

Annual Report 2017-2018



Nehru Zoological Park, Hyderabad, Telangana

CONTENTS

S.No	Section	Page Number
1.	Report of the Officer-in-charge	3-4
2.	History of the Zoo	05
3.	Vision	05
4.	Mission	05
5.	Objective	05
6.	About us	6-8
7.	Organizational Chart	9-10
8.	Human Resources	10-11
9.	Capacity Building of the zoo personnel	12-13
10.	Zoo Advisory Committee	13
11.	Health Advisory Committee	13
12.	Statement of income and expenditure of the Zoo	14-15
13.	Daily feed Schedule of animals	16-29
14.	Vaccination Schedule of animals	30
15.	De-worming Schedule of animals	31
16.	Disinfection Schedule	32

S.No	Section	Page Number
17.	Health Check-up of employees for zoonotic diseases	32
18.	Development Works carried out in the zoo during the year	33-39
19.	Education and Awareness programmes during the year	40-42
20.	Important Events and happenings in the zoo	43-46
21.	Seasonal special arrangements for upkeep of animals	46-50
22.	Research Work carried out and publications	51
23.	Conservation Breeding Programme of the Zoo	52-53
24.	Animal acquisition / transfer / exchange during the year	54-55
25.	Rescue and Rehabilitation of the wild animals carried out by the zoo	56-57
26.	Annual Inventory of animals	58-72
27.	Mortality of animals.	73-76
28.	Status of the Compliance with conditions stipulated by the Central Zoo Authority	76
29.	List of free living wild animals within the zoo premises	76-82
30.	Annexure – I (Expenditure)	83-84

1. CURATOR'S MESSAGE

Another year has passed by as we continued our efforts of improving & developing the housing facilities for the Zoo inmates in Nehru Zoological Park, Hyderabad. This report is just an insight into what goes on in a zoo in a year. Learning the lessons from our experiences during past years, plans were prepared. Focus was laid on improving the housing facilities and their hygiene. Improved housing/ exhibits have led to improvement in the health of wildlife and their reproduction. Some of the new exhibits were constructed like exhibits for White Peafowl, Macaques etc. Emphasis was given on developing off exhibit Day Kraals for various species like the Macaques, Bears, four horned Antelopes, Barking deers, carnivores, Rhea etc. to ensure sufficient space for movement even when they are not released in the display exhibits. Several enclosures were strengthened by construction of retaining walls like elephant's enclosure, and stabilization of the islands as in the primate's zone.



An elevated pathway was constructed in front of the elephant enclosure which not only enhanced the visibility of the elephants to visitors but also became a point of attraction. Exhibit enrichment was done for Antelopes, blue-bulls, Carnivores Deers, Elephants etc., by strengthening of the exhibits, boulders, machans, sprinklers, waterfalls etc. Enrichment planting was taken up in the exhibits keeping in mind that the immersion concept. Hedge plantings were improved in the visitor area aesthetically to improve the visitor's experience. To prevent breaching of the zoo walls and hinder the view of safari for the public living adjoining the safari wall; sheets were fixed preventing the entry of garbage inside the safari.

Healthy environment ensures growth and reproduction and as a result, Zoo witnessed reproduction in many of the species during the year like the Himalayan Goral, striped Hyena, Thamin deer, Blue Gold Macaw, Chameleons, along with many other species. We also saw loss of certain animals due to sickness and aging. A cub rearing center was constructed to provide intensive care to the zoo babies which are weak, abandoned by their parents. A van for distribution of feed to the animals was procured. Major improvements have been done in Feed store, Veterinary hospital including Post Mortem facility in order to enhance the quality of life of the zoo inmates.

After the tremendous success of the **Conservation Breeding of the Indian Chevrotain (Mouse Deer)**, Nehru Zoological Park entered into the reintroduction phase and released the first lot in the soft release facility, in the ratio of 2:6 (male: female) in Amrabad Tiger Reserve, Telangana. These animals are doing well and are constantly being monitored by the Biologist from Nehru Zoological Park. Subsequently, few more groups of animals are released into the soft release facility. Final release into wild would follow once these animals are well adapted to the environment.

Fossil Museum was another noteworthy addition, where various geological samples including animals, plants, and rock samples are exhibited. Improved work plans have been revised for the forthcoming years involving all experts with respect to animal enclosures.

In the coming years, the focus will continue to be on providing best facilities to the zoo inmates, improved surveillance, landscaping and improvement of natural water channels flowing through the zoo.

Many successful animal rescue operations were conducted by our capable rescue team. Some of worth mentioning operations include rescue of Indian Gaur which had slipped into a deep well in a forest, and a Panther which had met with a railways accident. Our education and Awareness programs included in house and outreach activities where we targeted at educating the young minds and make them our "*voices for wildlife*".

There was no dearth of enthusiasm to provide best treatment to our wildlife. Constant efforts were made to make their life better during their stay in the Nehru Zoological Park. Our efforts paid well and resulted in increased visitation and we witnessed the highest income of all years through various activities. This helps us in maintaining the zoo in its better shape and invest further in the development and achieve goal of Wildlife Conservation.

Many have contributed to the betterment of the wildlife in the zoo park. Each year, we are able to witness new things, events which are inspiring and add to our experience that helps in focusing on the ways to make a difference in their lives. We thank the zoo staff for their dedicated efforts and support. We also thank all the adopters for their contribution towards conservation.

We are thankful to Sri **P.K. Jha**, I.F.S., PCCF (HoFF), Sri **Manoranjan Bhanja**, I.F.S., PCCF (Wildlife) & Chief Wildlife Warden, Telangana State for their constant support in developing the Nehru Zoological Park, Hyderabad. Our sincere thanks to **Dr. D.N. Singh** IFS, Member Secretary, Central Zoo Authority, New Delhi for his constant guidance and support which has helped us in taking care of all the aspects of the zoo management.

It remains a great privilege to be the Curator of Nehru Zoological Park and to lead this fantastic organization. Thank you to all our supporters.

SHIVANI DOGRA, I.F.S.,
CURATOR,
NEHRU ZOOLOGICAL PARK
HYDERABAD, TELANGANA STATE.

2. HISTORY OF THE ZOO

- Established in 1959
- Opened 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.

3. VISION

Educating the visitors to see the Zoo as scientific institution engaged in welfare and conservation of wildlife. Also to view the Zoo and knowledge centers for wildlife education, maintaining healthy ambience and pollution free environment.

4. 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.

5. 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 wide 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 aiming to achieve the above objectives.

6. 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	nehruzoo1@gmail.com , hydzo@rediffmail.com
8	Website	www.hyderabadzoo.com
9	Distance from nearest AIRPORT:	Rajiv Gandhi International Airport, Shamshabad, Hyderabad 20 kms
	RAILWAY STATION:	Hyderabad Deccan and Kachiguda, Hyderabad 8 kms approx.
	BUS STAND:	Mahatma Gandhi Central Bus station, Hyderabad 8 kms approx.
10	Recognition valid upto (Date)	30.10.2018, Evaluation done, Renewal awaited from CZA, New Delhi
11	Category of zoo	Large Zoo
12	Area (in Hectares)	154ha (380 ACRES)
13	Number of visitors (Financial year 2017-18)	ADULT: (M) 2169597 + (O) 39121 Total = 2208718 * M = MAIN ENTRANCE * O = ONLINE TICKETING
		CHILDREN: (M) 675303 + (O) 11570 Total = 686873 * M = MAIN ENTRANCE * O = ONLINE TICKETING
		TOTAL INDIAN: -
		TOTAL FOREIGNERS: -
		TOTAL VISITORS: 28,95,591 NOS.
14	Visitors' Facilities Available in Zoo	Battery Operated Vehicles, Toy Train, Bicycles, Safari, RO Drinking water, Rest

		Rooms, Wheel chairs, Wi-Fi etc. good footpaths, cloak room, Canteens, Amrutha Clinic, sit outs, pagodas 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	MS. SHIVANI DOGRA, IFS, CURATOR
	Name of the Veterinary Officer	DR. M.A. HAKEEM, ASST DIRECTOR (VET)
	Name of the Curator	MS. SHIVANI DOGRA
	Name of the Biologist	M. SANDEEP & B. LAXMI NARAYANA
	Name of the Education Officer	H.M. HANIFULLA
	Name of the Compounder/Lab Assistant	Sri T. VENKATESHWARLU, JVO
III. OWNER/OPERATOR OF THE ZOO		
17	Name of the Operator	Mr Ajay Mishra, IAS, Prl Secy, EFS&T Department, Telangana
18	Address of the Operator	Room no. 327A, D-Block, 2 nd Floor, Telangana Secretariat, Hyderabad
19	Contact details/Phone number of Operator	040-23453111 (O) 040 -23451440 (FAX)
20	E-mail address of Operator	prlsecy_efst@telangana.gov.in

VISITOR SERVICES:

The Nehru Zoological Park is open for public from Tuesday to Sunday (6 DAYS) all through the year and every Monday is a Zoo holiday. The tariff for entry into the Zoo has been enhanced from 1st April, 2017 onwards as per the decision taken by Zoo and Parks Authority of Telangana. The following are the timings and tariff details for entry into the Zoo and also for other facilities:

Timings of the Zoological Park:

April to June: 8.00 am to 5.30 pm

July to March: 8.30 am to 5.00 p.m (Last ticket is issued at 4.30 p.m)

Entry Fee and other charges:

S.No	Item/Particulars	Rate in Rs.
1	Entry into the Zoo a) Child b) Adult	20.00 35.00
2	Still Cameras a) Amateur b) Professional	25.00 (per day) 500.00
3	Video Cameras a) Amateur b) Professional	110.00 (per day) 500.00
4	Train ride a) Child b) Adult	5.00 15.00
5	Safari ride a) Child b) Adult	20.00 40.00
6	Nocturnal Animal House a) Child b) Adult	5.00 10.00
7	Green Ride (Battery Vehicles) a) Child b) Adult	30.00 50.00
8	Zoo Guest House (Rents during day only) For occupation 9.00 am to 5.30 pm	1000.00 for family of 5 members Rs. 500/- for every additional member

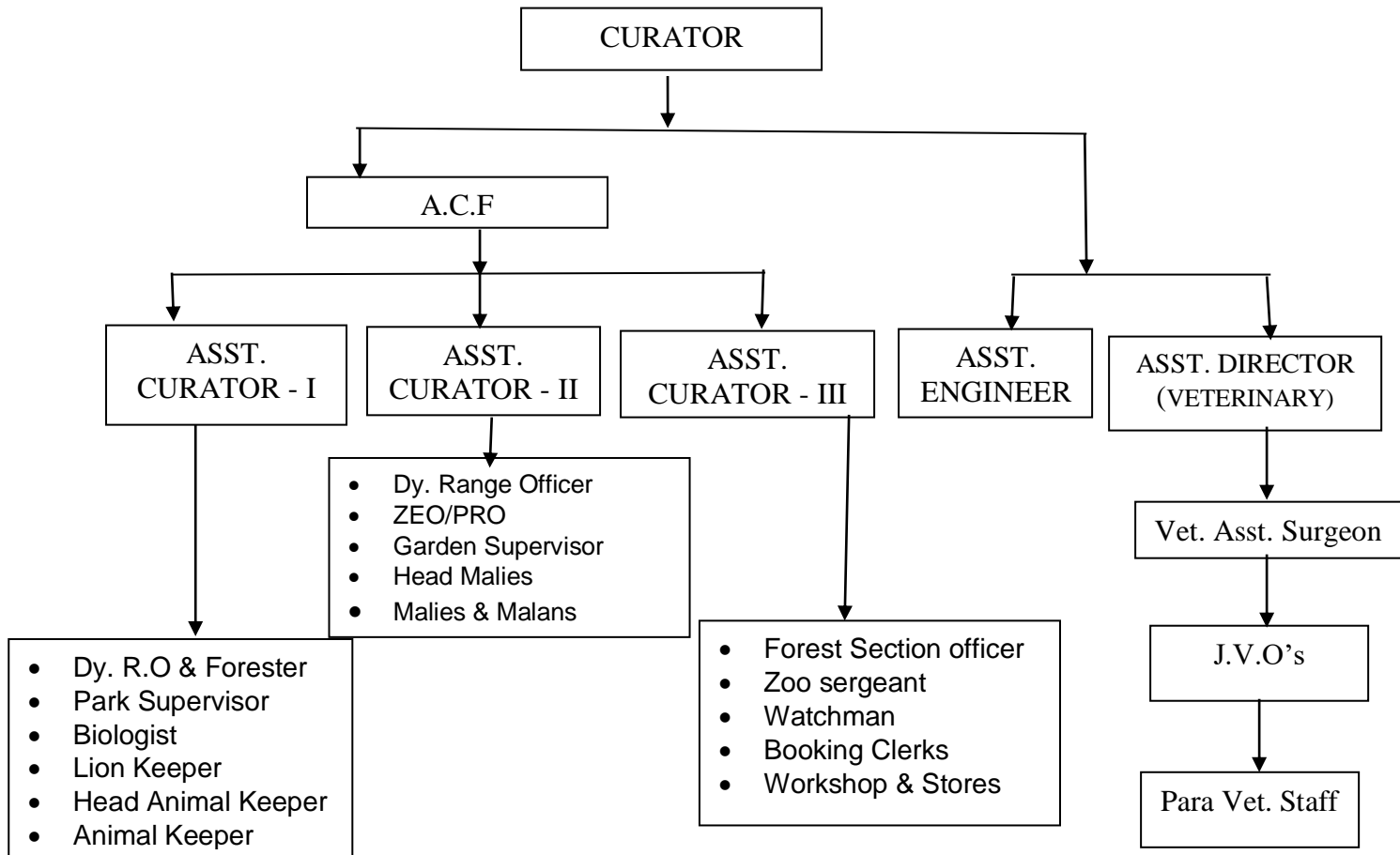
Other Amenities:

- 1) Canteen, Dairy Parlor and Food Court
- 2) Purified Water Units (R.O Units)
- 3) Rest Rooms
- 4) First Aid kits
- 5) Amrutha Clinic
- 6) Pagodas, Benches, Sit outs, footpaths
- 7) Wheel Chairs
- 8) Safari buses
- 9) Battery operated vehicles
- 10) Toy Train
- 11) Cycles



7) Organizational Chart

Nehru Zoological Park, Hyderabad is headed by Curator, who is an officer of the rank of Deputy Conservator of Forests (DCF), assisted by an Asst. Conservator of Forests, Forest Range Officers and the Veterinarians in day to day maintenance of the Zoo.

