NEHRU ZOOLOGICAL PARK

Annual Report - 2018-19



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HYDERABAD

www.hyderabadzoo.com



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DIRECTOR'S MESSAGE



Dr. Sidhanand Kukrety, I.F.S.,

Nehru Zoological Park, Hyderabad, is one of the most favoured tourist destinations in Hyderabad and attracts close to 2.90 million visitors every year. It is also a centre for Conservation, captive breeding, education and research purposes. The year 2018-19 has been yet another successful year, during which the Zoo excelled in animal care & breeding, and added scores of new amenities for the visitors. In the Zoo an attempt is made to keep the captive animals in their natural habitat conditions, which has resulted in excellent results in captive breeding. During 2018-19, major improvements have been made in the area of visitor amenities like initiating a Baby care centre, Introduction of new Battery Operated Vans, providing AC Safari Buses, Parking, etc., apart from providing huge sprawling lawns and beautiful landscape.

During the recent years, a lot of emphasis has gone into care of the young ones in the Zoo. A new cub rearing centre has been established to reduce infant mortality. During 2018-19, the Zoo also welcomed quite a few the new additions including African Lions, Barking Deer etc. Certain new initiatives introduced during 2018-19, like Animal keeper's trainings, interactive talk shows by Animal keepers etc., have been a huge success. The mouse deer conservation breeding and reintroduction programme of the Zoo continues its successful implementation. In order to future-proof the Zoo facilities, an ambitious Infrastructure Development Plan is under preparation.

I congratulate the Zoo team for highlighting all the major achievements of 2018-19 in this Annual Report and wish them the best in their endeavour.

Dr. Sidhanand Kukrety, I.F.S.,
APCCF / Director (FAC),
Nehru Zoological Park,
Hyderabad



CURATOR'S MESSAGE

Smt. N. Kshitija, I.F.S.,

It is with great pleasure, I present the Annual Report of Nehru Zoological Park Hyderabad for the year 2018-19. The year 2018-19 has been evident to many new initiatives in animal conservation, management and breeding and the highlights of our initiatives are presented in this annual report. These initiatives have attracted 29 lakh visitors to Nehru Zoological Park, Hyderabad in 2018-19 who have been enriched with interesting information about various animals straight from the animal keepers who take care of the animals. There was significant improvement in the animal collection through exchange programmes, infrastructure development and creation of new facilities, health care, fodder and other food production and conservation efforts.

Established in the year 1963, Nehru Zoological Park, Hyderabad has been instrumental in providing near natural habitats in the enclosures for housing the animals. A total of 1769no. of animals belonging to 173 species are housed in Nehru Zoological Park, Hyderabad.

During the year 2018-19 many enclosures were renovated including Reptile house, Stump tailed macaque, Aldabra tortoise, Barking Deer, Giraffe, Bear Safari, Chimpanzee, Malabar Giant Squirrel, Fodder Plot, Vermi-Compost and supplemented with enrichment for animals ,stand off barricades , and landscaping.

In this year we have welcomed Aldabra Tortoise & Giraffe into the zoo which were born here. Also as a part of animal exchange, a pair of Aldabra Tortoise, gifted by Seychelle's president to the president India and the President of India instructed to Nehru Zoological Park for housing a pair of Giraffe from Kolkatta Zoo etc;

To promote the sense of belongingness towards animals , animal adoption scheme is being implemented wherein individual, institutions and corporate sector are coming forward to contribute towards conservation of rare and endangered species as a part of Corporate Social Responsibility .

The strong veterinary team and Animal section of Nehru Zoological Park, Hyderabad have been a substantial in maintaining the good practices for health care management of animals . The constant interaction with Veterinary college, VBRI, Lacones etc ,who have been instrumental in guididng the zoo veterinarians and Animal section has also helped immensely in improving the health care .

Our major intitiatives this year have been providing Baby care centre for the visitors for feeding their infants, major steps towards green zoo concept their limiting all the staff vehicles to the entry gate, providing fodder, sugar cane , lopped branches and green leafy vegetables to the animals from our orchards along with generating and selling vermicompost ,with the efforts of our garden staff

. The interaction talks of the animal keepers have been well received by the visitors and has been a huge success.All the Eco days have been celebrated I this year involving the students, general public . Zoo keepers training programmes have also been organised .

The enthusiastic workshop team have always raised to the occasion and have been providing round the clock support in management of animal enlosures and visitor facilities.

Major steps have been taken to strengthen the security of the Zoo.

I would like to thank all my staff for their commitment, dedication and hard work for making 2018-19 a great successful year for Nehru Zoological Park, Hyderabad.



Smt. N. Kshitija, I.F.S.,
Curator,
Nehru Zoological Park,
Hyderabad

HISTORY OF THE ZOO

- Established in 1959
- Open for public in 1963
- Area 380 Acres
- Successful breeding of indigenous species Asiatic Lion, Royal Bengal Tiger, Herbivores, Antelopes, Gaur, Reptiles and Birds.
- Houses 173 species 1769 specimens of Mammals, Reptiles, Birds and Rodents.



Our Vision

Successful breeding of indigenous species Asiatic Lion, Royal Bengal Tiger, Herbivores, Antelopes, Gaur, Reptiles and Birds.



Our Mission

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

Objective

Taking clue from the vision & mission statements following set of objectives have been defined for Nehru Zoological Park, Hyderabad.

(i) Conservation Education
(ii) Conservation Breeding
(iii) To rehabilitate the birds and animals kept in the Public Gardens.
(iv) To exhibit the fauna in more naturalistic surroundings.
(v) To acquire vide spectrum of species of both indigenous and exotic animals and exhibit them in spacious nature simulated enclosures.
(vi) Research, documentation and study.
(vii) Rescue & Rehabilitation of wild animals and birds
(viii) Recreation and education for general visitors, tourists and students.



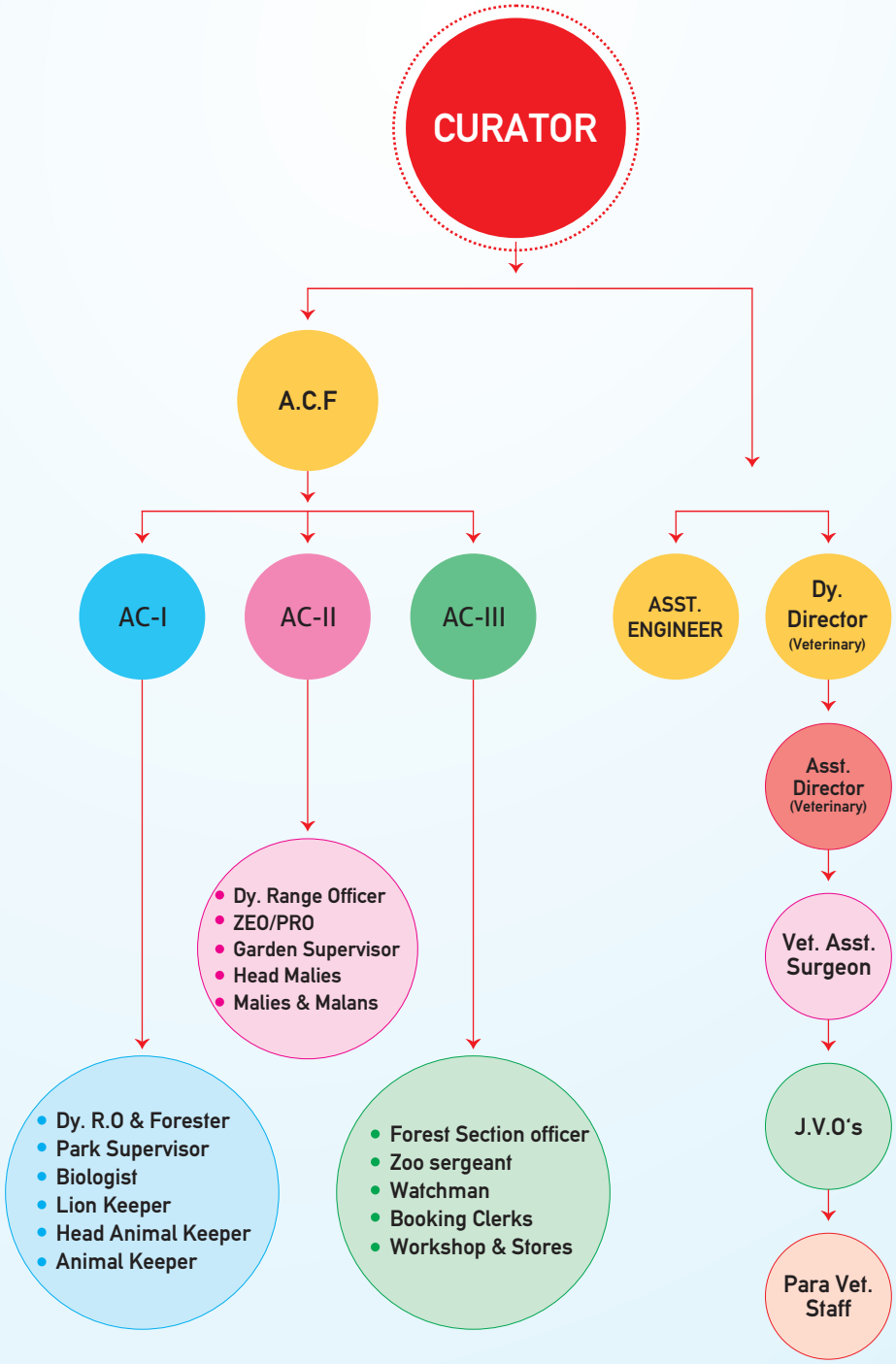
The action plan for the management of Zoo is always driven by the above objectives.

About Us

Sl.No.	Particulars	Information
I	**BASIC INFORMATION ABOUT THE ZOO**	
1	Name of the zoo	Nehru Zoological Park.
2	Year of Establishment	06-10-1963
3	Address of the Zoo	Bahadurpura, Hyderabad, 500064.
4	State	Telangana State
5	Telephone Number	040-24477355
6	Fax Number	-
7	E-mail address	nehruzoopark1@gmail.com,
8	Website	
9	Distance from nearest	**AIRPORT:** Rajiv Gandhi International Airport, Shamshabad, Hyderabad.
		RAILWAY STATION: Hyderabad Deccan and Kachiguda, Hyd.
		BUS STAND: Mahatma Gandhi Central Bus station, Hyd.
10	Recognition valid upto (Date)	30.10.2020
11	Category of zoo	Large Zoo
12	Area (in Hectares)	380 ACRES (154)
13	Number of visitors (Financial year)	**ADULT:** (M) 2158349 + (O) 41127 * M = MAIN ENTRANCE * O = ONLINE TICKETING
		CHILDREN: (M) 617106 + (O) 10728 * M = MAIN ENTRANCE * O = ONLINE TICKETING
		TOTAL INDIAN: There is no difference in Indian and Foreigners tickets.
		TOTAL FOREIGNERS: There is no difference in Indian and Foreigners tickets.
		TOTAL VISITORS : 28,27,310 Nos.
14	Visitors' Facilities Available in Zoo	BOV, Toy Train, Bicycles, Safari, RO Drinking water, Wash Rooms, Wheel chairs, Wi-Fi etc.
15	Weekly Closure Day of the Zoo	MONDAY
II	**MANAGEMENT PERSONNEL OF THE ZOO**	
16	Name of the designation of the Officer in-charge	**SMT. N. KSHITIJA,** IFS, CURATOR
	Name of the Veterinary Officer	**DR. M.A. HAKEEM,** Dy. Director (Vet)
	Name of the Curator	**SMT. N. KSHITIJA**
	Name of the Biologist	**M. SANDEEP, B. LAXMINARAYANA**
	Name of the Education Officer	**H.M. HANIFULLA**
	Name of the Compounder/Lab Assistant	**JVO**
III	**OWNER/OPERATOR OF THE ZOO**	
17	Name of the Operator	**Sri. Ajay Misra,** IAS
		Principal Chief Secretary EFS & T. Department Government of Telangana
18	Address of the Operator	Room No. 327A, D-Block, 2nd Floor, Telangana Secretariat, Hyderabad
19	Contact details/Phone number of Operator	040-23453111 (O) 040-23451440(Fax)
20	E-mail address of Operator	prisecy_efst@telangana.gov.in

Organizational Chart

Nehru Zoological Park, Hyderabad is headed by the Curator, assisted by an Asst. Conservator of Forests, in day to day maintenance of the Zoo. The zoo has three sections viz. namely a) Animal Section b) Garden Section c) Watch and ward section. The animal healthcare is looked after by a veterinary section headed by Dy. Director (Vet), assisted by Asst. Director (AH), Veterinary Assistant Surgeon and Para Veterinary Staff. The Hierarchy of the NZP is as follows:



The sanctioned strength of the staff is 231. There are 55 vacant posts. Due to shortage of manpower, the existing staff are overburdened. To relieve the burden on the existing staff and to manage the zoo as per the standards, some of the services are being outsourced.

Human Resources

STATEMENT SHOWING THE SANCTIONED STRENGTH, PERSONS WORKING AND NO. OF POSTS VACANT IN NEHRU ZOOLOGICAL PARK, HYDERABAD AS ON 31.03.2019.

Sl.No.	Category of Post	Total No. of Posts Sanctioned	No. of persons working	No. of posts vacant
1	Curator/ Dy. Director	1	1	0
2	Asst. Conservator of Forests,	1	1	0
3	Dy. Director (Vet)	1	1	0
4	Asst. Director (Vet)	1	1	0
5	Vety. Asst. Surgeon	1	1	0
6	J.V.O's	2	2	0
7	Veterinary Assistants	2	0	2
8	Asst. Engineer / Work Supervisor	1	0	1
9	Record Assistant	2	2	0
10	Booking Clerks	5	1	4
11	Park Supervisor	1	1	0
12	Garden Supervisor	2	2	0
13	Electrician	1	1	0
14	Head animal Keepers	2	2	0
15	Head Mallies	6	6	0
16	Carpenter	1	1	0
17	Fitter	2	1	1
18	Mason	2	1	1
19	Helpers	2	2	0
20	Plumbers	1	0	1
21	Lion Keeper	1	1	0
22	Gate Keeper	2	0	2
23	Black Smith	2	0	2
24	Senior Mechanic	1	0	1
25	Tram Driver	1	0	1
26	Traffic Controller	1	1	0
27	Labour (Mali/Malan)	67	57	10
28	Swimming Pool Supervisor	1	0	1
29	Artist cum Care taker	1	0	1
30	Pool Workers	4	3	1
31	Accounts Officer	1	1	0
32	Superintendent	1	1	0
33	F.R.O/Asst. Curator's	3	2	1
34	Dy. R. O	2	4	-2
35	F.S.O	2	1	1
36	Sr. Assistants	4	4	0
37	Jr. Asst+ 1Supernumary	4	2	2
38	Zoo Sargent	1	1	0
39	Drivers	5	1	4
40	Cleaners	1	1	0
41	Attender	2	1	1
42	Animal Keeper	51	46	5
43	Watchmen	25	21	3
44	D.M. Grade – II	1	0	1
45	Zoo Attendant	10	0	10
Total		**231**	**175**	**55**

Retirement Felicitations











Deaths



K. Kamal Kumar
Gate Keeper died on 21.02.2019

CAPACITY BUILDING OF THE ZOO PERSONNEL

The zoo personnel are trained from time to time by the zoo veterinarians, consultant's in-house basis. Few members from the various sections of the zoo were also sent to the other zoos for exposure to the good practices being followed by them. In addition to that, the trainings were also conducted during the year for the staff from Telangana Forest Department and from various other zoos.

ZOO ADVISORY COMMITTEE

The Zoo Advisory Committee has been formed with (18) Nos. of committee members vide Prl. Chief Conservator Forests (HoFF) & Chief Wildlife Warden, Telangana State, Hyderabad vide Ref. No. 644/2014/WL-1, dt: 22.06.2017. The Prl. Chief Conservator Forests (WL) & Chief Wildlife Warden is the Chairman and Director Zoo Parks is the Member Secretary. The Second Zoo Advisory meeting held on 04.02.2019 at Nehru Zoological Park, Hyderabad premises



HEALTH ADVISORY COMMITTEE

The Zoo Health Advisory Committee has been formed vide Prl. Chief Conservator Forests (WL) & Chief Wildlife Warden, Telangana, Hyderabad Ref. No. 5577/2014/WL-1, dt: 08.06.2017 to advice the Zoo operators in view of the Animal health care.



STATEMENT OF INCOME AND EXPENDITURE OF THE ZOO

Visitor Services:

The Nehru Zoological Park is open for public from Tuesday to Sunday (6 DAYS) and every Monday is a Zoo holiday. Government has enhanced the tariffs for entry into the Zoo from 1st April, 2018 onwards. The following are the tariffs for entry into the Zoo and also for other facilities.

