

KAKATIYA ZOOLOGICAL PARK,
HANUMAKONDA

ANNUAL REPORT
FOR THE YEAR 2021-22



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1. Report of the Officer-in-Charge :

- The COVID-19 pandemic results economic crisis in the Kakatiya Zoological Park.
- After reopening the Zoos, ongoing physical distancing requirements typically reduce visitor numbers.
- Azadi ka Amrit Mahotsav is an initiative of the Government of India to celebrate and commemorate 75 years of Independence and the glorious history of its people, culture and achievements.
- As per the CZA instructions our Zoo celebrated in 6th week i.e. from 19th to 25th April, 2021 with special focus on Four horned Antelope.
- In Telangana state, this is the second biggest Zoo and patronage is very much encouraging. Permission for introducing Bison (Indian Gaur) and Tiger is awaited from Central Zoo Authority.
- We are planning to construct modern kitchen, Hospital and Enrichment in the enclosures, if financial assistance is extended by Central Zoo Authority, this activity can be taken up in scientific manner.

Sd/- Sri M.Nagabhushanam,SFS.,
District Forest Officer,
Hanumakonda & 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, and 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 VigyanaKendra 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

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

4. Mission

- a. 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.,
- b. To improve the conservation of rare and endangered species.
- c. To Rescue and rehabilitate wild animals, which accidentally stray into the human habitation and to Reduce the human animal conflict.
- d. Provide wholesome recreation for the density populated urban landscape.
- e. To exhibit the animals in a better way to its natural habitat.

5. Objective

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

6. About us

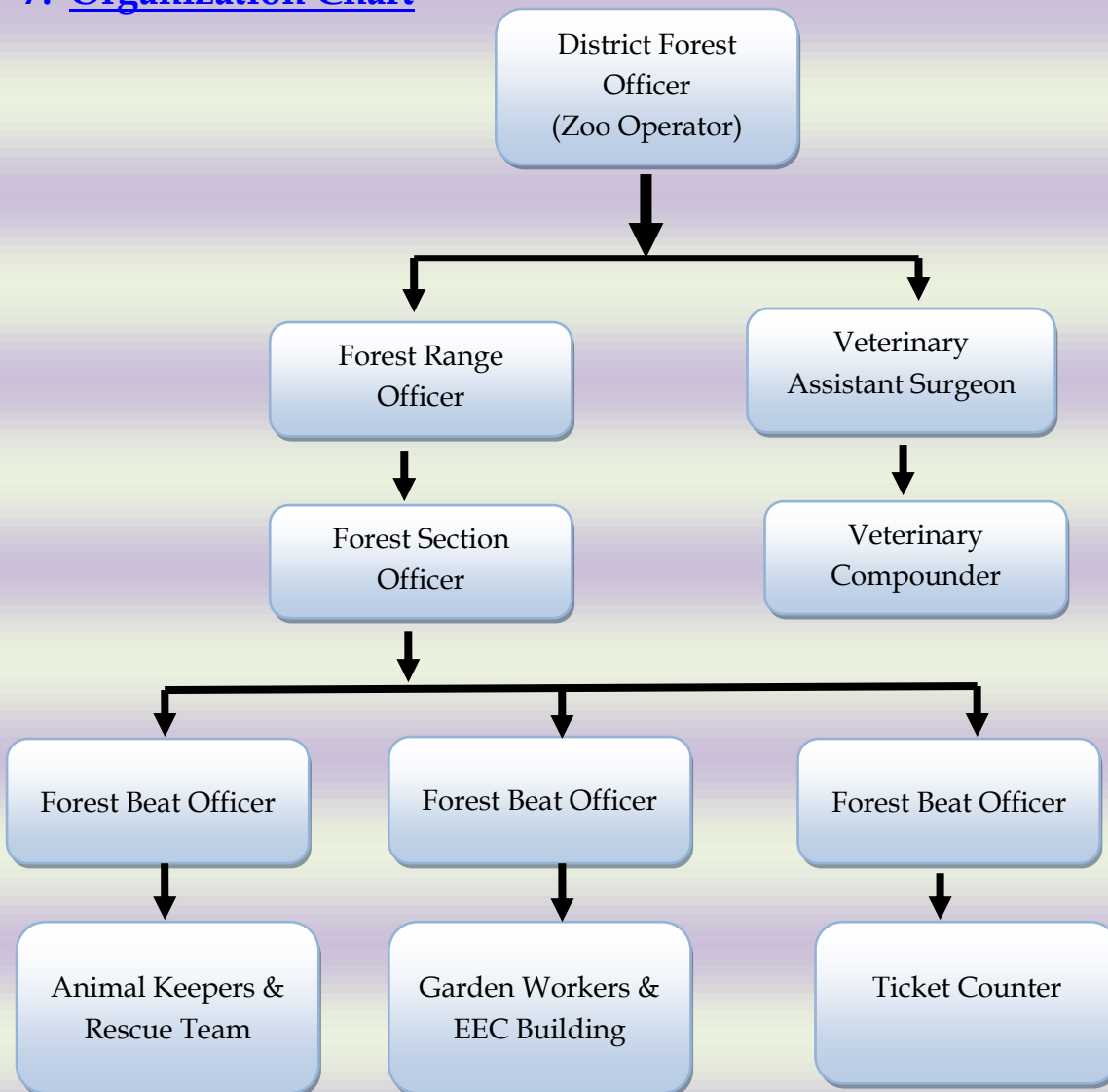
S.No.	Particulars	Information
1.	Name of the Zoo	Kakatiya Zoological Park, Hanumakonda
2.	Year of Establishment	1985
3.	Address of the Zoo	Hunter Road, Hanamkonda
4.	State	Telangana
5.	Telephone Number	0870-2431546
6.	Fax Number	--
7.	E-mail address	dfowglurban@gmail.com & frozoowgl@gmail.com
8.	Website	--
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)	18.08.2022.
11.	Category of Zoo	Small Zoo
12.	Area (in Hectares)	19.22
13.	Number of Visitors (Financial Year)	Adult : 152101 No.s
		Children: 31688 No.s
		Total Indian: 183789 No.s
		Total Foreigners : ---
		Total Visitors : 183789 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 M.Nagabhushanam.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	M. Sambaraj
17	Name of the Operator	Sri M.Nagabhushanam.SFS,
18	Address of the Operator	O/o District Forest Officer, Hanumakonda & 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	Smt. K. Srujana Kumari
2	Forest Section Officer	1	Sri D. Ramdas
3	Forest Beat Officer	3	Sri P. Ashok
			Smt K. Swapna
			Smt Md. Jarina Begum