The zoo has three sections namely a) Animal Section b) Garden Section c) Watch and ward section. The animal healthcare is looked after by a veterinary section headed by Assistant Director, assisted by Veterinary Assistant Surgeon and Para Veterinary Staff.



The sanctioned strength of the staff is 231. There are 50 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.

	
Dr. M.A. Hakeem, Asst. Director (Vet)	Sri Syed Maqsood Mohiuddin Asst Conservator of Forest

			
Sri M. Laxman Forest Range Officer	Sri K. Janardhan Forest Range Officer	Sri G. Gnyaneshwar, Forest Range Officer	Sri J. Muralidhar, Forest Range Officer

8. Human Resources

Statement showing the sanctioned strength, persons working and no. of posts vacant in Nehru Zoological Park, Hyderabad as on 31.03.2018.

S. No.	Category of Post	Total No. of Posts Sanctioned	No. of persons working	No. of posts vacant
1	Curator	1	1	0
2	Asst. Conservator of Forests	1	1	0
3	Dy. Director (Vet)	1	0	1
4	Asst. Director (Vet)	1	1	0
5	Vety. Asst. Surgeon	1	1	0
6	Junior Veterinary Officer	2	1	1
7	Veterinary Assistant	2	0	2
8	Asst. Engineer / Work Supervisor	1	0	1
9	Record Assistant	2	2	0
10	Booking Clerk	5	1	4
11	Park Supervisor	1	1	0
12	Garden Supervisor	2	2	0
13	Electrician	1	1	0
14	Head animal Keeper	2	2	0
15	Head Mali	6	6	0
16	Carpenter	1	1	0
17	Fitter	2	1	1
18	Mason	2	1	1
19	Helper	2	2	0
20	Plumber	1	0	1
21	Lion Keeper	1	1	0
22	Gate Keeper	2	1	1
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	Labourer/ Mali	67	57	10
28	Swimming Pool Supervisor	1	0	1
29	Artist cum Care taker	1	0	1
30	Pool Worker	4	4	0
31	Accounts Officer	1	1	0

32	Superintendent	1	1	0
33	F.R.O/Asst. Curator	3	3	0
34	Dy. R. O	2	2	0
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	2	0
42	Animal Keeper	51	50	1
43	Watchmen	25	24	1
44	D.M. Grade - II	1	1	0
45	Zoo Attendant	10	0	10
TOTAL		231	181	48

FAREWELL:

During the year, the following staff members have got retired from the service on superannuation:



**Md. Ismail, Animal Keeper
30.06.2017**



**K. Janardhan, Forest Range Officer
30.11.2017**



**G. Satyanarayana, Watchman
31.03.2018**

Deaths:

C.T. Satyanarayana, Animal Keeper (12.08.2017).

9. 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.

1. Workshop on Tranquilizing and Physical Capture



One day workshop on Training for Tranquilizing and capturing of free ranging wild animals was conducted for the front-line staff of Telangana Forest Department in association with an NGO, The Wildlife tranqui force. The participants were exposed to handling of tranquilizing equipment's, followed by hands on exercise. Dr. M. Navin Kumar (Veterinarian) gave a demonstration on various drugs, use, precautions, and their administration on different kinds of animals. The participants were also



exposed to various methods and equipment's for physical capture of Carnivore and Herbivores. About 60 participants were participated in the workshop coming from different cadres like:- FRO, Dy. R.O, FSO, FBO and ABO.

2. **Workshop on Zoological Information Management System (ZIMS):**

A 2 days interactive session on Zoological Information Management System (ZIMS) and data entry in software, the session conducted by Sri. Moin Ahmed, Regional Coordinator, Species 360 from 8th to 9th May 2017.



Following were the participants:

1.	Nehru Zoological Park, Hyderabad.
2.	Arignar Anna Zoological Park, Vandaluru, Chennai.
3.	Madras Crocodile Bank, Mamallapuram.
4.	Indira Gandhi Zoological Park, Vishakapatnam.
5.	Sri. Venkateshwara Zoological Park, Tirupati.
6.	Bannergatta Biological Park, Bengaluru.
7.	Sri. Chamarajendra Zoological Gardern, Mysore.
8.	Pilikula Biological Park, Mangaluru.

10. **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.



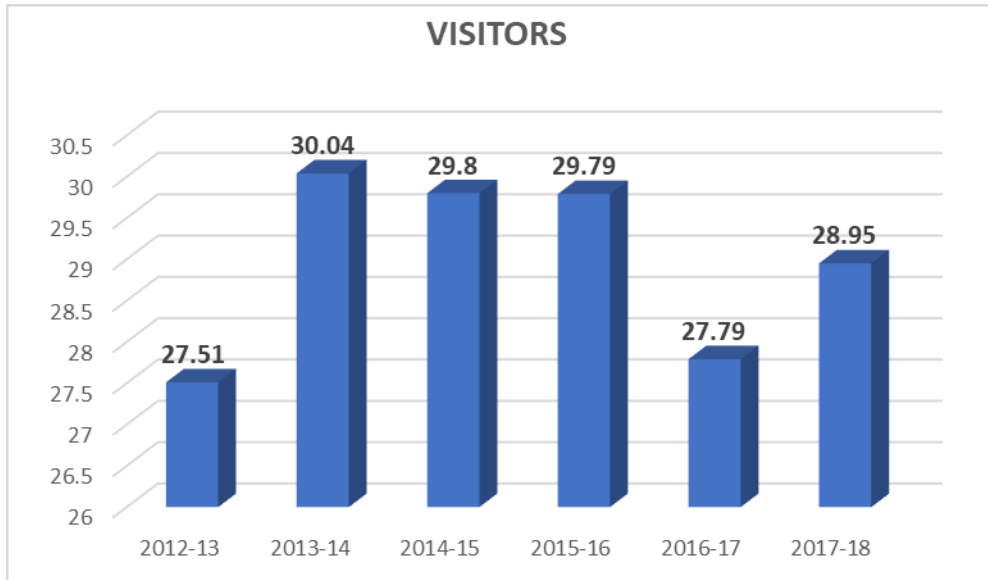
11. **HEALTH ADVISORY COMMITTEE**

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.

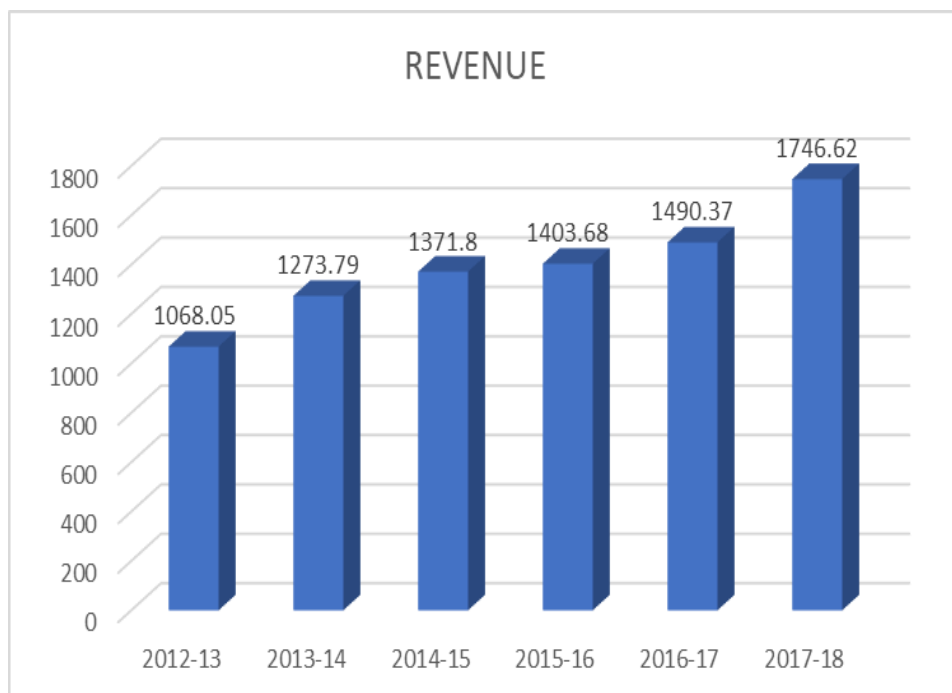
12. STATEMENT OF INCOME AND EXPENDITURE OF THE ZOO

The Zoo visitation and revenue from 2012-13 to 2017-18 is depicted below.

i) Visitation:



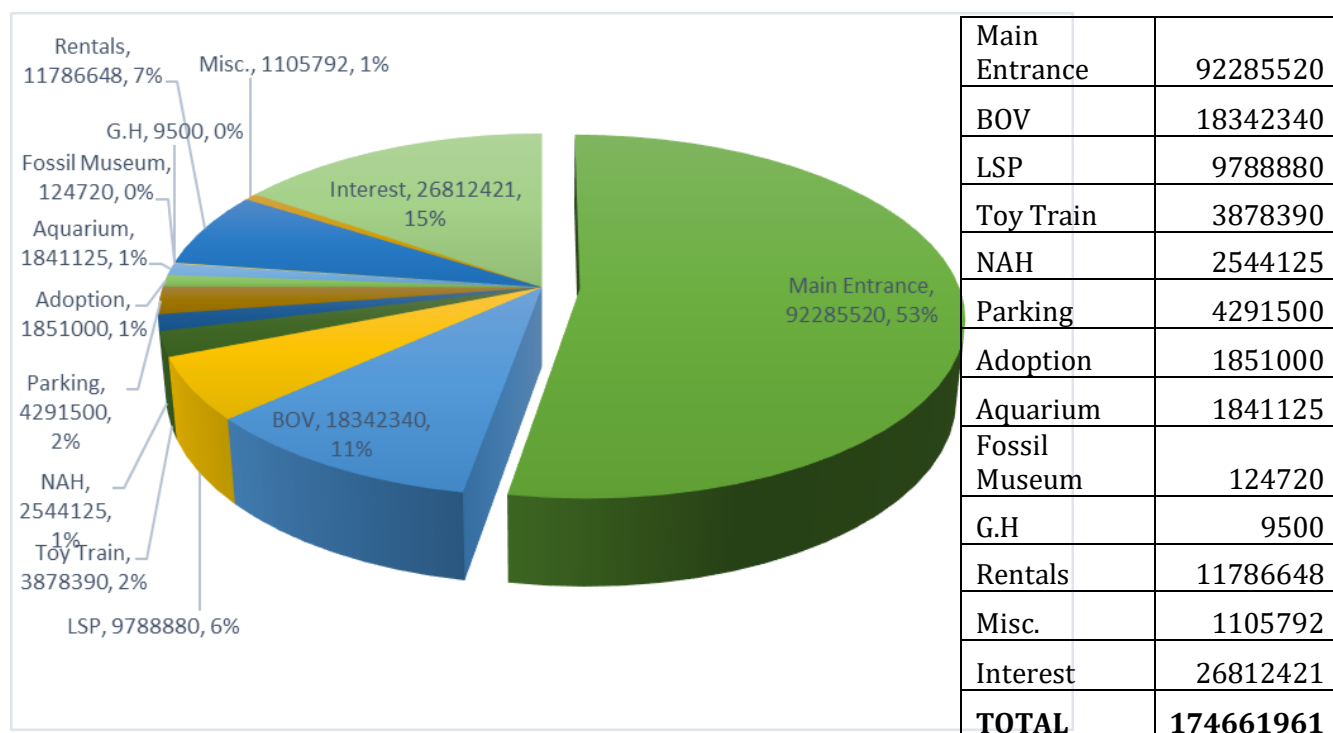
ii) Revenue:



