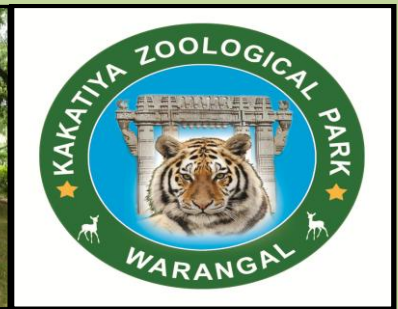


ANNUAL REPORT

2016-17

KAKATIYA ZOOLOGICAL PARK, WARANGAL



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ZOO REPORT

Ex-situ conservation is the preservation of components of biological diversity outside their natural habitats. This involves conservation of genetic resources, as well as wild and cultivated or species, and draws on a diverse body of techniques and facilities. Such strategies include establishment of botanical gardens, zoos, conservation strands and gene, pollen seed, seedling, tissue culture and DNA banks.

The Kakatiya Zoological Park was established in the year 1985; the Governor of Andhra Pradesh Dr. Shankar Dayal Sharma laid the foundation stone for this Wilderness area and named it as "Vana Vignana Kendra". It is spread over an area of 19.22 Ha. This was initially recognized as Mini Zoo and due to good efforts for its development made by the Department; it was upgraded as Small Zoo by the Central Zoo Authority of India on 01.01.2014. In due course, the Zoo has acquired a many species of Mammals, Birds and Reptiles

Over the period, the Vana Vigyana Kendra has become a Small zoo in the Telangana state, with the following distinctions: Scientific layout, Adequate water, good veterinary care, visitors amenities, specialties like Chowsingha and Ostrich successful breeding, Butterfly Park, , Environment Education Centre etc.

At present there are 16 normal enclosures, 20 cages and 2 moated enclosures and exhibits 383 spp of different animals. 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. Students from different institutions' visit this zoo and different awareness programs are organized by Zoo to educate them.

ABOUT 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



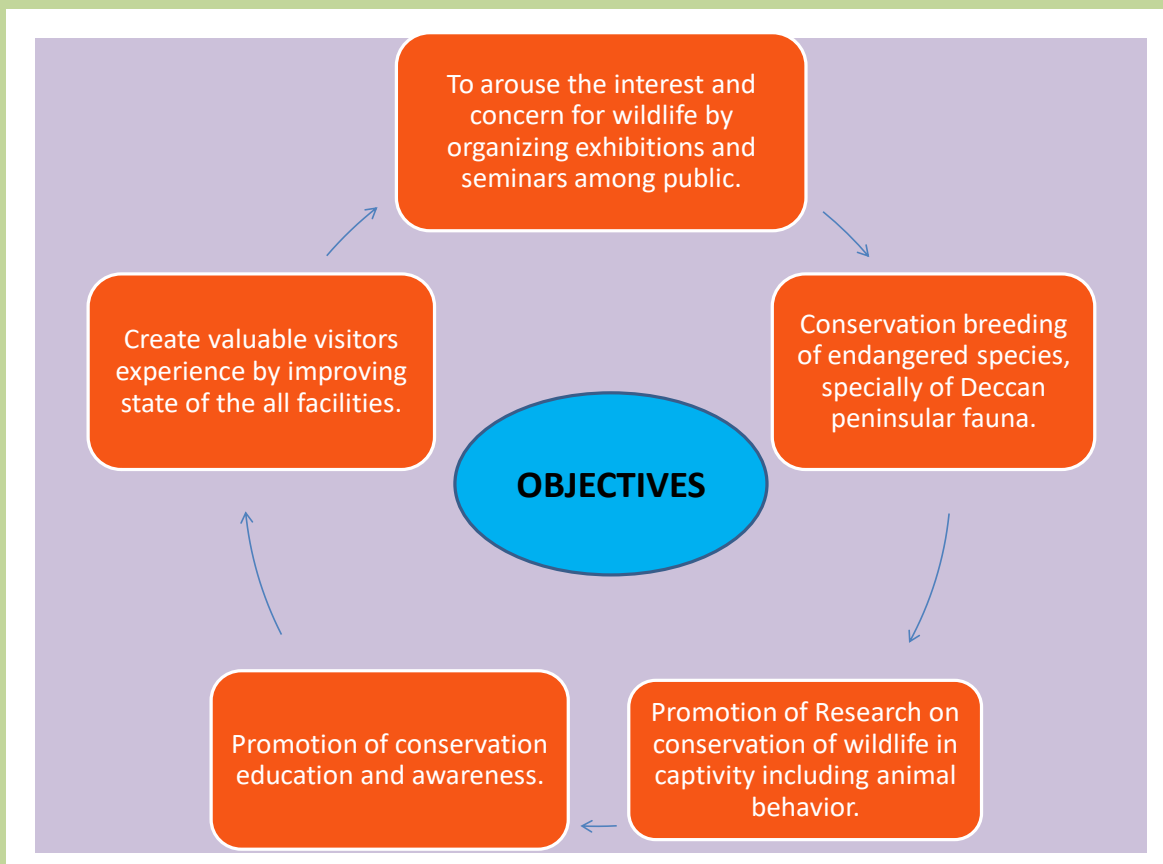
VISION OF THE ZOO

Vision is to protect, preserve and conserve the diversity of species through ex-situ conservation and connect people with Nature