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	--	--	--	--

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

Sl. No	Month	Adults (Nos)	Childrens (Nos)	Camera (Nos.)	Total Visitors (Nos.)	Entry Fee (Rs.)	Battery Vehicle (Rs.)	Canteen Rent (Rs.)	Vehicle Parking (Rs.)	Total Revenue Amount
1	2	3	4	5	6	7	8	9	10	11
1	Apr-21	7933	1461	66	9394	403690	0	0	34000	437690
2	May-21 (1 Day)	196	18	2	214	11200	0	0	0	11200
3	Jun-21	Zoo Closed due to Corona 2nd Wave								
4	Jul-21 (10th onwards)	8602	1561	32	10163	389550	0	0	19800	409350
5	Aug-21	16534	3604	55	20138	776870	0	0	34000	810870
6	Sep-21	14376	2805	40	17181	660090	0	0	38100	698190
7	Oct-21	18005	4529	44	22534	851130	0	0	38100	889230
8	Nov-21	16648	3659	38	20307	763720	0	0	38100	801820
9	Dec-21	19153	4308	46	23461	884830	0	0	38100	922930
10	Jan-22	18616	4773	57	23389	885100	0	0	38100	923200
11	Feb-22	15169	481	36	15650	705620	20	0	38100	743740
12	Mar-22	16869	4489	42	21358	795140	2130	0	38100	835370
Total :		152101	31688	458	183789	7126940	2150	0	354500	7483590

Expenditure :

Sl. No.	Name of the Component	Unit Cost (Rs.)	Proposed APO-2021-22		Expenditure up to the month MARCH' 2022	
			Phy	Fin	Phy	Fin
1	2	3	4	5	6	7
I	Fodder, Diet and maintenance					
a	Development and maintenance of fodder plots	7500	10	0.750		
b	Cost and supply of feed to the animals and birds	Ls.	A/a	40.000		2.51187
c	Cost of Plants (Ornamental & Shade, Fruit bearing)	150	200	0.300		
Sub Total :				41.050		2.51187