FINANCIAL 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 2017 – 18 is **Rs. 1746.62 lakhs** the details of revenue component wise are as follows:



Year	Revenue	Expenditure in Rupees		Total Expenditure In Rupees
		Plan	Non - Plan	
2012 - 2013	10,68,05,132	1,83,38,056	11,18,67,708	13,02,05,764
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	24,19,92,655
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

Against the expenditure of **Rs.30,14,48,488/-** (Rupees Thirty crores Fourteen lakhs forty-eight thousand four hundred and eighty-eight only), the total Revenue realized during the year is **Rs. 17,46,61,961/-** (Rupees Seventeen crores forty-six lakhs sixty one thousand nine hundred and sixty one only). The details of expenditure during the year is listed in Annexure – I

13. DAILY FEED SCHEDULE OF ANIMALS

A good diet is an important key to the health of the animals. Feeding is one activity that imports every individual animal. Therefore, it is our priority to ensure that the Zoo residents are properly nourished. For this, a daily feed-schedule is followed strictly under the supervision of the veterinarians of the Zoo. A good diet helps in improving immunity and also reproduction. The feed schedule is modified depending on the requirement of individual animals in case they are sick, pregnant, lactating, old etc., Many times, the babies are abandoned by the parents in such situations, they are taken care by the team of veterinarians.

Feed Schedule:

1. 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 Potato	250 gms	-	
		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 Potato	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	Indian 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 Grey 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/Small cats	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	

2. 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. Jaggery	150 gms	-
3	Black Buck, Chowsinga	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 Stemps/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	-

3. 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 / Curriander	600 gms	-
		14. Guava	250 gms	-
		15. Sweet Potato	100 gms	-
		16. Kala Jamun / Ber / Sapota/Pomogranate/ Water Milon/Musk Milon / 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	-
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 Lungur, 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. Akhrot/Badam	Each one	-

4. 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	Large Pheasants & Peacocks	1. Poultry feed	150 gms	-
		2. Green Leaves / Palak / Lucerne	100 gms	-
		3. Meal Worms	100 gms	-
		4. Ground Nuts	10 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 Safflower seed	10 gms	-
		11. Sunflower Seed	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. Safflower Seed	10 gms	-
8	Love Birds, Cockatiel	1. Safflower 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. Honey	100 gms	-
		4. 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/ live fish	500 gms	-
12	Ducks	1. Duck Mixture	150 gms	-
13	All Storks, Ibis, Spoonbill, Herons	1. Dead Fish/live fish/ Fish Finger Lings	300 gms	-
		2. Bread(Spoon bill)	50 gms	-
14	King Fisher	1. Minced Meat, Fish	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. Akhrot/Badam	2 Nos	-
		3. Sunflower Seed	50 gms	-
		4. Red Chilli	10 gms	-
17	Eagles, Kites, Owls, and Other birds of	1. Minced meat	-	500 gms
		2. Day old chick (Each one)	1 No.	-

	Prey	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

5. Reptiles

Sl. No.	Name of the species	Feed item	Feed	
			Forenoon	Afternoon
1	Crocodiles a) Muggers b) Gharial c) Salt water			
		1. Beef pieces daily	500 gms	-
		2. Dead Fish	500 gms	-
		1. Live Fish	500 gms	-
		1. Live Fish	500 gms	-
		2. Dead Fish	500 gms	-
		3. 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.	-

6. VITAMINS, MINERALS AND FEED SUPPLEMENTS

Apart from feed, certain feed additives & nutrients are also given to the animals to improve the digestion, gut flora stabilizers, and to improve immunity towards negative impacts of environment.

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. Groviple powder daily in the water for all animals and birds.

14. VACCINATION SCHEDULE OF ANIMALS

S. No	Species	Disease vaccinated for	Name of the vaccine and dosage/quantity used	Periodicity	Remarks
1	To all Felines	Feline distemper	Feligen 1ml S/c or I/M	First vaccination at the age of 2 nd month (60 days) and booster vaccination 3 rd month (90 days) repeat once in a year	March
2	All Canines	Canine distemper, Adeno Virus 2, Parao Virus, Parainfluenza virus, Canine Leptospirosis.	CANIGEN DHPPil (7 in 1 vaccine) 1ml S/c or I/M	First vaccination at the age of 2 nd month (60 days) and booster vaccination 3 rd month (90 days) repeat once in a year	May
3	All Carnivores	Trypanosomiasis	Triquin 3ml	Once in a (6) months	June & December
4	Gaur, Barking Deer	Enterotoxaemia (E.T)	Enterotoxaemia (E.T) 2-3ml for small herbivores and 5ml for large herbivores.	Once in a (6) months	June & December (Endemic)
5	Herbivores	Hemorrhages septicemia	Hemorrhages Septicemia (Pasturellosis) 2-5ml	Once in a (6) months	April & October (Endemic)
6	Mega Herbivores (Elephant, Gaur)	Foot and Mouth Disease	Foot and Mouth Disease vaccine 5-10ml	Once in a (6) months	September and March (Endemic)

15. DE-WORMING SCHEDULE OF ANIMALS

S.No	Species	Drug Used	Month
1	Birds	Piperzine Liq. 37% Solution	January
2	Reptiles	Piperzine powder	January
3	Carnivores	Fenbendazole and Ivermectine	February
4	Herbivores	Albendazole and Ivermectine	March
5	Primates	Mebendazole	March
6	Reptiles	Piperzine powder	April
7	Birds	Piperzine Liq. 37% Solution	April
8	Carnivores	Fenbendazole and Ivermectine	May
9	Herbivores	Albendazole and Ivermectine	June
10	Primates	Mebendazole	June
11	Reptiles	Piperzine powder	July
12	Birds	Piperzine Liq. 37% Solution	July
13	Carnivores	Fenbendazole and Ivermectine	August
14	Herbivores	Albendazole and Ivermectine	September
15	Primates	Mebendazole	September
16	Reptiles	Piperzine powder	October
17	Birds	Piperzine Liq. 37% Solution	October
18	Carnivores	Fenbendazole and Ivermectine	November
19	Herbivores	Albendazole and Ivermectine	December
20	Primates	Mebendazole	December

16. DISINFECTION SCHEDULE:

Sl. No	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Herbivores and Carnivores	Wet Moat	Chlorination of water with Bleaching powder	Every 15 days
2	Carnivores	Night houses	Aciphor/Khorsolin 2% solution	Daily
3	Herbivores and Carnivores	Night houses	White wash (Kali ka Chunna)	Every (3) months
4	Herbivores and Carnivores	Water troughs	Slake lime pasting	Every (3) months
5	Herbivores	Kraals and enclosures	Sprinkling of lime and bleaching powder (3:1)	Every season
6	Herbivores and Carnivores	Night houses	Burning for pest control	Winter season
7	Nocturnal Animal House	Night houses	Burning for pest control	Winter season
8	Herbivores	Kraals	Butax spray 2% To prevent ticks, mites, flees whenever required	Rainy season and winter season

17. HEALTH CHECK -UP OF EMPLOYEES FOR ZONOTIC DISEASES

All Zoo staff were examined for Zoonotic diseases during 2017-18 (15-3-2018) and the results were negative for any kind of zoonotic disease amongst the staff. The staff members are suffering with general ailments, Diabetes, Hypertension and Cholesterol etc.



18. DEVELOPMENT WORKS TAKEN UP DURING THE YEAR

Different activities were taken up in various sections of the zoo to improve the experience of the animals and the visitors. Some of the works are as under:

Animal Section:

i) Development/ Enrichment in Animal Enclosures





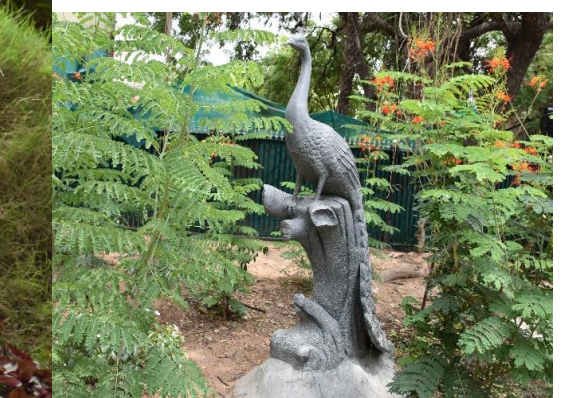


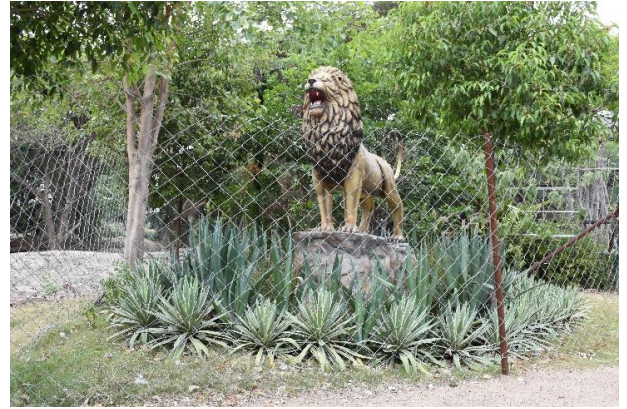
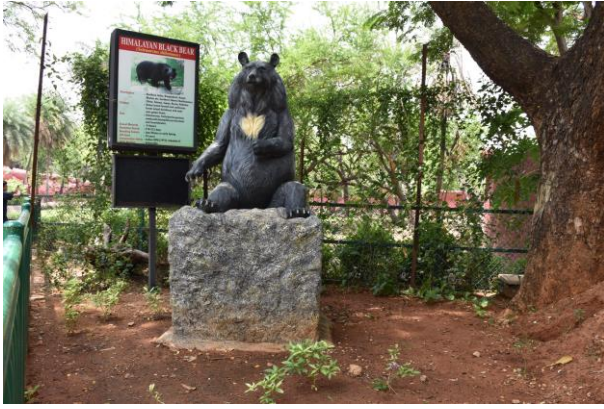


Veterinary Section:



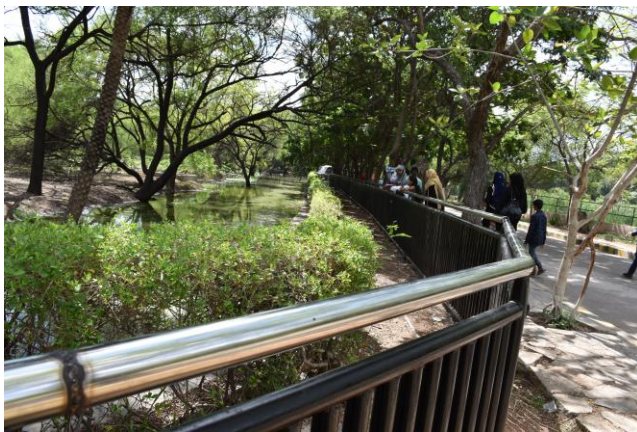
Garden Section:





Security Section:





19. EDUCATION AND AWARENESS ACTIVITIES DURING THE YEAR

World Environment Day was celebrated on 05.06.2017 and various activities that included quiz, painting, and drawing competitions with the theme '**connecting people to Nature**' were conducted.



distributed to the winners.

World Nature Conservation Day was celebrated on 28.07.2017 with the objective of embracing awareness about and protecting the natural resources that the earth is bestowed with. In this connection, drawing and essay writing competitions were conducted in the zoo with the visiting children and prizes were

International tiger's day was celebrated in collaboration with Hyderabad Tiger Conservation Society (**HYTICOS**) and wildlife conservation society (**WCS**). On the occasion, over 1400 students from 19 different schools participated in the educative games like animal bingo, conducting animal survey and matching tiger's stripes etc. There were poster presentations which covered various topics like why tiger, tiger ecology, studying tigers, counting tiger prey and volunteering opportunity.



Children's day was celebrated on 14.11.2017. Drawing and essay writing competition were conducted which included the themes like Forest, Ecosystem, Conservation. About 90 students participated in the competition.



World wetlands day was celebrated on 02.02.2018 to promote the importance of wetlands and the need for their conservation. A 105 Children from 5 schools and also from amongst the visitor's participated. Quiz, drawing and essay writing competitions were conducted.