MISSION OF THE ZOO :

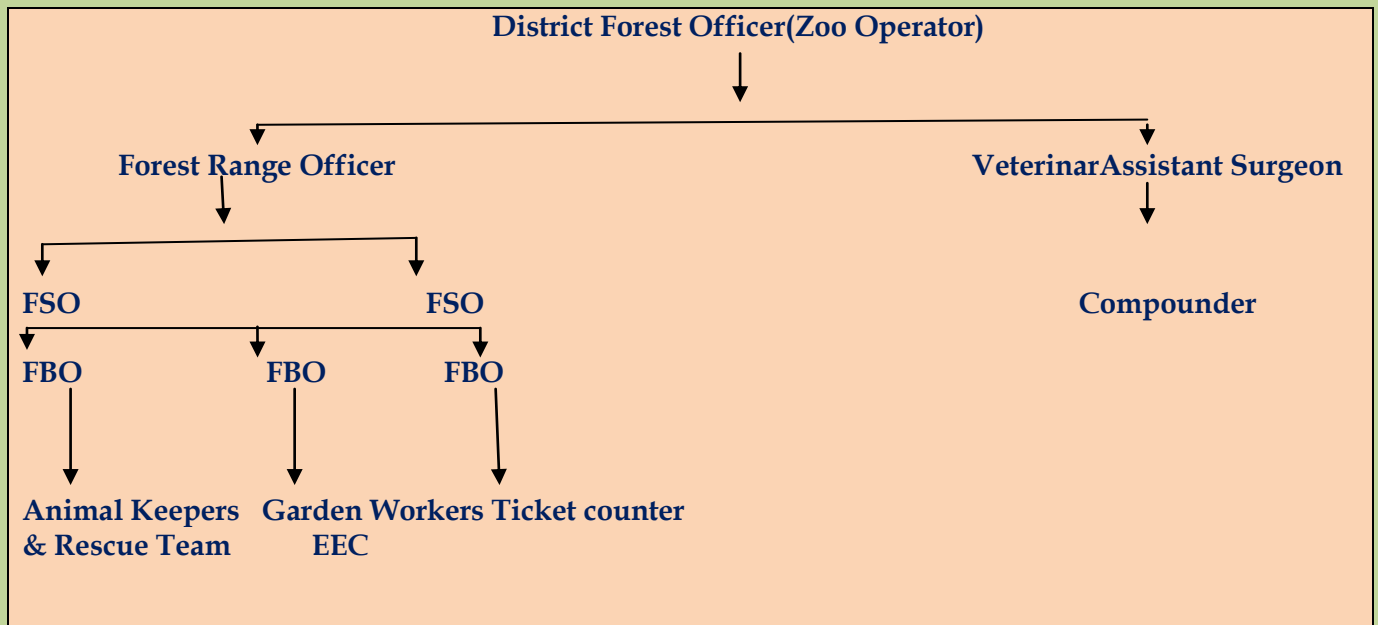
The mission of setting Kakatiya Zoological Park, Warangal is taking up ex-situ. Conservation of endangered fauna, with special emphasis on Deccan Peninsular fauna, research on wildlife behavior and to foster wildlife education among the Public

OBJECTIVES :



ESTABLISHMENT/STAFF PATTERN

Kakatiya Zoological Park, Warangal is headed by the District Forest Officer, Warangal (Urban) district assisted by Forest Range Officer, in day to day maintenance of the Zoo. The zoo has two sections namely Animal Section and Garden Section.. The Hierarchy of the Kakatiya Zoological Park, Warangal is as follows