II	Veterinary Care for Wild Animals					
a	Cost of Medicines to the Wild Animals and Birds	Ls.	A/a	0.500		0.49799
b	Cost of Tranquilizing Drugs	Ls.	A/a	0.750		0.89065
c	Cost of Disinfectants and Hygiene items for wild animals	Ls.	A/a	0.500		0.45560
d	Cost of feed supplements	Ls.	A/a	0.500		0.49840
	Sub Total :			2.250		2.34264
III	Maintenance of Lawns					
a	Maintenance of existed Lawns at EEC building area & Karthikavanam Gardens & Jackal Moat Area and Maintenance of Butterfly park, Hedge Plants and Flower Beds and purchase of fertilizers, pesticides and other accessories.	133333.3	12	16.000		15.71950
	Sub Total :			16.000		15.71950
IV	Visitors Amenities					
a	Maintenance of R.O. Plant	50000	2	1.000		0.18000
b	Maintenance of Existing pagodas	20000	5	1.000		
c	Maintenance of existing toilets including hygiene maintenance.	33333	3	1.000		0.79850
d	Maintenance of Children play area and Play equipments	250000	1	2.500		
e	Purchase of Wheel chairs for disabled persons	10000	2	0.200		
f	Maintenance of Rachabandas	10000	10	1.000		
	Sub Total :			6.700		0.97850
V	Maintenance of Office & Zoo Park					
a	Wages to the Computer Operator @ Rs. 19,500/- + (EPF 13.36% :2605, ESI 4.75% :926/-, EDLI 1.61% : 314/-, Agency Commission 3% : 585/- and Service Tax 18% : 3510/- = Rs. 27440/- per month) as per G.O.Ms.No. 60, Dt: 11.06.2021 & PCCF, Hyd Ref.No.7407/ 2018/ Admn-2, Dt.23.06.2021)	316618	1	3.16618		2.97025
b	Wages to the Animal Keepers and Night watchman @ Rs.15,600/- + (EPF 13.36% :2084, ESI 4.75% :741/-, EDLI 1.61% : 251/-, Agency Commission 3% : 468/- and Service tax 18% : 2808/- = Rs. 21952/- per month) as per G.O.Ms.No. 60, Dt: 11.06.2021 & PCCF, Hyd Ref.No. 7407/ 2018/ Admn-2, Dt: 23.06.2021)	253914	17	43.165		39.07406
c	Wages to the Scavenger (Rs. 9000/- per month)	108000	1	1.080		1.08000
d	Wages to the Electrician cum Plumber (Skilled wages Rs.15000/- per month)	180000	1	1.800		1.80000

e	Repairs and maintenance of existing bore well Motors and Solar motor etc.,	Ls.	A/a	2.000		1.00547
f	POL Charges & Maintenance of Feed and Transportation Vehicle & Other Vehicles (Govt. Jeep and Mayuri Van)	100000	3	3.000		1.44290
g	Translocation of Deers & Fabrication of Transportation Cages	Ls.	A/a	2.000		
h	Cost and Supply of Earthen pots, Bamboo Tatties, Feed Basins & Bowls	Ls.	A/a	0.300		0.30000
j	Summer arrangements to the zoo animals and birds (Cost of Khus-Khus grass thatties)	Ls.	A/a	1.200		
k	Purchase and Maintenance of Ticket wending machine and paper rolls etc.,	Ls.	A/a	0.500		0.47900
l	Providing gas cylinder for feed cooking	1667	12	0.200		0.20000
m	Maintenance of Battery Vehicle	100000	1	1.000		
n	Maintenance of CC Cameras	5000	10	0.500		
o	Arrangements for Covid-19 (Sanitization spraying, Thermal screening device etc.,)	Ls.	A/a	0.500		
	Sub Total :			60.412		48.35168
VI	Development works in the Zoo (Other Works)					
a	Electricity charges for bore motors	Ls.	A/a	8.000		3.54453
b	Maintenance of Animal Enclosures including Revetment & Strengthening of Herbivore enclosures - Moat walls	Ls.	A/a	15.000		0.69845
c	Ratproofing to the Birds Aviaries.	Ls.	A/a	12.000		
d	Purchase of Lawn equipment.	Ls.	A/a	0.500		
e	Providing Insurance facility to the Animal Keepers, Rescue Team & Workers.	1923	26	0.500		0.31152
f	Providing Uniform to the Animal Keepers and Rescue Team	Ls.	A/a	0.700		0.69400
g	Construction of damaged boundary wall	Ls.	A/a	5.000		
h	Spillover work of Renovation of Boundary wall	Ls.	A/a	12.000		12.36953
i	Spillover work of revetment to the Sambar enclosure	Ls.	A/a	4.500		4.52894
j	Miscellaneous unforeseen expenditure	Ls.	A/a	5.3884 4		4.59020
	Sub Total :			63.58844		26.73717
	Grand Total :			190.0000		96.64136

