

Annual Report 2016-17



INDRODA NATURE PARK ZOO

Gandhinagar - 382007, Gujarat, INDIA

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1. ABOUT US

INDRODA NATURE PARK (INP)

In pursuance of its objectives, Indroda Nature Park (INP), Gandhinagar initiated INP development works with the ecological insight, planning and management skills. From Mid 1970s, the Gujarat Forest Department had initiated plantation works in degraded Sabarmati River Banks as ravine reclamation works. Today, such afforestation has attained the shape of a dense forest. INP is now inhabited by a good number of birds, trees, shrubs, herbs, reptiles and mammals. The undulating terrain, with a background of a low-lying river provides for great scenic beauty.

Development of INP is aimed at imparting nature education to spread awareness about environmental conservation, providing opportunities of experiencing wilderness and protecting the rare and endangered species of animals and birds.

Presently, the park occupies a total area of 428 ha, including 157 ha along Western Bank of River Sabarmati and 271 ha along the Eastern Bank. On the Eastern Bank, the area has been divided into Aranya Udhyaan (208.50 ha) and Research Nursery (62.50 ha, managed by the Gujarat Forest Department). The Western Park falls between Indroda and Dholakuva villages and the Eastern Park between Shahpur and Basan villages.

The important sections of the INP are as under:

1.1 INP Forest

The entire land of the park on the western bank of river Sabarmati supports over 1.33 lakhs indigenous trees, interspersed with several ornamental exotic trees. Over 136 species of trees have been recorded in the wilderness park.

1.2 Earth Section

In this section, exhibits of genesis of solar system and earth, geological evolution of earth and it's continents, biogeography of the world, India and Gujarat are presented.

1.3 Dinosaur and Fossil Section

Gujarat boasts of having one among the most abundant of dinosaur hatcheries in the world at Rahioli in Kheda district. This unique natural history of occurrence of dinosaur eggs, bones, skin impressions etc. suggest a widespread presence of dinosaurs in ancient geological time. A Dinosaur & Fossil Section has been established at INP.

1.4 Botanical Garden

The Botanical Garden at INP has been developed to increase public awareness about plant science and medicinal plants. It aims at collecting, compiling, translating and publishing popular science works. At present, the Botanical Garden has a collection of about 800 plant species. It also provides a wonderful out-of-classroom experience for learning about plants to school students. It comprises of following 4 sections.

Arboretum is a collection of tree species, in the form of plantation with proper display of botanical details of the plant. There are 327 tree species identified in Gujarat state. The arboretum plot in the botanical garden is spread over an area of 2.5 ha. So far 250 tree species have been planted in this plot.

Cactus house contains more than 80 species of these succulent plants. The information about species, habitat, etc. is displayed for the knowledge of the visitors. The beautiful flowery plants are one of the major attractions.

Bamboo collection has all six species of bamboo found in Gujarat. It is being developed to raise all the species occurring in Western India and a few other species.

Medicinal plant and grass section has about 250 species of plant species having medicinal and / or livelihood values.

1.5 Indroda Nature Park (INP) Zoo

A **“Deer Park** was established by the Gujarat Forest Department during the year 1978. Later a snake park, crocodile pits and tortoise pits were developed in 1980. After the establishment of the GEER Foundation and its Indroda Nature Park, it was decided that the INP will have a Small or Medium Zoo. Accordingly, various existing animal enclosures were grouped as the INP Zoo Section of in the Western Part of the Park. The INP Zoo was, subsequently, recognized as a Medium Zoo, by the Central Zoo Authority on 20/02/97. During the Year 2006-07, it was decided to extent INP Zoo area to the East Bank by creating Safari Park.