Timings of the Zoological Park :

April to June: 8.00 AM to 5.30 PMJuly to March: 8.30 AM to 5.00 PM
(Last ticket is issued at 4.30 PM) **Entry Fee and other charges :**

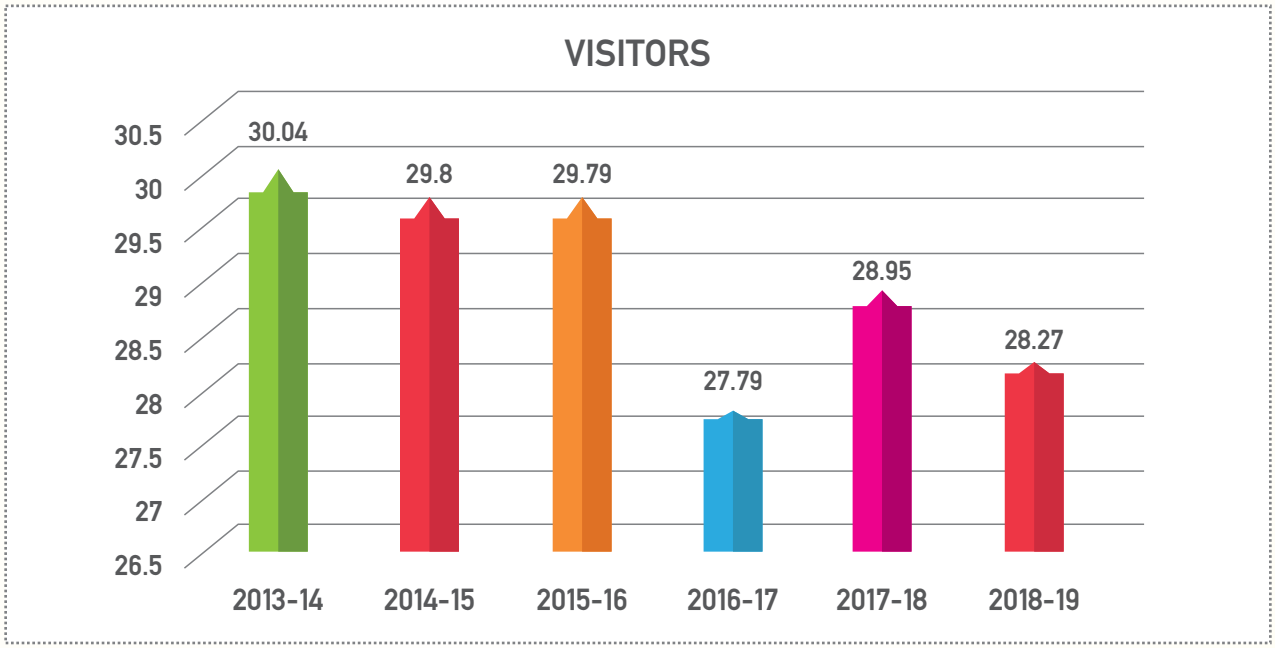
S.No	Item/Particulars	Rate in Rs.
1	**Entry into the Zoo** a) Child upto 10 years b) Adult	 **25.00** **40.00**
2	**Still Cameras** a) Amateur b) Professional	**30.00 (per day)** **500.00**
3	**Video Cameras** a) Amateur b) Professional	**120.00 (per day)** **500.00**
4	**Film Shooting** a) Amateur b) Professional	**8500.00 (per day)** **1500.00 (Generator Fee)**
5	**Train ride** a) Child b) Adult	**10.00** **20.00**
6	**Safari ride** a) Child upto 10 years b) Adult	**30.00** **50.00**
7	**Nocturnal Animal House** a) Child upto 10 years b) Adult	**10.00** **20.00**
8	**Green Ride (Battery Vehicles)** a) Child upto 10 years b) Adult	**40.00** **60.00**
9	**Fossil Museum Ticket for all**	**Rs. 5/- w.e.f 29.07.2018**
10	**Zoo Guest House (Rents during day only)** **For occupation 9.00 AM to 5.30 PM**	**500.00 for family of 5 members**

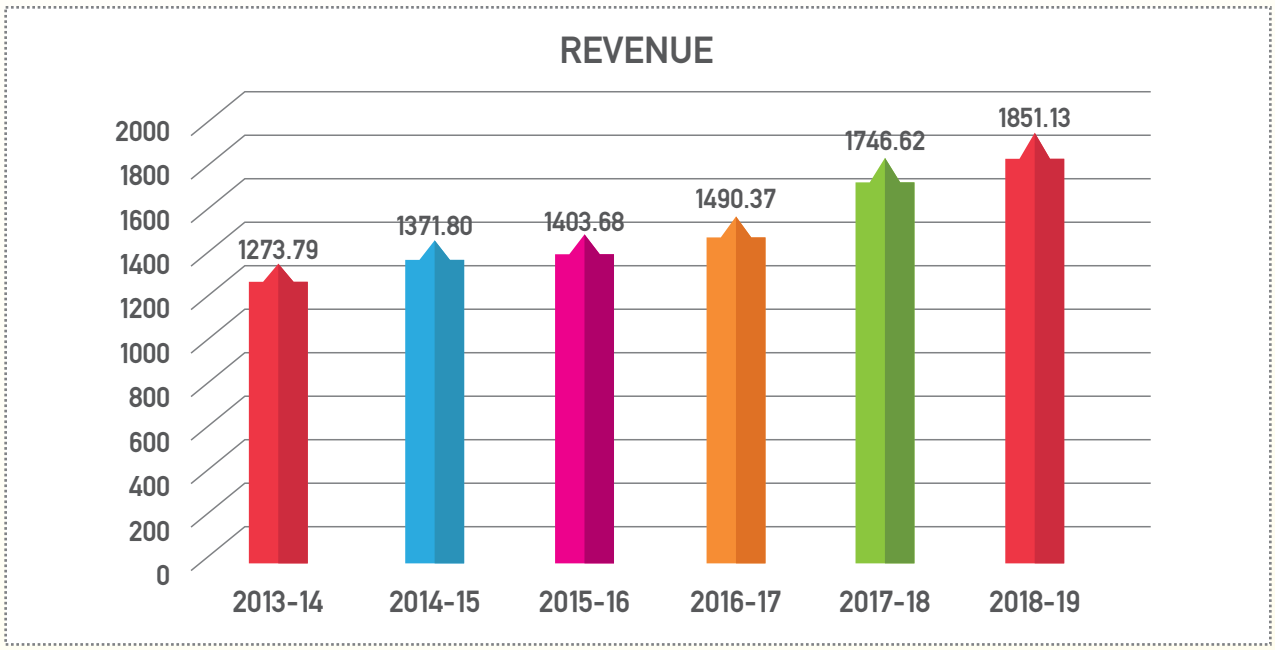
Other Amenities:

1) Canteen, Dairy Parlour and Food Court
2) Purified Water Units (R.O Units)
3) Pagodas, Benches, Sit outs
4) Amrutha Clinic
5) Children Park
6) Wheel Chairs
7) Wash Rooms
8) Baby Feeding Center

ZOO VISITATION AND REVENUE

The Zoo visitation and revenue from 2013-14 to 2018-19 is depicted below.



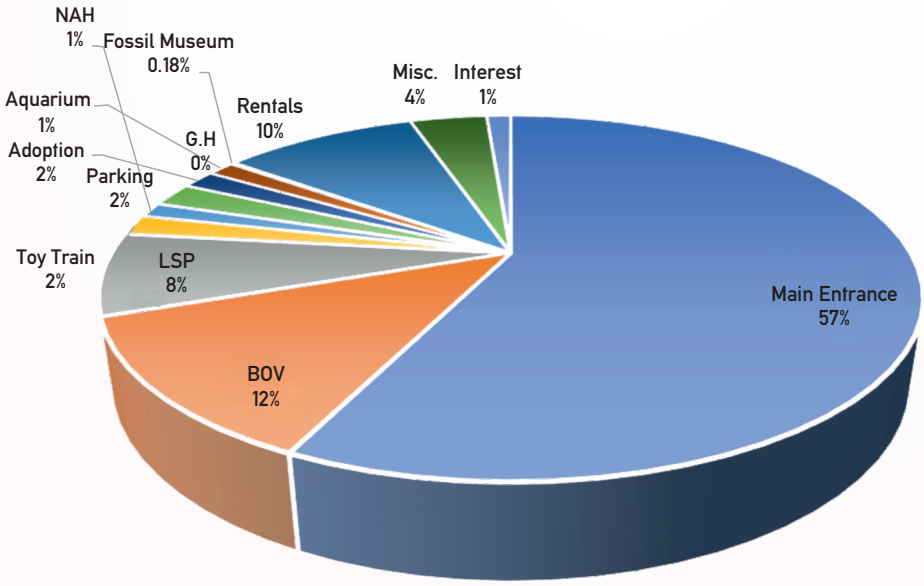




REVENUE REPORT

The Accounts Officer looks after the Accounting, Finance Revenue and payment of Salaries and Allowances and control of Expenditure etc., during the year under report the following are the Revenue and expenditure under the Plan and Non–Plan schemes. The statements of comparative revenue earned and expenditure incurred for the year is furnished below:

The total revenue generated during 2018 – 19 is **Rs. 1851.13 lakhs.** The details of revenue component wise are as follows:



Main Entrance	105652625
BOV	22889740
LSP	13657950
Toy Train	3360130
NAH	2486000
Parking	4006328
Adoption	3082000
Aquarium	2473300
Fossil Museum	326835
G.H	5000
Rentals	17852363
Misc.	7088326
Interest	2232962
TOTAL	185113559

Year	Revenue	Expenditure in Rupees		Total Expenditure In Rupees
		Plan	Non – Plan	
2013-2014	12,73,79,584	1,43,55,825	19,88,74,866	21,32,30,691
2014 - 2015	13,71,80,595	3,50,13,213	16,13,63,378	19,63,76,591
2015-2016	14,03,68,814	54,05,886	23,65,86,769	24,19,92655
2016-2017	14,90,37,384	23,94,062	24,75,46,036	24,99,40,098
2017-2018	17,46,61,961	49,55,080	29,64,86,028	30,14,48,488
2018-2019	185113559	6.00000	33,85,83,935	33,91,83,935

Against the expenditure of Rs. 33,91,83,935/- (Rupees Thirty-three Crores, ninety-one lakhs eighty-three thousand nine hundred and thirty-five only), the total Revenue realized during the year is Rs. 18,51,13,559/- (Rupees Eighteen Crores Fifty-One Lakhs Thirteen Thousand Five Hundred and Fifty-Nine only). The details of expenditure during the year is listed in Annexure – I.

DAILY FEED SCHEDULE OF ANIMALS

Carnivores :

Sl. No.	Name of the species	Feed item	Feed		Day of fasting
			Forenoon	Afternoon	
1	Tigers & Lions	1. Milk	Half Ltr + 2 Raw Eggs for Breeding Males	-	Friday
		2. Chicken	0.5 Kg	-	
		3.Beef without bones	-	6 Kgs	
		4. Beef with Bones	-	1 Kg	
		5.Liver	-	250gms	
		6. Spleen, Kidney, Heart and Tongue	-	250 gms	
		+ Calcium Carbonate + Ostovet + Vimeral and Vitamin-A	-	10 gms + 20ml + 10ml	
2	Panther, Jaguar	1. Milk	Half Ltr	-	Friday
		2. Beef	-	3 Kgs	
		3. Liver	-	125 gms	
		4. Spleen, Kidney, Heart and Tongue	-	25 gms	
		+ Calcium Carbonate + Ostovet + Vimeral and Vitamin-A	-	5 gms + 10ml + 5ml	
3	Himalayan Black Bear	1. Bread	200 gms	200 gms	Friday
		2. Banana	2 Nos	-	
		3. Milk	Half Ltr	Half Ltr	
		4. Boiled Egg	1 No	1 No	
		5. Carrots	250 gms	-	
		6. Sweet Potato	250 gms	-	
		7. Jowar Gatka	-	1 Kgs	
		7. Honey	100gms	-	
		8. Dead Fish	100 gms	-	
		9. Water Melon/Musk Melon	2 Kgs (in Summer Season)	-	
4	Malayan Sun Bear	1. Bread	200 gms	200 gms	Friday
		2. Banana	1 No	-	
		3. Milk	Half Ltr	Half Ltr	
		4. Carrots and Sweet	250 gms	-	
		Potato			
		5. Jowar Gatka	-	1 Kg	
		6. Water Melon/Musk Melon	1 Kg	-	
		7. Sugar Cane	100 gms	-	
		8. Honey	100 gms	-	

5	Sloth Bear	1. Bread	200 gms	200 gms	Friday
		2. Banana	1 Kg Nos	-	
		3. Milk	Half Ltr	Half Ltr	
		4. Tomato	100 gms	-	
		5. Carrots/Sweet Potoato	250 gms	-	
		6. Sweet Lime	1 No	-	
		7. Water Melon/Musk Melon	1 Kg (in Summer Season)	-	
		8. Honey	100 gms	-	
		9. Sugar Cane	100 gms	-	
		10. Guava	100 gms	-	
6	Striped Hyaena	1. Beef	-	2 Kgs	Friday
		2. Goat Head and Legs	Weekly twice	-	
		3. Beef Liver	-	50 gms	
		+ Cal. Carbonate + Ostovet + Vimeral and Vitamin-A	-	5gms+5ml+5ml	
7	Indian Wolf	1. Beef	-	1.5 Kgs	Friday
		2. Beef Liver	-	50 gms	
		+ Cal. Carbonate + Ostovet + Vimeral and Vitamin - A		5gms+5ml+5ml	
8	Jackal	1. Beef	-	1 Kg	Friday
		2. Beef Liver	-	25 gms	
		+ Calcium Carbonate + Ostovet + Vimeral and Vitamin-A	-	5gms+5ml+5ml	
9	Smooth Coated Indian Otter	1. Live Fish	1.5 Kgs	-	Friday
		2. Boiled Egg	6 Nos (Whenever fish is not available)	-	
		3. Fish	-	250 gms	
10	Civets	1. Beef without Bones	-	250 gms	Friday
		2. Bread	5 Slices	-	
		3. Milk	200ml	-	
		4. Boiled Egg	½	-	
		4. Day old Chick	1 No	-	
11	Ratel	1. Fruits	100gms	-	
		2. Vegetables	50 gms	-	
		3. Chicken	2 Leg Pieces	-	
		4. Beef chopped	-	250 gms	

12	Leopard Cat, Jungle Cat, Fishing Cat.	1. Beef chopped	-	250 gms	Friday
		2. Day old Chick	1 No	-	
		3. Country Bird	1 No (Twice in a week)	-	
		+ Cal. Carbonate + Ostovet + Vimeral and Vitamin-A	-	5gms + 5ml + 2.5ml	
13	Cheetah	1. Boneless Beef	-	1 Kg	Friday
		2. Broiler Chicken	1 Kg	1 Kg	
		3. Dressed Rabbit	1 No	1 No	
			(Whenever required)		

Note:- In Winter 20% increased and in Summer 20% decreased to the Carnivores

Herbivores:

Sl. No.	Name of the species	Feed item	Feed	
			Forenoon	Afternoon
1	Giraffe	1. Apple	3.5 Kgs	-
		2. Carrots	2 Kgs	-
		3. Lucerne	5 Kgs	-
		4. Dry Grass	-	Adlib
		5. Babul	Adlib	-
		6. Banana	5 Kgs	-
		7. Green Grass	Adlib	-
		8. Peepal	20 Kgs	20 Kgs
		9. Palak	1 Kg	-
		10. Tomato	0.5 Kg	-
		11. Cabbage	1 Kgs	1 Kg
		12. Sweet Potato	1 Kgs	1 Kg
		13. Cucumber	2 Kgs	2 Kgs
		14. Chana	1 Kg	-
		15. Jaggery	1 Kg	-
		16. Onions	1 Kg	1 Kg
		17. Potato	1.5 Kgs	-
		18. Giraffe Mixture	5 Kgs	-
		19. Neem Leaves	5 Kgs	-
		20. Mineral Mixture	100 gms	-
2	Indian Gaur	1. Cattle Feed	2 Kgs	2 Kgs
		2. Lucerne	5 Kgs	5 Kgs
		3. Green Kadvi/Dry Kadvi	10 Kgs	5 Kgs
		4. Green Grass	Adlib	-
		5. Jowar Gatka	-	1 Kg

		6. Kutty	-	1 Kg
		7. Peepal Leaves	5 Kgs	-
		8. Neem Leaves	2 Kgs	-
		9. Mineral Mixture	50 gms	-
		10. Jagery	150 gms	-
3	Black Buck, Chousingha	1. Cattle Feed	250 gms	-
		2. Lucerne	1 Kg	-
		3. Dry Grass	Adlib	-
		4. Peepal Leaves	2 Kgs	-
		5. Green Grass	Adlib	Adlib
		6. Carrot/Sweet Potato/ Cucumber/Tomato	1 Kg	-
		7. Jaggery	100 gms	-
		8. Chana	100 gms	-
		9. Green Gram	50 gms	-
		10 Horse Gram	100 gms	-
		11. Wheat Bran	1/2 Kgs	-
		12. Beans/Lady Finger	100 gms	100 gms
		13. Oats	50 gms	-
		14. Mineral Mixture	25 gms	-
4	Sambar, Nilgai	1. Cattle Feed	1 Kg	-
		2. Lucerne	3 Kgs	-
		3. Dry Grass	Adlib	-
		4. Peepal Leaves	2 Kgs	-
		5. Green Grass	Adlib	Adlib
		6. Carrot/Sweet Potato/ Cucumber/Tomato	2 Kgs	-
		7. Jaggery	150 gms	-
		8. Chana	100 gms	-
		9. Green Gram	100 gms	-
		10 Horse Gram	100 gms	-
		11. Wheat Bran	1/2 Kgs	-
		12. Beans/Lady Finger	100 gms	100 gms
		13. Oats	100 gms	-
		14. Mineral Mixture	25 gms	-
		15. Banana	100 gms	-
		16. Cabbage	100 gms	-
		17. Ground Nut Cake	200 gms	-
		18. Green Grass	Adlib	-