S.No	Designation	Duties and responsibilities
1	District Forest Officer Warangal Urban & jangaon	Zoo Operator
2	Forest Range Officer	In-charge Zoo Park
3	Forest Section Officer (O.D Basis)	Maintenance of Lawns and Gardens, Clearing supervision, execution of ZAPAT Scheme Works
4	Forest Section Officer	Animal Protection, Clearing supervision, execution of CAMPA Scheme Works
5	Forest Beat Officer	Animal Protection, Clearing supervision,
6	Forest Beat Officer	EEC Building, Maintenance of Lawns and Gardens, Clearing supervision,
7	Forest Beat Officer	Ticket issuing
8	Veterinary Assistant Surgeon on honorarium basis	Monitoring the health care of the Animals and Rescue Operations
9	Compounder	Monitoring the health care of the Animals and Rescue Operations
10	Computer Operator	Office support and Maintenance of Office records & Files

ACHIEVEMENTS :

1. NEW MEMBERS ADDED

04 New species were added to the collection of Kakatiya Zoological Park, Warangal. In total 06 Males and 06 females of various species were added as below

S.No	Name of the animal	Ratio (M:F)
1	Mouse Deer	2:2
2	Green Iguana	2:2
3	Jungle Cats	1:1
4	Leopards	1:1

20 CONSERVATION BREEDING :

1. Four horned Antelope (Chowsingha)

Four horned Antelope (Chowsingha) brought from Tadvai, which rescued and kept in this Zoo in the year 2007. After that one more rescued Chowsingha kept in the same enclosure and made a

separation from another species to develop the breed. Since then horned Antelope are breeding. This zoo has been improving the conservation of breeding activity of this species.



2. Breeding of Ostrich:

For the first time, Ostrich bred in the Zoo in 2013. Since then Ostrich are breeding regularly in the Zoo.

During the past 30 years the Zoo has bred a number of species in captivity. Many of them are endangered as per the Wildlife (protection) Act 1972. Some of them are Mugger

Crocodile, Four horned Antelope, Black buck, pea fowl, Red jungle fowl, silver pheasant etc., Many exotic species were also bred like Ostrich and others.

The Jackals are breeding regularly in this zoo,



3) RESCUE OPERATIONS :

Rescue team of Kakatiya Zoological park is very active in doing rescue operations in and around Warangal. One Panther was rescued at Illanthakunta , Four Bears from Karimnagar and Warangal Districts, Five Jackals of Warangal District and many pythons, Sand Boas, Rare owls, Peacocks, Chowsingha rescue from surrounded villages of Warangal Districts



4) ANIMAL ADOPTION SCHEME;

To involve the General public in the conservation movement and to create the sense of ownership to the Animal conservation activities, adaptation programme has been launched in the Zoo and it has been receiving by the Citizens.

Sl. No.	Name of the Enclosure/ Animal	Maintenance cost per Animal			No.of Animals/ Birds available
		Annual	Half Yearly	Quarterly	
1	Leopard	2,00,000	1,00,000	50,000	2
2	Jackals	72,000	36,000	18,000	4
3	Ostrich	62,000	31,000	16,000	3
4	White Rhea Bird	62,000	31,000	16,000	3
5	Sloth Bears	52,000	26,000	13,000	4
6	Crocodile	36,000	18,000	9,000	5
7	Jungle Cat	32,000	16,000	8,000	2
8	Sambar Deer	12,000	6,000	3,000	18
9	Nilgai	12,000	6,000	3,000	4
10	Mouse Deer	10,000	5,000	3,000	5
11	Spotted Deer	8,000	4,000	2,000	76
12	Black Buck	8,000	4,000	2,000	9
13	Swans - White/ Black	8,000	4,000	2,000	3
14	Green Iguana	5,000	3,000	1,000	4
15	Chowsinga	4,000	2,000	1,000	13
16	Star Tortoise, Red Eared Turtle & Turtle	800	400	200	42
17	Peafowl (Peacock)	1000	500	250	15
18	White Peafowl (Peacock)	1000	500	250	3
19	Pheasants	800	400	200	7
20	Jungle fowls	800	400	200	12
21	Pigeons	800	400	200	45
22	Parrots	500	300	150	22
23	Love Birds	500	300	150	35
24	Mandrill Duck	500	300	150	1
25	Sun conure & Cockatiels	400	200	100	31

What you will get in return

- ❖ Name & Photo of adopter will be displayed next to the animal enclosure.
- ❖ Adopters will be allowed to view the animals from the close quarters of the animal enclosure / animals/ birds you have adopted.
- ❖ In case the students of a school adopt an animal (**Mentioned from Sl.No. 1 to 25**) by paying the adoption cheques, (50) students below (12) years of age from the school will be allowed free of charges along with (5) Staff members in a year.
- ❖ Participate in interactive feeding sessions.