To make the children understand the importance of wetlands especially in the **urban context**; Children were asked to draw the ponds and wetlands as per their interest and imagination which they did pretty well. The winners were rewarded with the prizes.



World wildlife day was celebrated on 3rd March, 2018 at Nehru Zoological Park, Hyderabad. To promote the importance of wildlife and education, Animal talk shows on Big cats as per the theme for this year “**Big cats – predators under threat**” were conducted.



The children were taken to the Big cat's enclosure and briefed about their Habits and Habitat, their life cycle, and their conservation status in Wild. Later, drawing and essay writing competitions were conducted for the children, and about (05) schools and interested children/ individuals among the visitors participated in the competitions. About 160 students participated in the above said competitions.

World Sparrow day was celebrated on 20.03.2018 at Nehru Zoological Park, Hyderabad with an objective of increasing awareness about the importance of the small and bush birds. In this connection about 100 Nos. sparrows Eco-friendly feed plates and water bowls were installed in the entire Zoo premises. In this programme about 160 students from TMREIS (Telangana Minorities Residential Educational Institutions Society), PARGI, Vikarabad District, Telangana State participated in the programme, the students along with their principal G. Janardhan Reddy, Installed the sparrows Eco-Friendly feed plates and water bowls at difference locations of Nehru Zoological Park, Hyderabad.

World Forestry day was celebrated on 21.03.2018 at Nehru Zoological Park, Hyderabad. On this occasion Sri P.K. Jha, I.F.S., Prl. Chief Conservator Forests (HoFF), Telangana State participated in the plantation program and planted plants in the fodder area of Nehru Zoological Park, Hyderabad.

World water day was celebrated on 22.03.2018 at Nehru Zoological Park, Hyderabad and promoted the need for conservation of Water, and other Natural Resources and how we can contribute in present times. Various education programs for conducted for Children and adults on the occasion.

20. IMPORTANT EVENTS AND HAPPENINGS IN THE ZOO

- a. The Nehru Zoological Park, Hyderabad, celebrated 3rd anniversary of **Telangana Formation day** on 02.06.2017.
- b. **Forest Martyr's Day** was commemorated on 11th Sept., 2017 in the Nehru Zoological Park. The Martyr's were paid tributes at the newly constructed Martyr's pylon by Sri. Jogu Ramanna, the Hon'ble Minister of EFS&T and BC Welfare, Telangana State, took the salute from the shok parade commander, Dr. Rajat Kumar, Prl. Secretary EFS&T, T.S., Sri. P.K. Jha, PCCF (HoFF), Dr. Manoranjan Bhanja, Chief Wildlife Warden, and other forest officials paid respects to the Martyr's.



Wildlife week celebration (02.10.2017 – 08.10.2017):

In order to celebrate the wildlife, wildlife week was celebrated with great enthusiasm by the zoo staff. Several activities were conducted to spread the message of conservation.



In order to motivate the staff and enhance the team spirit amongst the staff, **Sports** were conducted which included Kabaddi, chess, lemon n spoon, musical chairs and cricket. The highlight of the sports was the **Zoo Premier**

League, Season 1 (Cricket) in which, 4 teams from all the sections of zoo participated, which included:

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



Swachh Bharat programme was conducted on **02nd Oct, 2017** in collaboration with postal department were Sri. P.V.R Reddy post master general / senior superintendent of post offices and 50 employees of postal department and all zoo staff participated in the Swach Bharath programme.



Enclosures enrichment and maintenance Competition:

Best enclosure competition was conducted on various criteria of maintenance, and **“Reptile House”** enclosure won the 1st prize with the runner up Goral and Sambar enclosures.



Zoo Day Celebrations (06.10.2017):

Sri. S.P Singh, IAS, Chief Secretary Telangana State presided as the chief guest on the occasion and inaugurated Fossil park on 06.10.2017. Dr. Rajat Kumar, IAS, Principal Secretary EFS&T, Telangana State inaugurated the elevated pathway at elephant enclosure.

Sri. P.V.R Reddy post master general / senior superintendent of post offices, Hyderabad, T.S released a special postal cover of Indian Gaur and White Backed Vulture on the occasion.

Zoo brochure designed especially for the occasion was released by Sri. P.K. Jha, Prl. Chief Conservator of Forests (HoFF), T.S.

The program was concluded by distributing the Prizes to the winners who participated in various competitions conducted during the wildlife week by Dr. Rajat Kumar, IAS, Principal Secretary EFS&T, Telangana State, Sri. P.K. Jha, I.F.S., Prl. Chief Conservator of Forests (HoFF), T.S., Dr. Manoranjan Bhanja, I.F.S., Prl. Chief Conservator of Forests (CWLW), T.S.



21. SEASONAL SPECIAL ARRANGEMENTS FOR UPKEEP OF ANIMALS

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

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.

1. Arrangement of sprinklers and small rain guns in all enclosures.
2. Arrangement of Air Conditioner to the Cubs/ babies present in the Zoo Hospital.
3. Arrangement of Foggers in the Reptile House, Macaws, D. Bed and all Pheasantry and Aviary area in the Zoo Park.
4. Arrangement of all Bird Cages to cover with Thunga grass.

5. Providing shade net to the Duck Pond, Stork Pond area.
6. Arrangement of Coolers in Chimpanzee, all monkey area and Carnivore enclosures.
7. Arrangement of Air Conditioning, Exhaust Fan in the Nocturnal Animal House.
8. Shady Shelters was provided to all Herbivore enclosures.
9. Providing Summer Fruits like Water Melon, Musk Melon and Citrus Variety Fruits are provided to all Apes, Monkeys, Primates, Birds and Bears.
10. Providing ample quantity of protected water to all animal houses time to time to avoid De-hydration.
11. Providing Glucon-D, Electoral Powder, Vitamin-C supplements, B-Complex supplements and Thermo Care Liquid in the water to avoid summer stress (Veterinary Section).
12. Kashkash thattis are provided to all the Animal House enclosures to avoid direct sunlight exposure on the animals.
13. Atleast 3 to 4 times watering is done on the Kashkash thattis and thunga to avoid summer heat.
14. Thunga is provided on the top of all animal houses to avoid summer stress.
15. All Animal Keepers, Head Animal Keepers, Park Supervisors take preventive steps time to time to avoid summer stress to the wild animals, Birds and Reptiles etc.

Summer Arrangements:



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

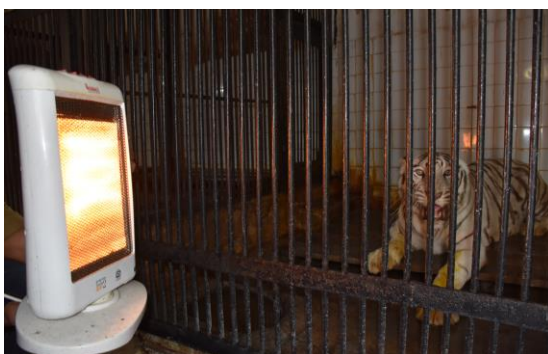
1. Sprinkling of lime and bleaching 3:1 ratio in all kraals and in and around the kraals for five days.
2. Cleaning of all animal night houses with Aciphor liquid or Khursolin liquid 2% solution.
3. Arranging phenyl/ KMnO_4 foot baths at Main Gate, Service gate and all animal house entries.
4. Removal of left over feed, fecal material and grasses daily basis to avoid contamination.
5. White wash of all night houses with Kali ka Chunna (Natural Lime) once in 3 months.
6. Bleaching of all wet moats once in 15 days. Bleaching 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 at least once in a month to avoid fungal contamination in the drinking water sources.
9. Supplying of Anti-bacterial powder (Bactrisol and Cosomix) 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

Winter season arrangements during the year at Nehru Zoological Park, Hyderabad of wild animal health care and to protect from winter season is as follows:

1. Arrangement of heaters in all Carnivore and Primate Night houses.
2. Protecting all the Carnivore night houses with gunny bags covering to avoid winter waves to protect from pneumonia disease.
3. All Bird night houses are covered with 50% top level with green cloth to protect from winter waves.
4. All bird night houses are provided with nest boxes particularly in the macaws and cockatoos area (50% nest boxes damaged in macaws and cockatoo's area).
5. Small monkeys like Squirrel Monkey and Golden Handed Tamarin Monkey night houses are provided with small wooden boxes with dry paddy straw, and heater.
6. In the reptile house all night houses are provided with dry leaves, bulbs, small Pots and Danes to protect themselves from wind.
7. In the Mouse Deer Breeding Centre, animal house are covered with green cloth on outer side and are provided with dry paddy straw in each animal night house to protect from winter waves.
8. Lion Safari night animal houses are provided with heaters.
9. Nocturnal Animal House Air conditioners are stopped for 3 months during winters (November, 2017 to January, 2018).
10. All Carnivores night houses are provided with wooden planks to avoid cramps in the foot region.



22. RESEARCH WORK CARRIED OUT AND PUBLICATIONS

1. B. Laxmi Narayana, M. Sandeep and Shivani Dogra. 2018. A new locality records for the Yellow-collared wolf snake, *Lycodon flavicollis* Mukherjee and Bhupathy 2007, from Hyderabad, Telangana, India. *IRCF Reptiles & Amphibians: Conservation and Natural History*. 21(1): 55-56.



2. B. Laxmi Narayana, M. Sandeep and H.M. Hanifulla. 2018. World wildlife day celebration at Nehru Zoological Park. *Zoo's Print*. 33(3): 47-48.



23. CONSERVATION BREEDING

MOUSE DEER CONSERVATION BREEDING:

Conservation Breeding of Mouse Deer (*Moschiola indica*) was started on 03.03.2010 with founder stock of 6 animals. By the end of March, 2013, the Mouse Deer number reached 35. Subsequently, two wild rescue male mouse deer were added to the breeding population to maintain the heterozygosity. Records pertaining to parentage, health, animal behaviour 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 for identification and monitoring purpose. Based on the genetic profiling done, the zoo biologist identified the mouse deers based on the factors of Heterozygosity, age and parentage for breeding and further release into the natural forest. Food diversification from captive to wild, i.e., feeding habits of these animals are maintained to suit the near natural conditions.

After the successful breeding, it was decided to enter into the Reintroduction phase and Soft release/re-introduction programme of Mouse Deer was started as per the CZA, New Delhi instructions. On 12.09.2017 (2:6:0) individuals, bred in captivity were released in the pre/ soft release site at Mannanur Range, Achampet Forest Division, Amrabad Tiger Reserve, Nagar Kurnool District, Telangana State. The site for reintroduction was decided after thorough study and reporting by the field officers, Forest Department. The IUCN guidelines were followed for reintroduction. As there were no specific records of similar species reintroduction, a plan for reintroduction and naturalization of the released animals was prepared by the Curator, Nehru Zoological Park, Hyderabad, and Zoo Biologist which gave a detailed account of the weaning off feed, and final release of the deers into the wild. Based on the experiences in the field, the plan was modified to suit the reintroduction and ensure success of the program. The Biologist is monitoring the activities of these animals like movement, feeding, mating etc at Reintroduction site regularly by way of direct sightings and indirect methods that include field surveys, data collection, fecal samples, foot prints, CCTV, camera traps etc. The animals have got well adapted to the natural habitat and hence, the First group of the animals from the soft release enclosure has been released successfully into the wild. Their movement is being monitored through the direct sightings camera traps, foot prints, droppings etc.

While we have started the soft release of mouse deers as a part of reintroduction, the conservation breeding still continues and these deers are breeding very well in captivity at Nehru Zoological Park, Hyderabad. By the end of March, 2017, the population of Mouse Deer was (101:120:10) Total 231 in captivity.

VULTURE CONSERVATION BREEDING:

Conservation Breeding Centre for White Backed Vultures (*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 behaviour 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 were 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 was recorded. Unfortunately, after 11 days chick was died due to Kidney failure, gull bladder enlarged.

During the year 2017-18 one egg was laid on 31.10.2017. Incubation period was noted about 85 days but egg is not hatched. Finally, it was concluded by the veterinarians that the egg was infertile. As we have not seen the hatching for quite some time even though egg laying is there, we have tried to invite the experts to give us advice on the measures for improving the breeding. We are also trying to procure through exchange, the above birds which could be kept for the conservation breeding. We are trying our best to provide all necessary facilities to the birds housed in the Conservation breeding centre and are hopeful of getting success.