Salient features:

Sr. No.	Particulars	Details	
1	Entry fees	Category	Ticket Rates (INR)
		Child below 5 years of age	Free entry
		Child between 5-12 years of age	15.00
		Person above 12 years of age	30.00
		School and college students (on educational tour)	08.00

Sr. No.	Particulars	Details	
		Physically challenged (Divyangs)	Free entry
		Institutional/ general/ life members of GEER Foundation	Free entry
		Two wheeler parking	15.00
		Four wheeler parking	30.00
		Heavy motor vehicles- bus, truck etc. (on educational tour)	90.00
		Heavy motor vehicles- bus, truck etc.	120.00
		Filming (up to four hours)	6000.00
		Filming (for more than four hours in a day)	12000.00
2	Zoo timing	08.00 am to 05.30 pm	
3	Zoo closure day	The Zoo remains closed for visitors on Monday every week.	
4	Visitors' amenities	<ol style="list-style-type: none"> 1) Drinking water kiosks at 3 different places 2) Toilet blocks at 3 different places 3) Resting areas, gardens and benches 4) First aid kit 5) Fruit kiosk 	

2. VISION AND OBJECTIVES OF INDRODA NATURE PARK ZOO

2.1 VISION

“Indroda Nature Park Zoo to be a part of overall Indroda Nature Park (West Bank & Aranya Udhyaan on East Bank) as a MEDIUM CATEGORY ZOO for the purposes of (i) Research, (ii) Captive conservation breeding and (iii) Education of general public for the subject of wild animals and their role in natural ecosystem”

2.2 OBJECTIVES

The main objective of the Indroda Nature Park (INP) Zoo, in accordance to the National Zoo Policy, 1998, is to complement and strengthen the National efforts in conservation of wild fauna.

Detailed objectives of the INP Zoo are as under:

1. Conservation:

Ex-situ captive conservation of the protected wild animals to strengthen the National efforts in conservation of wild fauna.

2. Captive Conservation Breeding:

Captive conservation breeding of selected and prioritized wild ungulates for supporting in-situ conservation of these species and their associate fauna through participating in planned introduction, re-introduction and enrichment of wild ungulates in Protected Areas (PAs).

3. Research and studies:

Providing opportunities for scientific studies and research useful for conservation of wild animals in captivity.

4. Conservation Education and Awareness:

Providing opportunities to zoo visitors in order to (a) get inspiration for empathy towards wild animals, (b) learn, understand and be aware about the life cycle, habitat requirement and ecology of wild animals and (c) get inspired for holistic nature conservation.

3. ACTIVITIES OF INP FOR FINANCIAL YEAR 2016-17

3.1 Animal care and veterinary section:

Captive wild animals of Indroda Nature Park zoo obtains veterinary care through Veterinary hospital established in the Indroda Nature Park along with facilities to carry out surgical interventions. The infrastructural facilities provided in the veterinary hospital are operation theatre, medicine store room and Veterinary Officer's chamber. The hospital is well equipped with hydraulic operation table, electro cautery, Multipara monitor, autoclave, suction apparatus, fumigator, compound light microscope etc. The veterinary hospital is also facilitated with syringe projector equipment for remote drug delivery system. The hospital has various isolation wards and portable treatment cages and squeeze cage. The hospital has refrigerator, weighing machine and other basic facilities.

Throughout the year 2016-17, the veterinary hospital monitored and looked after health of various wild animals of Indroda Nature Park. The hospital especially intervened in following cases.

1. Surgical intervention for removal of tumorous tissue in interdigital space of hind limb of male Jackal
2. Treatment and care of senile tigress of the zoo.
3. Bird rescue and rehabilitation camp for injured birds during kite flying festival.
4. Severe infighting injuries to Saras crane were operated and rehabilitated.
5. Surgical removal of obstruction of fishing hook from Indian flap shell turtle rescued from adjacent river

Apart from this, the prophylactic measures against various diseases are taken by means of deworming at every three months interval and vaccination annually. Cleaning, debris removal, disinfection and sanitary measures are carried out by the veterinary hospital. Various aquatic ponds were emptied, cleaned and refilled with clean potable water along with safe water disinfectant.

The Veterinary Officer along with the team had been deputed for assistance of department of forest in case of man wild animal conflict cases. The said team had rescued a female leopard in aravalli district. The said team performed the task of

Activities of Veterinary section of Indroda Nature Park



Bird rescue and rehabilitation camp



Elephant control team of Indroda Nature Park in Rathayatra procession, Ahmedabad



Removal of tumor from interdigital space of Jackal (*Canis aureus*)

emergency elephant control during Rathyatra- a religious procession held in Ahmedabad city wherein herd of total 18 elephants lead the procession.