LIST OF ANIMALS ADOPTED :

S.NO	NAME OF THE PERSON	ADOPTED ANIMAL / BIRD	ANNUALLY/ HALF YEARLY/ QUARTERLY	AMOUNT
1	M/S VEENUS JEWELLERS	NILGAI-4, MOUSE DEER-5, PIGEONS-27, SUNCONURE & COCKTIELS-1	ANNUALLY	120000
2	M/S BHAVAN DIGITALS	CHOWSINGHA	QUARTERLY	1000
3	R. NARESH REDDY	MANDRINE DUCK	ANNUALLY	500
4	CH. SRIDHAR	LOVE BIRD	ANNUALLY	500
5	V. SRINIVASA RAO	PARROT	ANNUALLY	500
6	CH. SUDHEER REDDY	CHOWSINGHA & PEACOCK	ANNUALLY	5000
7	N. SREEDHAR	PEACOCK	ANNUALLY	1000
8	WALKERS ASSOCIATION	LEOPARD	QUARTERLY	50000
			TOTAL :	178500

5) WORKS CARRIED OUT DURING 2016-2017:

All the works were carried out as per approved APO of ZAPAT and BDC Component of CAMPA APO. Regular maintenance works were carried out.

Major works carried out are :

- ✓ Construction of leopard enclosure and mouse deer enclosure
- ✓ Introduction of one pair of leopard
- ✓ The name of zoo was changed from van Vigyan Kendra to kaktiya zoological park
- ✓ Battery Vehicle was purchased and
- ✓ CCTV cameras were installed to ensure the security in the zoo.
- ✓ An Arboretum of 90 native spp was established
- ✓ Rachabandas in karthik Vanam and near EEC building was constructed.

ZOO EDUCATION:

Zoo not only place for Visitors to have fun, but a place to learn. Zoo is educating visitors about conservation of wildlife and their importance in nature through various methods, which includes celebration of various important days World Earth day, Biodiversity day, World environment day, World wetland day, world sparrow day and international tiger day, trainings, snake shows etc.,

Special audio visual classes are conducting in environment education centre of the Zoo and conducting painting, Essay writing, Quiz, Elocution competitions among school children for creating awareness about the wildlife.



Events conducted in Kakatiya Zoological Park, Warangal during 2016-17

S.No	Date	Name of the Event
1	03.03.2016	World Wildlife Day
2	21.03.2016	World Forest Day
3	22.04.2016	World Earth Day
4	22.05.2016	International Biodiversity Day
5	05.06.2016	World Environment Day
6	29.07.2016	International Tigers Day
7	01.10.2016 to 07.10.2016	Vanyaprani Saptah

HEALTH AND NUTRITION

There are 44 species of Mammals, Birds and Reptiles requiring a variety of food such as beef, Chicken, Eggs for the carnivores, Fruits ,Vegetables and Cereals for Birds, Leaves and Fodder for Herbivores. The required feed is produced through suppliers on tender basis. The animals are provided with balanced diet. Depending on specific requirement of the animals as per the advise of Veterinarian. The supplements like., nutrition, vitamins and minerals are added to the feed. Two grass plots of CO-I, CO-II and Para grass is raising for sustainability supply of fodder to the herbivores.(feed chart enclosed)

VISITATION AND REVENUE :

VISITATION

The Kakatiya Zoological Park, Warangal is open for public from Tuesday to Sunday (6 Days) and every Monday is zoo holiday.

Entry fee

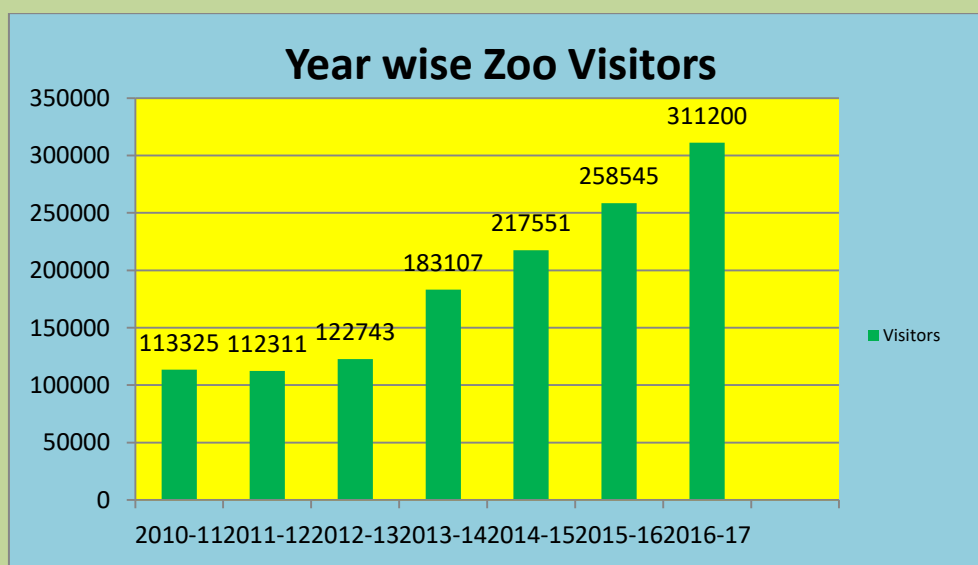
- Rs. 20/- per Adults, Rs. 10/- for Children (Below 12 years).