5	Cheetal, Hog Deer, Swamp Deer	1. Cattle Feed	0.5 Kg	-
		2. Lucerne	2 Kgs	-
		3. Dry Grass	Adlib	-
		4. Peepal Leaves	2 Kgs	-
		5. Green Grass	Adlib	Adlib
		6. Carrot/Sweet Potato/ Cucumber/Tomato	2 Kgs	-
		7. Jaggery	100 gms	-
		8. Chana	100 gms	-
		9. Green Gram	100 gms	-
		10 Horse Gram	100 gms	-
		11. Wheat Bran	1/2 Kgs	-
		12. Beans/Lady Finger	100 gms	100 gms
		13. Oats	100 gms	-
		14. Mineral Mixture	25 gms	-
		15. Banana	100 gms	-
		16. Cabbage	100 gms	-
		17. Ground Nut Cake	100 gms	
		18. Green Grass	Adlib	-
		19. Mineral Mixture	25 gms	-
6	Mouse Deer	1. Sweet Potato	100 gms	-
		2. Potato	100 gms	-
		3. Chana	50 gms	-
		4. Peepal Tender Leaves	100 gms	-
		5. Lucerne	100 gms	-
		6. Bengal Gram	50 gms	-
		7. Banana	50 gms	-
		8. Horse Gram	50 gms	-
		9. Beans/Lady Finger	50 gms	-
		10. Carrot	50 gms	-
		11. Green Grass	Adlib	Adlib
		12. Mineral Mixture	5 gms	-
		13. Bers	20 gms (Seasonal)	-
		14. Akalifa Leaves	Adlib	Adlib
7	Thamin Deer	1. Cattle Feed	1 Kg	-
		2. Lucerne	2 Kgs	-
		3. Kadvi/Hay	Adlib	Adlib

		4. Peepal Leaves	2 Kgs	-
		5. Thamin Deer Mixture	0.5 Kg	-
		6. Carrot/Sweet Potato/ Cabbage	1 Kg	-
		7. Horse Gram/Bengal Gram/Green Gram/Oats	0.5 Kg	-
		8. Jaggery	100 gms	-
		9. Wheat Bran	100 gms	-
		10. Green Grass	Adlib	Adlib
		11. Mineral Mixture	10 gms	-
8	Elephant	1. Cooked Rice	-	5 Kgs
		2. Cooked Ragishaw	3 Kgs	2 Kgs
		3. Thunga	100 Kgs	-
		4. Lucerne	10 Kgs	-
		5. Kadvi	-	50 Kgs
		6. Hay	-	50 Kgs
		7. Bud steam & Leaves	20 Kgs	-
		8. Jaggery	2 Kgs	-
		9. Ground Nut Oil	1 Kg	-
		10. Green Grass	250Kgs	-
		11. Nepier Grass	50 Kgs	-
		12. Sugar Cane	10 Kgs	-
		13. Banana Trees	5 Kgs	-
		14. Coconut	1	-
		15. Peepal Leaves	20 Kgs	-
		16. Banana	1 Kg	-
		17. Peepal Stems/Bark	10 Kgs	-
		18. Mineral Mixture	50 gms	-
		19. Salt	200 gms	-
9	Hippopotamus	1. Cattle Feed	3 Kgs	-
		2. Potato + S. Potato	1 Kg	-
		3. Carrots	1 Kg	-
		4. Cabbage	250 gms	-
		5. Lucerne	10 Kgs	-
		6. Hay	-	25 Kgs
		7. Kutty	250 gms	-

		8. Banana	2 Kgs	-
		9. Jaggery	0.5 Kgs	-
		10. Mineral Mixture	50 gms	-
		11. Green Grass	Adlib	Adlib
10	Rhinoceros	1. Cattle Feed	3 Kgs	-
		2. Potato + S. Potato	1 Kg	-
		3. Carrots	1 Kg	-
		4. Cabbage	250 gms	-
		5. Lucerne	10 Kgs	-
		6. Hay	-	25 Kgs
		7. Kutty	250 gms	-
		8. Banana	2 Kgs	-
		9. Jaggery	0.5 Kgs	-
		10. Mineral Mixture	50 gms	-
		11. Green Grass	Adlib	Adlib
		12. Peepal Leaves	10 gms	-
		13. Sugar Cane	2 Kgs	-
		14. Wheat Bran	1 Kg	-
11	Porcupine	1. Chana	100 gms	-
		2. Potato	100 gms	-
		3. Carrots	50 gms	-
		4. Banana	1 No	-
		5. Mineral Mixture	10 gms	-
12	Wild Boar	1. Ground Nut Cake	0.5 Kg	-
		2. S. Potato/Carrots	Half Kg	-
		3. Sugar Cane	1 Kg	-
		4. Lucerne	-	1 Kg
		5. Potato	0.5 Kg	-
		6. Mineral Mixture	20 gms	-
13	Rabbits	1. Chana	50 gms	-
		2. Lucerne	100 gms	-
		3. Green Grass	Adlib	Adlib
		4. Carrot	50 gms	-
		5. Mineral Mixture	2 gms	-
		6. Palak	25 gms	

14	Guinea Pigs	1. Chana	50 gms	-
		2. Lucerne	100 gms	-
		3. Tomato	50 gms	-
		4. Guava	50 gms	-
		5. Mineral Mixture	5 gms	
		6. Palak	25 gms	-



Primates

Sl. No.	Name of the species	Feed item	Feed	
			Forenoon	Afternoon
1	Chimpanzee	1. Milk	Half Ltr	Half Ltr
		2. Boiled Egg	1 No	-
		3. Bread	200 gms	200 gms
		4. Banana	8 Nos	8 Nos
		5. Apple	2 Nos	2 Nos
		6. Sweet Lime	1 No	1 No
		7. Grapes	150 gms	100 gms
		8. Carrots	150 gms	100 gms
		9. Cabbage	100 gms	-
		10. Tomato	100 gms	-
		11. Cucumber	250 gms	250 gms
		12. Water Coconut	1 No	-
		13. Menthol/Curry Leaf / Coriander	600 gms	-
		14. Guava	250 gms	-
		15. Sweet Potato	100 gms	-
		16. Kala Jamun / Ber / Sapota/Pomegranate/ Water Melon/Musk Melon / Maize Corn/Mango	1 Kg (Seasonal only)	-

		17. Ground Nuts	100 gms	-
		18. Chana	50 gms	-
		19. Papaya/Pine Apple Juice	Half Ltr	Half Ltr
		20. Honey/Jam	50 gms	-
		21. Complan	50 gms	-
2	All Baboons	1. Egg	Half Nos	Half Nos
		2. Banana	2 Nos	2 Nos
		3. Apple	Half Nos	Half Nos
		4. Sweet Lime	1 No.	-
		5. Grapes	50 gms	-
		6. Carrots	50 gms	-
		7. Cabbage	25 gms	-
		8. Palak	50 gms	-
		9. Bengal Gram	100 gms	-
		10. Bread	-	3 Slices
		11. Pine Apple	50 gms	-
		12. Papaya	50 gms	-
		13. Tomato	50 gms	-
		14. Cucumber	50 gms	-
		15. Guava	100 gms	-
		16. Kala Jamun/Ber/Sapota/ Pomegranate/ Water Melon / Musk Melon/Maize Corn / Mango	1 Kg (Seasonal only)	-
		17. Milk	-	250 ml
3	Rhesus Macaque, Bonnet Macaque, Lion Tailed Macaque, Pig Tailed Macaque, Nilgiri Langur, Common Langur, Green African Monkey, Red Patas Monkey.	1. Bengal Gram	75 gms	-
		2. Apple	Half Nos	Half Nos
		3. Banana	2 Nos	2 Nos
		4. Carrots	50 gms	-
		5. Cabbage	25 gms	-
		6. Sweet Lime	1 No	-
		7. Palak	50 gms	-
		8. Bread	-	50 gms
		9. Papaya	50 gms	-
		10. Pine Apple	50 gms	-
		11. Tomato	50 gms	-
		12. Cucumber	50 gms	-
		13. Guava	100 gms	-
		16. Kala Jamun/Ber/Sapota / Pomegranate/Water Melon /Musk Melon/Maize Corn / Mango	1 Kg (Seasonal only)	-

4	Squirrel Monkey	1. Boiled Egg	½	-
		2. Banana	1 No	1 No
		3. Chana	20 gms	-
		4. Grapes	100 gms	-
		5. Apple	½	-
		6. Grass Hoppers	5 Nos	-
		7. Cerelac	25 gms	-
5	Slender Loris, Slow Loris	1. Apple	50 gms	-
		2. Banana	50 gms	-
		3. Sweet Potato	2 Nos	-
		4. Carrots	4 Nos	-
		5. Grapes	5 Nos	-
		6. Oranges	1/8 Piece	-
		7. Bread	2 Slices	-
		8. Boiled Egg	1 No	-
		9. Milk	100 ml	-
		10. Chopped Beef	25 gms	-
6	Common Marmoset, Golden Handed Tamarin Monkey.	1. Boiled Egg	½	-
		2. Apple	50 gms	-
		3. Banana	50 gms	-
		4. Grapes	50 gms	-
		5. Pine Apple	50 gms	-
		6. Cerelac	25 gms	-
		7. Grass Hoppers	5 Nos	-
		8. Acroat/Badam	Each one	-

Birds

Sl. No.	Name of the species	Feed item	Feed	
			Forenoon	Afternoon
1	Ostrich	1. Banana	2 Nos	2 Nos
		2. Bread	150 gms	100 gms
		3. Cabbage	50 gms	-
		4. Palak	400 gms	-
		5. Chana	-	100 gms
		6. P.L. Mixture	500 gms	500 gms
		7. Menthol/Curry Leaves/ Coriander Leaves mixture	350 gms	-
		8. Boiled Eggs	1 No	1No.
		9. Shell Grit	50 gms	-
		10. Cucumber	500gms	500gms

2	Rhea and Emu	1. Banana	1 Nos	1 Nos
		2. Bread	100 gms	50 gms
		3. Cabbage	250 gms	-
		4. Palak	300 gms	-
		5. Chana	-	100 gms
		6. Emu Mixture	-	500 gms
		7. Menthol/Curry Leaves/ Coriander Leaves mixture	200 gms	-
		8. Boiled Eggs	1 No	1No.
		9. Shell Grit	50 gms	-
3	Pheasants & Peacocks	1. Poultry feed	150 gms	-
		2. Green Leaves / Palak / Lucerne	100 gms	-
		3. Meal Worms	100 gms	-
		4. Complan (Peacock Only)	20 gms	-
		5. Honey (Peacock Only)	10 ml	-
		6. Sun Flower Seed	50 ml	-
		7. Jawar/Bajra	50 gms	-
		8. Shell Grit	10 gms	-
		9. Chana	20 gms	-
		10 Sunflower seed	10 gms	-
		11. Sunflower Seed	10 gms	-
		12. Ground Nuts	10 gms	-
4	Grey Jungle Fowl, Red Spur Fowl, Painted Spur Fowl.	1. Poultry feed	50 gms	-
		2. Palak/Lucerne	50 gms	-
		3. Meal worms	25 gms	-
		4. Shell Grit	10 gms	-
		5. Ground Nuts	10 gms	-
5	Sarus Crane, Demoiselle Crane.	1. Crane mixture	500 gms	-
		Jawar 40%		
		Dhan (Paddy) 40%		
		Chana 20%		
6	Budgerigar, Finches	1. Rala	15 gms	-
		2. Jawar/Bajra	10 gms	-
		3. Sunflower Seed	10 gms	-
7	Quails, Partridges	1. Palak	Few leaves	-
		2. Rala	10 gms	-
		3. Sunflower Seed	10 gms	-

		4. Sunflower Seed	10 gms	-
8	Love Birds, Cockatiel	1. Sunflower Seeds	10 gms	-
		2. Sunflower	5 gms	-
		3. Rala	10 gms	-
		4. Green Leaves (Palak/Lucerne)	Adlib	-
9	Horn Bill (Great & Pied)	1. Fruit Mixture	150 gms	-
		2. Minced Meat	-	50 gms
		3. Complan	100gms	-
		4. Honey	100 gms	-
		5. D.P. Chana	50 gms	-
10	Swans	1. Duck Mixture	500 gms	-
		Wheat 35%		
		Maize 30%		
		Wheat Brawn 5%		
		Fish meal 10%		
		Mineral Mixture 3%		
		Dhan (Paddy) 10%		
		Sunflower 7%		
		2. Green Leaves (Palak/Lucerne)	Adlib	-
11	Pelicans	1. Dead Fish	500 gms	-
12	Ducks	1. Duck Mixture	150 gms	-
13	All Storks, Ibis,	1. Dead Fish/Fish Finger Lings	300 gms	-
	Spoonbill, Herons	2. Bread (Spoon bill)	50 gms	-
14	King Fisher	1. Minced Meat	100 gms	-
15	Flamingos	1. Flamingo mixture	300 gms	-
		Bajra 20%		
		Rala 20%		
		Shrimp meal 10%		
16	Macaws, Cockatoos, Parrots	1. Fruits Mixture	100 gms	100 gms
		Bananas, Apples, S.Lime,		
		Grapes, Guava, Chana,		
		Dhan.		
		2. Acroat/Badam	2 Nos	-
		3. Sunflower Seed	50 gms	-
		4. Red Chilli	10 gms	-

17	Eagles, Kites, Owls, and Other birds of prey	1. Minced meat	-	500 gms
		2. Day old chick (Each one)	1 No.	-
		3. Stomach, Intestine and offals	Twice in a week (Adlib)	-
18	Vulture	1. Goat meat	-	2 Kgs (Weekly twice)
19	Bats (Flying Fox)	1. Banana	1 No.	-
		2. Apple	½	½
		3. Guava	½	½
		4. Sweet Potato	½	½
		5. Grapes	20 gms	20 gms
		6. Pine Apple	1 Slice	1 Slices

Reptiles

Sl. No.	Name of the species	Feed item	Feed	
			Forenoon	Afternoon
1	Crocodiles			
	a) Muggers	1. Beef pieces daily	500 gms	-
	b) Gharial	2. Dead Fish	500 gms	-
	c) Salt water	3. Live Fish	500 gms	-
		4. Live Fish	500 gms	-
		5. Dead Fish	500 gms	-
		6. Beef	500 gms	-
2	Python	1. Live Chicken (Pullet or Rabbit or Guinea pigs)	once in a week (about 400-500 gms)	
3	King Cobra	One live snake - Rat Snake	Once in a week	
4	Snakes	Rats, Frogs, etc.,		
5	Giant Tortoise	1. Chana (Bengal gram soaked)	100 gms	-
		2. Carrot	50 gms	-
		3. Potato	50 gms	-
		4. S. Potato	50 gms	-
		5. Lucerne	1 Kg	-
		6. Palak	250 gms	-
		7. Cabbage	100 gms	-
		8. Tender Peepal	100 gms	-

6	Star Tortoise	1. Chana	10 gms	-
		2. Lucerne	50 gms	-
		3. Meal worms	50 gms	-
7	Monitor Lizard	1. Boiled Egg	1 No.	-
		2. Minced Meat	200 gms	-
		3. Day old chicks	1 No.	-
8	Green Iguana	1. Palak	100 gms	-
		2. Cabbage	100 gms	-
		3. Boiled Egg	1/2 Nos	-
		4. Banana	1 No.	-
		5. Apple	100 gms	-
		6. Papaya	100 gms	-
		7. Lucerne	50 gms	-
9	Snakes	1. White Mice/Frogs/ Garden Lizards	Adlib	-
10	Russel Viper	1. Day old chicks	1 No.	-

VITAMINS, MINERALS IN FEED SUPPLEMENTS

I. CARNIVORES

1. Calcium Carbonate - 10 gms for each animal + Calcium liquid 10ml
2. Multi vitamin syrup each 10 - 20 ml

II. HERBIVORES

1. Mineral mixture 10-20 gms/day in the cattle feed
2. B-Complex syrup 5-10ml in the water weekly thrice only
3. Romen tonic powders 10-20 gms along with feed.

III. PRIMATES

1. Multivitamin capsules 1 No.

IV. BIRDS

1. B-Complex liquid 5-10ml/one liter of water.

V. SUMMER MEDICINES

1. Glucon - D daily in the water
2. Stresswel liquid daily in the water for birds.
3. Thermocare powder daily in the water for all animals.
4. Groviplex powder daily in the water for all animals and birds.