The Kite flying festival in Gujarat is celebrated on 14th and 15th day of January every month. During these days large number of birds gets injured while flying due to sharp threads of kites. A bird rescue and rehabilitation camp is organised every year in the said period to operate and rehabilitate the birds. In the year 2017, bird rescue camp was organised during 14th-17th January in the isolated part of eastern section of Indroda Nature Park. Total 48 injured birds were received and subjected to minor and major surgical interventions. 40 birds out of 48 birds survived, rehabilitated and reintroduced in the nature over a period of time.

3.2 Education and awareness:

(a) **Nature Education Camp:** Indroda Nature Park invites school and college students for three days nature education camp from different regions of Gujarat state. A batch of around 45-50 school students and faculty members are provided three days accommodation and food at the cost of GEER Foundation. The students are taught about ecosystem, ecology, importance of nature and natural resources, wildlife etc.. during nature trails, zoo visit, birding, experts interactions in these three days span. The Indroda Nature Park has skilled staff to conduct these Nature Education Camps. The details of Nature Education Camps conducted in Indroda Nature Park in the financial year 2016-17 are as follows:

Sr. No.	Section	No. of camps	Participants			Total
			students	Faculty members	others	
1	Indroda Nature Park (west and east)	40	1877	128	127	2132

(b) One day programme for organised tours of trainees or college students:

On request of any educational or training institute/ academy, Indroda Nature Park conducts special one day programme for the Forest officer trainees, subordinate staff trainees and college students. This programmes focus on Visit to the various sections of INP and interactions with the field officers i.e. R.F.O., Veterinary Officer and managerial officers i.e. Dy. Director and Director. The details of organised one day programme conducted in the financial year 2016-17 is given in following table.

Sr. no.	Date	Participants detail
State or central academy for forest officers' training		
1	08/05/2016	R.F.O. Trainees of Gujarat state forest training institute, Rajpipala
2	04/08/2016	R.F.O trainees of CASFOS, Kundal, Maharashtra.
3	24/09/2016	R.F.O trainees of CASFOS, Assam.
4	10/10/2017	R.F.O trainees Karnataka S.F.S. Officers.
5	25/11/2016	Trainee office assistants. of SPIPA Institute, Gandhinagar.
6	26/11/2016	R.F.O trainees of Dehradun academy.
7	27/01/2017	Forest officers of Himachal Pradesh institute.
Organised college programmes		
8	22/04/2016	M.Sc. Students of Hapur college, Uttar Pradesh.
9	16/07/2016	Climate change course students from CEE, Ahmedabad
10	28/09/2016	College of Veterinary Science students, Anand.
11	21/10/2016	North eastern Hill university, shilling students with faculties
12	28/01/2017	IIT Gandhinagar students
13	31/01/2017	Agricultural university students, Navsari.
14	04/003/2017	College of Agricultural I.T. students, Anand.

(c) Bird Watching Programme:

Indroda Nature Park organises a birding programme namely "Appreciation training programme on bird ecology and conservation" popularly known as

Glimpses of Education and Awareness Programmes



Appreciation Training Programme on Bird Ecology and Conservation



Nature Education Camps



Collection of garbage & plastic in celebration of Ozone day

“Bird watching programme”. This programme is of 4 days generally held in winter season in Indroda Nature park premises. This programme is of special kind wherein, any person of more than 6 years of age can participate in this programme. The terrestrial bird watching is done in woodlands of Indroda Nature Park and wetland bird watching is done in the Thol bird sanctuary. The bird watching is followed by presentations of ornithologists and field experts. The bird watching is pursued by trained, skilled and experienced staff of Indroda Nature Park. The participants are charged nominal fees for the formal registration process and in return, the participants are provided hard copy materials, soft copy material in CD-Rom and the light breakfast is provided to the participants on all four days. In the year 2016-2017, total three batches of December, January and February were conducted. Total 118 participants participated in the said programme.