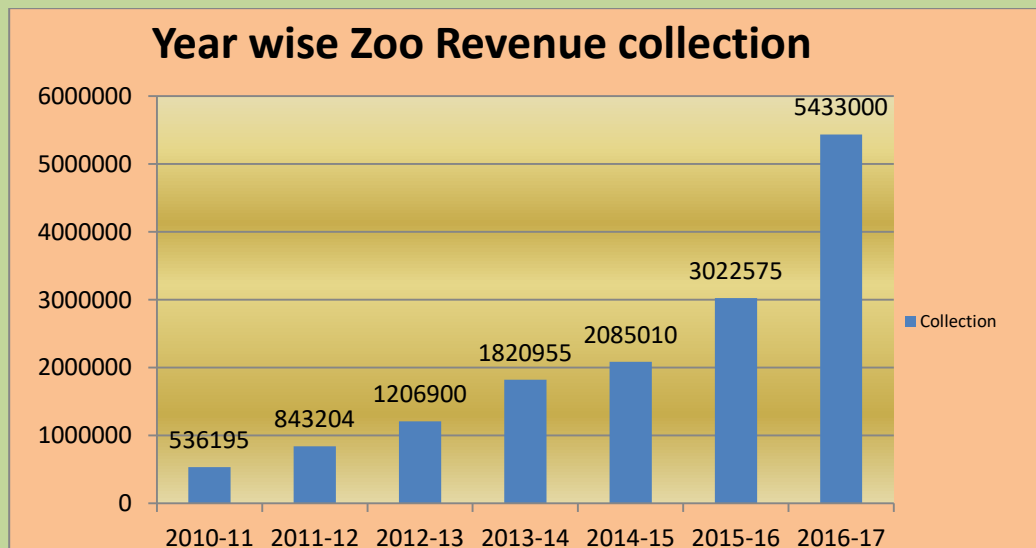
There is a Battery Operated Vehicle for those interested people to ride in the Zoo.

- Rs. 30/- for Adults and Rs. 20/- for Children.
- For the Photographers Rs. 10/- for Normal Cameras .

Year wise Number of Visitors and Revenue Collection of Kakatiya Zoological Park, Warangal from 2010-11 to 2016-17

S.No	Year	Adults	Childrens	Camera	Total Visitors	Total Revenue collection
1	2	3	4	5	6	7
1	2010-11	87186	26139	116	113325	536195
2	2011-12	88997	23314	81	112311	843204
3	2012-13	90240	32503	81	122743	1206900
4	2013-14	136599	46508	533	183107	1820955
5	2014-15	163789	53762	574	217551	2085010
6	2015-16	199582	58963	748	258545	3022575
7	2016-17	239323	71877	1088	311200	5433000
	Total	1005716	313066	3221	1318782	14947839





Visitors' amenities

- ✚ There is a one water Cooler R.O. plant with automatic Aqua guard filter units
- ✚ Butterfly park. , Karthik vanam, seating benches, pagodas etc
- ✚ The space available for parking vehicles outside the Zoo is sufficient now. .
- ✚ **one** battery operated visitors' vans are to be introduced in the Zoo for taking visitors around the Zoo from the main gate.
- ✚ The children corner is to the right, immediately after Entry. This is a sprawling area with lawns, and play pen.
- ✚ To cater to the needs of visitors, a Canteen was provided in the Zoo.

INVENTORY :

The animal exhibits in the Kakatiya Zoological Park, Warangal(KZP) has been arranged to showcase different species based on broad classification like., carnivores, omnivores, herbivores, Birds and Reptiles. The Kakatiya Zoological Park, Warangal houses 44 species with 383 specimens.