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 Bear	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	Sambar Deer	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	Crocodile	Beef Boneless	600 Grams	600 Grams	-
12	Star Tortoise	Chana	10 Grams	10 Grams	-
		Cucumber	20 Grams	20 Grams	-
13	Indian Soft shell Turtle	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 Bird	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 ringed parakeet	Sunflower Seed	15 Grams	15 Grams	-
20	Allexandrine Parakeet	Sunflower Seed	20 Grams	20 Grams	-
21	Blossom headed Parakeet	Sunflower Seed	15 Grams	15 Grams	-
22	Mustache parakeet	Sunflower Seed	15 Grams	15 Grams	-
23	Red collared Lory	Sunflower Seed	20 Grams	20 Grams	-
24	Sunconure	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	-

Sl. No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
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 Pheasant	Green leaves (Palak)	50 Grams	50 Grams	-
		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	FCV, FVR, FPV & Rabies and Tripanosomiasis	Feligen, Raksharab & Triquine	Annually	
3	Jackal	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	Piperazine	January
6	Canids	Ivermectin	January
7	Felines	Dectomax	January
8	Herbivores	Rafoxanide, Levamesole	January

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	Fumigation	Monthly
3		All the enclosures	Phenyl foot bath	Daily
4		All visitor areas of the enclosures	Kohrsolin-Th	Monthly
5		All the enclosures	Removal of night soil, cleaning of floor in each cell and corridors with Kohrsolin-Th	Daily
6		All the enclosures	Cleaning of Feeding and water troughs	Daily
7		All the enclosures	Removal of top soil	Annually
8		All Herbivore enclosures	Ecto-Parasitic spray	Whenever required
9		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, Hanumakonda.	Animal Keepers and Rescue Team Members.	16.11.2021	NIL

18. Education and Awareness programmes during the year Azadi Ka Amrut mahotsav Celebrations



आजादी का अमृत महोत्सव

75

CONSERVATION TO CO-EXISTENCE: THE PEOPLE CONNECT

75 Weeks 75 Species 75 Zoos

19th to 25th April 2021

KAKATIYA ZOOLOGICAL PARK, WARANGAL, TELANGANA

Date & Time	Event
	<p>19.04.2021 10.30 to 11 am Virtual Inauguration of Azadi Ka Amrut Mahotsav : Introduction by Ms Arpana IFS, District Forest Officer, Warangal Urban, Jangaon & Rural. Release of e-posters on Kakatiya Zoological Park & Four horned antelope by Smt R. Sobha, IFS, PCCF (HoFF) / Chief wildlife warden, Telangana. Address by Dr S.J. Asha, IFS, Chief Conservator of Forests, Warangal Circle. Special address by Ms R. Sobha, IFS, PCCF (HoFF) / Chief wildlife warden, Telangana. Key note address by Dr S.P. Yadav, IFS, Member Secretary, Central Zoo Authority, Delhi. Webinar (Expert talk) on species of the week - Four horned antelope by Dr Ch. Sammalah, Retired Professor, K.U.</p> <p style="text-align: center;">11.15 to 12noon</p>
	<p>20.04.2021 9 to 11 am Drawing, Painting competitions on any wild animal and Photography (offline) on any Flora of Telangana state, Deers & Antelopes for High School and College students at Kakatiya Zoological Park, Warangal.</p>
	<p>21.04.2021 9 to 11 am Online photography competition (Photos to be sent to the frozonwpl@gmail.com) on any Flora of Telangana state, Deers & Antelopes. 4 to 5 pm Webinar (Expert talk) Know all about species by Dr Koustubh Sharma, Interantional Co-ordinator, Global Snow Leopard and Ecosystems Protection Program (GSLEP) Know all about Zoo by Ms Arpana, IFS, DFO, Warangal Urban, Jangaon & Rural (webinar).</p>
	<p>22.04.2021 9 to 11 am Quiz competition on wildlife and wildlife conservation at Kakatiya Zoological Park, Warangal. 4 to 5 pm Webinar (Expert talk) on species of the week by Dr Konda Satya Parameshwar, Retired Principal, Lal Bahadur college, Warangal and Interaction with Deccan Birders.</p>
	<p>23.04.2021 9 to 11 am Guided trips for the students and visitors in the Kakatiya Zoological Park by Dr Ch. Praveen Kumar and Team.</p>
	<p>24.04.2021 9 to 11 am Writing competitions – Essay, Story & Poem on Four horned antelope at Kakatiya Zoological Park, Warangal.</p>
	<p>25.04.2021 9 to 10 am Exhibition and Digital shows to the local children. 10 to 11 am Interaction with volunteers of Friends of Snake Society. 11 to 12 noon Prize distribution & Closing ceremony.</p>

WEEK 6
FOUR HORNED ANTELOPE
19th to 25th April, 2021



Note : Please maintain the social distance, sanitize your hands and wear a mask in the premises of Kakatiya Zoological Park, Warangal.