VACCINATION SCHEDULE OF ANIMALS

Sl. No	Date & Month	Activity	Species	In-charge officer	Remarks
1	21st March	Feline Distemper	To all Felines 21st to 26th March	Asst. Director (Vet.) & Vety. Asst. Surgeon	5 Nos conducted at SH due to unavailability of vaccine post phoned to April 1st week.
2	21st March	Canine Distemper (CDV) CANVAC 8 DHPPil (7 in 1 vaccine) for Canids	All Canines 21st to 22nd March	Asst. Director (Vet.) & Vety. Asst. Surgeon	On 21st March, Two wolfs, Four Hyaenas and Four Jackals conducted and Five Jackals left at Tiger Moat due to unavailability of night house. Advice the Park Supervisor to capture for vaccination.
3	10th To 14th June, & 15th to 19th Dec	Anti-tripanosomial (Triquin)	All Carnivores	Asst. Director (Vet.) & Vety. Asst. Surgeon	One day SH, One day LM, One day TM, One day LSP and TSP, One day for LaCONES.
4	20th & 21st, June, & 21st & 22nd, Dec	Enterotoxaemia (E.T)	Gaur, Barking Deer	Asst. Director (Vet.) & Vety. Asst. Surgeon	These species become endemic to ET.
5	15th to 17th Apl & 15th to 17th Oct	Pasturellosis (HS)	Mega Herbivores Elephants, Bison, Thamin Deer, Barasingha.	Asst. Director (Vet.) & Vety. Asst. Surgeon	Small Herbivores (Black Buck, Chousingha, Nilgai, Sambar and White Buck) do not have proper holding facility for safe conduct of vaccination.
6	20th to 22nd Oct & 20th to 22nd Feb	Foot & Mouth Disease	Large Mega Herbivores (Elephant, Bison, Giraffe and Thamin Deer)	Asst. Director (Vet.) & Vety. Asst. Surgeon	Small Herbivores (Black Buck, Chousingha, Nilgai, Sambar and White Buck) do not have proper holding facility for safe conduct of vaccination.

DE-WORMING SCHEDULE OF ANIMALS

Sl. No	Date & Month	Species
1	13th, January	Birds & Reptiles
2	14th, February	Carnivores
3	11th, March	Herbivores & Primates
4	12th, April	Reptiles & Birds
5	12th, May	Carnivores
6	11th, June	Herbivores & Primates
7	12th, July	Reptiles & Birds
8	12th, August	Carnivores
9	11th, September	Herbivores & Primates
10	12th, October	Reptiles & Birds
11	12th, November	Carnivores
12	11th, December	Herbivores & Primates

DISINFECTION SCHEDULE

Sl. No	Name of the Activity	Proposed date to be conducted	Persons involved in activity	In-charge officer
1	Sanitation of night houses with Asiphor and Khursolin 2% solution. Phenyl foot bath should arrange in front of all-night houses specified by the aluminum tray and with sponge.	Everyday	Animal Section (Keepers supervised by Head Animal Keeper and PS)	Asst. Curator–I & Dy. Range Officer
2	Super Bleaching of all Wet moats	For every 15 days (10th and 25th of every month)	Under the supervision of PS and One Jr. Vety. Officer from Vety. Section.	Asst. Curator – I and Dy. Range Officer & Asst. Director (Vet.).
3	White wash to all night houses	For every three months (January 10th to 12th), (April 12th to 15th), July 12th to 15th) and October (12th to 15th).	Animal Section, Workshop.	Asst. Curator–I & Dy. Range Officer.
4	Slake lime pasting to all water troughs and water feeders	For every three months (January 10th to 12th), (April 12th to 15th), July 12th to 15th) and October (12th to 15th).	Animal Section, Workshop.	Asst. Curator–I & Dy. Range Officer.

5	Sprinkling of lime and bleaching in the kraals and cages and on foot paths (3:1)	For every three months seasonal activity (20th to 26th) of January, April, June, September of the year.	Animal Section/ Outsource employees	Asst. Curator–I & Deputy Range Officer.
6	Burning of enclosure during winter season for pest control	Every month 5th and 6th October to January	Animal Section/ Vety. Keepers.	Asst. Curator – I, Dy Range Officer & Jr. Vety. Officer
7	Butax spray 2% to all Herbivores kraal to prevent ticks, mites, flees whenever required	Every month 5th and 6th October to January	Veterinary wing.	Jr. Vety. Officer's under the supervision of Vety. Asst. Surgeon

HEALTH CHECK -UP OF EMPLOYEES FOR ZOONOTIC DISEASES

Sl. No	Name	Designation	Date of Health Check up	Findings of Health Check up
1	Md. Khairuddin	Driver (OS)	15.03.2018	Intestinal carcinoma.
2	E. Eshwar	Animal Keeper	15.03.2018	Asthma.
3	K. Kishore Kumar	Watchman	15.03.2018	Cirrhosis of liver
4	K. Mohan	Park Supervisor	15.03.2018	Skin infection on legs.
5	R. Papaiah	Animal Keeper	15.03.2018	Skin infection on legs and hand

Note: All Zoo staff examined for Zoonotic diseases but nobody was found positive for any kind of zoonotic disease in the captivity and some of the staff is suffering with Diabetics, Hypertension and Cholesterol.



DEVELOPING WORKS CARRIED OUT IN THE ZOO DURING THE YEAR



Baby Care Centre



Sri Jogu Ramanna Honb'le Minister for EFS & T, TS. Inaugurating Cubs rearing Centre



Big Cats Enclosure



A Weir & Singoji Pond



Train Booking Counter



Toilet Block

EDUCATION AND AWARENESS PROGRAMMES DURING THE YEAR

A. One day Training Programme on Tranquilizing and Capturing of Free Ranging wild animals and maintenance of Dart Gun at Nehru Zoological Park, Hyderabad.

B. Telangana State Forest Department organized fourth round of training for frontline staff of the cadre FBO/FSO/FRO/Veterinary wing from all districts /divisions on the subject of wild animal capture techniques and chemical immobilization. This training is useful for dealing with wild animals like Panther, Sloth bear, Tiger coming out of forest into farm lands and habitations. This training was conducted in coordination with an NGO named Wildlife Tranquil Force. Nawab Shafath Ali Khan , Secretary and Dr. M. Navin Kumar, Senior Veterinarian and Wildlife expert of this organization also attended. Apart from class room session, hands on experience in views of tranquilizing equipment were given to each participant. A live demonstration was also conducted in tranquilizing a free ranging deer in the Zoo.

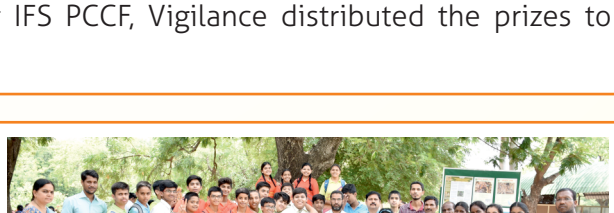


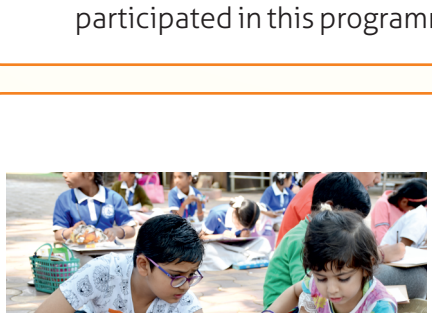




C. World Earth Day was celebrated on 22.04.2018 with an objective of increasing awareness about and protecting the natural resources that the earth is bestowed. On this occasion Drawing and Essay writing competitions were conducted in the zoo with the visiting children about 120 students participated in the competition from various schools and individuals. Sri. Raghuveer IFS PCCF, Vigilance distributed the prizes to winners.

D. World Environment Day celebrated on 05.06.2018. On this occasion Talk shows on various animals has been conducted, Drawing and Essay writing competition had been conducted. About 150 students participated in this programme.





E. International day for Biological Diversity celebrated on 22.06.2018 at Nehru Zoological Park, Hyderabad with an objective of increasing awareness about and protecting the Biodiversity. The theme was chosen to mark the 25th anniversary of the entry into force of the Convention on Biological Diversity and to highlight progress made in the achievement of its objectives at the national and global levels. To Promote the importance of Biodiversity Day and education in children and adults drawing and essay writing competitions were conducted to the children, about 80 children participants who were among the visitors participated in the competitions. Later prizes were distributed to the winners.





F. International Tiger Day was celebrated at Nehru Zoological Park, Hyderabad in collaboration with Hyderabad Tiger Conservation Society (Hyticos) and Wildlife Conservation Society (WCS) . on 28.07.2018 and 29.07.2018. On this occasion over 1080 students from 27 different schools participated in the educative programmes like Animal Bingo, Conducting Animal Survey and Matching Tiger Stripes etc. There was poster presentation which Covered various topics like why tiger, tiger ecology, studying tigers, counting tiger prey and volunteering opportunity, talks focused on creating awareness among youngsters and citizens on the significance of conserving tigers.

G. 64th Vanya Prani Saptah celebrated at Nehru Zoological Park, Hyderabad on this occasion various educational programs like Drawing and Essay writing competitions were conducted to the school children on 26th September were in 23 schools including 21 Government and 2 private schools participated in the competitions. On 2nd October,2018 Swachh Zoo abhiyaan has been organized in the premises were in all the staff members participated in the abhiyaan and tool oath that they will keep the zoo premises clean and tidy from time to time. Sports like Cricket, Kabaddi, Musical chairs (for women), Lemon and Spoon (for women). Chess were organized for all the sections of zoo staff. Wildlife awareness programmes like Animal Talk shows such as Awareness programme on birds, Awareness programme on elephant, Awareness program on Chimpanzee, Awareness program on Big cats (Tiger, Lion, Leopard and Jaguar), Awareness program on crocodile, Awareness programme on snakes. Simultaneously interaction of veterinary team and animal keepers with visitors is being organized from 2nd October to 7th October.









H. As a part of their exposure visit to zoo park 80 IFS trainee officers (2017) batch from Indira Gandhi National Forest Academy, Dehradun visited Nehru Zoological park, Hyderabad. A short film on zoo was screened at the bioscope hall and later they were taken round the zoo and explained about the design of enclosures, night houses and planning and display of various groups of animals. The Zoo veterinarians gave a brief lecture and demonstration on tranquilizing the wild animals.

I. World Wet Lands day celebrated at Nehru Zoological Park, Hyderabad to promote the importance of Wetlands and Education in children special educational programmes has been organized in which a special documentary and presentation has been screened and a field trip to the wetlands was also organized for the children. About 150 students participated in this programme.



J. International Hippopotamus Day was celebrated on 15.02.2019. On this occasion Talk shows on Hippopotamus was conducted at the Hippopotamus enclosure. About 6 schools and 150 students participated in the programme .

K. World Wildlife Day celebrated on 03.03.2019 to promote the importance of aquatic eco-systems and their contribution in maintaining ecological balance based on the theme "Life Below Water for People and Planet". On this occasion Talk shows and quiz was conducted.



L. Workshop on Specialized Theme Based Training Programme for Zoo keepers on regional basis was conducted from 18.03.2019 to 22.03.2019. Sri. Munindra, IFS, Adl. PCCF (Wildlife), T.S. Inaugurated the workshop by lighting the lamp. 19 Nos of Zoo keepers from 5 states of southern region (Telangana state, Andhra Pradesh, Tamil Nadu, Karnataka and Kerala) participated in the 5 days' workshop.

M. World Sparrow Day was celebrated on 20.03.2019. with an objective of increasing awareness about the protecting the sparrows. In this connection about 50 Nos of sparrow's eco-friendly nest boxes were prepared with cardboard and installed in the entire zoo premises. A special film on the Sparrows was also screened in the bioscope hall depicting the extinction of house Sparrows from our neighborhood.





N. International Forestry Day was celebrated on 21.03.2019 On this occasion Smt. N. Kshitija, IFS, Curator, Nehru Zoological Park, Hyderabad and the entire staff of zoo participated in the tree planting programme. The tree planting with shade trees and fruit bearing trees was taken in various locations in Zoo Park, to commemorate the occasion.

IMPORTANT EVENTS AND HAPPENINGS IN THE ZOO

a. 126th Birth anniversary of Dr. B.R. Ambedkar was celebrated on 14.04.2018.

b. The Nehru Zoological Park, Hyderabad, celebrated 4th anniversary of Telangana Formation day.

C. Dr.Harsh Vardhan , The Hon'ble Minister for Science and Technology, Earth Science, Environment, Forest and Climate change , Government of India, visited Nehru Zoological Park, Hyderabad . Flagged off transportation vehicle carring a botch of 8 Nos's of Mouse Deers from Nehru Zoological Park, Hyderabad to Amrabad Tiger Reserve (ATR), T.S. in the presence of Sri. Jogu Ramanna. The Hon'ble Union Minister and the Hon'ble Minister for EFS&T. T.S. inaugurated the newly constructed Black Swan enclosure and released the birds into the enclosure for the public display and planted trees namely Ficus bengalhensis and Ficus Religiosa at the Black swan enclosure. The Hon'ble Union Minister along with the Minister for EFS&TT.S. Sri. Ajay Misra, IAS, Prl.Secretary,EFS&T,T.S. Sri. P.K.Jha, IFS, Prl. Chief Conservator of Forests, (HoFF), Sri. Munundra, IFS, Addl Prl. Chief Conservator of Forests,Smt. R.Shoba, IFS, Addl Prl Chief Conservator of Forests , Dr.Sidhanand Kukrety, IFS, Director of Zoo Parks and Ms.Shivani Dogra, IFS, Curator, Nehru Zoological Park, Hyderabad visited Nehru Zoological Park, Hyderabad on 12.08.2018







D. Forest Martyr's Day was celebrated on 11th Sept., 2018 in front of the main gate of zoo park were the Martyr's pylon is located the Hon'ble Minister from EFS&T, T.S., Sri. Jogu Ramanna took the salute from the shoak parade commander, Sri Ajay Misra, I.A.S., Spl. Chief Secretary to Govt., EFS&T, T.S., Sri. P.K. Jha, I.F.S., PCCF (HoFF), & (FAC) Chief Wildlife Warden, Sri Munindra, I.F.S., Addl. Prl. C.C.F (Admn & Wildlife), Dr. Sidhanand Kukretty, Director Zoo park and other forest officials paid respects to the Martyr's.





E. Swachh Zoo programme was conducted on 13.12.2018 in collaboration in coordination with the Institute of Hotel Management, Vidya Nagar, Hyderabad. About 57 students participated in the programme. A skit was performed on the hazards of using plastics and its articles and paper bags were distributed to the visitors with the slogan "Stop Plastic Use".



F. WILDLIFE WEEK CELEBRATION (from 02.10.2018 to 08.10.2018)

Swach Zoo: Swach zoo was conducted in Nehru Zoological Park, Hyderabad, where in all zoo staff participated in the programme.

I. Zoo Premier Cricket League, Season-2 (4 teams were participated)



1. Royal admin (Curator team)
2. Roaring lions (Asst. Curator – I team) - Winners
3. Green warriors (Asst. Curator – II team) - Runner
4. Zoo cops knight (Asst. Curator – III team)

II. Kabaddi, Chess, Tennikoit, Lemon & Spoon and Musical Chairs competitions conducted.

a. Green Warriors (Asst. Curator – II team) won the kabaddi championship.

b. Sri. M.A. Azeez, Superintendent, player of Roaring lions (Royal Admin (Curator- team) won the 1st prize in chess.

c. Smt. M.N. Malleswari, Royal Admin (Curator – Team) won the 1st prize in Tennikoit.

d. Smt. M.N Malleswari, Royal Admin (Curator- team) & Smt. Sujatha, Roaring Lions (Asst. Curator – I Team) won the 1st prize in lemon & spoon.

e. Smt. A.R. Rani Pushpalatha, Royal Admin (Curator-team) & Smt. Lavanya, Roaring Lions (Asst. Curator – I team) won the 1st prize in Musical Chairs.

III. Enclosures enrichment and maintenance

The best enclosure maintenance "Lion Moat" enclosure won the 1st prize and the runner up was "Reptile House" enclosure.

IV. Medical camp for Zoo Employees was conducted on 05.10.2018.

V. Zoo day celebrations.

I) Sri. P. Raghuveer, I.F.S, Prl. Chief Conservator of Forests (Prod. & IT) and I/c HoFF, Telangana State presided as the chief guest and celebrated 50th Birthday of Toy Train & 80th Birthday of Female Elephant "Rani" on 06.10.2018.

ii) The Newly born baby of Squirrel Monkey & Hyena pup was released into the enclosure for public display by the Chief Guest Sri. P. Raghuveer, I.F.S, Prl. Chief Conservator of Forests (Prod. &IT) and I/c HoFF, Telangana State.

iii) Zoo brochure has been designed especially for the occasion was released by Sri. P. Raghuveer, I.F.S, Prl. Chief Conservator of Forests (Prod. &IT) and I/c, HoFF, Telangana State.







VI. Inaugurations:

i) Sri Jogu Ramanna, Honb'le Minister for EFS & T, T.S. Released a pair of Aldabra Tortoise in to enclosure on 31.07-2018

ii) Sri S.K. Joshi, I.A.S., Chief Secretary, Telangana State inaugurated the newly constructed Booking Counter for Toy Train on 13.11.2018.

iii) Flagged off (5) Nos. Battery Operated Vehicles (10-seater & 14-seater) on 13.11.2018.

iv) Flagged off Newly procured (20) seater Air-Conditioned Van for Safari Ride on 13.11.2018.






