

*Kanpur Zoological Park, Kanpur  
Annual Report 2016-2017*





**Director**

Deepak Kumar, IFS

**Deputy Director**

Kewal Prasad, PFS

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Dr. Nasir

**ACF**

Ayodhya Prasad, PFS

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S.R. Singh

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## OUR MISSION

A centre committed to provide a rich habitat for wild animals, conserve nature and create empathy and compassion for wildlife.

## OUR VISION

To preserve wildlife through education, conservation and research.

## OUR VALUES

- Creating a transparent and reputed organization
- Working towards enhancement of environmental quality
- Encouraging innovation
- Being inspired and motivating others
- Promoting mutual respect and trust
- Inculcating professionalism
- Visitor-oriented
- Animal Friendly

## OBJECTIVES

Kanpur Zoological Park was started with the primary objective of working towards conservation of the rich biodiversity particularly the wild fauna. Following are the main objectives.

- Supporting conservation of endangered species
- Providing safe and appropriate natural environment for zoo animals
- Ensuring proper upkeep and maintenance of the wildlife population.
- Inspiring visitors to have compassion and empathy for wild animals & to raise public awareness on conservation of the natural resources and importance of maintaining the ecological balance
- Providing opportunities for scientific studies
- Providing the facility of rescue centre for orphaned and stray wild animals
- Providing appropriate facilities to the visitors like bicycles, battery operated vehicles, Zoo Train, clean drinking water, clean toilets, etc.



## DIRECTOR'S MESSAGE

The lush green forest of the Kanpur Zoological Park has been providing respite to the people from the hustle and bustle of city life. People visit the Zoo for recreation, educational purposes and to spend time in its serene environment. It is a thrilling experience for people of all ages to see the different species of animals housed here.



The Zoo was awarded ISO 14001 in the year 2015. Two more ISO certificates have added to its glory - **ISO 9001** for Quality Management System and **ISO 18001** for Occupational Health and Safety Management System. The year was marked with the opening of a new reptile house. People visit this house in large numbers to see different species of snakes. The much-awaited arrival of the Lion pair from Raipur was a special gift for the city dwellers. Veterinary officers and Zoo staff here have done a commendable job in captive breeding programs, rescue operations and hand rearing of abandoned leopard cubs.

*'It seems to me that the natural world is the greatest source of excitement; the greatest source of visual beauty; the greatest source of intellectual interest. It is the greatest source of so much in life that makes life worth living'*

*– Sir David Attenborough*

Special effort was put in for the creation of naturalized environment and carrying out enrichment works in the enclosures. The old wooden bridge of 1970's was reconstructed and it has now become a popular selfie point for the visitors. Keeping in view the importance of healthy aquatic life, various works were carried out for the restoration of Zoo lake. Large number of resident and migratory birds residing here have added to the beauty of the lake.

The year was significant in the sense that a large number of awareness programmes were organized in the Zoo. Seminars and various events were conducted on occasions like World Environment Day, Wild Life Week, World Wild Life Day, Bird Festival, Zoo Foundation Day, Van Mahotsav etc. Variety of activities like road show, puppet show, painting competition etc. also took place during '**Swachh Bharat**' campaign from 1<sup>st</sup> to 15<sup>th</sup> June. The participants were sensitized on the need for environmental conservation and were inspired to keep their environment clean. Training programmes were also organized for veterinary students, Zoo keepers, etc.

The Zoo witnessed record footfalls on some special days. There has also been a significant increase in the number of participants attending the awareness programmes organized here. Officers, veterinary doctors, keepers and all other staff here have been making every effort to maintain our commitments regarding proper animal care, lush greenery, cleanliness and hygiene. We hope that the zoo officials and staff will continue to work hard and meet the expectations of visitors.