FOUR HORNED ANTELOPE

Common name : Chowsingha
Scientific name : *Tetracerous quadricornis*

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CONSERVATION TO CO-EXISTENCE: THE PEOPLE CONNECT

75 Weeks 75 Species 75 Zoos

19th to 25th April 2021



आजादी का अमृत महोत्सव



1st pair of horns appears at few months of age & 2nd pair grows after 10-14 months. Enlarged preorbital gland extending below the eye.



Gestation period: 230 - 280days
Avg litter size: 1 - 2 No.



Elusive in nature, live single or in pair.



Only males have horns, 2 anterior and 2 posterior smooth, sharp horns, unique among wild horned mammals. The retlocks are marked with white patches.



Habitat: open grass lands Feeding mainly on grasses, herbs & shrubs.



Found near water sources.



Two pairs of horns

Yellowish brown to reddish coat

Slender with thin legs


Kingdom : Animalia
Phylum : Chordata
Class : Mammalia
Order : Artiodactyla
Family : Bovidae
Sub family : Bovinae
Genus : Tetracerous
Species : quadricornis

Size : 65-125 cms.
Weight : 20-25 kg
Top speed : 62 kmph
Life span : 10-15 years
Status : Vulnerable
Colour : Brown, White & Black
Range : Indian & Nepal

KAKATIYA ZOOLOGICAL PARK


WARANGAL, TELANGANA STATE






KAKATIYA ZOOLOGICAL PARK

WARANGAL, TELANGANA




CONSERVATION TO CO-EXISTENCE:
THE PEOPLE CONNECT
75 Weeks 75 Species 75 Zoos
19th to 20th April 2023




Introduction
 The then Hon'ble Governor of Andhra Pradesh Dr. Shankar Dayal Sharma laid the foundation stone on 16.01.1983 and named it as Vana Vignam Kaminu. This was initially recognized as Mini Zoo in the year 2006. It was upgraded as **SMALL ZOO** by the Central Zoo Authority of India on 01.01.2014. It was renamed as Kakatiya Zoological Park in 2017 in honour of the Kakatiya dynasty that ruled in this region between the 12th-14th century with Warangal (Orugala) as its capital.

Enclosures / Animal Section
 This Kakatiya Zoological Park has been expanding slowly with addition of new enclosures every year. There are 14 open enclosures, 27 closed exhibits and 2 dry moated enclosures.




- Area : 47.50 Acres (19.22 Ha)
- Mammals : 10 Species 136 specimens
- Birds : 28 Species 186 specimens
- Reptiles : 5 Species 74 specimens
- Total : **43 Species 396 Specimens**
- Zoo Holiday: Monday
- Zoo timings: 9.30 am to 5.30 pm

Animal Adoption Scheme
 Kakatiya Zoological Park introduced animal adoption Scheme for their maintenance and care in addition to providing nutritional food to the animals and birds. 134 Donors have Adopted Zoo Animals & Birds during Year 2020-21.




Rescue & Rehabilitation of wild Animals
 Rescue Team of Kakatiya Zoological Park is effectively functioning and successfully rescued many of Wild Animals like, Leopards (5), Sloth Bears (51), Jackals (12), Jungle Cat (4), Four horned antelopes (7), Indian Gaur (3), Nilgai (5), Deers (26), Snakes (204), Crocodiles (4), Birds (129) and Primates (9) and Others (12) TOTAL (471) and released into Forest into the Forest safely.




RESCUE OF WILD ANIMALS DURING MAN - WILD ANIMAL CONFLICT


RELEASE OF WILD ANIMALS IN TO THE FOREST



Visitor Amenities
 The Avg visitors of the Zoo is 27,022 Nos / month and the Avg revenue is Rs. 7.4 Lakhs / month. All visitor's amenities like Drinking water facilities, parking space, battery vehicle, visiting benches, interpretation centre, EEC building, Canteen, toilet, pagoda, Rachabandasa, wheel chair, sprawling area with lawn and play pen etc., have already been developed in Kakatiya Zoological Park and some new additions are being done on regular basis.



Education / Awareness programs
 To create awareness among all sections of society, different education awareness programmes are being conducted by Kakatiya Zoological park every year.