ADOPTION RATES OF NEH
CAL PARK



SEASONAL SPECIAL ARRANGEMENTS FOR UPKEEP OF ANIMALS

I) Summer Arrangements in the Captive Wild Animals and Birds at Nehru Zoological Park, Hyderabad, Telangana State

1. Summer arrangements and precautionary measures to avoid summer stroke and summer stress to the Zoo Wild Animals, Birds and Reptiles as follows in the interest of wild animal's health care and protection from summer season.
2. Arrangement of sprinklers and small rain guns in all enclosures
3. Arrangement of Air Condition to the Jaguar Cubs present in the Zoo Hospital.
4. Arrangement of Foggers in the Reptile House, Macaws, D. Bed and all Pheasantry and Aviary area in the Zoo Park.
5. Arrangement of all Bird Cages covered with Thunga.
6. Providing shade net to the Duck Pond, Stork Pond area.
7. Arrangement of Coolers in Chimpanzee, all monkey area and Carnivore enclosures.
8. Arrangement of Air Condition, Exhaust Fan in the Nocturnal Animal House.
9. Shady Shelters was provided to all Herbivore enclosures.
10. Providing Summer Fruits like Water Milan, Musk Milan and Citrus Variety Fruits was provided to all Apes, Monkeys, Primates, Birds and Bears.
11. Provided ample of protected water to all animal houses time to time to avoid De-hydration.
12. Provided Glucon–D, Electral Powder, Vitamin–C supplements, B-Complex supplements and Thermo Care Liquid in the water to avoid summer stress (Veterinary Section).
13. Kashkash thattis may be provided to all the Animal House enclosures to avoid direct sunlight exposure on the animals.
14. Atleast 3 to 4 times watering was done on the Kashkash thattis and thunga grass to avoid summer heat.
15. Thunga grass may be provided on the top of all animal houses to avoid summer stress.
16. All Animal Keepers, Head Animal Keepers, Park Supervisors may take preventive steps time to time to avoid summer stress to the wild animals, Birds and Reptiles etc.



II) The preventive measures against seasonal diseases during rainy season in the wild animals and birds at Nehru Zoological Park, Hyderabad, Telangana are as follows.

1. Sprinkling of lime and bleaching 3:1 ratio in all kraals and in and around the kraals for five days.
2. Cleaning of all animal night houses with Aciphor liquid or Khursolin liquid 2% solution.
3. Arranging phenyl foot baths at Main Gate, Service gate and all animal house entries.
4. Removal of left-over feed, faecal material and grasses daily basis to avoid contamination.
5. White wash of all-night houses with Kalika Chunna (Natural Lime) once in 3 months.
6. Bleaching of all wet moats once in 15 days. It is suggested to bleach the moat water with Aqua Liquid @ 1ml for 1Ltr water for sanitation of moat water in the interest of wild animals' health care.
7. Draining of water from wet moats and de-silting of all wet moats and fill with fresh water to avoid water contamination.
8. White wash to all water troughs with slating lime atleast once in a month to avoid fungal contamination in the drinking water sources.
9. Supplying of Anti-bacterial powder (Bactrisol and Cosumix) to all Herbivores for 5 to 7 days to prevent infections before monsoon season (Veterinary Section).
10. Supplying of Antibacterial powder (Oxytetracyclin) to all Birds in the water for 5 to 7 days to prevent infections before monsoon season. (Veterinary Section).
11. Vaccination against Trypanosomiasis (Surra) to all Carnivores in the Zoo as preventive measures. (Veterinary Section)
12. De-worming of all Herbivores in the Zoo against Parasitic infection. (Veterinary Section)



III) Winter Arrangements in the Captive Wild Animals and Birds at Nehru Zoological Park, Hyderabad, Telangana State

1. Winter season arrangements during 2018-19 at Nehru Zoological Park, Hyderabad of wild animal health care and to protect from winter season as follows:
2. Arrangement of heaters in all Carnivore and Primate night houses.
3. Protecting all the Carnivore night houses with gunny bags covering to avoid winter waves to protect from pneumonia disease.
4. All the night houses of birds are covered with 50% top level with green cloth to protect from winter waves.
5. All the night houses of birds are provided with nest boxes particularly in the macaws and cockatoos area (50% nest boxes damaged in macaws and cockatoo's area).

6. Small monkeys like Squirrel Monkey and Golden Handed Tamarin Monkey night houses are provided with small wooden boxes with dry paddy straw and provide heater.
7. In the reptile house all night houses are provided with dry leaves, bulbs, small Pots and Danes to protect themselves from wind.
8. In the Mouse Deer Breeding Centre animal house are covered with green cloth outer side and provide dry paddy straw in each animal night house to protect from winter waves.
9. Lion Safari night animal houses are provided with heaters.
10. Nocturnal Animal House Air conditions are stopped for 3 months (November, 2018 to January, 2019).
11. All the night houses of carnivores are provided with wooden planks to avoid cramps in the foot region.





RESEARCH WORK CARRIED OUT AND PUBLICATIONS

1). Laxmi Narayana., M. Sandeep and H.M. Hanifulla 2019. World Wildlife Day Celebrations at Nehru Zoological Park, Hyderabad, Telangana. Zoo's Print, 34(3): 43-44 pp.

2) M. Sandeep., B. Laxmi Narayana., Shivani Dogra and N. Kshitija.2019. Reintroduction of Indian Mouse Deer (Moschiola indica) at Amrabad Tiger Reserve and Kinnerasani Wildlife Sanctuary, Kothagudem, Telangana State, India. IUCN SSC Deer Specialist Group (DSG).

CONSERVATION BREEDING PROGRAMME OF THE ZOO

MOUSE DEER BREEDING CENTRE:



Conservation Breeding of Mouse Deer (Moschiola indica) started on 03.03.2010 with founder stock of 6 animals. By the end of March, 2013, the Mouse Deer number reached to 35. Subsequently two wild rescue Male Mouse Deer were added to the breeding population to maintain the heterozygosity. Records pertaining to parentage, health, animal behavior etc., are maintained to see that the breeding program continues for a longer period without any in-breeding related problems and introducing new blood line from other Zoos and wild to maintain genetic diversity.

Genetic Profiling of Mouse Deer was done by LaCONES and identified suitable animals for release. Mouse Deer have been identified based on the factors of Heterozygosity, age and parentage for re-release into the natural forest. Food diversification from captive to wild, i.e., feeding habits of these animals changed to suit the native conditions.

Soft release/re-introduction programme of Mouse Deer release was started on 12.09.2017 with (2:6:0) individuals in the prerelease site at Mannanur Range, Achampet Forest Division, Amrabad Tiger Reserve, Nagar Kurnool District, Telangana State.

Mouse Deer breeding is successfully captivity at Nehru Zoological Park, Hyderabad. Regular monitoring studies were carrying out at soft releasing site.

By the end of March, 2019, the population of Mouse Deer was (87:77:16) Total 180.

VULTURE BREEDING CENTRE :



Conservation Breeding Centre for White Backed Vulture (Gyps bengalensis) was started on 22.11.2010 in Nehru Zoological Park, Hyderabad with founder stock of 5 birds (2 males and 3 females) existing in the Zoo. 6 (5:1:0) Vultures were brought from Sakkarbagh Zoo, Junagadh, Gujarat during the year 2014-15. By the end of March, 2016, the population of the Vulture was (7:4:0) total 11.

Diet is provided in the form of whole carcass of goat weighing about 20 Kgs twice a week. Two male vultures paired with two females and mating behaviour was observed and recorded. On 01.12.2012 one egg was laid and a chick was born. Hatching, Incubation, Birth of chick, feeding of chick by the parents and Parental care behaviours were recorded. Unfortunately, after 18 days the chick was died due to congenital defect. "During 2013-14 one egg was laid by the only potent/fertile female. Parents included the egg. After completion of 58 days of incubation, mother vulture has opened the egg. Due to infertility no chick was born". Egg given during the year but it becomes infertile.2014-15 Egg was laid again infertile egg.2015-16 two male vultures paired with two females and mating behaviour was observed one pair of Vulture laid egg but infertile and another pair of Vulture laid egg and a chick was born. Hatching, Incubation, Birth of chick, feeding of chick by the parents and Parental care recorded. Unfortunately, after 11 days chick was died due to Kidney failure, gull bladder enlarged.

During the year 2016-17 one egg was laid on 31.10.2017. Incubation period was noted about 85 days but egg is not hatched. Finally, we conclude that the egg is infertile. We have planned in the year 2017-18 to procure new breeding pairs (5:5:0) from CCF (T), Gadchirolli Forest Circle, Gadchirollli, Maharashtra.

ANIMAL ACQUISITION / TRANSFER/ EXCHANGE DURING THE YEAR

I) Acquisition during the year 2018-19

Sl. No	Name of the Animal	SEX				Received from	Date
		M	F	U	TOT		
1	Aldabra Tortoise	1	1	0	2	National Botanical Gardens Foundation, Seychelles, East Africa as a gift.	24.06.2018
2	Panther	0	1	0	1	DFO, Kamareddy and rescued from Basupally Thanda, Bansuwada RF, Kamaraddy District, Telangana. Age about 1 year as on arrival.	16.07.2018
4	Long Billed Vulture	0	0	1	1	Rescued and received from DFO, Kumarambheem Asifabad District, T.S.	22.08.2018
5	Himalayan Griffon Vulture	0	0	1	1	Rescued and received from DFO, Nalgonda District, Telangana.	01.02.2019
6	Giraffe	1	1	0	2	Zoological Garden, Alipore, Kolkata, West Bengal in animal exchange programme.	07.03.2019
	TOTAL	**2**	**3**	**2**	**7**		







II) Disposal particulars for the year 2018-19

Sl. No	Name of the Animal	SEX				Sent to	Date
		M	F	U	TOT		
1	Spotted Deer	8	8	0	16	Pocharam Wildlife Sanctuary, Medak, T.S.	03.04.2018
2	Spotted Deer	10	1	0	11	Pocharam Wildlife Sanctuary, Medak, T.S.	18.04.2018
3	Spotted Deer	5	15	0	20	Pocharam Wildlife Sanctuary, Medak, T.S.	21.04.2018
4	Mouse Deer	4	6	0	10	Rehabilitated in soft release center at Pichhakuntal Cheruvu, Amrabad Forest area, Achampet Division, Nagarkurnool District, T.S.	21.06.2018
5	Mouse Deer	2	8	0	10	Rehabilitated in soft release centre at Pichhkuntal Cheruvu, Amrabad Forest area, Achampet Division, Nagarkurnool District, T.S.	23.07.2018
6	Mouse Deer	2	6	0	8	Rehabilitated in soft release centre at Pichhkuntal Cheruvu, Amrabad Forest area, Achampet Division, Nagarkurnool District, T.S.	15.10.2018
7	Mouse Deer	1	3	0	4	Soft release in Chatakonda Range of WLM Kinnerasani Division of Badradri Kothagudem District, Telangana	30.10.2018
8	Mouse Deer	2	6	0	8	Rehabilitated in soft release centre at Pichhkuntal Cheruvu, Amrabad Forest area, Achampet Division, Nagarkurnool District, T.S.	24.11.2018
9	Mouse Deer	2	6	0	8	Released in the Mrugavani National Park, Chilkur, Rangareddy District, Telangana.	29.11.2018
10	Peach Faced Love Bird	0	0	20	20	Kandlakoya Oxygen Park, Dulapally Range, Medchal District, T.S.	08.12.2018
11	Mask Love Bird	0	0	2	2	Kandlakoya Oxygen Park, Dulapally Range, Medchal District, T.S.	08.12.2018

12	Fishers Love Bird	0	0	2	2	Kandlakoya Oxygen Park, Dulapally Range, Medchal District, T.S.	08.12.2018
13	Yellow Love Bird	0	0	2	2	Kandlakoya Oxygen Park, Dulapally Range, Medchal District, T.S.	08.12.2018
14	Grey Cockatiel	2	2	0	4	Kandlakoya Oxygen Park, Dulapally Range, Medchal District, T.S.	08.12.2018
15	Lutino/White Cockatiel	2	2	0	4	Kandlakoya Oxygen Park, Dulapally Range, Medchal District, T.S.	08.12.2018
16	Jandaya Conure	1	2	0	3	Kandlakoya Oxygen Park, Dulapally Range, Medchal District, T.S.	08.12.2018
17	White Peafowl	1	1	0	2	Kandlakoya Oxygen Park, Dulapally Range, Medchal District, T.S.	08.12.2018
18	Silver Pheasant	1	3	0	4	Kandlakoya Oxygen Park, Dulapally Range, Medchal District, T.S.	08.12.2018
19	Indian Soft-Shelled Turtle	2	3	0	5	Kandlakoya Oxygen Park, Dulapally Range, Medchal District, T.S.	08.12.2018
20	Mouse Deer	1	3	0	4	Rehabilitated at Chatakonda Range of WLM Kinnerasani Division of Badradri Kothagudem District, Telangana.	11.12.2018
21	Spotted Deer	11	10	0	21	Translocated to Eturnagarm Wildlilfe Sanctuary, Prof. Jayashanker Bhupalapally District, T.S.	20.12.2018
22	Spotted Deer	6	11	0	17	Translocated to Divisional Forest Officer, Vikarabad, Telangana.	31.12.2018
23	Mouse Deer	1	3	0	4	Rehabilitated at Chatakonda Range of WLM Kinnerasani Division of Badradri Kothagudem District, Telangana.	05.01.2019
24	Mouse Deer	2	6	0	8	Rehabilitated in soft release centre at Pichhkuntla Cheruvu, Amrabad Forest area, Achampet Division, Nagarkurnool District, T.S.	08.01.2019

25	Spotted Deer	8	11	0	19	Translocated to Kagaznagar Forest, Komurambheem Asifabad District, T.S.	19.02.2019
26	Mouse Deer	2	6	0	8	Rehabilitated in soft release centre at Pichhkuntla Cheruvu, Amrabad Forest area, Achampet Division, Nagarkurnool District, T.S.	10.03.2019
27	Grey Cockatiel	5	5	0	10	Kandlakoya Oxygen Park, Dulapally Range, Medchal District, T.S.	25.03.2019
28	White Cockatiel	2	2	0	4	Kandlakoya Oxygen Park, Dulapally Range, Medchal District, T.S.	25.03.2019
29	Sun Conure	1	1	0	2	Kandlakoya Oxygen Park, Dulapally Range, Medchal District, T.S.	25.03.2019
	TOTAL	**84**	**130**	**26**	**240**		





RESCUE AND REHABILITATION OF THE WILD ANIMALS CARRIED OUT BY THE ZOO

Sl. No	Date of Acquisition	Name of the Animal	SEX				Received from	Date of Submission of Report to the CWLW / CZA	Action taken	
			M	F	U	TOT			Date and place of rehabilitation in their habitat	Reasons for housing in the Zoo, if not released in their habitat
1	16.07.2018	Panther	0	1	0	1	DFO, Kamareddy and rescued from Basupally Thanda, Bansuwada RF, Kamareddy District, Telangana with fore limb digits fracture and radius ulna fracture. Age about one year as on arrival.	16.07.2018	Nehru Zoological Park, Hyderabad	Kept in the zoo for forelimb fracture treatment
2	22.08.2018	Long Billed Vulture	0	0	1	1	Rescued and received from DFO, Kumarambheem Asifabad District, T.S.	22.08.2018	Nehru Zoological Park, Hyderabad	Kept in the Zoo for treatment of wounds.
3	01.02.2019	Himalayan Griffon Vulture	0	0	1	1	Rescued and received from DFO, Nalgonda District, Telangana.	01.02.2019	Nehru Zoological Park, Hyderabad	Kept in the Zoo for treatment of wounds.
		TOTAL	**0**	**1**	**2**	**3**				





ANNUAL INVENTORY OF ANIMALS

Schedule I & II

Sl. No.	Animal Name	Scientific name	Closing stock as on 31.03.2019				IUCN
			M	F	U	T	
	CARNIVORES						
1	Ratel	*Mellivora capensis*	1	1	0	2	LC
2	Royal Bengal Tiger	*Panthera tigris tigris*	4	5	0	9	EN
3	Royal Bengal Tiger (White)	*Panthera tigris tigris*	9	3	0	12	EN
4	Indian Wolf	*Canis lupus pallipes*	1	1	0	2	LC
5	Smooth Indian Otter	*Luthra perspicillata*	1	1	0	2	VU
6	Jackal	*Canis aureus*	6	3	0	9	LC
7	Leopard/Panther	*Panthera pardus*	5	1	0	6	VU
8	Leopard Cat	*Prionailurus bengalensis*	1	2	0	3	LC
9	Common Palm Civet - Cat Toddy	*Paradoxurus hermaphroditus*	4	3	0	7	LC
10	Himalayan Black Bear	*Ursus thibetanus*	2	5	0	7	VU
11	Sloth Bear	*Melursus ursinus*	3	3	0	6	VU
12	Malayan Sun Bear	*Helarctus malayanus*	0	2	0	2	VU
13	African Cheetah	*Acinonyx jubatus*	1	1	0	2	VU
14	Small Indian Civet	*Viverricula indica*	1	1	0	2	LC
15	Indian Lion	*Panthera leo persica*	6	8	0	14	EN
16	Jungle Cat	*Felis chaus*	2	6	0	8	LC
17	Fishing Cat	*Prionailurus viverrinus*	2	0	0	2	VU
	TOTAL CARNIVORES		**49**	**46**	**0**	**95**	
	HERBIVORES						
1	Black Buck - Krishna Mrig	*Antilope cervicapra*	11	25	8	44	LC
2	Black Buck (Albino) (White)	*Antilope cervicapra*	1	2	0	3	LC
3	Brow-Antler Deer - Sangai - manipur / Thamin Deer	*Rucervus eldii eldii*	2	4	1	7	EN
4	Mouse Deer	*Moschiola Indica*	87	77	16	180	LC
5	Swamp Deer (Barasingha)	*Rucervus duvaucelii*	0	1	0	1	VU
6	Indian Elephant	*Elephas maximus*	1	4	0	5	EN
7	Gaur - Indian Bison	*Bos frontalis gaurus*	3	2	1	6	VU
18	Grey Hornbill	*Ocyceros birostris*	1	1	0	2	LC
19	European/White Stork	*Ciconia ciconia*	0	0	1	1	LC