24. ANIMAL ACQUISITION / TRANSFER/ EXCHANGE DURING THE YEAR

i) Acquisition during the year 2017-18

Sl. No	Name of the Animal	SEX				Received from	Date of arrival in the zoo
		M	F	U	TOT		
1	Lion Tailed Macaque	1	0	0	1	Received from Arignar Anna Zoological Park, Vandalur, Chennai, T.N in animal exchange programme	23.07.2017
2	Reticulated Python	1	1	0	2	Received from Arignar Anna Zoological Park, Vandalur, Chennai, T.N in animal exchange programme	23.07.2017
3	Salt Water Crocodile	1	1	0	2	Received from Alipore Zoological Garden, Kolkata, W.B in animal exchange.	02.11.2017
TOTAL		3	2	0	5		

ii) Disposal particulars for the year 2017-18

Sl. No	Name of the Animal	SEX				Going to	Date of Disposition from the zoo
		M	F	U	TOT		
1	Jungle Cat	1	1	0	2	Sent to Arignar Anna Zoological Park, Vandalur, Chennai in animal exchange programme.	20.07.2017
2	Mouse Deer	2	3	0	5	Sent to Arignar Anna Zoological Park, Vandalur, Chennai in animal exchange programme.	20.07.2017
3	Spotted Deer	5	6	0	11	Sent to Mancherial Division, Mancherial District, Telangana State.	26.07.2017
4	Mouse Deer	2	6	0	8	Sent to soft release in the wild at Pichhakuntla Cheruvu, Mannanur Range, Amrabad Forest, Nagarkurnool District, Telangana State.	12.09.2017

5	Asiatic Lion	1	1	0	2	Vishwas (M) and Shruthi (F) sent to Zoological Garden, Alipore, Kolkata in animal exchange programme.	26.10.2017
6	Jaguar	1	1	0	2	Arya (M) and Malala(F) were sent to Zoological Garden, Alipore, Kolkata in animal exchange programme.	26.10.2017
7	Mouse Deer	3	3	0	6	Sent to Zoological Garden, Alipore, Kolkata, W.B in animal exchange programme.	26.10.2017
8	Marsh Crocodile	10	12	2	24	Released in the wild (In Krishna River at Vijayawada).	26.10.2017
9	Spotted Deer	6	13	0	19	Sent to Sirpur Kagaznagar Forest, Adilabad District as feed for Tiger and its cubs.	14.12.2017
10	Spotted Deer	4	13	0	17	Sent to Kavval Tiger Reserve Forest, Mancherial District, Telangana.	05.01.2018
11	Spotted Deer	6	10	0	16	Sent to Kavval Tiger Reserve Forest, Jinnaram, Mancherial District, Telangana.	17.02.2018
13	Wild Boar	0	0	4	4	Released in the wild as it is carrier for Foot and Mouth Disease.	20.03.2018
14	Spotted Deer	5	12	0	17	Sent to Etur Nagaram Forest, Warangal, Telangana.	24.03.2018
TOTAL		46	81	6	133		

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

Sl. No.	Date of Rescue	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	05.09.2017	Sloth Bear	1	0	0	1	Received from FRO, Jangaon, Telagnana State with injuries.	05.09.2017	Nehru Zoological Park, Hyderabad	Injured
2	12.11.2017	Little Egret	0	0	4	4	Rescued by Forest Department, Telangana State.	12.11.2017	Nehru Zoological Park, Hyderabad	Injured
3	09.12.2017	Indian Black Ibis / Red Naped Ibis	0	0	2	2	Rescued by Forest Department, Telangana State.	09.12.2017	Nehru Zoological Park, Hyderabad	Injured
4	18.12.2018	Sulphur Crested Cockatoo	0	0	1	1	Received from Forest Department, Telangana State.	18.12.2018	Nehru Zoological Park, Hyderabad	Injured
5	09.01.2018	Panther	0	1	0	1	Rescued from Sirnapally (V), Indalvai (M), Nizamabad Forest area, which is worn out tail in train accidental injury and fore limb digit worn out under Rx and kept at Summer House Nehru Zoological Park, Hyderabad.	09.01.2018	Died on 17.01.2018 in Nehru Zoological Park, Hyderabad	Died
6	12.01.2018	Spotted Dove	8	10	0	18	Rescued by Forest Department, Telangana State.	12.01.2018	Nehru Zoological Park, Hyderabad	Injured

7	15.01.2018	Greater Egret	0	0	16	16	Rescued by Forest Department, Telangana State.	15.01.2018	Nehru Zoological Park, Hyderabad	Injured
8	20.01.2018	Grey Partridge/ Grey Francolin	0	0	3	3	Rescued by Forest Department, Telangana State.	20.01.2018	Nehru Zoological Park, Hyderabad	Injured
9	17.02.2018	Cattle Egret	0	0	4	4	Rescued by Forest Department, Telangana State.	17.02.2018	Nehru Zoological Park, Hyderabad	Injured
10	19.02.2018	Chowsingha	1	0	0	1	Rescued from Mokhila (V), Shankerpally, Gandipet (M), Ranga Reddy District and died on 03.03.2018.	19.02.2018	Nehru Zoological Park, Hyderabad	Died with injuries
11	20.02.2018	Rose Ringed Parakeet	5	7	0	12	Rescued by Forest Department, Telangana State.	20.02.2018	Nehru Zoological Park, Hyderabad	Injured
12	23.02.2018	Indian Gaur	1	0	0	1	Rescued from Panchikalalpeta (V), Atmakur (M), Warangal District and died on 28.03.2018.	23.02.2018	Died on 28.03.2018 Nehru Zoological Park, Hyderabad	Died with injuries
TOTAL			16	18	30	64				

26. ANNUAL INVENTORY OF ANIMALS

i) Endangered Species

Animals under schedule I&II of the Wildlife (Protection) Act, 1972

Sl. No.	Animal Name	Scientific name	Opening stock as on 01.04.2017				Births				Acquisition				Disposal				Death				Closing stock as on 31.03.2018				IUCN
			M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	
CARNIVORES																											
1	Ratel	<i>Mellivora capensis</i>	1	1	0	2				0				0				0				0	1	1	0	2	LC
2	Royal Bengal Tiger	<i>Panthera tigris tigris</i>	4	5	0	9				0				0				0				0	4	5	0	9	EN
3	Royal Bengal Tiger (White)	<i>Panthera tigris tigris</i>	9	3	0	12				0				0				0				0	9	3	0	12	EN
4	Indian Wolf	<i>Canis lupus pallipes</i>	1	1	0	2				0				0				0				0	1	1	0	2	LC
5	Smooth Indian Otter	<i>Lutra perspicillata</i>	1	1	0	2				0				0				0				0	1	1	0	2	VU
6	Jackal	<i>canis aureus</i>	5	2	0	7	1	1	0	2				0				0				0	6	3	0	9	LC
7	Leopard /Panther	<i>Panthera pardus</i>	6	2	0	8				0				0				0	1	0	0	1	5	2	0	7	VU

8	Leopard Cat	<i>Prionailurus bengalensis</i>	1	2	0	3				0				0					0	1	2	0	3	LC			
9	Common Palm Civet - Cat Toddy	<i>Paradoxurus hermaphroditus</i>	4	3	0	7				0				0					0	4	3	0	7	LC			
10	Himalayan Black Bear	<i>Ursus thibetanus</i>	3	5	0	8				0				0	1	0	0	1	2	5	0	7	VU				
11	Sloth Bear	<i>Melursus ursinus</i>	2	3	0	5				0	1	0	0	1					0	3	3	0	6	VU			
12	Malayan Sun Bear	<i>Helarctos malayanus</i>	0	2	0	2				0				0					0	0	2	0	2	VU			
13	African Cheetah	<i>Acinonyx jubatus</i>	2	1	0	3				0				0	1	0	0	1	1	1	0	2	VU				
14	Small Indian Civet	<i>Viverricula indica</i>	1	1	0	2				0				0					0	1	1	0	2	LC			
15	Indian Lion	<i>Panthera leo persica</i>	10	12	0	22				0				0	1	1	0	2	1	1	0	2	8	10	0	18	EN
16	Jungle Cat	<i>Felis chaus</i>	4	3	0	7	0	2	1	3				0	1	1	0	2			0	2	6	0	8	LC	
17	Fishing Cat	<i>Prionailurus viverrinus</i>	2	0	0	2				0				0						0	2	0	0	2	VU		
	TOTAL CARNIVORES		56	47	0	103	1	3	1	5	1	0	0	1	2	2	0	4	4	1	0	5	51	49	0	100	

HERBIVORES																														
1	Black Buck - Krishna Mrig	<i>Antilope cervicapra</i>	12	9	13	34	1	5	2	8							0				0	1	1	0	2	12	13	15	40	LC
2	Black Buck (Albino) (White)	<i>Antilope cervicapra</i>	2	1	0	3	0	1	0	1							0				0				0	2	2	0	4	LC
3	Deer Brow-Antlered - Sangai - Manipur	<i>Rucervus eldii eldii</i>	2	5	0	7	0	0	2	2							0				0	0	1	2	3	2	4	0	6	EN
4	Mouse Deer	<i>Moschiola Indica</i>	57	40	73	170	39	30	23	92							0	7	12	0	19	8	1	3	12	101	120	10	231	LC
5	Swamp Deer (Barasingha)	<i>Rucervus duvauceli</i>	0	1	0	1				0							0				0				0	0	1	0	1	VU
6	Indian Elephant	<i>Elephas maximus</i>	1	5	0	6				0							0				0				0	1	5	0	6	EN
7	Gaur - Indian Bison	<i>Bos frontalis gaurus</i>	5	3	0	8	0	1	0	1	1	0	0	1			0				0	2	1	0	3	4	3	0	7	VU
8	Four horned antelope / Chowsingha	<i>Tetracerus quadricornis</i>	3	4	0	7	0	0	6	6				0			0				0	0	0	1	1	3	4	5	12	VU

9	Rhinoce ros	<i>Rhinoce ros unicornis</i>	3	1	0	4				0				0				0			0	3	1	0	4	VU	
TOTAL HERBIVORES			85	69	86	240	40	37	33	110	1	0	0	1	7	12	0	19	11	4	6	21	128	153	30	311	

PRIMATES																											
1	Commo n Langur	<i>Semnopit hecus entellus</i>	2	1	1	4				0				0				0	0	0	1	1	2	1	0	3	LC
2	Bonnet Macaqu e	<i>Macaca radiata</i>	2	3	0	5				0				0				0			0	2	3	0	5	LC	
3	Lion- Tailed Macaqu e	<i>Macaca silenus</i>	0	1	0	1				0	1	0	0	1				0			0	1	1	0	2	EN	
4	Rhesus Macaqu e	<i>Macaca mulatta</i>	3	3	0	6				0				0				0			0	3	3	0	6	LC	
5	Pig Tailed Macaqu e	<i>Macaca leonina</i>	0	1	0	1				0				0				0			0	0	1	0	1	VU	
6	Stump Tailed Macaqu e	<i>Macaca arctoides</i>	0	1	0	1				0				0				0			0	0	1	0	1	VU	
7	Slow Loris	<i>Nycticebu s bengalen sis</i>	1	0	0	1				0				0				0	1	0	0	1	0	0	0	0	VU
TOTAL PRIMATES			8	10	1	19	0	0	0	0	1	0	0	1	0	0	0	0	1	0	1	2	8	10	0	18	

	Grey Francolin	<i>anus</i>																								
10	Rosy Pelican / White	<i>Pelecanus onocratalus</i>	2	2	2	6				0				0				0		0	2	2	2	6	LC	
11	Khalij Pheasant	<i>Lophura leucomelanos</i>	3	0	0	3				0				0	1	0	0	1	1	1	1	1	0	2	LC	
12	Black Necked Stork	<i>Ephippiorhynchus asiaticus</i>	1	1	0	2				0				0				0		0	1	1	0	2	NT	
13	Painted Stork	<i>Mycteria leucocephala</i>	10	7	2	19				0				0				0		0	10	7	2	19	NT	
14	Hill Myna	<i>Gracula religiosa</i>	1	0	0	1				0				0				0		0	1	0	0	1	LC	
15	American Comb Duck	<i>Sarkidiornis melanotos</i>	0	0	4	4				0				0				0		0	0	0	4	4	LC	
16	Grey Hornbill	<i>Ocyrceros birostris</i>	1	1	0	2				0				0				0		0	1	1	0	2	LC	
17	European/White Stork	<i>Ciconia ciconia</i>	0	0	1	1				0				0				0		0	0	0	1	1	LC	
18	Lesser Whistling Duck	<i>Dendrocygna javanica</i>	0	0	3	3				0				0				0		0	0	0	3	3	LC	
19	Large Whistling Duck	<i>Dendrocygna bicolor</i>	0	0	4	4				0				0				0		0	0	0	4	4	LC	
20	Northern Pin	<i>Anas acuta</i>	2	2	0	4				0				0				0		0	2	2	0	4	LC	