3.3 Events and celebration of important days:

a. International Day for Preservation of Ozone Layer 2016

The GEER Foundation had organized a Half Day Workshop for the B.Sc. Second & This Year Students of C.U. Shah Science College, Ahmedabad on the Ozone Day, September 16, 2016 as a part of Theme Based Nature Education Camp for College and University students 2016-17. Acknowledging the effectiveness of practical exercise, participating students were asked to carry out a small exercise of (i) plastic waste collection; (ii) quantifying the waste; (iii) quantifying human efforts for collecting and disposing of plastic waste; (iv) exploring safe methods for disposing plastic waste; etc. The workshop was planned with following objectives:

- a. To provide opportunity to learn scientific facts related to ozone layer, ODS and ozone depletion in stratosphere.
- b. To provide opportunity to learn human efforts required for waste management.
- c. To facilitate students to explore methods of waste prevention and waste management including 3Rs viz. Reduce, Reuse and Recycle as well as safe disposal of waste substances.

b. Wildlife Week 2016

Every year during October 2 to 8, governments, environmentalists, activists, educators organize different activities to accelerate the awareness of wildlife

conservation among people. India, being a mega-storehouse of various species, is also able to manage several conferences, awareness programs, and public meetings among the nature lovers. Schools and educational institutions organize events such as wildlife related movie screening, painting competition/essay writing/ debate competition for young children with wild life as the theme.

The GEER Foundation organizes various activities during the Wildlife Week each year. For the Wildlife Week 2016 too, the Foundation organized following activities:

- I. Free entry into Indroda Nature Park and Aranya Udhyaan, Gandhinagar.
- II. Ecological awareness exhibition stall at Gandhinagar Cultural Forum Navratri Mahotsav, Gandhinagar.
- III. One Day Nature Education Camps for Talati cum Mantri Trainees.
- IV. Nature Exploration Visit for students of Shri Shri Ravishankar Vidya Mandir, Godhavi.
- V. One Day NGC Eco Club Teachers Training for Ahmedabad District.
- VI. One NGC Eco Club Teachers Training for Gandhinagar District.
- VII. Bal Varta, Bal Geet and Nrutya Natika - Special awareness program.

3.4 Events organised for staff members.

3.4.1 **Yoga week:** 21st June is celebrated as International Yoga Day. GEER Foundation has organised a three week Yoga programme for all staff members of the office including staff working with wild animals. The staff members enthusiastically participated in the Yoga programme.

3.4.2 **Health check up camp:** A health check up camp was organised in the Indroda Nature Park for the animal keepers and other staff members of Indroda Nature Park.

3.4.3 **Training exposure:** Veterinary Assistant was sent for a training programme organised for animal keepers in Kankariya Zoo, Ahmedabad during November, 2016.

3.4.4 **Zoo visit exposure:** Two batches of staff members were formed and each was sent to different two zoos to learn and impart newer techniques, important animal keeping & managerial practises and veterinary practises. Total 12 staff members were sent to the visit exposure of two different zoos. The staff member keenly exposed by following two zoos.

(a) Shri Chamarajendra Zoological Gardens, Mysuru, Karnataka

(b) Arignar Anna Zoological Gardens, Chennai, Tamilnadu

Celebration of various Days and Events



Celebration of Wildlife Week



Celebration of World Sparrow Day



Interaction in special induction programmes for forest officers trainees

These two batches and the zoo visit exposure details are as follows:

Sr. No.	Batch	Period	Zoo Name and Place	Participants
1	A	20 th – 26 th November, 2016	Shri Chamarajendra Zoological Gardens, Mysuru, Karnataka	Veterinary Officer, Snake Cum wildlife park Keeper, T.A. (Bird breeder), 3 Animal keepers
2	B	6 th – 12 th November, 2016	Arignar Anna Zoological Gardens, Chennai, Tamilnadu	Forester, Asst. Snake cum Wildlife Park Keeper, Sweeper cum keeper, 3 animal keepers

4. ADMINISTRATIVE PATTERN AND HUMAN RESOURCES:

INP Zoo is, and it will continue to be the part of the INP under the administrative control of the GEER Foundation. The GEER Foundation will continue its endeavour to manage and develop the INP Zoo towards (a) its overall mandate of ecological education and ecological research, (b) its mission to contribute to conservation, restoration and enrichment of ecosystem and natural heritage and (c) to the national vision for conservation of threatened wild animals through captive conservation, captive conservation breeding, research and education.