20	Lesser Whistling Teal	*Dendrocygna javanica*	0	0	3	3	LC
21	Large Whistling Teal	*Dendrocygna bicolor*	0	0	4	4	LC
22	Northern Pin Tail Duck	*Anas acuta*	2	2	0	4	LC
23	Common Teal / Eurasian Teal	*Anas crecca*	3	1	0	4	LC
24	Garganey Teal	*Anas querquedula*	1	2	0	3	LC
	TOTAL BIRDS		**64**	**84**	**36**	**184**	
	REPTILES						
1	Chameleon Indian	*Chamaeleon zeylanicus*	0	0	15	15	LC
2	Indian Cobra	*Naja naja*	2	8	0	10	LC
3	King Cobra	*Ophiophagus hannah*	2	1	0	3	VU
4	Black Cobra	*Naja naja oxiana*	0	0	3	3	DD
5	Long Snouted Crocodile - Gharial	*Gavialis gangeticus*	1	6	0	7	CR
6	Crocodile Marsh (Mugger)	*Crocodylus palustris*	25	24	16	65	VU
7	Salt Water Crocodile	*Crocodylus porosus*	2	1	0	3	LC
8	Indian Land Monitor Lizard	*Varanus bengalensis*	1	1	0	2	LC
9	Water Monitor Lizard	*Varanus salvator*	1	2	0	3	LC
10	Indian Rock Python	*Python molurus*	3	4	0	7	NT
11	Rat Snake / Dhaman	*Ptyas mucosus*	4	2	0	6	LC
12	Checkered Keelback Snake/ Water Snake	*Xenochrophis piscator*	10	2	0	12	LC
13	Reticulated Python	*Broghammerus reticulatus*	1	2	0	3	VU
14	Fresh Water Turtle/ Indian Soft- Shelled Turtle	*Lissemys punetata punctata*	43	22	0	65	LC
15	Indian Black Turtle	*Melanochelys trijuga*	5	5	0	10	NT
	TOTAL REPTILES		**100**	**80**	**34**	**214**	
	GRAND TOTAL		**331**	**341**	**106**	**778**	







OTHERS (Non-Scheduled)

Sl. No.	Animal Name	Scientific name	Closing stock as on 31.03.2019				IUCN
			M	F	U	T	
	CARNIVORES						
1	Jaguar	*Panthera onca*	2	3	0	5	NT
2	African Lion	*Panthera leo*	2	3	2	7	VU
3	Striped Hyaena	*Hyaena hyaena*	2	1	0	3	NT
	TOTAL CARNIVORES		**6**	**7**	**2**	**15**	
	HERBIVORES						
1	Barking Deer	*Muntiacus muntjak*	0	2	2	4	LC
2	Hog Deer	*Axis porcinus*	4	8	2	14	EN
3	Sambar Deer	*Rusa unicolor*	4	2	3	9	VU
4	Spotted Deer	*Axis axis*	43	56	87	186	LC
5	Hippopotamus	*Hippopotamus amphibius*	1	1	0	2	VU
6	Nilgai	*Boselaphus tragocamelus*	6	11	2	19	LC
7	Giraffe	*Giraffa camelopardalis*	2	1	0	3	VU
8	Himalayan Goral	*Naemorhedus goral*	2	0	0	2	NT
	TOTAL HERBIVORES		**62**	**81**	**96**	**239**	
	FLYING MAMMALS						
1	Flying Fox	*Pteropus giganteus*	0	0	17	17	LC
	TOTAL FLYING MAMMALS		**0**	**0**	**17**	**17**	
	PRIMATES						
1	Sacred Baboon	*Papio hamadryas*	1	2	0	3	LC
2	Olive Baboon	*Papio cynocephalus*	1	0	0	1	LC
3	Chimpanzee	*Pan troglodytes*	0	1	0	1	EN
4	African Green Monkey	*Simia aethiops*	0	1	0	1	LC
5	African Red Pattas Monkey	*Erythrocebus patas*	0	1	0	1	LC
6	Squirrel Monkey	*Saimiri sciureus*	0	0	1	1	LC
7	Golden Handed Tamarin Monkey	*Saguinus midas*	1	0	0	1	LC
	TOTAL PRIMATES		**3**	**5**	**1**	**9**	
	RODENTS						
1	Indian Porcupine	*Hystrix indica*	2	2	0	4	LC
	TOTAL RODENTS		2	2	0	4	

	BIRDS						
1	Yellow Fronted Amazon	*Amazona ocrocephala ocrocephala*	2	1	0	3	LC
2	Mute Swan	*Cygnus olor*	1	0	0	1	LC
3	Black Swan	*Cygnus atratus*	2	3	7	12	LC
4	White Cockatiel	*Nymphicus hollandicus*	7	10	5	22	LC
5	Grey Cockatiel	*Nymphicus hollandicus*	3	4	9	16	LC
6	White Cockatoo	*Cacatua alba*	0	0	1	1	EN
7	Goffins Cockatoo	*Cacatua goffini*	0	0	1	1	NT
8	Sulpher Crested Cockatoo	*Cacatua galerita*	0	0	1	1	LC
9	Patagonian Conure	*Cyanoliseus patagonus*	1	1	0	2	LC
10	Sun Conure	*Aratinga solstitialis*	1	1	0	2	EN
11	Jandaya Conure	*Aratinga jandaya*	1	0	6	7	LC
12	Sarus Crane	*Grus antigone*	2	4	0	6	VU
13	Brahmini Duck/ Ruddy Shell Duck	*Tadorna ferruginea*	2	2	0	4	LC
14	Indian Spot Bill Duck	*Anas poecilorhyncha*	1	3	0	4	LC
15	Emu	*Dromaius novaehollandiae*	6	10	3	19	LC
16	Greater Flamingo	*Phoenicopterus roseus*	2	2	0	4	LC
17	Red Spur Fowl	*Galloperdix spadicea*	1	1	0	2	LC
18	Harrier	*Circus macrourus*	1	0	0	1	NT
19	Grey Heron	*Ardea cinerea*	2	4	2	8	LC
20	White Ibis	*Theskiornis melanocephalus*	47	61	25	133	NT
21	Pariah Kite/ Black Kite	*Milvus migrans govinda*	3	4	0	7	LC
22	Dusky Lorikeet	*Pseudeos fuscata*	0	1	0	1	LC
23	Rainbow Lorikeet	*Trichoglossus moluccanus*	1	1	0	2	LC
24	Peach Faced Love Bird	*Agapornis roseicollis*	0	0	87	87	LC
25	Blue Masked Love Bird	*Agapornis personatus*	0	0	16	16	NT
26	Fishers Love Bird	*Agapornis fischeri*	0	0	21	21	NT
27	Yellow Love Bird	*Agapornis personatus*	0	0	8	8	LC
28	Green Winged Macaw	*Ara chloropterus*	1	1	0	2	LC
29	Blue Yellow Macaw	*Ara ararauna*	2	2	3	7	LC
30	Scarlet Macaw	*Ara macao*	1	1	0	2	LC
31	Purple Moorhen	*Porphyrio porphyrio*	1	2	1	4	LC
32	Ostrich	*Struthio camelus*	4	2	0	6	LC
33	Barn Owl	*Tyto alba*	0	0	4	4	LC

34	Brown Fish Owl	*Ketupa zelonensis leschena*	2	0	0	2	LC
35	Mottled Wood Owl	*Strix ocellata*	1	1	0	2	LC
36	Alexandrine Parakeet	*Psittacula eupatria*	12	0	0	12	NT
37	Blossom Head Parakeet	*Psittacula roseata*	5	8	2	15	LC
38	Moustached Parakeet / Red Breasted Parakeet	*Psittacula alexandri*	3	2	0	5	NT
39	Rose Ringed Parakeet	*Psittacula krameri*	27	26	6	59	LC
40	Blue Winged Parakeet/ Malabar	*Psittacula columboides*	1	1	0	2	LC
41	Timney Grey Parrot	*Psittacus timneh*	1	1	0	2	EN
42	African Grey Parrot	*Psittacus erithacus*	0	2	0	2	EN
43	Grey Pelican / Spot Billed Pelican	*Pelecanus philippensis*	5	5	2	12	NT
44	Golden Pheasant	*Chrysolophus pictus*	2	1	0	3	LC
45	Lady Amhrest Pheasant	*Chrysolophus amherstiae*	2	1	0	3	LC
46	Silver Pheasant	*Lophura nycthemera*	6	16	0	22	LC
47	Ring Necked Pheasant	*Phasianus colchicus*	1	0	0	1	LC
48	Reeves Pheasant	*Syrmaticus reevesii*	1	0	0	1	VU
49	Eastern Rosella	*Platycercus eximius*	0	0	0	0	LC
50	Shikra	*Accipiter badius*	3	0	0	3	LC
51	White Necked Stork / Woolly Necked Stork	*Ciconia episcopus*	0	0	1	2	VU
52	White Back Vulture	*Gyps bengalensis*	7	4	0	11	CR
53	Zebra Finch	*Poephila guttata*	17	15	0	32	LC
54	Budgerigar	*Melopsittacus undulatus*	10	10	4	24	LC
55	Purple Heron	*Ardea purpurea*	2	3	0	5	LC
56	Eclectus Parakeet	*Eclectus roratus*	1	1	0	2	LC
57	Rhea	*Rhea americana*	1	0	0	1	NT
58	Indian Sand Grouse	*Pterocles oxustus*	1	2	0	3	LC
59	Java Sparrow	*Padda oryzivora*	10	10	0	20	VU
60	House Sparrow	*Passer domesticus*	1	1	0	2	LC
61	White Dove	*Zenaida asiatica*	4	5	4	13	LC
62	Brown Quail	*Synoicus ypsilophora*	0	0	8	8	LC
63	Little Cormorant	*Phalacrocorax niger*	2	2	0	4	LC
64	Turaco Parakeet	*Various sps (Turaco)*	1	1	0	2	
65	Spotted Dove	*Streptopelia chinensis*	15	19	2	36	LC
66	Pond Heron	*Ardeola grayii*	2	2	0	4	LC

67	Black Crowned Night Heron	*Nycticorax nycticorax*	2	2	0	4	LC
68	White Breasted Waterhen	*Amaurornis phoenicurus*	0	0	4	4	LC
69	Indian Black Ibis/ Red Naped Ibis	*Pseudibis papillosa*	0	0	0	0	LC
70	Greater Egret	*Ardea alba*	0	0	16	16	LC
71	Little Egret	*Egretta garzetta*	0	0	4	4	LC
72	Cattle Egret	*Bubulcus ibis*	0	0	4	4	LC
	TOTAL BIRDS		**243**	**262**	**257**	**763**	
	REPTILES						
1	Spectacled Caiman	*Caiman crocodilus*	0	0	2	2	LC
2	Russel's Viper	*Daboia russelii*	1	1	0	2	LC
3	Common Krait	*Bungarus caeruleus*	4	3	0	7	LC
4	Sand Boa	*Gongylophis conicus*	1	1	6	8	NT
5	Whitaker's Sand Boa	*Eryx whitakeri*	0	1	0	1	VU
6	Green Vine Snake	*Ahaetulla nasuta*	5	4	0	9	LC
7	Green Iguana	*Iguana iguana*	7	4	5	16	LC
8	Aldabra Giant Tortoise	*Aldabrachelys gigantea*	2	0	0	2	VU
9	Galapagos Tortoise	*Chelonoids nigra*	2	0	0	2	CR
10	Indian Star Tortoise	*Geochelone elegans*	0	0	10	10	VU
11	Red Eared Terrapin	*Trachemys scripta elegans*	0	0	29	29	LC
12	Common Mongoose	*Herpestes edwardsii*	2	2	0	4	LC
	TOTAL REPTILES		**24**	**16**	**52**	**92**	
	GRAND TOTAL		**340**	**373**	**425**	**1139**	



MORTALITY OF ANIMALS

Sl. No.	Animal Name	Scientific name	Sex	Date of Death	Reason of death as per the post-mortem report
1	Eastern Rosella	*Platycercus eximius*	F	27.04.2018	"Pulmonary syncope" associated with shock.
2	Rhea (Rishika)	*Rhea americana*	F	02.05.2018	Bacterial septicemia.
3	Silver Pheasant	*Lophura nycthemera*	M	05.05.2018	Highly putrefied.
4	Hog Deer	*Axis porcinus*	M	30.05.2018	Several internal haemorrhage on body, shock and death.
5	Spotted Deer	*Axis axis*	M	31.05.2018	Internal injury, internal haemorrhages.
6	Asiatic Lion (Aruna)	*Panthera leo persica*	F	04.06.2018	"Cirrhosis of liver".
7	Black Ibis	*Pseudibis papillosa*	M	14.06.2018	Predator - Internal viscera missing, presumed to be attacked died due to shock.
8	Black Ibis	*Pseudibis papillosa*	F	14.06.2018	Attacked by predator - all visceral organs missing could not be ascertained.
9	Purple Moorhen	*Porphyrio porphyrio*	M	14.06.2018	Predated shock and death with missing viscera.
10	Purple Moorhen	*Porphyrio porphyrio*	U	14.06.2018	Predated - No viscera found, hence could not be ascertained presumed death due to predation (attacked).
11	Elephant (Jamuna)	*Elephas maximus*	F	19.06.2018	Death due to Chronic respiratory infection/enteritis/enemiasis.
12	Himalayan Goral	*Naemorhedus goral*	F	22.06.2018	Pulmonary syncope associated with asphyxia.
13	Rainbow Lorikeet	*Trichoglossus moluccanus*	M	27.06.2018	Pneumonia
14	Asiatic Lion (Crazy)	*Panthera leo persica*	M	29.06.2018	Septicemia
15	Panther (Deepa)	*Panthera pardus*	F	04.07.2018	Senility
16	Sarus Crane	*Grus antigone*	U	19.07.2018	Internal haemorrhages trauma shock and death.
17	Mouse Deer	*Moischiola indica*	M	10.08.2018	shock caused by trauma.
18	Lady Amherest Pheasant	*Chrysolophus amherstiae*	M	10.08.2018	"Pasteurella" infection.
19	Mouse Deer	*Moischiola indica*	M	21.08.2018	"Septicemia".
20	Indian Gaur (Veer)	*Bos frontalis gaurus*	M	04.09.2018	Asphyxia.
21	Mouse Deer	*Moischiola indica*	F	04.09.2018	Septicemia

22	Mouse Deer	*Moischiola indica*	M	04.09.2018	Septicemia
23	African Grey Parrot	*Psittacus erithacus*	M	15.09.2018	Severe trauma shock and death.
24	Mouse Deer	*Moischiola indica*	M	18.09.2019	Multiple injuries trauma shock and death.
25	Mouse Deer	*Moischiola indica*	M	22.09.2018	Infighting injury trauma shock and death.
26	Asiatic Lion (Atul)	*Panthera leo persica*	M	04.10.2018	Multiple organs failure.
27	Indian Chameleon	*Chamaeleon zeylanicus*	M	22.10.2018	Atrophy of kidney renal failure.
28	Indian Chameleon	*Chamaeleon zeylanicus*	F	24.10.2018	Improper moulting leads to skin emaciation associated with parasitic infection and death.
29	Indian Chameleon	*Chamaeleon zeylanicus*	F	24.10.2018	Asphyxia associated with choke elementary canal & tongue at buccal cavity.
30	Mouse Deer	*Moischiola indica*	M	28.10.2018	Infighting injuries.
31	Indian Chameleon	*Chamaeleon zeylanicus*	U	01.11.2018	Pneumonia associated with improper thermoregulation and moulting.
32	Indian Chameleon	*Chamaeleon zeylanicus*	F	01.11.2018	Pulmonary syncope associated with toxaemia having congenital defect of improper anal opening.
33	Indian Chameleon	*Chamaeleon zeylanicus*	M	02.11.2018	Death due to shock associates with protozoal infection.
34	Himalayan Goral	*Naemorhedus goral*	F	03.11.2018	Cirrhosis of liver.
35	Mouse Deer	*Moischiola indica*	F	11.11.2018	Severe multiple injuries trauma bleeding shock and death.
36	Mouse Deer	*Moischiola indica*	F	11.11.2018	Asphyxia associated with acute gastritis and diarrhea.
37	Asiatic Lion (Soni)	*Panthera leo persica*	F	15.11.2018	Severe internal haemorrhages.
38	Hog Deer	*Axis porcinus*	M	15.11.2018	Septicemia associated with bacterial infection.
39	Mute Swan/ White Swan (Madhumathi)	*Cygnus olor*	F	21.11.2018	Cirrhosis of liver.
40	Striped Hyaena (Yamuna)	*Hyaena hyaena*	F	28.11.2018	Shock and death.