S. No	SPECIES	Scientific Name	MALE	FEMALE	YOUNG	TOTAL
I	MAMMALS					
1	* Leopard	<i>Panthera pardus</i>	1	1	0	2
2	* Cat Jungle	<i>Felis chaus</i>	1	1	0	2
3	* Jackal	<i>Canis aureus</i>	2	2	6	10
4	* Bear Sloth	<i>Ursus ursinus</i>	2	2	0	4
5	Deer Sambar	<i>Cerous unicolor</i>	5	12	2	19
6	Deer Spotted (Chital)	<i>Axis axis</i>	34	44	2	80
7	Nilgai (Blue Bull)	<i>Boselaphus tragocamelus</i>	1	2	1	4
8	* Black Buck (Krishna Mrig)	<i>Antilope cervicapra</i>	1	6	4	11
9	* Deer Mouse	<i>Moschiola indica</i>	2	2	0	4
10	* Antelope Four Horned (Chowsingha)	<i>Tetracerus quadricornis</i>	3	8	2	13
	Total	-	52	80	17	149
II	REPTILES	-				
1	Tortoise Indian Star	<i>Geochelone elegans</i>	4	4	4	12
2	* Iguana (Green Lizard)	<i>Iguana iguana</i>	0	0	4	4
3	* Crocodile Marsh (Mugger)	<i>Crocodylus palustris</i>	1	2	2	5
4	* Turtle Fresh Water (Indian soft shelled)	<i>Lissemys punctata punctata</i>	5	8	2	15
5	Terrapin Red Eared (Turtle)	<i>Trachemys scripta elegans</i>	4	6	9	19
	Total		10	16	13	55
III	BIRDS					
1	* Peafowl (National Bird)	<i>Pavo cristatus</i>	6	8	1	15
2	Parakeet Rose ringed	<i>Psittacula krameri</i>	5	6	0	11
3	Parakeet Blossom headed	<i>Psittacula cyanocephala</i>	2	2	0	4
4	Parakeet Alexandrine	<i>Psittacula eupatria</i>	3	1	0	4
5	Cockatiel Lutino	<i>Nymphicus hollandicus</i>	4	6	1	11
6	Grey Cockatiel	<i>Nymphicus hollandicus</i>	5	5	1	11
7	Pied Cockatiel	<i>Nymphicus hollandicus</i>	3	3	0	6
8	* Pheasant Kalij	<i>Lophura leucomelana</i>	1	1	0	2
9	Dove Australian White	<i>Columbiformes</i>	1	2	0	3
10	Conure Sun / Sun parakeet	<i>Aratinga solstitialis</i>	0	1	0	1
11	Rhea (White)	<i>Rhea pennata</i>	1	2	0	3
12	Love Birds (Lutino)	<i>Agapornis sps</i>	3	3	2	8
13	Love Birds (Peach faced)	<i>Agapornis sps</i>	8	9	4	21
14	Love Birds (Fischers)	<i>Agapornis sps</i>	3	3	0	6
15	Duck Mandrine	<i>Aix galericulata</i>	0	1	0	1
16	Lorikeet Rainbow (Red Collared Lory)	<i>Trichoglossus rubritorquis</i>	1	0	0	1
17	Swan Mute (White)	<i>Cygnus olor</i>	1	0	0	1
18	* Fowl Jungle Grey	<i>Gallus sonneratii</i>	2	3	0	5
19	Myna Common	<i>Acridotheres tristis</i>	1	1	0	2
20	Ostrich	<i>Struthio camelus</i>	1	2	0	3
21	Pigeon Blue Rock	<i>Columbidae colombiformes</i>	18	20	2	40

22	Parakeet Mustache	<u>Psittacula alexandri</u>	1	1	0	2
23	Pheasant Silver	<u>Lophura nycthemera</u>	1	1	0	2
24	* Peafowl White	<u>Pavo cristatus</u>	1	1	0	2
25	Pheasant Yellow golden	<u>Chrosolophus pictus</u>	0	1	0	1
26	Fowl Jungle Red	<u>Gallus gallus</u>	3	2	2	7
27	Pheasant Lady amrhest	<u>Chrysolophus amrhestiae</u>	1	1	0	2
28	Swan Black	<u>Cygnus atratus</u>	1	1	0	2
29	Fantail pigeon	-	1	1	0	2
			28	31	4	179
	Grand Total		90	127	34	383



