

# **TATA STEEL ZOOLOGICAL PARK**

(A constituent establishment of Tata Steel Zoological Society, Jamshedpur, Jharkhand)



**Annual Report**

**2015-16**

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## **TATA STEEL ZOOLOGICAL PARK**

Tata Steel Zoological Park (Tata Zoo) is nestled in the Jubilee Park and has two wetlands on either side, the Subamarekha River to its north and Jayanti Sarovar to its south. Both these wetlands are famous for attracting winter migratory birds. The Zoo is spread over an area of 30 hectares with beautifully landscaped gardens interspersed with small forest patches with an abundance of free ranging birds, mammals, reptiles and amphibians. Tata Zoo was provided conditional recognition as a small category zoo by Central Zoo Authority u/s 38H of the Wild Life (Protection) Act, 1972 in January, 2013. The recognition to the zoo will expire by 31/12/2016.

Tata Zoo is operated by Tata Steel Zoological Society. The Society was created by Tata Steel Limited as an autonomous body for overseeing the day to day operations. The Society is registered under Societies Registration Act of Govt. of Jharkhand. Zoological Park activities have been recognized as corporate social responsibility by Tata Steel Limited and accordingly financial support is being made available to the Society for taking care of day to day Zoo operation.

### **ZOO ACTIVITIES AT A GLANCE [FOR PERIOD APRIL 2015- MARCH 2016]**

#### **ANIMAL HABITATS AND UPKEEP**

Zoos are dynamic institutions and being public places are always under visitor scrutiny with respect to the facilities provided both for the animals and people. Thus changes are imminent to happen. The Central Zoo Authority has approved a long-term master plan for redevelopment of the zoo and the same is to be executed in next 20 years.

During the year under report following activities were taken up as part of improving upon the existing enclosures and enhancing the enrichment activities to improve the condition of animal enclosures:

1. Diet for Indian Star Tortoise standardized.
2. Feeding enrichment of parrots leading to egg-laying among large parrots, Cockatiel and Jandeya Conure.
3. Ecological Enrichment of captive animals like providing Wooden logs in Kraal and display areas for carnivores and Grey Langur; providing nest boxes for the parrots and pheasants; building of Machan (Elevated platform) for Indian Peacock and other mammals like Tiger, sloth bear etc. was done to meet the welfare requirement of animals.
4. Feeding schedules were revised keeping in view of the change in weather conditions and for lactating mothers and sick animals.
5. Two Hanuman Langurs which had strayed into the zoo campus were captured and released back in Dalma forest area.
6. New keeper rotation among beats was put into action from 7<sup>th</sup> April, 2015.



## ANIMAL HEALTH CARE



- All the large cats were vaccinated against Feline Pan Leucopenia, Calicivirus, Herpes Virus and Rabies infection including the newly born tiger cubs using Biofel PCHR vaccine under annual vaccination Schedule. The cloven footed animals were vaccinated against FMD every nine months.

- Captive animals and birds were dewormed on regular basis for reduction of Endo & Ecto parasites.

- A Zoo veterinary team through their regular intervention kept check of the injuries and surgical repair, if any, caused to animals due to infighting or otherwise.

- Feeding schedules were revised keeping in view of the change in weather conditions and for lactating mothers and sick animals (Herbivores, Primates and Carnivores).
- Disease causing vectors were kept under check through regular tall grass cutting, keeping the hedges trimmed, spreading of lime bleach and fumigation.
- Births of important mammalian species like 2 Bengal Tiger and 4 Mandrill monkey took place.

During the year under report, an amount of Rs.105.29 lakhs was incurred by Tata Steel Zoological Society to meet expenditure on animal care and their upkeep.

**ACQUISITIONS, BIRTH, DEATH AND DISPOSAL OF ENDANGERED & IMPORTANT EXOTIC ANIMALS**

During the year under report following acquisitions, birth, death and disposal of endangered and important exotic animals in the zoo took place:

No.	Name of Species	Sex				Remarks
		M	F	U	T	
<b>ACQUISITION</b>						
1.	Grant Zebra	2	2	0	4	Imported from Zoological Centre, Ramat Gan, Tel Aviv, Israel
<b>BIRTH</b>						
		<b>M</b>	<b>F</b>	<b>U</b>	<b>T</b>	
1.	Pea fowl	0	0	1	1	
2.	Black buck	2	1	2	5	
3.	Indian Hog deer	0	0	2	2	
4.	Northern plain grey Langur	0	0	1	1	
5.	Sambar Deer	0	0	1	1	
6.	Mandrill monkey	0	0	2	2	
<b>DEATH</b>						
		<b>M</b>	<b>F</b>	<b>U</b>	<b>T</b>	<b>Cause of death</b>
<b>Mammals</b>						
1.	Bengal Tiger	1	0	0	1	Cardio-pulmonary failure due to nephritis
2.	Black buck	1	2	0	3	Old age and in-fight injuries.
3.	Indian Hog deer	2	0	0	2	In-fight injuries
4.	Bonnet Monkey	1	0	0	1	
5.	Barking deer	2	1	0	3	Predation and in-fight injuries
6.	Spotted deer	4	3	0	7	
7.	Nilgai	2	1	0	3	Old age and in-fight injuries
8.	Indian Porcupine	2	0	0	2	Myocarditis and Hepatic tumor
<b>Birds</b>						
		1	0	0		
1.	Indian Peafowl	0	1	0	1	Unknown etiology
2.	Kalij pheasant	1	0	0	1	Hepatic tumour
3.	Emu	1	0	0	1	Traumatic injury of neck
4.	Sun conure	0	1	0	1	Unknown etiology
5.	Emerald Dove	0	1	0	1	Predation
6.	Lady Amherst pheasant	0	1	0	1	Enteric infection
7.	Golden pheasant	0	1	0	1	Tumour growth in the intestine
8.	Eastern rosella	0	0	1	1	Cold exposure
<b>Reptiles</b>						
1.	Indian star tortoise	3	8	6	17	Multi factor causes like cold exposure, enteric infection and sand deposit in the gut and unknown etiology.