District Forest Officer
Warangal & Jangam Dist.









Vanyaprani Saptah Celebrations



Plantation programme with Local MLA





Awareness programme to the training foresters at EEC



Adoption of Mouse deer by the Lions club, Hanumakonda



19. 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 overhead 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, and bananas) to all animals and birds.
11. Electral 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.

20. Research Work carried out and publications

Only Broachers and Zoo Calendar were published.

21. 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 Ostrich. And these are exchanged with other zoos in Erstwhile Andhra Pradesh state. Kakatiya Zoological Park has been acquired Jackal, Red Jungle fowl, Alexandrine Parakeet, Cockatiels, Silver pheasant from Nehru Zoological Park, Hyderabad and White Peafowl, Grey Jungle fowl, Love birds from Sri Venkateshwara Zoological Park, Thirupathi on exchange programme.





Apart from these, this zoo has been successfully bred many endangered species i.e., Mouse deer, Black Buck, Jackal, Mugger Crocodile, Star Tortoise, Indian Soft shelled Turtle and Peafowl. Among the exotic species, Ostrich and Pheasants are successfully bred in the Zoo Park.

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.

22. 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	-	-	-	

23. 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	24.4.2021	Jackal Male	Kothakonda, Bheemdevarapally, Warangal Urban dist.	24.1.2021	24.4.2021 Same place	
2	15.5.2021	Sloth Bear Female	Chityal, Tadvai, Kamareddy district.	15.5.2021	15.5.2021 Nehru Zoological Park, Hyderabad.	For Veterinary aid.
3	11.6.2021	Sloth Bear Female	Himmathnagar, Jaffargadh, Jangaon dist.	11.6.2021	11.6.2021 Thatikonda Reserve forest, Ghanpur range, Jangaon dist.	
4	30.7.2021	Langur Male	Jangaon railway station, Jangaon dist.	30.7.2021	30.7.2021 Pakhal, Narsampet.	
5	11.11.2021 & 12.11.2021	Indian flag shell turtle (23)	Captivity in pond, Thousand pillar temple, Hanumakonda.	11.11.2021 1	12.11.2021 Pakhal, Narsampet.	
6	12.3.2022	Sloth Bear Female	Gudipet, Hazipur, Mancherial distict.	12.3.2022	12.3.2022 Nehru Zoological Park, Hyderabad.	For surgical intervention .



Bear trapped in snare rescued



Veterinarians and foresters with the rescued female sloth bear at Nehru Zoological Park in Hyderabad on Sunday.

STATE BUREAU
Murchinal

A female adult sloth bear that got caught in an iron snare was rescued by Forest department officials from the forest near Godipet village in Hajipur mandal on Sunday, Foresters said the antearer was stuck in the wire noose while it was quenching its thirst at a water body in the forest. A rescue team from Warangal was roped in and the wild animal was rescued. Some wildlife hunters set the snare to kill deer and other herbivores that come to the water body in summer. The injured bear was later shifted to Nehru Zoological Park in Hyderabad, where veterinarians performed a surgery and amputated a part of the foot of the wild animal. The bear is now under observation, said Dr Praveen Kumar of the zoo park.

CHICKEN RATES	
Farm.....	₹. 343
Retail live.....	₹. 365
With skin.....	₹. 239
Skewers.....	₹. 272
EGG RATES	
Hyderabad (000app).....	₹. 349



24. Annual Inventory of animals

Form - II

[See Rule 11(1)]

Part - A

Inventory Report for the Year:

Endangered Species*

Sl. No	Species	Scientific Name	Stock as on 01-04-2021				During the year												Stock as on 31-03-2022										
			M	F	U	T	Births			Acquisition			Disposals			Deaths			M	F	U	T							
	Birds																												
1	Peafowl Common	<i>Pavo cristatus</i>	5	9	0	14			4											1						5	8	4	17
2	Peafowl White	<i>Pavo cristatus</i>	1	2	0	3																				1	2	0	3
3	Grey Jungle Fowl	<i>Gallus sonneratii</i>	2	2	0	4																				2	2	0	4
	Total Birds :		8	13	0	21	0	0	4	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	8	12	0	24
	Mammals																												
1	Antelope Four Horned (Chowsingha)	<i>Tetracerus quadricornis</i>	5	12		17			2																5	12	2	19	
2	Black Buck	<i>Antelope cervicapra</i>	7	16		23																			7	16	0	23	
3	Sloth Bear	<i>Ursus ursinus</i>	1	1	0	2																			1	1	0	2	
4	Jackal	<i>Canis aureus</i>	3	8	3	14														1					2	8	3	13	
5	Jungle Cat	<i>Felis chaus</i>	1	1	1	3																			1	1	1	3	
6	Mouse Deer	<i>Moschiola indica</i>	2	3		5			2																2	3	2	7	
7	Leopard	<i>Panthera pardus</i>	1	0	0	1																			1	0	0	1	
	Total Mammals :		20	41	4	65	0	0	4	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	19	41	8	68	
	Reptiles																												
1	Crocodiles (Mugger)	<i>Crocodylus palustris</i>	1	2	3	6																			1	3	3	7	
2	Turtle Fresh Water / Indian Soft-shelled	<i>Lissemys punctata punctata</i>	5	8	6	19																			5	8	6	19	
3	Tortoise Indian Star	<i>Geochelone elegans</i>	9	13	0	22			4																9	13	4	26	
	Total Reptiles :		15	23	9	47	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	24	13	52	
	Grand Total :		43	77	13	133	0	0	12	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	42	77	21	144	

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

Part - B

Other than Endangered Species

S.No.	Species (Animal Name)	Scientific Name	Stock as on 01-04-2021				During the year												Stock as on 31-03-2022			
							Births			Acquisition			Disposals			Deaths						
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	T			
	Birds																					
1	Ostrich	Struthio camelus	1	1	0	2													1	1	0	2
2	Rhea (White)	Rhea pennata	0	2	0	2													0	2	0	2
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	Chrosolophus pictus	1	1	0	2													1	1	0	2
6	Pheasant Silver	Lophura nycthemera	2	1	0	3													2	1	0	3
7	Pheasant Lady amrhest	Chrysolophus amrhestiae	1	0	0	1													1	0	0	1
8	Cockatiel Lutino	Nymphicus hollandicus	6	8	2	16													6	8	2	16
9	Grey Cockatiel	Nymphicus hollandicus	6	6	0	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	2	0	5													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				0	1	0	1
15	Red Collared Lory	Trichoglossus rubritorquis	1	0	0	1									1				0	0	0	0
16	Sun conure / Sun parakeet	Aratinga solstitialis	0	1	0	1													0	1	0	1
17	Love Birds (Peach faced)	Agapornis sps	7	9	4	20													7	9	4	20
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	4	0	7												3	4	0	7	
21	Pigeon Blue Rock	Columbidae Colombiformes	18	20	10	48												18	20	10	48	
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 Australian	Columbiformes	1	2	0	3												1	2	0	3	
25	Maroon tailed conure	Pyrrhura melanura	2	2	0	4												2	2	0	4	
	Total Birds:		73	80	18	171	0	0	0	0	0	0	0	0	0	2	0	0	71	80	18	169
	Mammals																					
1	Deer Sambar	Cervus unicolor	5	16	0	21			2									5	16	2	23	
2	Deer Spotted (Chital)	Axis axis	28	31	0	59			4	1								29	31	4	64	
3	Nilgai (Blue Bull)	Boselaphus tragocamelus	3	5		8			3									3	5	3	11	
	Total Mammals:		36	52	0	88	0	0	9	1	0	0	0	0	0	0	0	37	52	9	98	
	Reptiles																					
1	Iguana (Green Lizard)	Iguana iguana	0	0	4	4												0	0	4	4	
2	Terrapin Red Eared (Turtle)	Trachemys scripta elegans	6	8	19	33												6	8	19	33	
	Total Reptiles:		6	8	23	37	0	0	0	0	0	0	0	0	0	0	0	6	8	23	37	
	Grand Total:		115	140	41	296	0	0	9	1	0	0	0	0	0	2	0	0	114	140	50	304

25. 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	Jackal	Canis aureus	Male	30.11.2021	Septicemia
2	Peafowl	Pavo cristatus	Female	17.09.2021	Septicemia
3	Lorikeet Rainbow (Red Collared Lory)	Trichoglossus rubritorquis	Male	11.05.2021	Shock due to Septicemia
4	Moustached parakeet	Psittacula alexandri	Male	23.08.2021	Ulcerative enteritis

26. Veterinary Section

The present this Zoo has a small hospital with Operation theatre, a post mortem room and Inpatient room etc. Some additional amenities need be provided to make the hospital responsive to all the immediate needs of animal health care.