	Tail Duck																										
21	Common Teal / Eurasian Teal	<i>Anas crecca</i>	3	1	0	4				0				0					0	3	1	0	4	LC			
22	Garganey Teal	<i>Anas querquedula</i>	1	2	0	3				0				0					0	1	2	0	3	LC			
TOTAL BIRDS			67	78	25	170	5	6	8	19	0	0	3	3	0	0	0	0	4	3	0	7	65	86	34	185	
REPTILES																											
1	Chameleon Indian	<i>Chamaeleon zeylanicus</i>	1	2	0	3	0	0	18	18				0					0	1	2	18	21	LC			
2	Cobra Indian	<i>Naja naja</i>	2	8	0	10				0				0					0	2	8	0	10	LC			
3	King Cobra	<i>Ophiophagus hannah</i>	2	1	0	3				0				0					0	2	1	0	3	VU			
4	Black Cobra	<i>Naja naja oxiana</i>	0	0	3	3				0				0					0	0	0	3	3	DD			
5	Long Snouted Crocodile - Gharial	<i>Gavialis gangeticus</i>	1	6	0	7				0				0					0	1	6	0	7	CR			
6	Crocodile Marsh (Mugger)	<i>Crocodylus palustris</i>	17	13	18	48	14	18	0	32				0	10	12	2	24	0	1	0	1	21	18	16	55	VU

7	Salt Water Crocodile	<i>Crocodylus porosus</i>	1	0	0	1				0	1	1	0	2				0			0	2	1	0	3	LC
8	Indian Land Monitor Lizard	<i>Varanus bengalensis</i>	1	1	0	2				0				0				0			0	1	1	0	2	LC
9	Water Monitor Lizard	<i>Varanus salvator</i>	1	2	0	3				0				0				0			0	1	2	0	3	LC
10	Indian Rock Python	<i>Python molurus</i>	1	2	0	3	2	2	0	4				0				0			0	3	4	0	7	NT
11	Rat Snake / Dhaman	<i>Ptyas mucosus</i>	4	2	0	6				0				0				0			0	4	2	0	6	
12	Checkered Keelback Snake / Water Snake	<i>Xenochrophis piscator</i>	10	2	0	12				0				0				0			0	10	2	0	12	LC
13	Reticulated Python	<i>Broghamerus reticulatus</i>	0	1	0	1				0	1	1	0	2				0			0	1	2	0	3	VU
14	Fresh Water Turtle / Indian Soft	<i>Lissemys punctata punctata</i>	45	25	0	70				0				0				0			0	45	25	0	70	LC

5	Hippopotamus	<i>Hippopotamus amphibius</i>	1	2	0	3				0							0	0	1	0	1	1	1	0	2	VU		
6	Nilgai	<i>Boselaphus tragocamelus</i>	4	7	6	17	0	0	4	4							0	0	1	0	1	7	11	2	20	LC		
7	Wild Boar	<i>Sus scrofa</i>	0	0	4	4				0							0	0	0	4	4			0	0	0	LC	
8	Giraffe	<i>Giraffa camelopardalis</i>	1	0	0	1				0							0					0	1	0	0	1	VU	
9	Goral	<i>Naemorhedus goral</i>	1	1	0	2	0	1	0	1							0					0	1	2	0	3	NT	
	TOTAL HERBIVORES		95	64	96	255	33	114	9	156	0	0	0	0	26	54	4	84	1	2	0	3	105	127	92	324		
	FLYING MAMMALS																											
1	Flying Fox	<i>Pteropus giganteus</i>	0	0	17	17				0							0					0	0	0	17	17	LC	
	TOTAL FLYING MAMMALS		0	0	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	
	PRIMATES																											
1	Sacred Baboon	<i>Papio hamadryas</i>	3	2	0	5				0							0	2	0	0	2	1	2	0	3	LC		
2	Olive Baboon	<i>Papio cynocephalus</i>	1	0	0	1				0							0					0	1	0	0	1	LC	
3	Chimpanzee	<i>Pan troglodytes</i>	0	1	0	1				0							0					0	0	1	0	1	EN	
4	African Green Monkey	<i>Simia aethiops</i>	0	1	0	1				0							0					0	0	1	0	1	LC	
5	African Red Pattas Monkey	<i>Erythrocebus patas</i>	0	1	0	1				0							0					0	0	1	0	1	LC	
6	Squirrel Monkey	<i>Saimiri sciureus</i>	1	1	0	2				0							0					0	1	1	0	2	LC	
7	Golden Handed Tamarin Monkey	<i>Saguinus midas</i>	2	0	0	2				0							0	1	0	0	1	1	0	0	1	LC		
	TOTAL PRIMATES		7	6	0	13	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	4	6	0	10			

16	Emu	<i>Dromaius novaehollandiae</i>	0	3	16	19				0				0				0	6	10	3	19	LC
17	Greater Flamingo	<i>Phoenicopterus roseus</i>	2	0	2	4				0				0				0	2	2	0	4	LC
18	Red Spur Fowl	<i>Galloperdix spadicea</i>	1	2	0	3				0				0	0	1	0	1	1	1	0	2	LC
19	Harrier	<i>Circus macrourus</i>	1	0	0	1				0				0				0	1	0	0	1	NT
20	Grey Heron	<i>Ardea cinerea</i>	2	4	2	8				0				0				0	2	4	2	8	LC
21	White Ibis	<i>Theskiornis melanocephalus</i>	28	25	25	78	19	36	0	55				0				0	47	61	25	133	NT
22	Pariah Kite/ Black Kite	<i>Milvus migrans govinda</i>	3	4	0	7				0				0				0	3	4	0	7	LC
23	Duskey Lorikeet	<i>Pseudeos fuscata</i>	0	1	0	1				0				0				0	0	1	0	1	LC
24	Rainbow Lorikeet	<i>Trichoglossus moluccanus</i>	2	1	0	3				0				0				0	2	1	0	3	LC
25	Peach Faced Love Bird	<i>Agapornis roseicollis</i>	0	0	107	107				0				0				0	0	0	107	107	LC
26	Blue Masked Love Bird	<i>Agapornis personatus</i>	0	0	18	18				0				0				0	0	0	18	18	NT
27	Fishers Love Bird	<i>Agapornis fischeri</i>	0	0	18	18				0				0				0	0	0	18	18	NT
28	Yellow Love Bird	<i>Agapornis personatus</i>	0	0	10	10				0				0				0	0	0	10	10	LC
29	Green Winged Macaw	<i>Ara chloropterus</i>	1	1	0	2				0				0				0	1	1	0	2	LC
30	Blue Yellow Macaw	<i>Ara ararauna</i>	1	2	0	3	0	0	1	1				0				0	2	2	0	4	LC
31	Scarlet Macaw	<i>Ara macao</i>	1	1	0	2				0				0				0	1	1	0	2	LC
32	Purple Moorhen	<i>Porphyrio porphyrio</i>	0	0	4	4	0	0	2	2				0				0	2	2	2	6	LC
33	Ostrich	<i>Struthio camelus</i>	4	2	0	6				0				0				0	4	2	0	6	LC
34	Barn Owl	<i>Tyto alba</i>	0	0	4	4				0				0				0	0	0	4	4	LC

35	Brown Fish Owl	<i>Ketupa Zelonensis leschena</i>	2	0	0	2				0				0				0	2	0	0	2	LC
36	Mottled Wood Owl	<i>Strix ocellata</i>	1	1	0	2				0				0				0	1	1	0	2	LC
37	Alexandrine Parakeet	<i>Psittacula eupatria</i>	12	1	0	13				0				0				0	12	1	0	13	NT
38	Blossom Head Parakeet	<i>Psittacula roseata</i>	5	8	2	15				0				0				0	5	8	2	15	LC
39	Mustached Parakeet / Red Breasted Parakeet	<i>Psittacula alexandri</i>	3	2	0	5				0				0				0	3	2	0	5	NT
40	Rose Ringed Parakeet	<i>Psittacula krameri</i>	16	10	6	32	6	9	0	15	5	7	0	12				0	27	26	6	59	LC
41	Blue Winged Parakeet/ Malabar	<i>Psittacula columboides</i>	1	1	0	2				0				0				0	1	1	0	2	LC
42	Timneh Grey Parrot	<i>Psittacus timneh</i>	1	1	0	2				0				0				0	1	1	0	2	EN
43	African Grey Parrot	<i>Psittacus erithacus</i>	1	2	0	3				0				0				0	1	2	0	3	EN
44	Grey Pelican / Spot Billed Pelican	<i>Pelecanus philippensis</i>	4	4	0	8	1	1	2	4				0				0	5	5	2	12	NT
45	Golden Pheasant	<i>Chrysolophus pictus</i>	2	5	0	7				0				0	0	3	0	3	2	2	0	4	LC
46	Lady Amhrest Pheasant	<i>Chrysolophus amherstiae</i>	3	3	0	6				0				0	0	1	0	1	3	2	0	5	LC
47	Silver Pheasant	<i>Lophura nycthemera</i>	8	20	0	28				0				0	0	1	0	1	8	19	0	27	LC
48	Ring Necked Pheasant	<i>Phasianus colchicus</i>	1	1	0	2				0				0				0	1	1	0	2	LC
49	Reeves Pheasant	<i>Syrmaticus reevesii</i>	0	1	0	1				0				0				0	1	0	0	1	VU
50	Eastern Rosella	<i>Platycercus eximius</i>	0	1	0	1				0				0				0	0	1	0	1	LC
51	Shikra	<i>Accipiter badius</i>	3	0	0	3				0				0				0	3	0	0	3	LC

52	White Necked Stork / Woolly Necked Stork	<i>Ciconia episcopus</i>	0	0	2	2				0					0	1	0	0	1	0	0	1	1	VU
53	Egyptian Vulture / Scavenger	<i>Neophron percnopterus</i>	1	0	0	1				0					0	1	0	0	1	0	0	0	0	EN
54	White Back Vulture	<i>Gyps bengalensis</i>	7	4	0	11				0					0				0	7	4	0	11	CR
55	Zebra Finch	<i>Poephila guttata</i>	17	15	0	32				0					0				0	17	15	0	32	LC
56	Budgerigar	<i>Melopsittacus undulatus</i>	0	0	14	14	0	6	4	10					0				0	10	10	4	24	LC
57	Purple Heron	<i>Ardea purpurea</i>	2	3	0	5				0					0				0	2	3	0	5	LC
58	Eclectus Parakeet	<i>Eclectus roratus</i>	1	1	0	2				0					0				0	1	1	0	2	LC
59	Rhea	<i>Rhea americana</i>	2	0	0	2				0					0				0	1	1	0	2	NT
60	Indian Sand Grouse	<i>Pterocles oxustus</i>	1	2	0	3				0					0				0	1	2	0	3	LC
61	Java Sparrow	<i>Padda oryzivora</i>	10	10	0	20				0					0				0	10	10	0	20	VU
62	House Sparrow	<i>Passer domesticus</i>	1	1	0	2				0					0				0	1	1	0	2	LC
63	White Dove	<i>Zenaida asiatica</i>	4	5	0	9	0	0	4	4					0				0	4	5	4	13	LC
64	Brown Quail	<i>Synoicus ypsilophora</i>	0	0	8	8				0					0				0	0	0	8	8	LC
65	Little Cormorant	<i>Phalacrocorax niger</i>	2	2	0	4				0					0				0	2	2	0	4	LC
66	Turaco	<i>Various sps (Turaco)</i>	1	1	0	2				0					0				0	1	1	0	2	
67	Spotted Dove	<i>Streptopelia chinensis</i>	0	0	2	2	7	9	0	16	8	10	0	18					0	15	19	2	36	LC
68	Pond Heron	<i>Ardeola Grayii</i>	2	2	0	4				0					0				0	2	2	0	4	LC
69	Black Crowned Night Heron	<i>Nycticorax nycticorax</i>	2	2	0	4				0					0				0	2	2	0	4	LC
70	White Breasted Waterhen	<i>Amauornis phoenicurus</i>	0	0	4	4				0					0				0	0	0	4	4	LC