41	Black Buck (Albino) (White) (Pulkit)	*Antelope cervicapra*	M	28.11.2018	Shock associated with internal obstruction.
42	Nilgai	*Boselaphus tragocamelus*	M	19.12.2018	Several internal haemorrhages trauma shock and death.
43	Sambar Deer	*Rusa unicolor*	M	02.01.2019	Infighting injury internal haemorrhages trauma shock and death.
44	Golden Pheasant	*Chrysolophus pictus*	F	15.01.2019	Visceral gout
45	Alexanderine Parakeet	*Psittacula eupatria*	F	16.01.2019	Predator attack trauma shock and death
46	Mouse Deer	*Moischiola indica*	M	19.01.2019	Uremea could be due to Obstruction at adrenal gland coupled with broncho-pneumonia.
47	Chousingha (Sub-Adult)	*Tetracerus quadricornis*	M	27.01.2019	Pneumonia shock and death.
48	Ring Necked Parakeet	*Phasianus colchicus*	F	28.01.2019	Cirrhosis of liver.
49	Squirrel Monkey (Baby)	*Saimiri sciureus*	M	02.02.2019	Fore head injury brain haemorrhage shock and death.
50	Panther (Preeti)	*Panthera pardus*	F	04.02.2019	Syncope caused by pyometra, peritonitis
51	Lady Amherest Pheasant	*Chrysolophus amherstiae*	F	08.02.2019	Trauma internal haemorrhages shock and death.
52	Squirrel Monkey (Alekya)	*Saimiri sciureus*	F	17.02.2019	Congestive heart failure
53	Barking Deer	*Muntiacus muntjak*	M	01.03.2019	Liver failure associated with bacterial infection.
54	Khalij Pheasant	*Lophura leucomelanos*	F	06.03.2019	As head empty indicative of "Shock".
55	Indian Gaur (Manju)	*Bos frontalis gaurus*	F	07.03.2019	Septicemia.
56	Mouse Deer	*Moischiola indica*	M	17.03.2019	Shock due to impacted food material.
57	Comb Duck	*Sarkidiornis melanotos*	M	19.03.2019	Toxicity of painting
58	Mouse Deer	*Moischiola indica*	M	30.03.2019	External haemorrhages shock

STATUS OF THE COMPLIANCE WITH CONDITIONS STIPULATED BY THE CENTRAL ZOO AUTHORITY

Time to Time compliance is being done as per the instructions of the Central Zoo Authority, New Delhi

LIST OF FREE-LIVING WILD ANIMALS WITHIN THE ZOO PREMISES

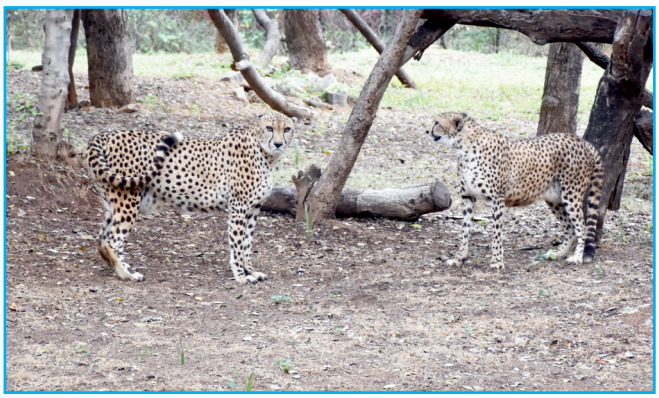
Sl.No	Species name	Scientific name
1	Blanford's Rock Agama	*Psammophilus blanfordanus*
2	Common Garden Lizard	*Calotes versicolar*
3	Roux's Forest Lizard	*Calotes rouxii*
4	Fan throated lizard	*Sitana ponticeriana*
5	Bengal Monitor lizard	*Varanus bengalensis*
6	Common Sand boa	*Gongylophis conicus*
7	Bronze back tree snake	*Dendrilaphis tristis*
8	Buff striped keelback	*Amphiesma stolatum*
9	Checkered keelback	*Xenochrophis piscator*
10	Banded Kukri	*Oligodon arnensis*
11	Common Trinket snake	*Coelognathus helena helena*
12	Common wolf snake	*Lycodon aulicus*
13	Yellow collared wolf snake	*Lycodon flavicollis*
14	Green vine snake	*Ahaetulla nasuta*
15	Indian Rat snake	*Ptyas mucosus*
16	Common blind snake	*Ramphotyphlops braminus*
17	Russel's viper	*Daboia resselli*
18	Indian rock Python	*Python molurus*
19	Common Indian cobra	*Naja naja*
20	Common Krait	*Bungarus caeruleus*
21	Brook's gecko	*Hemidactylus brookii*
22	Common House Gecko	*Hemidactylus frenatus*
23	Leschenault's Leaf-toed Gecko	*Hemidactylus leschenaultia*
24	Treutleri's gecko	*Hemidactylus treutleri*
25	Indian Black Turtle	*Melanochelys trijuga*
26	Indian flapshell turtle	*Lissemys punctata*
27	Common skink	*Mabuya carinata*
28	Skink	*Lygosoma punctatum*
29	Common Indian toad	*Duttaphrynus melanostictus*
30	Skittering frog	*Euphlyctis cyanophlyctis*
31	Common tree frog	*Polypedates maculates*

ANNEXURE – I

Details of expenditure during the year 2018 – 19 under report is as follows:

Sl.No.	Head of Account	Total Expenditure
1	2	3
I	**2406 - Forestry & Wild Life**	
	02 - Environmental Forestry & Wild Life	
	110 - Wild Life Preservation	
	(04) - Sanctuaries	
	010 - Salaries (Non-Plan)	
	011 - Pay	644.08970
	012 - Allowance	23.01502
	013 - DA	184.03131
	015-I.R	0.55481
	016-HRA	175.25890
	017-MR	9.43152
	018-EEL	100.70063
	060-PRC arrears	40.10063
	Total (010)	**1177.18252**
	130 - Office Expences	
	131 - Ser.Post,Telg,& Tel	5.06214
	132-OOE	1.00000
	133-Water & Electricity	0.00000
	Total (130)	**6.06214**
	240 - POL	1.99748
	511-Maint. Of Vehicle	1.80058
	Total	**3.79806**
	Total SH (04)	**1187.04272**
II	**2406 - Forestry & Wild Life**	
	01 - Forestry	
	001 - Direction and Administration	
	03-Dist Offices	
	010 - Salaries (Non-Plan)	
	020-Wages	
	022 - Full time contingent Employees	
	Pay	3.91788
	D.A & I.R	1.49302
	Total (110)	**5.41090**
	Total SH (04)	**5.41090**
III	**2406 - Forestry & Wild Life**	
	02 - Environmental Forestry & Wild Life	
	111 - Zoological Parks	
	11 – Normal State Plan	
	(04) - Nehru Zoological Parks	
	(Plan)	

	133 – Water & Electricity	6.00000
	Total SH (04)	**6.00000**
IV	**2406 - Forestry & Wild Life**	
	02 - Environmental Forestry & Wild Life	
	111 - Zoological Parks	
	25 – State Sector Scheme	
	(04) - Nehru Zoological Parks	
	(Non-Plan)	
	230 - Diet Charges	370.00000
	Total SH (04)	**370.00000**
V	**C.Z.A Funds, 2018-19**	34.46573
	Total CZA	**34.46573**
VI	**ZAPAT (Zoos and Parks Authority of Telangana 2018-19**	**1788.92**
	Grand Total	**3391.83935**








News Paper Clipings

ZOO READIES SUMMER SOOTHERS TAKES COOL STEPS TO BEAT THE HEAT

Pics: Syed Omar

Nehru Zoological Park authorities have initiated measures to keep inmates cool, as the mercury has already breached the 40°C mark. With sweatier days ahead, officials have started working to ensure that inmates do not feel the pinch of the sapping sun, reports **Rijas Das**

DRINKING WATER SUPPLY

- Non-stop drinking water supply is ensured for the animals inside the enclosures
- Electral and glucose is mixed with the drinking water to rehydrate their bodies

COOLERS, SHADES & POOLS

- Coolers have been installed in night houses
- Six-inch mattresses are spread out on some cages; water is poured on these to ensure cages remain cool
- In each enclosure, authorities have also created a large pool, where the animals can take a dip
- At tiger enclosure and bird cages, sprinklers and foggers have been fitted
- Air-conditioners have been installed at nocturnal animal house

> As visitors increase manifold during summer, we are increasing the number of benches and shelters throughout the park, which will help them take rest. We are also installing more RO water purifiers
>
> **Syed Maqsood Mohiuddin** | ASSISTANT CONSERVATOR OF FORESTS, NEHRU ZOOLOGICAL PARK

> Sunstroke is the most common reason for death of animals such as monkeys, white tigers and birds. So, every 2-3 hours, we sprinkle water on the mattresses that cover the enclosures to reduce the temperature inside
>
> **Dr M A Hakim** | ASSISTANT DIRECTOR, NEHRU ZOOLOGICAL PARK

DIET CHANGES

SINCE THE ONSET OF SUMMER, ZOO AUTHORITIES HAVE CHANGED THE DIET OF THE ANIMALS TO ENSURE THAT THEIR BODIES REMAIN COOL. THIS DIET IS DIFFERENT FOR EACH ANIMAL, BASED ON THEIR HEALTH AND REQUIREMENTS

- Quantity of food supplied to reptiles, such as crocodiles, has been increased as their intake capacity rises in summer
- Tigers & lions are provided with about 20% less food, compared to other seasons
- During summer their food constitutes about 6.5kg beef and half-kg liver
- Milk, mixed with various medicines, is provided to cool down the body temperature and release stress
- The diet of apes, sloth bears and Asian black bears comprises watermelon and other seasonal fruits and vegetables

GREENERY AIDS HIGH FOOTFALL

- As summer holidays have begun, footfall has gone up significantly, with parents frequenting the zoo with their kids
- Last Sunday (April 22), 19,780 people flocked to the zoo — a significant rise from 15,756 visitors on the Sunday (April 23) exactly a year ago.
- The extensive plantation programme inside the zoo makes the premises a suitable place for visitors during summer
- The greenery ensures the temperature inside the zoo is a couple of degrees lower than what it is outside

NEW ATTRACTIONS

The latest attractions are Himalayan goral, white fox, saltwater crocodile, gharial and water monitor lizard

FACILITIES FOR VISITORS

- Facilities such as first-aid, toilets and washrooms, separate parking area and battery-operated vehicles to take visitors around the zoo have been provided
- There are 40 battery-operated vehicles; 10 more will be added soon

1.7 lakh people have visited the zoo since the beginning of April

చిరుతపులికి జూలో సర్జరీ



చిరుతపులికి సర్జరీ చేస్తున్న వైద్యులు

బహదూర్‌పురా: కామారెడ్డి జిల్లా బాన్సువాడ అభయారణ్యంలోని బాచుపల్లి తండాలో రెస్క్యూ చేసి తీసుకొచ్చిన ఏడాది వయసు చిరుతపులి కాలుకు గురువారం జూలో సర్జరీ చేశారు. యానిమల్ హస్బెండరీ అసిస్టెంట్ డైరెక్టర్, నిపుణుడైన డాక్టర్ జి. శంభులింగం, జూ విశ్రాంత డాక్టర్ నవీన్ కుమార్, జూ వైద్యులు సర్జరీని నిర్వహించారు. చిరుతపులి కాలి భాగంలో విరిగిన ఎముకలను తొలగించారు. పాదం పగుళ్లను కలిగి ఉందని డాక్టర్లు పేర్కొన్నారు. దీంతో పాటు ముఖం వద్ద పలు గాయాలు ఉన్నట్లు పేర్కొన్నారు. ప్రత్యేక వైద్యుల పర్యవేక్షణలో చిరుతపులి చికిత్స పొందుతోంది.

'కిన్నెరసాని'కి మూషిక జింకలు



కిన్నెరసానిలో టిపిన్ ఫారెస్ట్ లో మూషిక జింక

- అభయారణ్యంలో 20 జంతువులను వదిలిన అధికారులు
- అడవుల్లో సంఖ్య పెరిగేలా ఏర్పాట్లు
- జూలో ప్రస్తుతం ఉన్నవి 244

మంచి ఫలితాలొస్తున్నాయి:

మూషికజింకల కన్జర్వేషన్ బ్రీడింగ్ ప్రోగ్రామ్ మంచి ఫలితాలనిస్తోంది. అనూహ్యంగా వాటి సంఖ్య పెరుగుతుండటంతో ఇకర అభయారణ్యాల్లో వదులుతున్నాం. అక్కడ వాటి మనుగడ బాగానే ఉంది. క్రమంగా వాటి సంఖ్య పెరుగుతుంది. ఇది సంతోషించదగ్గ పరిణామం.

-క్షితిజ, జూ క్యూరేటర్

హైదరాబాద్, వెలుగు: అంతరించే దశకు చేరుకున్న మూషిక జింకల సంతతిని పెంచిన జూపార్కు ఇప్పుడు వాటిని వివిధ అడవుల్లో వదిలిపెడుతోంది. జూపార్కులో జన్మించిన ఒక మగ, మూడు ఆడ మూషిక జింకలను మూడు రోజుల క్రితం కిన్నెరసానిఅభయారణ్యంలో వదిలారు. గతేడాది ప్రయోగాత్మకంగా అమ్రాబాద్ టైగర్ రిజర్వ్ పాదమ్లలో 20 మూషిక జింకలను విడిచిపెట్టారు. అవి ఆరోగ్యంగా ఉండటంతోపాటు, సంతానాన్ని కూడా పెంచుకుంటున్నట్లు గుర్తించారు. దీంతో రెండో విడతగా కిన్నెరసాని అభయారణ్యంలో నాలుగింటిని విడిచిపెట్టారు. దేశంలో వీటి సంఖ్య బాగా తగ్గిపోగా, కాపాడుకోవాలన్న ఉద్దేశంతోనే మూషిక జింకల కన్జర్వేషన్ బ్రీడింగ్ ప్రోగ్రామ్‌ను ఎనిమిదేండ్ల క్రితం మన జూపార్కులోనే ప్రారంభించింది. చూడటానికి పెద్ద సైజు ఎలుక లాగా ఉండే ఈ జింకలు బట్టి గానే బెదిరి చనిపోతాయి. ఇలా చాలా రాష్ట్రాల్లో వీటి సంఖ్య తగ్గింది. జూపార్కు కృషితో ఇప్పుడు మెల్లగా ఆ సంఖ్య పెరుగుతోంది.

ఏం చేస్తున్నారు?

మూషిక జింక సంతతి పునరుత్పత్తికి ఏటా రూ. 20లక్షలు ఖర్చు చేస్తూ వస్తున్నారు. ఇందులో కేంద్ర ప్రభుత్వ సెంట్రల్ జూ అథారిటీ ఏటా రూ.8లక్షలు, తెలంగాణ ప్రభుత్వం ఏటా రూ.12 లక్షల చొప్పున ఖర్చు చేస్తున్నాయి. జూపార్కులో అనువైన వాతావరణం ఉండటంతో వాటి సంతతి పెరిగిపోస్తూ తం 244 కు చేరుకున్నాయి. వాటి బ్రీడింగ్‌కు 90 రోజులు పడుతుంది.

అడవిలో జూ తరహా ఏర్పాట్లు..

అభయారణ్యంలో వదిలిన తర్వాత మార్పును అవి తట్టుకోలేక ప్రమాదంలో పడే అవకాశం ఉండటంతో పదిహేను రోజుల పాటు పూర్తిగా జూ తరహా వాతావరణం ఏర్పాటు చేస్తారు. వెదురు బొంగులతో చిన్నచిన్న పెద్దదు నిర్మించి జింకలను అందులో వదులుతారు. వాటికి జూలో రోజూ కూరగాయలు, పండ్లు, గడ్డిని ఆహారంగా ఇస్తున్న ట్టే అక్కడా ఏర్పాటు చేస్తారు. పదిహేను రోజుల తర్వాత క్రమంగా పండ్లు, కాయగూరలు తగ్గించి వెదురు ఆకులు, గడ్డి ఇవ్వటం మొదలుపెడతారు. ఆ తర్వాత సహనసిద్ధ వాతావరణంలో అవే సొంతంగా ఆహారం వెతుక్కునేలా అలవాటు చేయిస్తారు. ఆహార పరిసరాల్లో అవి ఇష్టపగా తినే వెదురు చెట్లు, పిల్లిపిసరమొక్కలు, గడ్డి పెంచుతారు. వాటిని ఎప్పటికప్పుడు పర్యవేక్షించేలా సీసీ కెమెరాలు ఏర్పాటు చేస్తారు.

Nehru Zoo teeming with visitors

According to data, over two lakh visitors thronged the place in April this year

SHARIEL HYDERABAD

Call it a mystery or simply the invincible charm of a well-endowed animal park, but the Nehru Zoological Park continues to attract visitors by thousands even in this scorching summer heat.