Inauguration of Battery Operated Vehicle



Inauguration of Leopard Enclosure



ANNEXURE-1

Feed Chart 2017-18 for Animals & Birds in Kakatiya Zoological Park, Warangal

S.No	Animals & Birds Name	For Each Animal / Bird	Feed Name	Unit	Quantity per Each animal per Day
1	Leopard	1	Beef	Kg	3
2	Sloth Bears	1	Milk	Litres	1
			White Jowar Ravva	Kgs	1
			Eggs	Nos	1
			Honey	gms	30
			Bread	Kgs	1
			Banana	Nos	1
			Carrot	gms	250
	Tomato	gms	100		
3	Jackal	1	Beef	Kgs	1
4	Jungle Cat	1	Beef Chopped	Kgs	0.25
			Country Bird	Each	Weekly Once
5	Spotted Deers	1	Cattle feed	Kgs	1
			Hay	Kgs	Adlibitum
6	Sambars	1	Cattle feed	Kgs	1.50
7	Chowsingha	1	Cattle feed	gms	500
8	Black Buck	1	Cattle feed	Kgs	1
9	Nilgai	1	Cattle feed	Kgs	1.50
10	Mouse Deer	1	Apple -	gms	50
			Banana -	gms	100
			Carrot -	gms	50
			Sweet Potato	gms	50
			Black Gram-	gms	50
			Horse Gram-	gms	50
11	Crocodiles	1	Boneless Beef	gms	600
12	Star Tortoise	1	Chana	gms	10
Cucumber			gms	20	
13	Turtles	1	Chana	gms	10
Cucumber			gms	20	
14	Red Eared Turtle	1	Chana	gms	10
			Cucumber	gms	20
15	Green Iguana	1	Palakura	Kgs	0.075
			Cabbage	Kgs	0.075

			Apples	Kgs	0.075
			Papaya	Kgs	0.075
16	White & Black Swans	1	Wheat	Kgs	0.25
			Sajjalu	Kgs	0.1
			Korralu	Kgs	0.1
			Chana	Kgs	0.1
17	Ostrich Birds	1	Palak	Kgs	1
			Eggs	Nos	4
			Keera Dosa	Kgs	2
			Cabbage	Kgs	0.5
			Pudina	gms	250
			Curry leaves	gms	250
			Coriander (Kothimeera)	gms	250
			Layer mesh	Kgs	1
18	White Rhea	1	Palak	Kgs	2
			Keera Dosa	Kgs	2
			Cabbage	Kgs	1
			Emu Grower Mesh	Kgs	2
			Eggs	Nos	4
			Pudina	gms	0.25
			Curry leaves	gms	0.25
			Coriander (Kothimeera)	gms	0.25
19	Rose ring parakeets	1	Sun flower seed	gms	15
20	Allexandrine Parrots	1	Sun flower seed	gms	20
21	Blossom headed Parrot	1	Sun flower seed	gms	15
22	Mustache parrot	1	Sun flower seed	gms	15
23	Red Collared Lory	1	Sun flower seed	gms	20
24	Sun Conure	1	Sun flower seed	gms	20
25	Cockatiels	1	Sun flower seed	gms	10
			Saw flower seeds	gms	5
			Green leaves (Palak or Lucerne)	gms	10
26	Peafowls	1	Green leaves (Palak or Lucerne)	gms	50

			Poultry feed	gms	120
27	White Peafowl	1	Green leaves (Palak or Lucerne)	gms	50
			Poultry feed	gms	120
28	Khalij Pheasant	1	Green leaves (Palak or Lucerne)	gms	50
			Poultry feed	gms	120
29	Yellow Golden Pheasant	1	Green leaves (Palak or Lucerne)	gms	50
			Poultry feed	gms	120
30	Silver Pheasant	1	Green leaves (Palak or Lucerne)	gms	50
			Poultry feed	gms	120
31	Lady Amherst Pheasant	1	Green leaves (Palak or Lucerne)	gms	50
			Poultry feed	gms	120
32	Love Birds	1	Green leaves (Palak or Lucerne)	gms	10
33	Pigeons	1	Pigeon / Poultry mixture	gms	50
34	Fan tail pigeon	1	Pigeon / Poultry mixture	gms	50
35	Red Jungle fowl	1	Green leaves (Palak or Lucerne)	gms	50
			Poultry feed	gms	50
36	Grey jungle fowl	1	Green leaves (Palak or Lucerne)	gms	50
			Poultry feed	gms	50
37	White Dove	1	Pigeon / Poultry mixture	gms	50
38	Mandrine Duck	1	Pigeon / Poultry mixture	gms	50

ANNEXURE-2: Arboretum of Native Wild Species Plants

The local wild species of plants are to be planted in the Zoo premises, opposite to the Deer enclosure / adjacent to the Mouse Deer enclosure.