With Best Wishes  
Deepak Kumar, IFS  
CCF/Director  
Kanpur Zoological Park, U.P



## DEPUTY DIRECTOR'S PEN

Kanpur zoo spread over an area of 76.56 hectares has a beautiful lake occupying an area of 18 hectares and a jungle safari area of 23 hectares. In the rest of the area, we've animal enclosures, a hospital, gardens, picnic spots, visitor's amenities etc. Efforts been made to maintain the lush green environment of the zoo having trees and plants of different species like shisham (*Dalbergiasisoo*), kanju(*Holoptelea integrifolia*), jamun (*Syzygiumcumini*), neem(*Azadirachta indica*), siras (*Albizialebeck*), babool (*Acacia nilotica*), prosopisjuliflora, semal (*Bombaxceiba*), kaitha (*Limoniaacidissima*), jungle-jalebi (*Pithecellobiumdulce*), amaltas (*Cassia fistula*) etc. A huge variety of local shrubs, bushes, creepers and grasses are also found here.



There are about 122 species of animals in captivity in the zoo. Many free ranging animals are also thriving in its premises. Some of them are rhesus monkeys, langurs, common civets, hares, porcupines, squirrels, bats, mongoose, lizards, cobras, pythons, common pea fowls, partridges, parakeets, owls and a wide variety of other birds.

Zoo Lake is one of the best examples of an aquatic ecosystem where we find floating species of aquatic weeds, submerged plants and aquatic animals like turtles, crocodiles, frogs, snails, crustaceans, crabs and many fish species. The zoo lake attracts a huge flock of water birds, both resident and local migratory, like ducks, storks, geese, egrets, herons, etc.

Bird watching is a popular recreational activity in the zoo. In the month of December 2016, zoo had organized a Bird festival in which sighting and counting of birds were done by students, NGO's and bird watchers. More than 80 species of birds were recorded. Presence of such a large number of bird species shows the avian diversity in and around the zoo.

Watching colorful insects especially butterflies is a joyful experience. Kanpur Zoo has a large variety of butterfly species – more than 60 species have been spotted here. This has encouraged us to construct a butterfly park for visitors so that more and more species of butterflies can be sighted in a small area.

The visitors are mesmerized by the amazing diversity of flora and fauna here. Visiting the zoo is not only a unique experience for them but also gives them an opportunity to become aware of the importance of environmental conservation.

My best wishes to all the zoo officials and employees.

Kewal Prasad, PFS  
Deputy Director  
Kanpur Zoological Park



## OUR STORY

The construction of the Zoological Park started in the year 1971 and was opened for public on 4th February, 1974. It is situated in the heart of the industrial city of Kanpur. The park, which is spread in an area of 76.56 hectare, is a part of lush green Allenforest. Allen forest was developed during the British rule between the years 1913 and 1918 by Mr. George Burney Allen, a famous British industrialist. It was developed on the banks of the river Ganges. Due to the efforts of Mr. George Burney Allen and the then Governor, the land was taken into Government possession. A portion of the forest area was converted into a zoological park. The park has been providing entertainment to the children and the adults since then. The lake, spread in an area of 18 hectares, is a part of the Zoo and is a good habitat for a large number of crocodiles and fishes. A variety of resident and migratory bird species visit the area and this has been a visual treat for the keen bird watchers.





## ABOUT THE ZOO

Kanpur zoological park is a government run organization. All works related to scientific management of the Zoo is done under the guidance of the Central Zoo Authority (CZA). To provide autonomy in the management of the Zoological Park, a Society was created in the year 2012.