Despite there being a host of recreational facilities in the city, such as theme parks, botanical gardens, entertainment and gaming zones, the zoo remains among the most, if not the most, highly visited public spaces in the city and the State. One visit to the zoo will put to rest all conversations of open spaces being sparsely visited in the summers. The scene is that of a long-awaited gala, with the premises teeming with thousands of families in hundreds of bunches comprising women, children and senior citizens.

Sometimes, there are even fights over the battery operated vehicles inside, as the current number is unable to handle the influx on weekends and public holidays. The Telangana Forest department has already ordered more vehicles to meet the ever-increasing demand here. According to zoo data, more than two lakh visitors thronged this animal kingdom in the city in April this year. Even as temperatures in the city soared to a merciless 43 degrees Celsius, nearly 21,000 including more than 6,000 children, visited the zoo in the first week of May. In the year 2016, a total of 28 lakh people had been to Nehru Zoo while the number crossed 30 lakh in 2017. The situation was no different during last two summers either. In April 2017, a total of 1,96,737 visitors walked into the zoo park, while more than 3,45,000 did in May the same year. In April 2016, the footfall stood at 1,56,994 and neared 4.5 lakh the next month.

While families are most commonly seen visiting the zoo, with children of all ages in the tow, school students are also taken in large groups as part of co-curricular outings. The ratio of children and adults among visitors here is approximately 1:3, which is to say that one third or so of all zoo visitors are children. As of now, the majority of families visiting the zoo carry food and fabric sheets inside, enjoying lunch and snack breaks between walking through the myriad lanes here. With Forest officials working on a new integrated food court near the exit side of the park, this 'picnic culture' will become another cultural menace to be put to the pages of history, as officials are certain about not allowing food outside the food court.

Location, green cover work in favour

Thanks to the extensive green cover and favourable location, temperatures in the zoo park consistently remain well below outside temperatures, Nehru Zoological Park Director S Kakety says. "Even in the summer, the crowds visit in large numbers. The zoo is located on the lower side of Mir Alam Tank, so the moisture in the air is less here, and the open spaces and lush green cover ensure that the temperatures remain at least 2 degrees Celsius to 3 degree Celsius below outside temperature," he says. And since there is no concretisation in the zoo premises, the heat island effect is also not here, Kakety points out. "So it is quite pleasant inside the zoo when compared to the urban scene outside," he adds.

GO-TO PLACE: People at the Nehru Zoological Park on Saturday. (Inset:) White tigers cooling off in a pool in the Zoo.

జూలో చైతన్యం రగిలించారు



జూలో పెద్దపులిని చూస్తూ ఉత్సాహంగా కనిపిస్తున్న విద్యార్థులు



పోస్టర్లు ప్రదర్శిస్తున్న విద్యార్థులు

లాభాలకే కాదు, పర్యావరణం కోసం కూడా పనిచేయాలి

-ఎండీ వెంకట్ బుద్ధా, విద్యార్థులకు పిలుపు

'Give priority to safety'

Sharpshooter Nawab Shafath Ali Khan asks forest officers to prepare well to capture wild animals

CITY BUREAU

In attempting to capture wild animals, ignorance was the primary reason for loss of limbs and lives of forest officers, said professional sharpshooter Nawab Shafath Ali Khan.

Speaking at a programme for forest officers on tranquilising and capturing wild animals at the Nehru Zoological Park here on Thursday, Khan cited a proverb and said several forest officials were killed or maimed by attacks from wild animals during capture operations. In most cases, the officers were thoroughly lacking in preparation. Some were even wearing casual shoes, he said.

Later in the day, Shafath also gave live demonstrations of hitting dummy targets and tranquilising free-ranging animals. He underlined the dos and don'ts of using dart guns and highlighted the importance of correct clothing, camouflage clothes and footwear. He also spoke on the use of carrying special equipment for capturing wild animals. Best of the dart guns given only a range of up to 30 metres for shooting a wild animal, which is highly risky. "So, while firing of a dart gun, you must be prepared well, wearing bulletproof jackets and helmets," he added. Shafath said, Additional Principal Chief Conservator of Forests (PCCF Wildlife) Mnuindra and other forest officials participated in the programme.



SHARPSHOOTER: Nawab Shafath Ali Khan giving hands-on training in tranquillising techniques to forest officers at Nehru Zoological Park on Thursday.

India cannot afford to have more tigers: Shafath

> Forest cover in the country is declining, while the number of tigers is on the rise
>
> — NAWAB SHAFATH ALI KHAN, WILDLIFE TRANQUILLISTANCE SECRETARY

While official figures for tiger population in the country hover at 2,000, the actual numbers would be at least 50 per cent higher than that, WWI Life Tranquilliance secretary Nawab Shafath Ali Khan told Telangana Today.

Khan, who is based in the Western Ghats, with undertook that thick tiger population. The challenge is to increase prey base and healthy forest cover for these tigers. Without that, Project Tiger will only lead to more man-animal conflict," he said, adding that there has been a spurt in such conflicts even in the largest of forest parks, including Jim Corbett National Park. The author and advisor on man-animal conflict conducted more than 40 operations of tranquillising wild animals such as tigers, leopards, elephants and bears. He was only 19 when he first shot dead a wild elephant in Mysore on the request of forest authorities.

"Hunting is an art, which requires technical knowledge. It is not just about bravery. You must be able to understand the forests as well as the animals. Even forest officials don't even know how to tell the direction of the wind, of course, they get mailed when they go out with dart guns," Khan added.

అంతరిస్తున్న వన్యప్రాణుల సంరక్షణపై దృష్టి పెట్టాలి

2017 బ్యాచ్ ఐఎఫ్ఎస్ ఆఫీసర్ల అవగాహన కార్యక్రమంలో క్యూరేటర్ క్షితిజ



ఐఎఫ్ఎస్ 2017 బ్యాచ్‌ను ఉద్దేశించి మాట్లాడుతున్న క్యూరేటర్ క్షితిజ

మన తెలంగాణ / రాజేంద్రనగర్ : అంతర్జాత దశకు చేరుకుంటున్న వన్యప్రాణుల పరిరక్షణలో నెహ్రూ జూలాజికల్ పార్కు ముఖ్య పాత్ర పోషిస్తుందని క్యూరేటర్ క్షితిజ ఐఎఫ్ఎస్ అన్నారు. ఇండియన్ ఫారెస్ట్ సర్వీస్‌లోకి వచ్చే అధికారులు వన్యప్రాణుల పరిరక్షణ, సంరక్షణ పై తప్పక అవగాహన పొందాల్సిన అవసరం ఉందని ఆమె గుర్తు చేశారు. మంగళవారం డెహ్రాడూన్‌లోని ఇండిరాగాంధీ శాతీయ ఫారెస్ట్ అకాడమీ నుంచి 2017 ఏ బ్యాచ్‌కు చెందిన ఐఎఫ్ఎస్ అధికారులు ఫ్యూరం డ్జిణ భారత సర్వీ టూర్‌లో భాగంగా నెహ్రూ జూలాజికల్ పార్కుకు వచ్చారు. వారికి అధికారికంగా ఆస్సెంట్ క్యూరేటర్ మక్బూల్ స్వాగతం పలుకగా, అనంతరం ఐమాక్స్‌లో నల్లో నిర్వాహించిన శిక్షణ, అవగాహన కార్యక్రమంలో క్యూరేటర్ క్షితిజ పాల్గొని పలు సూచనలు చేశారు. జూపార్కు నిర్వాహన వల్ల వన్య ప్రాణుల సంరక్షణ జరుగుతుందని, అంతర్జాత దశకు చేరిన వన్య సంపద పెరుగుతున్నట్లు కృషి మంచి ఫలితాలను ఇస్తుందని గుర్తు చేశారు. వైల్డ్ లైఫ్ పరిరక్షణలో ముఖ్య పాత్ర పోషిస్తున్న నగర జూపార్కు అదే విధంగా అంతరించి పోతున్న ప్రాణుల పునరుత్పత్తికి ప్రత్యేక శ్రద్ధ తీసుకుంటుందని వివరించారు. అనంతరం జూపార్కులో వన్యప్రాణుల ప్రదర్శనతో పాటు వన్య చిహ్నాన్ని పెంపొందించడానికి తీసుకుంటున్న చర్యలను ఐఎఫ్ఎస్ బ్యాచ్‌కు బయోలజిస్ట్ బి. లక్ష్మీ నారాయణ, జూ ఎజ్యుకేషన్ ఆఫీసర్ వసీఫుద్దీన్‌లు యూనిక్ ఎసిక్షికేషన్, మాబో ఎడియాల్ట్ తెప్పి వివరించారు.అలాగే వెటర్నరీ డైరెక్టర్ (వెటిటా. మోహీన్ , వెటర్నరీ అసిస్టెంట్ సర్జన్ డా. సయ్యద్ అబ్దుల్ అనుబుల్లా ట్రాక్టిజీషన్ పై అవగాహన కల్పించారు.

పండుగలా 'జూ' పుట్టిన రోజు వేడుకలు





మన తెలంగాణ / రాజేంద్రనగర్ : రాష్ట్ర రాజధాని హైదరాబాద్ నగరంలోని నెహ్రూ జూలాజికల్ పార్కు పుట్టిన రోజు వేడుకలు శనివారం కుమ్మల పండుగగా జరిగాయి. జూ పార్కు పోటీగా నేనంటే నేనే అన్న విధంగా నిజాం కాలం నాటి ఏనుగు 'రాణి(80)'తో పాటు బిహెచ్ఇఎల్ కా నుకగా ఇచ్చిన టాయ్‌ట్రెయిన్‌లకు 50వ బర్త్ డే సెలబ్రేషన్ ని ర్వహించారు. 64వ వన్యప్రాణి వారోత్సవాలు రేపటి వరకు కొనసాగనున్నాయి. వన్య సంపదల పరిరక్షణపై నిత్యం సందర్శకులకు పాఠాలను వల్లించే నెహ్రూ జూపార్కు 55 ఏ ళ్ల పూర్తి చేసుకుంది. 1963 అక్టోబర్ 6వ తేదీన సంద ర్శకుల కోసం గేట్లు తెరుచుకున్న ఈ పార్కు ఇంతింతై నటు దింతై అన్న విధంగా దేశంలోనే అగ్రగామిగా నిలిచిన విష యం తెలిసిందే. కాగా అధికారులు జూలో సెల బ్రేషన్స్ పేరిట ఉన్న వాలను నిర్వహిం చడం వన్య ప్రాణి ప్రేమికులను సంతోష పరిచింది. ఈ ఉత్సవాల్లో తెలంగాణ రాష్ట్ర అట వీశాఖ అధిపతి (ఇన్ చార్జి) పి.రఘుమీర్, అడిషనల్ పిసిసి ఎఫ్, వైల్డ్ లైఫ్ వార్డెన్ ము నింద్, అడిషనల్ పిసి సిఎఫ్ శోభ, జూపార్కు డైరెక్టర్ డాక్టర్ సి దానంద్ కుశె టి, బిహెచ్ఈఎల్ ఎగ్జి క్యూ టివ్ డైరెక్టర్ ఉదయ్‌కుమార్, లాకొన్స్ డైరెక్టర్ కార్తీ కే య న్, జూపార్కు క్యూరేటర్ క్షితిజ, మాజీ క్యూరేటర్లు శివా నిదొగ, సుభద్రాదేవి, శంకరన్, డిప్యూటీ డైరెక్టర్ (వెట్) డా హకీమ్, ఎసిఎఫ్ మక్బూల్ మొహిద్దీన్,అసిస్టెంట్ క్యూరేటర్లు జ్ఞా నేశ్వర్, భవాని శంకర్ తదితరులు పాల్గొన్నారు.

GREEN INITIATIVE

6 more e-vehicles added to zoo fleet

OUR BUREAU

Balasubrayu: In order to promote green initiatives and meet the increased demand for battery-operated vehicles for the visitors of Nehru Zoological Park (NZP), a total of six vehicles, which include five 10-seater and one 14-seater were launched. Chief Secretary (TS) Shailendra Kumar Joshi along with Ajay Mishra, Principal Secretary, EF&S&T (TS) also introduced a newly-procured 20-seater air-conditioned van for the comfortable tour of safari rides.

During his visit the Chief Secretary reviewed the working of the Zoo Park, besides flagging off the vehicles. With the introduction of latest e-vehicles the total number has gone up to 44, which the zoo authorities feel would ease some of the congestion problem during the weekends and holidays. Currently there are 38 vehicles in all of these vehicles along with the children of Government Primary School, Tadban, who enjoyed a round of the zoo.

According to zoo officials, the new vehicles were introduced on public demand and the new A/C 20-seater van meant for the safari rides would make the visitors comfortable, particularly during summer. "The visitors can have a safari ride in the van without any sweat and heat waves," informed the officials.

Taking a ride of the safari park along with the forest officials, the Chief Secretary appreciated the maintenance and the upkeep of park. During the ride, he recalled about his visit to the place while being an IAS probationary officer. Since then, he noted that the zoo has grown in size and has also got improved facilities for the visitors.

The Chief Secretary also inaugurated the newly-constructed booking counter at the toy train railway station close to the entrance. He also visited the mouse deer breeding facility at the zoo and appreciated the efforts of the officers in conserving the species.

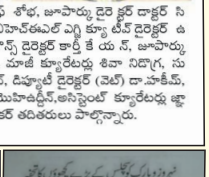
P Raghuveer, Principal Chief Conservator of Forests, Mumindra, Additional Principal Chief Conservator of Forests (Admin) & Dr Sidhanand Kukrety, Director, Zoo parks, CTO, accompanied him during his visit.

Lauding the efforts in bringing improvements, CS Shailendra Joshi said the zoo management was in forefront in making the NZP as the best zoo in the country and also doing ground-breaking work in the field of conservation, breeding of wild animals and educational activities.

Syed Maqsood Mohiuddin, Assistant Conservator of Forests, G Gopavardnar, M. Bhavani Shankar and Assistant Curators were present at the launching ceremony.

- 5 ten-seaters and one 14-seater launched
- A new 20-seater A/C van also introduced for safari rides
- CS Shailendra Kumar Joshi reviews zoo park working
- The Chief Secretary appreciates the improved facilities

జూలో పుట్టిన పులి పిల్లలకు నామకరణం



మన తెలంగాణ / రాజేంద్రనగర్ : నెహ్రూ జూలాజికల్ పార్కులో పుట్టిన పులి పిల్లలకు నామకరణం చేశారు. ఆదివారం జూపార్కులో ఏర్పాటు చేసిన కార్యక్రమంలో ఆడ పులి పిల్లకు 'తార' అని, మగ పులి పిల్లకు 'తేజస్' అని పేర్లు పెట్టారు. ఈ కార్యక్రమంలో జూపార్కు డైరెక్టర్ డాక్టర్ సి దానంద్ కుశె టి, బిహెచ్ఈఎల్ ఎగ్జి క్యూ టివ్ డైరెక్టర్ ఉదయ్‌కుమార్, లాకొన్స్ డైరెక్టర్ కార్తీ కే య న్, జూపార్కు క్యూరేటర్ క్షితిజ, మాజీ క్యూరేటర్లు శివా నిదొగ, సుభద్రాదేవి, శంకరన్, డిప్యూటీ డైరెక్టర్ (వెట్) డా హకీమ్, ఎసిఎఫ్ మక్బూల్ మొహిద్దీన్,అసిస్టెంట్ క్యూరేటర్లు జ్ఞా నేశ్వర్, భవాని శంకర్ తదితరులు పాల్గొన్నారు.

సింగోజీ పాండ్స్ వారధితో సత్ఫలితాలు



సింగోజీ పాండ్స్ వంతెన

బహదూర్‌పురా: వర్షానికి నెహ్రూ జూలాజికల్ పార్కు నిండి ప్రవహించటంతో సింగోజీ పాండ్స్ వద్ద నిర్మించిన వారధి, సఫారీ పార్కు నీటి బాసల్ వద్ద చేపట్టిన నిర్మాణాలు సత్ఫలితాలను ఇస్తున్నాయి. గత సంవత్సరం వర్షానికి సింగోజీ పాండ్స్‌తో పాటు సఫారీ, ఇతర పాండ్స్ జలమయమయ్యాయి. అటవీ శాఖ మంత్రి జోగు రామన్నతో జలమండలి అధికారులు, జీహెచ్ఎంసీ, ఇంజనీరింగ్ అధికారులు సమావేశమై చర్చించారు. సింగోజీ వద్ద ఎత్తైన నీటి బాసలను నిర్మించారు. ఇటీవల కురినన వర్షానికి నీరు నిలువ ఉండకుండా ప్రవహిస్తుంది. సింగోజీ పాండ్స్ వారధిని, సఫారీలోని నీటి బాసలను జూపార్కు ఏసీఎఫ్, ఆసిస్టెంట్ క్యూరేటర్‌లు బుధవారం పరిశీలించారు.



మౌస్ డీర్‌ల పునరుత్పత్తిలో

మేటిగా నెహ్రూ జూపార్క్

నాడు జూ డైరెక్టర్‌హోదాలో ప్రస్తుత రాష్ట్రమంత్రి శ్రీనివాసగౌడ్‌ను ఘనంగా సన్మానిస్తున్న దృశ్యం



NEHRU ZOOLOGICAL PARK

Layout Map



- Drinking Water
- Canteen
- Toilets
- Guest House

Map not to Scale



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