71	Indian Black Ibis/ Red Naped Ibis	<i>Pseudibis papillosa</i>	0	0	0	0				0	0	0	2	2					0			0	0	0	2	2	LC
72	Greater Egret	<i>Ardea alba</i>	0	0	0	0				0	0	0	16	16					0			0	0	0	16	16	LC
73	Little Egret	<i>Egretta garzetta</i>	0	0	0	0				0	0	0	4	4					0			0	0	0	4	4	LC
74	Cattle Egret	<i>Bubulcus ibis</i>	0	0	0	0				0	0	0	4	4					0			0	0	0	4	4	LC
TOTAL BIRDS			196	197	270	663	33	61	24	118	13	17	27	57	0	0	0	0	4	8	0	12	262	285	277	824	
REPTILES																											
1	Spectacled Caiman	<i>Caiman crocodilus</i>	0	0	2	2				0				0					0			0	0	0	2	2	LC
2	Russel's Viper	<i>Daboia russelii</i>	1	1	0	2				0				0					0			0	1	1	0	2	LC
3	Common Krait	<i>Bungarus caeruleus</i>	4	3	0	7				0				0					0			0	4	3	0	7	LC
4	Sand Boa	<i>Gongylophis conicus</i>	1	1	6	8				0				0					0			0	1	1	6	8	NT
5	Whitaker's Sand Boa	<i>Eryx whitakeri</i>	0	1	0	1				0				0					0			0	0	1	0	1	VU
6	Green Vine Snake	<i>Ahaetulla nasuta</i>	5	4	0	9				0				0					0			0	5	4	0	9	LC
7	Green Iguana	<i>Iguana iguana</i>	7	4	0	11	0	0	5	5				0					0			0	7	4	5	16	LC
8	Tortoise Aldabra / Giant	<i>Aldabrachelys gigantea</i>	2	0	0	2				0				0					0			0	2	0	0	2	VU
9	Indian Star Tortoise	<i>Geochelone elegans</i>	0	0	10	10				0				0					0			0	0	0	10	10	VU
10	Red Eared Terrapin	<i>Trachemys scripta elegans</i>	0	0	29	29				0				0					0			0	0	0	29	29	LC
11	Common Mongoose	<i>Herpestes edwardsii</i>	2	2	0	4				0				0					0			0	2	2	0	4	LC
TOTAL REPTILES			22	16	47	85	0	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0	22	16	52	90	
GRAND TOTAL			329	293	432	1054	66	175	38	279	13	17	27	57	27	55	4	86	9	10	0	19	401	444	438	1283	

27. MORTALITY OF ANIMALS

Sl. No.	Animal Name	Scientific name	Sex	Date of Death	Reason of death as per the post-mortem report
1	Sambar Deer	<i>(Rusa unicolor)</i>	M	08.04.2017	Death due to "Respiratory failure" associated with old age and senility.
2	Leopard / Panther Chanti)	<i>(Panthera pardus)</i>	M	22.04.2017	Death is due to old age & senility associated with obesity.
3	Mouse Deer	<i>(Moischiola indica)</i>	M	22.04.2017	Infighting injury severe trauma shock and death.
4	Brahmini Duck	<i>(Tadorna ferruginea)</i>	F	28.04.2017	Tentatively the cause of death is due to cirrhosis of liver.
5	African Cheetah (Monk)	<i>(Acinonyx jubatus)</i>	M	10.05.2017	Cause of death may be due to Respiratory failure & nephritis associated with paraplegia of hind legs.
6	Mouse Deer	<i>(Moischiola indica)</i>	M	16.05.2017	Severe trauma, haemorrhages, shock and death.
7	Demoiselle Crane	<i>Grus virgo</i>	M	23.05.2017	Death due to shock.
8	Striped Hyena (Mahesh)	<i>Hyaena hyaena</i>	M	24.05.2017	Internal bleeding, internal haemorrhages shock and death.
9	Mouse Deer	<i>Moischiola indica</i>	M	17.06.2017	Severe haemorrhages, trauma shock and death.
10	Slow Loris	<i>Nycticebus coucang</i>	M	27.06.2017	Cause of death could be due to "Pyrexia - Pulmonary collapse.
11	Black Buck	<i>Antilope cervicapra</i>	M	11.07.2017	Cause of death due to Septicemia diagnosed as "Enterotoxaemia".
12	Egyptian Vulture	<i>Neophron percnopterus</i>	M	20.07.2017	Could not be ascertained due to all viseral organs are eaten by rodents.
13	Marsh Crocodile/ Mugger	<i>Crocodylus palustris</i>	F	25.07.2017	Cause of death could not be ascertained due to highly putrifaction of all vital organs.
14	Himalayan Black Bear (Shinu)	<i>Ursus thibetanus</i>	M	30.07.2017	Hepatitis/Pneumonia/heart failure
15	Mouse Deer	<i>Moischiola indica</i>	F	30.07.2017	Internal haemorrhages shock and death.
16	Golden Handed Tamarin Monkey (Suman)	<i>Saguinus midas</i>	M	16.08.2017	Death due to Enteritis, Septicemia.
17	Mute Swan	<i>Cygnus olor</i>	F	18.08.2017	Death due to cirrhosis of liver.

18	Mouse Deer	<i>Moischiola indica</i>	M	19.08.2017	Internal haemorrhages severe trauma.
19	Indian Gaur (Surya)	<i>Bos gaurus</i>	M	19.08.2017	Death due to respiratory failure.
20	Indian Gaur (Anitha)	<i>Bos gaurus</i>	F	27.08.2017	Tentatively the death due to pulmonary failure.
21	Sacred Baboon(Shiva)	<i>Papio hamadryas</i>	M	27.08.2017	Death due to multiple organs failure associated with old age senility.
22	Silver Pheasant	<i>Lophura nycthemera</i>	F	02.09.2017	Hepatic insufficiency.
23	Mouse Deer	<i>Moischiola indica</i>	M	18.09.2017	Severe trauma haemorrhages shock and death.
24	Indian Peafowl	<i>Pavo cristatus</i>	M	21.09.2017	Severe woes out muscles at both legs, neck and head absent severe trauma, shock and death.
25	Indian Peafowl	<i>Pavo cristatus</i>	F	21.09.2017	Severe deep inseed injury wornout feathers and skin severe trauma, bled to death shock and death.
26	Indian Peafowl	<i>Pavo cristatus</i>	M	21.09.2017	Severe deep-seated injuries worn out muscles portion bleeding, trauma shock and death.
27	Indian Peafowl	<i>Pavo cristatus</i>	F	21.09.2017	Severe deep injuries by predator attack trauma bled and shock and death.
28	Indian Peafowl	<i>Pavo cristatus</i>	F	21.09.2017	Severe deep insied injuries worn out muscle portion of head and neck and thigh, feather's bleeding trauma shock and death.
29	Indian Peafowl	<i>Pavo cristatus</i>	M	21.09.2017	Severe deep inseed injury wornout defferent part of muscle, skeleton trauma shock and death.
30	Mouse Deer	<i>Moischiola indica</i>	M	25.09.2017	Pneumonia
31	Asiatic Lion (Ajay)	<i>Panthera leo persica</i>	M	26.09.2017	Nephritis with pulmonary emphysema.
32	Woolly White Stork/ White Neck Stork	<i>Ciconia episcopus</i>	M	26.09.2017	Death due to shock.
33	Mouse Deer	<i>Moischiola indica</i>	M	21.10.2017	Septicemia
34	Black Buck	<i>Antilope cervicapra</i>	F	21.10.2017	Dystochia

35	Khalij Pheasant	<i>Lophura leucomelanos</i>	M	02.11.2017	Septicemia
36	Sacred Baboon	<i>Papio hamadryas</i>	M	07.11.2017	Death may be due to shock caused by trauma.
37	Hippopotamus (Hina)	<i>Hippopotamus amphibius</i>	F	08.11.2017	Severe pneumonia and enteritis.
38	Deer Brow-Antlered - Sangai - Manipur / Thamin Deer	<i>Rucervus eldii eldii</i>	U	15.11.2017	Death due to weakling.
39	Asiatic Lion (Maheshmati)	<i>Panthera leo persica</i>	F	18.11.2017	Not confirmed waiting for Laboratory and Forensic report
40	Mouse Deer	<i>Moischiola indica</i>	M	22.11.2017	Infighting injury.
41	Nilgai	<i>Boselaphus tragocamelus</i>	F	23.11.2017	Epilepsy
42	Mouse Deer	<i>Moischiola indica</i>	M	29.11.2017	Infighting injury.
43	Common Langur (Young One)	<i>Semnopithecus entellus</i>	F	22.12.2017	Pneumonia.
44	Golden Pheasant	<i>Chrysolophus pictus</i>	F	31.12.2017	Cirrhosis of liver.
45	Deer Brow-Antlered - Sangai - Manipur / Thamin Deer	<i>Rucervus eldii eldii</i>	U	25.01.2018	Death due to haemorrhages in lungs, pulmonary syncope.
46	Deer Brow-Antlered - Sangai - Manipur / Thamin Deer	<i>Rucervus eldii eldii</i>	F	16.02.2018	Infighting injuries and internal haemorrhages.
47	Red Spur Fowl	<i>Galloperdix spadicea</i>	F	16.02.2018	Infighting injuries.
48	Mouse Deer	<i>Moischiola indica</i>	M	20.02.2018	Internal haemorrhages, trauma and shock.
49	Mouse Deer	<i>Moischiola indica</i>	U	20.02.2018	Severe trauma, internal haemorrhages and shock.
50	Four Horned Antelope / Chowsingha	<i>Tetracerus quadricornis</i>	F	03.03.2018	Uterine torsion and ureamia, shock and death.
51	Sun Conure	<i>Aratinga solstitialis</i>	M	06.03.2018	Internal haemorrhages shock and death.
52	Golden Pheasant	<i>Chrysolophus pictus</i>	F	06.03.2018	Kidney failure i.e. Nephritis.

53	Golden Pheasant	<i>Chrysolophus pictus</i>	F	09.03.2018	Hepatic insufficiency i.e. Cirrohsis of liver.
54	Lady Amherest Pheasant	<i>Chrysolophus amherstiae</i>	F	27.03.2018	Pulmonary shock.
55	Indian Gaur	<i>Bos gaurus</i>	M	28.03.2018	Severe muscle trauma, internal haemorrhages associated with septicemia.

28. 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.

29. LIST OF FREE LIVING WILD ANIMALS WITHIN THE ZOO PREMISES

Mammals

Sl.No	Common name	Scientific name
1	Indian Flying Fox	<i>Pteropus giganteus</i>
2	Indian Grey Mongoose	<i>Herpestes javanicus</i>
3	Black Naped Hare	<i>Lepus nigricollis</i>
4	Indian Pangolin	<i>Manis crassicaudata</i>
5	Asian Palm Civet	<i>Paradoxurus hermaphroditus</i>
6	Three Striped Palm Squirrel	<i>Funambulus palmarum</i>
7	Spotted Deer	<i>Axis axis</i>

Birds

Sl.No	Common name	Scientific name
1	Little Grebe	<i>Tachybaptus ruficollis</i>
2	Little Cormorant	<i>Phalacrocorax niger</i>
3	Indian Shag	<i>Phalacrocorax fuscicollis</i>
4	Large Cormorant	<i>Phalacrocorax carbo</i>
5	Oriental Darter	<i>Anhinga melanogaster</i>
6	Little Egret	<i>Egretta garzetta</i>
7	Great Egret	<i>Egretta alba</i>
8	Intermediate Egret	<i>Egretta intermedia</i>
9	Grey Heron	<i>Ardea cinerea</i>

10	Purple Heron	<i>Ardea purpurea</i>
11	Eastern Cattle Egret	<i>Bubulcus coromandus</i>
12	Indian Pond-heron	<i>Ardeola grayii</i>
13	Black-crowned Night-heron	<i>Nycticorax nycticorax</i>
14	Yellow Bittern	<i>Ixobrychus sinensis</i>
15	Chestnut Bittern	<i>Ixobrychus cinnamomeus</i>
16	Black Bittern	<i>Ixobrychus flavicollis</i>
17	Painted Stork	<i>Mycteria leucocephala</i>
18	Asian Openbill	<i>Anastomus oscitans</i>
19	Black-headed Ibis	<i>Threskiornis melanocephalus</i>
20	Indian Black Ibis	<i>Pseudibis papillosa</i>
21	Lesser Whistling-duck	<i>Dendrocygna javanica</i>
22	Cotton Teal	<i>Nettapus coromandelianus</i>
23	Indian Spot-billed Duck	<i>Anas poecilorhyncha</i>
24	Northern Shoveller	<i>Anas clypeata</i>
25	Northern Pintail	<i>Anas acuta</i>
26	Oriental Honey Buzzard	<i>Pernis ptilorhynchus</i>
27	Black-winged Kite	<i>Elanus caeruleus</i>
28	Black Kite	<i>Milvus migrans</i>
29	Black-eared Kite	<i>Milvus lineatus</i>
30	Brahminy Kite	<i>Haliastur indus</i>
31	Crested Serpent-Eagle	<i>Spilornis cheela</i>
32	Marsh Harrier	<i>Circus aeruginosus</i>
33	Indian Shikra	<i>Accipiter badius</i>
34	Bonelli's Eagle	<i>Hieraaetus fasciatus</i>
35	Booted Eagle	<i>Hieraaetus pennatus</i>
36	Crested Hawk-Eagle	<i>Spizaetus cirrhatus</i>
37	Common Kestrel	<i>Falco tinnunculus</i>
38	Painted Francolin	<i>Francolinus pictus</i>
39	Grey Francolin	<i>Francolinus pondicerianus</i>
40	Rain Quail	<i>Coturnix coromandelica</i>
41	Rock Bush Quail	<i>Perdicula argoondah</i>
42	Indian Peafowl	<i>Pavo cristatus</i>
43	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>
44	Purple Swamp hen	<i>Porphyrio porphyrio</i>