The park is part of lush green Allen forest. Spread in an area of 76.56 hectares it provides a natural environment for the birds, animals and other creatures where they can live in simulated natural conditions without any fear for their lives. The enclosures are designed according to the modern management principles. Every enclosure has ample greenery and effort has been made to provide natural habitat ambience so that the animals could feel at home. Feeding houses constructed with squeeze cages in the enclosures of tiger, lion, leopard and other similar species are very helpful in their treatment when they are sick. Moats have been so designed in the tiger's enclosures that it has water all the year round. Visitors love to see tigers enjoy playing with water. Many more enclosures have been added to accommodate other animals and birds. Though many enclosures, buildings and roads have been constructed in the zoo premises, a vast area in the form of dense forest has been left undisturbed. The zoo campus has a wide variety of herbs, shrubs and trees. A wide variety of free ranging animals like crocodiles, monkeys, civets, hares, porcupines, bats, squirrels, mongoose, lizards, snakes, peacock etc. are also found in the zoo. A well-equipped veterinary hospital takes care of the health of animals. For the visitors, the Zoo has good facilities like pure drinking water, clean toilets, beautiful lawns with benches, six lake viewpoints, six picnic spots, canteens, etc.

At present the Zoo has 1294 wild animals of 122 species. Many new structures like Walk through aviary, Reptile House, enclosures for ghariyal, turtles, wild boar, canidae family, etc. have been constructed. The zoo is a designated breeding center for swamp deer and is a participating zoo for Indian rhinoceros. It has a good breeding history of both endangered & exotic species. Undoubtedly, the park has been playing an important role in the preservation of wildlife.



## KANPUR ZOO AT A GLANCE

<b>Area of Zoo</b>		
<b>Zoo Lake</b>		18.00 ha.
<b>Jungle Safari</b>		18.56 ha.
<b>Animal enclosures</b>		40.00 ha.
<b>Total</b>		<b>76.56 ha</b>
<b>Captive animals and birds as on 31.03.2017</b>		
<b>Species</b>	<b>No. of species</b>	<b>Strength</b>
<b>Mammals</b>	35	237
<b>Birds</b>	45	453
<b>Reptiles</b>	14	297
<b>Fishes</b>	28	307
<b>Total</b>	<b>122</b>	<b>1294</b>
<b>Animal houses</b>		
<b>Dry Moat Enclosures</b>		31
<b>Wet Moat Enclosures</b>		5
<b>Enclosures without Moat</b>		5
<b>Reptile House</b>		1
<b>Fish House</b>		1
<b>Nocturnal House</b>		1
<b>Walk in Aviary</b>		1
<b>Pheasantry</b>		8
<b>Birds' Aviary</b>		12
<b>Monkey House</b>		4
<b>Birds of Prey</b>		1
<b>Sarus Enclosure</b>		1
<b>Turtle Enclosure</b>		3
<b>Leopard Enclosure</b>		4
<b>Zoo Timings</b>	Feb. to April	9.00 AM to 5.15 PM
	May to July	9.00 AM to 5.30 PM
	Aug. to Oct.	9.00 AM to 5.30 PM
	Nov. to Jan.	9.00 AM to 4.30 PM
	Holiday on every Monday	





