reported in Annual inventory Report of the zoo is different from the number housed in the zoo at the time of evaluation. It was informed by the In-charge Veterinary Assistant Surgeon and the Forest Range Officer that some of the peafowl have been shifted to another captive animal facility of the Forest Department. In this regard, the Officer-in-charge of the Kakatiya Zoological Park, Warangal shall submit a clarification to the CZA.	With immediate effect		Peafowl's are temporarily shifted to the captive facility due to damage of the chain link of the Peafowl enclosure, now the enclosure was repaired and the Peafowl's are housed in the zoo as per the Annual inventory report.

Sr. No	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Status with regard to compliance of the conditions
33	11 (1)	It is observed that the Stock register on acquisition and disposal of the rescued animals is not updated. It shall be ensured promptly.	With immediate effect		The Stock register on acquisition and disposal of the rescued animals is updated.
34		The Kakatiya Zoological Park, Warangal has acquired one pair (1:1) of leopards from the LaCONES, CCMB, Hyderabad. However, did not produce any evidence of prior approval of the Central Zoo Authority under section 381 (1) of the Wildlife (Protection) Act, 1972. In this regard, the Officer-in-charge of the Kakatiya Zoological Park, Warangal shall submit a clarification to the CZA.			We acquired one pair of Leopards from the LaCONES, Hyderabad with the permission of PCCF, Telangana. In future, We will take permission from the CZA on acquisition of the Zoo animals & Birds.

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

- a. Mammals
- b. Birds - Only Peafowl are living in the zoo premises.
- c. Reptiles



Thank You