## RESCUE AND REHABILITATION OF WILD ANIMALS

The Zoo is nestled in close proximity to the Dalma Wild Life Sanctuary. Owing to this, the zoo is involved on regular basis in rescue and rehabilitation of wild animals with active support from the Forest Department. During the year under report various species of animals rescued by the Forest Department and locals either in injured or orphaned condition were provided veterinary care at Zoo Veterinary Hospital before being rehabilitated back to their wild habitat. List of rescues attended during 2015-16 are provided below:

Sl.no.	Name of Species	No. of Specimen	Date	Cause of rescue	Action Taken/ Outcome
1.	Rhesus monkey	One	May	A call received from the Conservator of Forests and Divisional Forest Officer, regarding incidence of visitors to Sai Temple at CH area being bitten by a rhesus monkey.	Rescued monkey handed over to the Forest Department for releasing it in nearby forest area.
2.	Langurs	Two	May	Caught within the zoo premises as it was a threat to the resident Langurs and visitors.	Released in vicinity of Dalma Wild Life Sanctuary
3.	Monitor Lizard	One	June	Rescued from the Town area.	Was released in Zoo Safari
4.	Barn Owl	One	November	Rescued from Tata Steel General Office	Was released in zoo premises

**HUMAN RESOURCE & CAPACITY BUILDING**

1. The Director(Zoo) and Biologist cum Education Officer attended a short duration training programme on 22.5.2015 at TSL corporate centre on 'Legatrix- a software for managing legal compliances of TSZS &TSZP.
2. 15 Indian Forest Services (IFS) probationers from Indira Gandhi National Forest Academy, Dehradun visited Tata Steel Zoological Park on the 18.02.2016 for an exposure to managing captive wild animals.

Details of substantive posts and their incumbency are provided below:

<b>Sl.</b>	<b>Designation</b>	<b>Sanctioned post/posts</b>	<b>Incumbency</b>
1.	Director	One	One
2.	Deputy Director	One	One
3.	Curator	One	One
4.	Biologist cum Education Officer	One	One
5.	Asst. Veterinary Officer	One	Vacant
6.	Office Supervisor	One	One
7.	Veterinary Assistant	One	Vacant
8.	Field supervisor	One	One
9.	Animal Keeper	Four	Four
10.	Asst. Animal Keeper	Eleven	Eight
11.	Field assistant	Two	Two
12.	Sr. Office Assistant	One	One
13.	Office Assistant	Two	Two
14.	Senior attendant	Two	Two
15.	Senior driver	One	One
	<b>Total</b>	<b>Thirty one</b>	<b>Twenty Six</b>

## **AWARENESS AND EDUCATION- MEETING THE AICHI BIODIVERSITY TARGET**

A Zoo education masterplan has been prepared to address systematic awareness and education programme of the Zoological Park. One of the driving forces behind the education plan is the AICHI TARGET-1 of the Strategic Plan for Biodiversity Conservation 2011-2020 of the Convention on Biological Diversity. Various education activities were organized throughout the year with support of local NGO's, and sponsors. More than 3000 students were made aware of biodiversity and wildlife of this country. More than 100 tree saplings were also planted during this period inside the Zoo campus. The awareness activities undertaken during the year have been summarized below.

**Earth Day 2015:** Conservation is the practice of caring for natural resources in order to live sustainably. In order to inculcate such conservative practices among the young minds, Tata Zoo, on the 22<sup>nd</sup> of April organized a programme "Compost making at your home" on the occasion of Earth Day with the theme "its Our Tum to Lead." More than 50 school children from K.P.S. Burma Mines and JUSCO School South Park participated in the workshop which was sponsored by Inner Wheel Club of Jamshedpur ZEST.



**World Environment Day:** On this occasion, to ensure that visitors do not litter the pristine zoo environment with empty bottles, wrappers and other non-bio-degradable waste, a weeklong awareness program to ban entry of plastic and polythene inside the zoo from June 1<sup>st</sup> to June 7<sup>th</sup> was carried out and later converted into a permanent campaign.



**Van Mahotsav:** Tata Steel Zoo has been celebrating *Van Mahotsav* for many years now with the sole intention of instilling and reinforcing the value of afforestation and seeks to promote inclusive participation in this initiative from diverse sections of the society from in and around Jamshedpur. The motto of the *Van Mahotsav* celebrations this year is *Ek Prani Ek Pedh* – where the zoo staff took an oath to plant one tree for every animal that resides in the Zoo. Commemorative planting of fruit bearing saplings by Mr. Rishad Chinoy, Secretary, Tata Steel Zoological Society, was followed by tree plantation in different areas of the Zoo by the zoo staff.



**Wildlife Week:** The highly anticipated Wildlife Conservation Awareness Week 2015 was celebrated from 10<sup>th</sup> to 15<sup>th</sup> November 2015 where a number of events were organized including Best Eco Club Award, Inter School Essay Competition, Inter School Debate Competition, Fancy Dress Competition and On The Spot Painting Competition. A total number of 365 students from 31 institutions across the city participated in these events.

**Animal Welfare Fortnight** In order to understand animal laws that contain details governing the use and treatment of domestic and wild animals and help to create awareness amongst people of Jamshedpur, Tata Steel Zoological Park organized Animal Welfare Fortnight 2016 from 16<sup>th</sup> to 30<sup>th</sup> January 2016. It saw participation of 500 students from 15 different schools of the city.