## FACILITIES IN KANPUR ZOO





## ACHIEVEMENTS

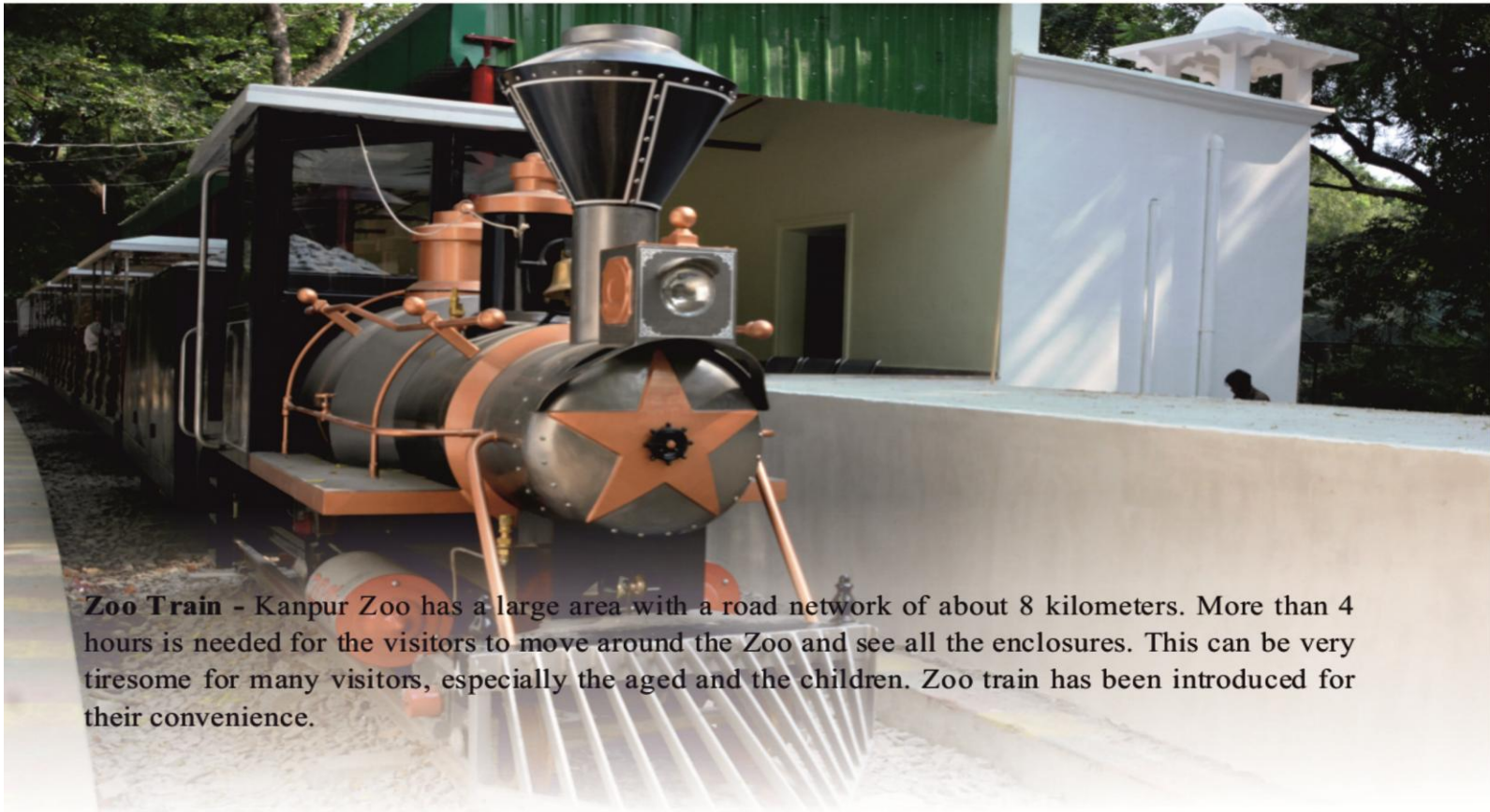
1. The zoo was awarded **ISO 9001** certificate in Quality Management System for providing Administration and Operational Control of all zoo activities including good quality facilities to the customer and **ISO 18001** certificate in Occupational Health & Safety Management System for providing proper health care and adequate safety measures for zoo animals and employees.
2. Proper monitoring of breeding programmes resulted in successful breeding of hyena, fox, birds, monkeys, different species of deers and antelopes and many other wild animals.
3. Effective Veterinary facilities and animal care resulted in a low mortality rate.
4. Successful mass awareness programmes conducted by the zoo motivated industrialists, company heads and individuals to adopt Zoo animals. Total adoption money amounted to Rs 26.20 Lakhs.
5. To minimize vehicular pollution, ban on entry of vehicles inside zoo was strictly imposed and environment friendly modes of transport like zoo train, battery operated vehicles, bicycles, etc. were provided to the visitors.
6. Opening of the Reptile House and enrichment works in enclosures like that of ghariyal, turtles, wild boar, canidae family species and pheasantry were carried out. Enrichment of walk through aviary was also carried out. All these enclosures have become quite popular with the visitors.
7. Zoo lake restoration and its management were done for healthy aquatic life which resulted in the arrival of a large number of resident and migratory birds. In the Bird Festival organized in the month of December, more than 80 species of birds were sighted in and around the lake area.