The GEER Foundation is an autonomous society and public trust constituted and currently under the administration of the Forests & Environment Department, Government of Gujarat. For the purpose of administrative linkages with the Government of Gujarat, the GEER Foundation is partially under the administrative control of the Wildlife Wing of the Gujarat Forest Department. The Foundation receives Operations & Management as well as Development grant as a Grant-in-Aid from the Government of Gujarat through the Forests & Environment Department and the Gujarat Forest Department. Accordingly, one of the units of the GEER Foundation, INP Zoo is also under the administration of the Government of Gujarat as a part of an autonomous Foundation.

At present, Indroda Nature Park has following human resources.

Sr. No.	Name of Cadre	No. of Post Sanctioned	No. of Post filled up	Post required to be abolished or to be accounted under other section of INP	Post Proposed	Total Post
1	Assistant Conservator of Forest	1	1	0	0	1
2	Park Warden of the rank of Range Forest Officer	1	1	0	0	1
3	Veterinary Officer	1	1	0	0	1
4	Veterinary Assistant	1	1	0	0	1
5	Zoo Education Guide	0	0	0	3	3

Sr. No.	Name of Cadre	No. of Post Sanctioned	No. of Post filled up	Post required to be abolished or to be accounted under other section of INP	Post Proposed	Total Post
6	Accountant	1	0	0	0	1
7	Forester	1	1	0	0	1
8	Forest Guard (Forest Area & Zoo Area)	1	1	0	1	2
9	Snake Cum Wildlife Park Keeper	1	1	0	0	1
10	Asstt. Snake Cum Wildlife Park Keeper	1	1	0	0	1
11	Ticket Window Clerk	0	0	0	2	2
12	Ticket Checker	0	0	0	2	2
13	Bird Breeder	1	0	0	0	1
14	Store clerk	0	0	0	1	1
15	Driver	1	0	0	2	3
16	Plumber Cum Pump Operator	1	0	0	0	1
17	Watchman	1	0	0	3	4
18	Watchman Cum Mali	1	0	1	0	0
19	Welder Cum Attendant	1	0	1	0	0
20	Sweeper Cum Keeper	1	0	0	0	1
21	Watchman Cum Camp Attendant	1	0	1	0	0
22	Head Animal Keeper/Curator	1	0	0	0	1
23	Nature Education Assistant	1	0	1	0	0
24	Artist	1	0	1	0	0
25	Kitchen Manager Cum Supervisor	1	0	1	0	0
26	Library Attendant	1	0	1	0	0
	Total of INP Zoo Western Part	22	8	7	14	29
1	Park Warden of the rank of Range Forest Officer	1	1	0	0	1
2	Accountant	1	0	0	0	1
3	Forester	1	0	0	0	1

Sr. No.	Name of Cadre	No. of Post Sanctioned	No. of Post filled up	Post required to be abolished or to be accounted under other section of INP	Post Proposed	Total Post
4	Forest Guard	1	1	0	0	1
5	Zoo Education Guide	0	0	0	2	2
6	Sweeper Cum Keeper	0	0	0	2	2
7	Driver	0	0	0	1	1
8	Watchman	0	0	0	2	2
	Total of INP Eastern Part	4	2	0	7	11
	Total of INP Zoo	26	9	7	21	40