S.No	Valued timber విలువైన కలప	Small timber చిన్న కలప	Fuel & pulp wood వంట చెరుకు & కలప గుఱ్ఱ
1	<i>Tectona grandis</i> Verbinaceae	Dendrocalamus strictus Bombuseae	Lannea coromandalica Anacardiaceae
2	<i>Pterocarpus marsupium</i> Papilionaceae	Bambusa arundinacea Bambuseae	Garuga pinnata Burseraceae
3	<i>Gmelina arborea</i> Verbinaceae	Cleistanthus collinus Euphorbiaceae	Dalbergia paniculata Papilionaceae
4	<i>Adina cordifolia</i> Rubiaceae	Legerstroemia parviflora Lythraceae	Albizia procera Mimosaceae
5	<i>Mitragyna parvifolia</i> Rubiaceae	Polyalthia cerasoides Annonaceae	Albizia amara Mimosaceae
6	<i>Dalbergia latifolia</i> Papilionaceae	Chloroxylon swietenia Meliaceae	Balanites roxburghii Balanitaceae
7	<i>Terminalia alata</i> Combretaceae	Acacia leucophloea Mimosaceae	Hymenodictyon excelsum Rubiaceae
8	<i>Madhuka latifolia</i> Sapotaceae	Alangium lamarcki Alangiaceae ఊడుగు	Erythroxyton monogynum Lineaceae దేవదారు
9	<i>Hardwickia binata</i> cesalpinaceae నారేప	Anogeissus latifolia Combretaceae తిరుమాను	Prosopis cineraria Papilionaceae జమ్మి

10	Albizia odoratissima Mimoseae చిందుగ	Anogeissus acuminata Combretaceae పాళి	Givotia rottleriformis Euphorbeaceae తెల్ల పొనికీ
11	Xylia xylocarpa Mimoseae బొజ్జ	Dolichandrone falcata Bignoniaceae ఒడ్డి	Gyrocarpus jacquini Combretaceae కుమ్మరి పొనికీ
12	Grewia tiliaefolia Tiliaceae తడ	Bauhinia recemosa Caesalpinaceae ఆరె	Dalbergia lanceolaria Papilionaceae పసరు గన్ని
13	Soymida febrifuga Miliaceae సోమి	Cordia Myxa Boraginaceae ఇరికీ	Zyziphus xylopyra Rhamnaceae గొట్టి
14	Schleichera oleosa Sapindaceae పూసుగు	Trewia Nudiflora Euphorbiaceae బొత్తూ	Randia dumetorum Rubiaceae మంగ
15	Sehrebera swietenoides Oleaceae మొక్కబు	Premna tomentosa Lamiaceae నాగూరు	Acacia chudra Mimosaceae సండ్ర

	Fruits, nuts & gums పండ్లు, గింజలు, జిగుర్లు	Ornamental ఆకర్షణకు	Medicinal ఔషధాలకు
1	Aegle marmelos Rutaceae మారేడు	Cochlospermum religiosum Bixaceae కొండ గోగు	Terminalia arjuna Combretaceae ఎరుమద్ది
2	Feronia limonea Rutaceae వెలగ	Bombax ceiba Bombacaceae బూరుగ	Strychnos nuxvomica Strychnaceae

			ముష్టి
3	Emblica officinalis Euphorbiaceae ఉసిరి	Butea monosperma Papilionaceae మోదుగ	Strychnos potatorum Strychnaceae చిల్ల
4	Manilkara hexandra Sapotaceae పాల	Ochna obtusata Ochnaceae సోనారి	Wrightia tinctoria Apocynaceae పాలకొడిశ
5	Semecarpus anacardium Anacardiaceae నల్ల జీడి	Dillenia pentagyna Delleniaceae కళింగ	Holorrhina antidysenterica Apocynaceae ఇస్తారి పాల
6	Diospyros melanoxylon Ebenaceae తునికీ	Sterospermum chelonoides Bignoniaceae కలకొట	Terminalia bellerica Combretaceae తాని
7	Bridelia hamiltoniana Phyllanthaceae పంచోద్యము	Heterophragma roxburghi Bignoniaceae బరె కలగోడు	Terminalia chebula Combretaceae కరక
8	Eugenia jambolana Myrtaceae	Cassia fistula Cisalpinaeae	Streblus asper Moraceae
9	Commiphora caudata Burseraceae	Ixora parviflora Rubiaceae	Boswellia serrata Burseraceae
10	Buchnanian latifolia Anacardiaceae	Barringtonia acutangula Barringtoniaceae	Sterculia urens Sterculiaceae
11	Careya arborea Barringtoniaceae	Oroxylum inidicum Bignoniacea	Morinda tinctoria Rubiaceae
12	Gardenia latifolia Rubiaceae	Crataeva nurvala Capparaceae	Santalum album Santalaceae
13	Zyziphus jujuba	Ougenia dulbergioides	Saraca indica

	Rubiaceae	Papilionaceae	Papilionaceae
14	Carissa Carandas Apocynaceae	Gardenia lucida Rubiaceae	Elaeodendron roxburghii Celastraceae
15	Ficus glomerata Moraceae	Sterculia alata Sterculiaceae	Commiphora wightii Burseraceae



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