8. Proper monitoring of the facilities provided to the visitors like pure drinking water (RO system), toilets, benches, shades, lawns, food court, children's park etc. were carried out.
9. Proper Upkeep and better facilities resulted in a record number of visitors – **more than 22,000 visitors** on some special days like 1st January, 15<sup>th</sup> August, 26<sup>th</sup> January, etc.
10. Many awareness programmes were organized all throughout the year. Special awareness drive carried on occasions like World Environment Day, Wild Life Week, World Sparrow Day, World Wild Life Day, Bird Festival, Zoo Foundation Day, Save Environment Campaign, Van Mahotsav etc.
11. Many activities like road show, puppet show, painting competition etc were carried out during **Swachh Bharat Abhiyan from 1<sup>st</sup> to 15<sup>th</sup> June**. Several awareness programmes were also conducted in which many schools and colleges participated. The students were motivated to work for environmental conservation and were also inspired to keep their environment clean.
12. Free Eye Camp for Zoo staff and visitors in which more than 1000 people underwent eye check-up.
13. Training on 'Record keeping, identification and marking of animals in Captivity' from 27<sup>th</sup> February to 5<sup>th</sup> March was organized by Kanpur Zoo in which 35 zoo keepers from north Indian zoos attended.
14. Successful rescue operations for stray wild animals like leopards, snakes, monkeys, birds etc. were carried out by the Zoo team in different parts of the state.