45	Common Moorhen	<i>Gallinula chloropus</i>
46	Eurasian Coot	<i>Fulica atra</i>
47	Pheasant-tailed Jacana	<i>Hydrophasianus chirurgus</i>
48	Bronze-winged Jacana	<i>Metopidius indicus</i>
49	Painted Snipe	<i>Rostratula benghalensis</i>
50	Yellow-wattled Lapwing	<i>Vanellus malabaricus</i>
51	Red-wattled Lapwing	<i>Vanellus indicus</i>
52	Common Snipe	<i>Gallinago gallinago</i>
53	Common Greenshank	<i>Tringa nebularia</i>
54	Wood Sandpiper	<i>Tringa glareola</i>
55	Common Sandpiper	<i>Actitis hypoleucos</i>
56	Little Stint	<i>Calidris minuta</i>
57	Black-winged Stilt	<i>Himantopus himantopus</i>
58	Indian Stone-curlew	<i>Burhinus indicus</i>
59	Black-headed Gull	<i>Larus ridibundus</i>
60	River Tern	<i>Sterna aurantia</i>
61	Chestnut-bellied Sandgrouse	<i>Pterocles exustus</i>
62	Rock Dove	<i>Columba livia intermedia</i>
63	Laughing Dove	<i>Streptopelia senegalensis</i>
64	Spotted Dove	<i>Streptopelia chinensis</i>
65	Eurasian Collared-dove	<i>Streptopelia decaocto</i>
66	Yellow-footed Green-pigeon	<i>Treron phoenicopterus</i>
67	Rose-ringed Parakeet	<i>Psittacula krameri</i>
68	Plum-headed Parakeet	<i>Psittacula cyanocephala</i>
69	Southern Coucal	<i>Centropus sinensis</i>
70	Blue-faced Malkoha	<i>Phaenicophaeus viridirostris</i>
71	Jacobin Cuckoo	<i>Clamator jacobinus</i>
72	Koel	<i>Eudynamys scolopacea</i>
73	Grey-bellied Cuckoo	<i>Cacomantis passerinus</i>
74	Common Hawk-cuckoo	<i>Hierococcyx varius</i>
75	Common Barn-owl	<i>Tyto alba</i>
76	Indian Eagle-owl	<i>Bubo bengalensis</i>
77	Mottled Wood-owl	<i>Strix ocellata ocellata</i>
78	Spotted Owlet	<i>Athene brama</i>
79	Indian Jungle Nightjar	<i>Caprimulgus indicus</i>

80	Indian Little Nightjar	<i>Caprimulgus asiaticus</i>
81	Asian Palm-swift	<i>Cypsiurus balasiensis</i>
82	Little Swift	<i>Apus affinis</i>
83	Crested Treeswift	<i>Hemiprocne coronata</i>
84	Common Kingfisher	<i>Alcedo atthis</i>
85	White-breasted Kingfisher	<i>Halcyon smyrnensis</i>
86	Lesser Pied Kingfisher	<i>Ceryle rudis</i>
87	Little Green Bee-eater	<i>Merops orientalis</i>
88	Blue-tailed Bee-eater	<i>Merops philippinus</i>
89	Indian Roller	<i>Coracias benghalensis</i>
90	Common Hoopoe	<i>Upupa epops</i>
91	Indian Grey Hornbill	<i>Tockus birostris</i>
92	Coppersmith Barbet	<i>Megalaima haemacephala</i>
93	Indian Pygmy Woodpecker	<i>Dendrocopos nanus</i>
94	Black-rumped Flameback	<i>Dinopium benghalense</i>
95	White-naped Flameback	<i>Chrysocolaptes festivus</i>
96	Indian Pitta	<i>Pitta brachyura</i>
97	Indian Bushlark	<i>Mirafra erythroptera</i>
98	Ashy-crowned Finch-lark	<i>Eremopterix griseus</i>
99	Dusky Crag-martin	<i>Ptyonoprogne concolor</i>
100	Barn Swallow	<i>Hirundo rustica</i>
101	Wire-tailed Swallow	<i>Hirundo smithii</i>
102	Red-rumped Swallow	<i>Hirundo daurica</i>
103	Streak-throated Swallow	<i>Hirundo fluvicola</i>
104	White Wagtail	<i>Motacilla alba</i>
105	White-browed Wagtail	<i>Motacilla maderaspatensis</i>
106	Citrine Wagtail	<i>Motacilla citreola</i>
107	Western Yellow Wagtail	<i>Motacilla flava</i>
108	Grey Wagtail	<i>Motacilla cinerea cinerea</i>
109	Large Cuckooshrike	<i>Coracina macei</i>
110	Black-headed Cuckooshrike	<i>Coracina melanoptera</i>
111	Small Minivet	<i>Pericrocotus cinnamomeus</i>
112	Common Woodshrike	<i>Tephrodornis pondicerianus</i>
113	Paradise Flycatcher	<i>Terpsiphone paradisi</i>
114	White-browed Fantail	<i>Rhipidura aureola</i>

115	Red-vented Bulbul	<i>Pycnonotus cafer</i>
116	White-browed Bulbul	<i>Pycnonotus luteolus</i>
117	Common Iora	<i>Aegithina tiphia</i>
118	Jerdon's Leafbird	<i>Chloropsis jerdoni</i>
119	Brown Shrike	<i>Lanius cristatus</i>
120	Bay-backed Shrike	<i>Lanius vittatus</i>
121	Long-tailed Shrike	<i>Lanius schach</i>
122	Asian Brown Flycatcher	<i>Muscicapa latirostris</i>
123	Rusty-tailed Flycatcher	<i>Muscicapa ruficauda</i>
124	Pale-chinned Flycatcher	<i>Cyornis poliogenys</i>
125	Tickell's Blue Flycatcher	<i>Cyornis tickelliae</i>
126	Blue Rock-thrush	<i>Monticola solitarius</i>
127	Oriental Magpie-Robin	<i>Copsychus saularis</i>
128	Indian Black Robin	<i>Saxicoloides fulicatus fulicatus</i>
129	Black Redstart	<i>Phoenicurus ochruros</i>
130	Pied Bushchat	<i>Saxicola caprata bicolor</i>
131	Yellow-eyed Babbler	<i>Chrysomma sinense</i>
132	Large Grey Babbler	<i>Turdoides malcolmi</i>
133	Jungle Babbler	<i>Turdoides striata</i>
134	Yellow-billed Babbler	<i>Turdoides affinis</i>
135	Grey-breasted Prinia	<i>Prinia hodgsonii</i>
136	Ashy Prinia	<i>Prinia socialis</i>
137	Plain Prinia	<i>Prinia inornata</i>
138	Common Tailorbird	<i>Orthotomus sutorius</i>
139	Paddyfield Warbler	<i>Acrocephalus agricola</i>
140	Blyth's Reed-warbler	<i>Acrocephalus dumetorum</i>
141	Indian Reed-warbler	<i>Acrocephalus brunescens</i>
142	Booted Warbler	<i>Hippolais caligata</i>
143	Greenish Warbler	<i>Phylloscopus trochiloides</i>
144	Thick-billed Flowerpecker	<i>Dicaeum agile</i>
145	Pale-billed Flowerpecker	<i>Dicaeum erythrorhynchos</i>
146	Purple-rumped Sunbird	<i>Leptocoma zeylonica</i>
147	Purple Sunbird	<i>Cinnyris asiaticus</i>
148	Oriental White-eye	<i>Zosterops palpebrosus</i>
149	Red Avadavat	<i>Amandava amandava</i>

150	Indian Silverbill	<i>Euodice malabarica</i>
151	Scaly-breasted Munia	<i>Lonchura punctulata</i>
152	Tricoloured Munia	<i>Lonchura malacca</i>
153	House Sparrow	<i>Passer domesticus</i>
154	Yellow-throated Sparrow	<i>Petronia xanthocollis</i>
155	Streaked Weaver	<i>Ploceus manyar</i>
156	Baya Weaver	<i>Ploceus philippinus</i>
157	Grey-headed Starling	<i>Sturnia malabarica</i>
158	Brahminy Starling	<i>Temenuchus pagodarum</i>
159	Rosy Starling	<i>Sturnus roseus</i>
160	Asian Pied Starling	<i>Gracupica contra</i>
161	Common Myna	<i>Acridotheres tristis</i>
162	Indian Golden Oriole	<i>Oriolus kundoo</i>
163	Black-naped Oriole	<i>Oriole chinensis</i>
164	Black Drongo	<i>Dicrurus macrocercus</i>
165	White-bellied Drongo	<i>Dicrurus caerulescens</i>
166	Rufous Treepie	<i>Dendrocitta vagabunda</i>
167	House Crow	<i>Corvus splendens</i>
168	Indian Jungle Crow	<i>Corvus culminatus</i>

Reptiles

Sl.No	Species name	Scientific name
1	Blanford's Rock Agama	<i>Psammophilus blanfordanus</i>
2	Common Garden Lizard	<i>Calotes versicolor</i>
3	Roux's Forest Lizard	<i>Calotes rouxii</i>
4	Fan throated lizard	<i>Sitana ponticeriana</i>
5	Bengal Monitor lizard	<i>Varanus bengalensis</i>
6	Common Sand boa	<i>Gongylophis conicus</i>
7	Bronze back tree snake	<i>Dendrilaphis tristis</i>
8	Buff striped keelback	<i>Amphiesma stolatum</i>
9	Checkered keelback	<i>Xenochrophis piscator</i>
10	Banded Kukri	<i>Oligodon arnensis</i>
11	Common Trinket snake	<i>Coelognathus helena helena</i>
12	Common wolf snake	<i>Lycodon aulicus</i>

13	Yellow collared wolf snake	<i>Lycodon flavicollis</i>
14	Green vine snake	<i>Ahaetulla nasuta</i>
15	Indian Rat snake	<i>Ptyas mucosus</i>
16	Common blind snake	<i>Ramphotyphlops braminus</i>
17	Russel's viper	<i>Daboia resseli</i>
18	Indian rock Python	<i>Python molurus</i>
19	Common Indian cobra	<i>Naja naja</i>
20	Common Krait	<i>Bungarus caeruleus</i>
21	Brook's gecko	<i>Hemidactylus brookii</i>
22	Common House Gecko	<i>Hemidactylus frenatus</i>
23	Leschenault's Leaf-toed Gecko	<i>Hemidactylus leschenaultia</i>
24	Treutleri's gecko	<i>Hemidactylus treutleri</i>
25	Indian Black Turtle	<i>Melanochelys trijuga</i>
26	Indian flapshell turtle	<i>Lissemys punctata</i>
27	Common skink	<i>Mabuya carinata</i>
28	Skink	<i>Lygosoma punctatum</i>
29	Common Indian toad	<i>Duttaphrynus melanostictus</i>
30	Skittering frog	<i>Euphlyctis cyanophlyctis</i>
31	Common tree frog	<i>Polypedates maculates</i>

ANNEXURE - I

Details of expenditure during the year 2017 - 18 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	638.19910
	012 - Allowance	54.37896
	013 - DA	164.71013
	015-I.R	1.82034
	016-HRA	170.37841
	017-MR	11.25419
	018-EEL	22.13436
	Total (010)	1062.87549
	130 - Office Expences	
	131 - Ser.Post,Telg,& Tel	0.45051
	133-Water & Electricity	0.64639
	Total (130)	1.09690
	240 - POL	0.14304
	312 - Grant - in - Aid	0.20000
	Total	0.34304
	Total SH (04)	1064.31543
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	4.90500
	D.A & I.R	1.41258
	Total (110)	6.31758
	130 - Office Expenses	
	133-Water & Electricity	45.00000
	Total (130)	45.00000
	140-RRT	3.09078
	Total (140)	3.09078
	Total SH (04)	54.40836
III	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	331.76940
	Total SH (04)	331.76940
V	C.Z.A Funds, 2017-18	
	Vulture Conservation Center	27.82000
	Mouse Deer Conservation Breeding Center	21.73080
	Total CZA	49.55080
	ZAPAT (Zoos and Parks Authority of Telangana 2017-18	1,514.44089
VI		
	Grand Total	3014.48488



Bahadurpura, Hyderabad - 500064, Telangana State, Indian
Website: www.hyderabadzoo.com
E-Mail : nehruzoopark1@gmail.com
Ph. No. 040-24477355