5. ANIMAL INVENTORY AND COLLECTION OF ANIMALS IN INDRODA NATURE PARK ZOO:

Other than endangered species					
Sr. No.	Animal Name / Scientific Name	Closing stock as on 31 st march, 2017			
Aves		M	F	U	T
1	Cormorant little (<i>Phalacrocorax niger</i>)	0	0	1	1
2	Crane Common (<i>Grus grus</i>)	0	0	1	1
3	Crane Sarus (<i>Grus antigone</i>)	1	1	0	2
4	Duck Comb (<i>Sarkidiornis melanotos</i>)	3	2	16	21
5	Duck Pin Tail (<i>Anas acuta</i>)	1	1	0	2
6	Egret Little (<i>Egretta garretta</i>)	1	1	0	2
7	Goose Bar Headed (<i>Anser indicus</i>)	0	0	2	2
8	Heron Night (<i>Nycticorax nycticorax</i>)	0	0	20	20
9	Ibis White (<i>Threskiornis acthiopica</i>)	2	2	0	4
10	Owl Barn (<i>Tyto alba</i>)	1	0	0	1
11	Eurasian Eagle Owl/ Indian Greater Horned Owl (<i>Bubo bubo</i>)	0	0	0	0
12	Pelican Rosy / White (<i>Pelecanus onocrotalus</i>)	0	0	5	5
13	Parakeet Alexandrine (<i>Psittacula eupatria</i>)	3	1	0	4
14	Stork Painted (<i>Mycteria leucocephala</i>)	2	2	5	9
15	Kite brahminy (<i>Tandorna ferruginea</i>)	0	0	1	1
16	Gray Leg Goose (<i>Anser anser</i>)	0	0	5	5
17	Large Whistling Tael (<i>Dendrecygn a bicolor</i>)	1	1	0	2
18	TawneyEagle (<i>Aquila rapax</i>)	0	0	1	1
	Total Birds	15	11	57	83
Mammals		M	F	U	T
1	Deer Sambhar (<i>Cervus unicolor</i>)	11	22	6	39
2	Deer Spotted (<i>Axis axis</i>)	37	62	0	99
	Total Mammals	48	84	6	138
Reptiles		M	F	U	T
1	Krait - Common Indian (<i>Bungarus caeruleus</i>)	0	0	2	2
2	Sand Boa (<i>Eryx johini</i>)	0	0	2	2
3	Sand Boa - red (<i>Eryx conicus</i>)	0	0	2	2
4	Tortoise Indian Star (<i>Geochelone elegans</i>)	3	4	23	30
5	Gangetic Soft Shell Turtle	1	0	0	1
	Total Reptiles...	4	4	29	37
	Total Animals (birds + mammals +reptiles)...	67	99	92	258

Endangered species					
Sr. No.	Animal Name / Scientific Name	Closing stock as on 31 st march, 2017			
Aves		M	F	U	T
1	Peafowl (White) (<i>Pavo cristatus</i>)	3	0	0	3
2	Spoonbill White (<i>Platalea leucorodia</i>)	1	1	0	2
3	Steppe Eagle (<i>Aquila Nipalensis</i>)	0	0	2	2
	Total Birds	4	1	2	7
Mammals		M	F	U	T
1	Black Buck (<i>Antilope cervicapra</i>)	86	79	15	180
2	White Black Buck (<i>Antilope cervicapra</i>)	11	19	9	39
3	Chinkara – Indian Gazelle(<i>Gazella bennetti</i>)	3	2	1	6
4	Jackal (<i>canis aureus</i>)	1	1	0	2
5	Leopard (<i>Panthera pardus</i>)	2	1	0	3
6	Porcupine Bengal (<i>Altherurus meccourous assamensis</i>)	0	0	2	2
7	Tiger (<i>Panthera tigris tigris</i>)	0	0	0	0
	Total Mammals...	103	102	27	232
Reptiles		M	F	U	T
1	Cobra Indian (<i>Naja naja</i>)	3	0	0	3
2	Crocodile Marsh (Mugger) (<i>Crocodylus Palustris</i>)	1	1	31	33
3	Python Indian – Rock (<i>Python molurus molurus</i>)	2	0	11	13
4	Snake Rat / Dhaman (<i>Pryas mucosus</i>)	0	0	3	3
5	Viper Russel's (<i>Vipera ruselli</i>)	0	0	2	2
	Total Reptiles...	6	1	47	54
	Total ANIMALS (Birds + Mammals +Reptiles)...	113	104	76	293

6. IMPORTANT INFRASTRUCTURAL WORKS PURSUED IN THE FINANCIAL YEAR 2016-17:

1. The construction of New Sambar deer enclosure completed as per the approved master plan of Indroda Nature Park.
2. Construction of new rat proof storage room for storage of feed and feed materials, feed processing is completed in the year 2016-17.
3. The walk in aviary of Indroda Nature Park required major renovation and repairs which was pursued in the year 2016-17.
4. The unique attraction of Indroda Nature Park apart from the zoo is Dinosaur and Fossil section. This section encases fossils models of various dinosaurs. The said section completed more than 15 years after inauguration, which caused natural depreciation of models. The renovation and repair works was pursued and completed in the year 2016-17.