- **Quarantine Ward:** At present there is no separate quarantine ward to quarantine animals received from other Zoos or rescued animals. It is proposed to construct a modern quarantine ward.
- **In-patient Ward:** It is proposed to construct a modern in-patient ward near the hospital.
- **Post mortem Room:** It is provided in the hospital. The location of this soon is not proper now. Therefore, this facility would be shifted further inside, adjoining to incinerator, and built in a proper way.
- **Diagnostic Lab:** At present, all fecal samples, blood smears and urine etc., are being sent to Animal Disease Diagnostic Laboratory, Warangal. In case of public holidays and Sundays, the veterinary section of the Zoo is facing problem and the investigation and diagnosis is becoming late. Therefore, it is necessary to have a small diagnostic laboratory to take up faecal samples, blood smears, urine etc. Necessary assistance from the Central Zoo Authority shall be taken to provide these facilities.

A Wildlife Health Advisory Committee of the Zoo is to be formed with the members from Animal Disease Diagnostic Laboratory, Warangal and Veterinary college, Mamnoon, Warangal and experienced Zoo veterinarians (Retd / past experienced Vets) to oversee and advise on technical and other matters by the Chief Wildlife Warden, Telangana state. The committee meets once in (3) months in the Zoo. This need to be continued.

It is necessary to have a Veterinary Officer and Para Veterinarian as a regular post in the Zoo to treat emergency cases and to attend rescue operations in the Warangal circle. Create the posts of one Veterinary Asst. Surgeon and one Veterinary Assistant or Live stock Assistant in the Zoo as per the CZA norms.

27. Feed and Supply Section

The store section has two pronged activities, namely procurement and supply of feed to the animals.

New Feed store has to be set up adjacent to Veterinary hospital. It should be quite spacious and adequate for storing non- perishable food items like grains etc. and provided with Water purifier system. There is need for a cold storage room.

New Meat room cum kitchen has to be set up near the Feed store. It has all modern kitchen facilities. LPG gas is to be used for cooking purpose. Kitchen requires proper maintenance. Two deep Freezers have to be installed in this room for stocking beef and meat. Hot water provision has been provided.

The receipts of materials are entered into Stock registers. The veterinary doctor has to check the quality of feed / beef. FRO and DFO also check them off over on.

This Section is headed by one Forest Range Officer and is assisted by one Forest Section Officer, and 3 labourers. They also, cook food for animals. It is proposed to give dietician training to some of these staff.

28. Security Section

It is very important to keep the Zoo animals, Zoo property both movable and immovable, visitors safe and secure to make the Zoo a safe place and to run the establishment properly. Kakatiya Zoological Park which spreads over an area of 48 Acres with important belongings of forest department is prone to security hazards. The following items are to be attended on priority.

- 1) Removal of encroachments abutting the compound wall. Task force committee on development Kakatiya Zoological Park has to be set up and needs to be implemented.

- 2) It is advised to be provided with Concertina Razor coil all around the compound wall it has to be checked every day and maintained every day.
- 3) Extending CC Camera coverage to all-important enclosures and compound areas.
- 4) It is provided CCTV near Main Entrance. It is necessary to provide CC camera at Second Gate and service roads to avoid pilferage and to monitor the activities.
- 5) The present arrangement of Security system is ineffective because the security person is a single man without armed. Therefore, it is proposed to call for tenders from a standard security agency and to give them two shifts.
- 6) Watch towers with spot lights should be established at vulnerable points like to avoid possibility of entry through the wall.
- 7) Every year the jungle growth has to be cleared all along the compound wall for easy inspection. It is better to form a fair-weather road.

29. Garden Section

At present, the natural vegetation and the planted tree species have overgrown and fully covered the canopy. From Animal management point of view and for maintenance of lawns it is not advisable to have closed canopy. Therefore, while the tree growth along roads and footpaths and visitors zones would be maintained well, in animal enclosure areas periodic canopy lifting needs to be done, to allow sunshine, and to prevent flees and lice.

- i. The Herbivores enclosure opposite place and Siddasamudram tank bund have to be developed with lawn and other garden plants, as the visitors gather here to view the animals and wild water birds. Some sitting arrangement has to be provided
- ii) The children corner, formal garden, main road and outside area, parking stand are to be developed with Lawns.
- iii) Grass pitching, rock garden has to be taken up in the zoo premises.
- iv) The area adjacent to the Canteen has to be developed with good lawn.
- v) Live hedges to most of the enclosures has been damaged or decayed. It has to be replaced and restored. For this different live hedge species can be tried for this purpose.

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

- a. Mammals are not living as free ranging in the zoo premises.
- b. Birds - **Only Peafowl are living in the zoo premises.**
- c. Reptiles are not living as free ranging in the zoo premises



Thank You