7. ZOO VISITATION:

Indroda Nature Park attracts visitors from Gandhinagar and Ahmedabad city. Visitation of Indroda Nature Park is increasing day by day. The annual footfall of Indroda Nature Park zoo in the year 2016-17 is more than 5.25 lakh visitors. The detailed information about visitation is given in table below.

Sr. No.	Month	Adults	Children	Students	Complimentary to the Divyangs and others	Total
1	April-2016	25227	2193	1174	62	28656
2	May- 2016	32559	5568	328	68	38523
3	June-2016	30076	2854	652	34	33616
4	July-2016	39650	3641	1124	330	44745
5	August-2016	35677	3134	2131	216	41158
6	September-2016	26226	1311	3515	567	31619
7	October-2016	21777	1563	5346	437	29123
8	November-2016	66587	9595	2385	529	79096
9	December-2016	42031	4053	14274	2005	62363
10	January-2017	40906	3202	19141	1353	64602
11	February-2017	32776	2117	19957	866	55716
12	March-2017	32667	2292	12376	502	47837
Total	2016-17	399933	40212	78888	6402	525435

**8. STATUS OF COMPLIANCE OF CONDITIONS STIPULATED BY
CZA VIDE LETTER F NO.19-33/92-CZA(72)(VOL.V)(NS)
/883/2016 DATED 08-06-2016**

S. No.	Norm No.	Condition Stipulated	Status
1. General Requirements			
1.	1.9	Zoo should remove domestic Geese from the display area.	Completed
2. Administrative and Staffing pattern			
2.	2.1	Zoo should have an officer of appropriate rank as Full time incharge of the zoo with powers to take decision and ensure that adequate financial resources and infrastructural support is made available to such officer for proper housing, upkeep and health care of the zoo animals and managing the zoo in a planned manner.	The Dy. Director (R&D) who is an officer of the rank of Dy. Conservator of Forests is looking after the management of the zoo at present and he is vested with adequate financial resources and infrastructural support is made available to him for proper housing, upkeep and health care of the zoo animals and managing the zoo in a planned manner.
3. Development and planning			
3.	3.1	Zoo should get approval of Master (layout) Plan & Master Plan from the Central Zoo Authority.	Completed
4. Animal Housing, display of animals and animal enclosures			
5.	4.2	Proper enclosure for the rescued Jackal should be provided. The design should be got approved from Central Zoo Authority.	In process
6.	4.6	Zoo should enrich the environment of the enclosures to meet the species specific requirements of the animals in accordance with the standards specified by the Central Zoo Authority.	Partially done with wooden logs. Further work is in progress.

S. No.	Norm No.	Condition Stipulated	Status
7.	4.7	Zoo should arrange screening between adjacent enclosures to safeguard against the animals getting unduly excited or stressed due to visibility of animals housed in these enclosures.	The new enclosures shall be designed accordingly and the approval of the same shall be taken from CZA.
8.	4.9	Zoo should provide proper stand off barrier in front of spotted deer enclosure.	Completed.
9.	4.10	<ul style="list-style-type: none"> i. Zoo should provide directional signs and warning signs for visitors. ii. Sign board placed inside the black buck enclosures should be fixed outside the fence area for viewing by visitors. 	<p>Completed.</p> <p>Renovated, painted and height raised accordingly.</p>
5.Upkeep & health care of animals			
10.	5.3(4)	The zoo should have written schedule of vaccination and de-worming of different species of the zoo animals and displayed at the enclosure site.	Completed.
7.Postmortem and disposal of carcasses of animals			
11.	7.1	<ul style="list-style-type: none"> i. Zoo should construct a post mortem room with full fledged equipment. ii. Zoo should install incinerator for disposal of carcasses. 	In process.