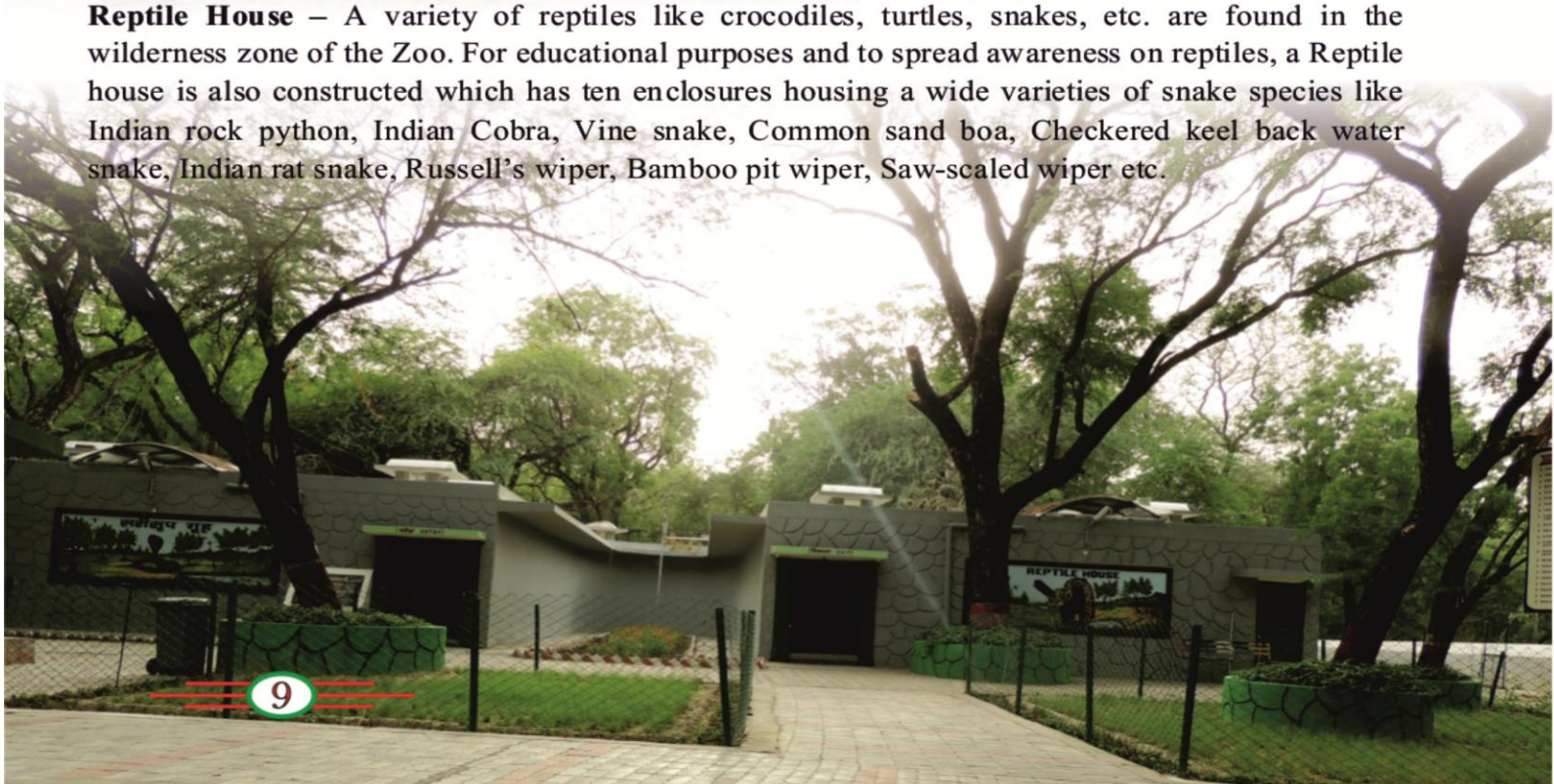
## SPECIAL ATTRACTIONS

Kanpur Zoo provides a dean, green & healthy environment to the visitors living in a highly polluted industrial city. It is one of the few places where people come to relax and enjoy the beauty of nature.

Following are the special attractions:

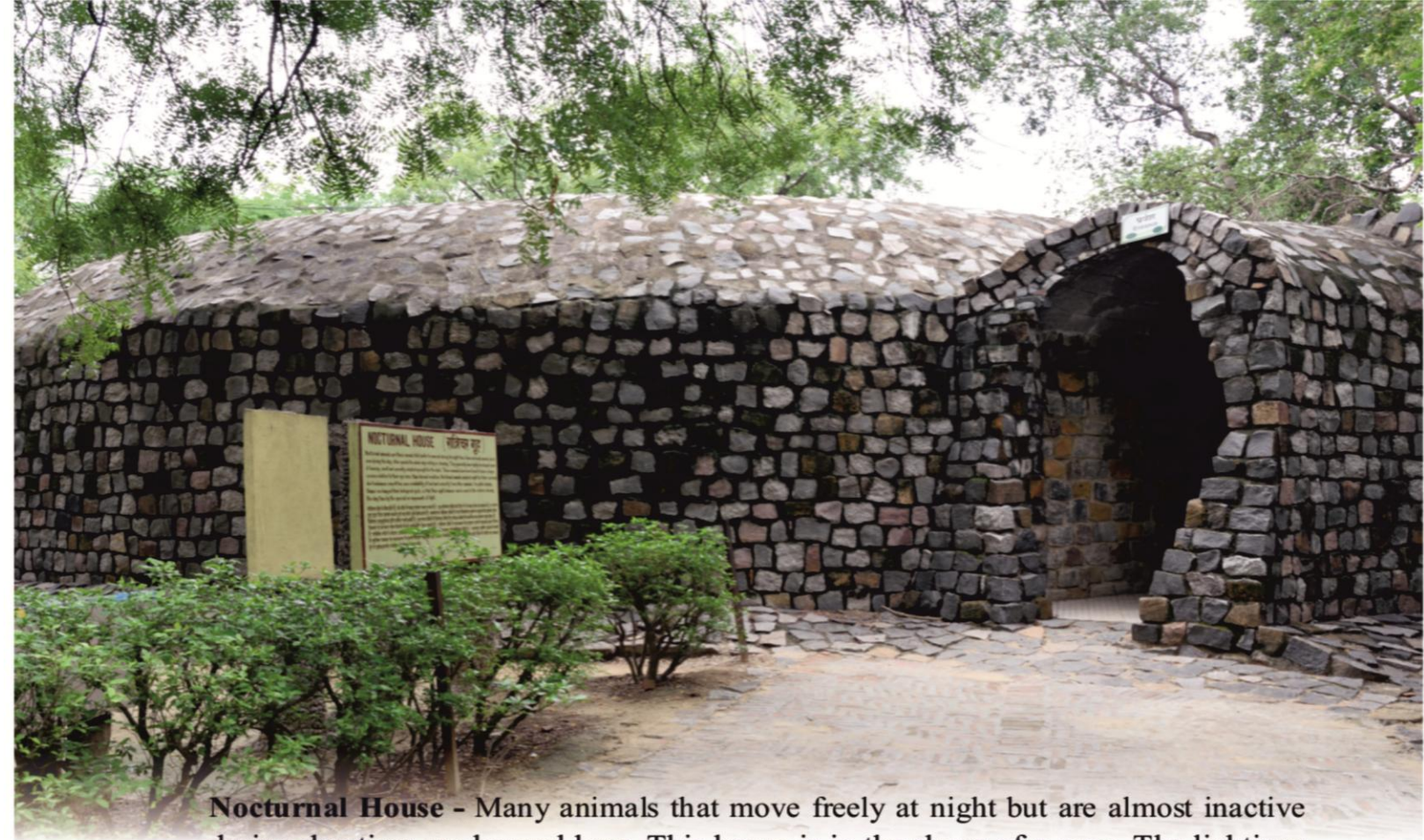


**Zoo Train** - Kanpur Zoo has a large area with a road network of about 8 kilometers. More than 4 hours is needed for the visitors to move around the Zoo and see all the enclosures. This can be very tiresome for many visitors, especially the aged and the children. Zoo train has been introduced for their convenience.



**Reptile House** – A variety of reptiles like crocodiles, turtles, snakes, etc. are found in the wilderness zone of the Zoo. For educational purposes and to spread awareness on reptiles, a Reptile house is also constructed which has ten enclosures housing a wide varieties of snake species like Indian rock python, Indian Cobra, Vine snake, Common sand boa, Checkered keel back water snake, Indian rat snake, Russell’s wiper, Bamboo pit wiper, Saw-scaled wiper etc.





**Nocturnal House** - Many animals that move freely at night but are almost inactive during day time are housed here. This house is in the shape of a cave. The lightings in these enclosures give us an opportunity to observe the nocturnal activities of the animals.

**Walk Through Aviary** - A walk through aviary, spread in an area of 2 hectares, is a centre of attraction for the visitors. It houses a wide variety of birds like pelicans, jungle fowls, painted storks, demoiselle cranes, ducks, spoonbills, night heron, grey heron, black ibis, cormorants, etc. Eggs laid by these birds can be seen inside this aviary.







**Aquarium** - The aquarium at Kanpur Zoo was opened for the public in the year 2003. It has been constructed in the shape of a tortoise and 28 different species of fishes can be seen here.

**Aviary** - The existing structures housing the birds have been renovated and provided with proper enrichments, nesting boxes and perching materials. For safety of the birds, vegetative screening and stand-off barrier have also been provided.







**Pheasantry** - Pheasantry with eight pens accommodate the pheasants..

**Exhibits on Dinosaurs T-Rex and Diplodocus** – These huge stone structures are unique and fascinate both children as well as the adults.







**Battery Operated Vehicle** – For the convenience of the visitors especially the elderly and the physically challenged, battery operated vehicles are available on payment for an hourly trip around the Zoo.



**Children's Park** - The Children's Park is situated near the main entrance and is a great attraction for the kids.



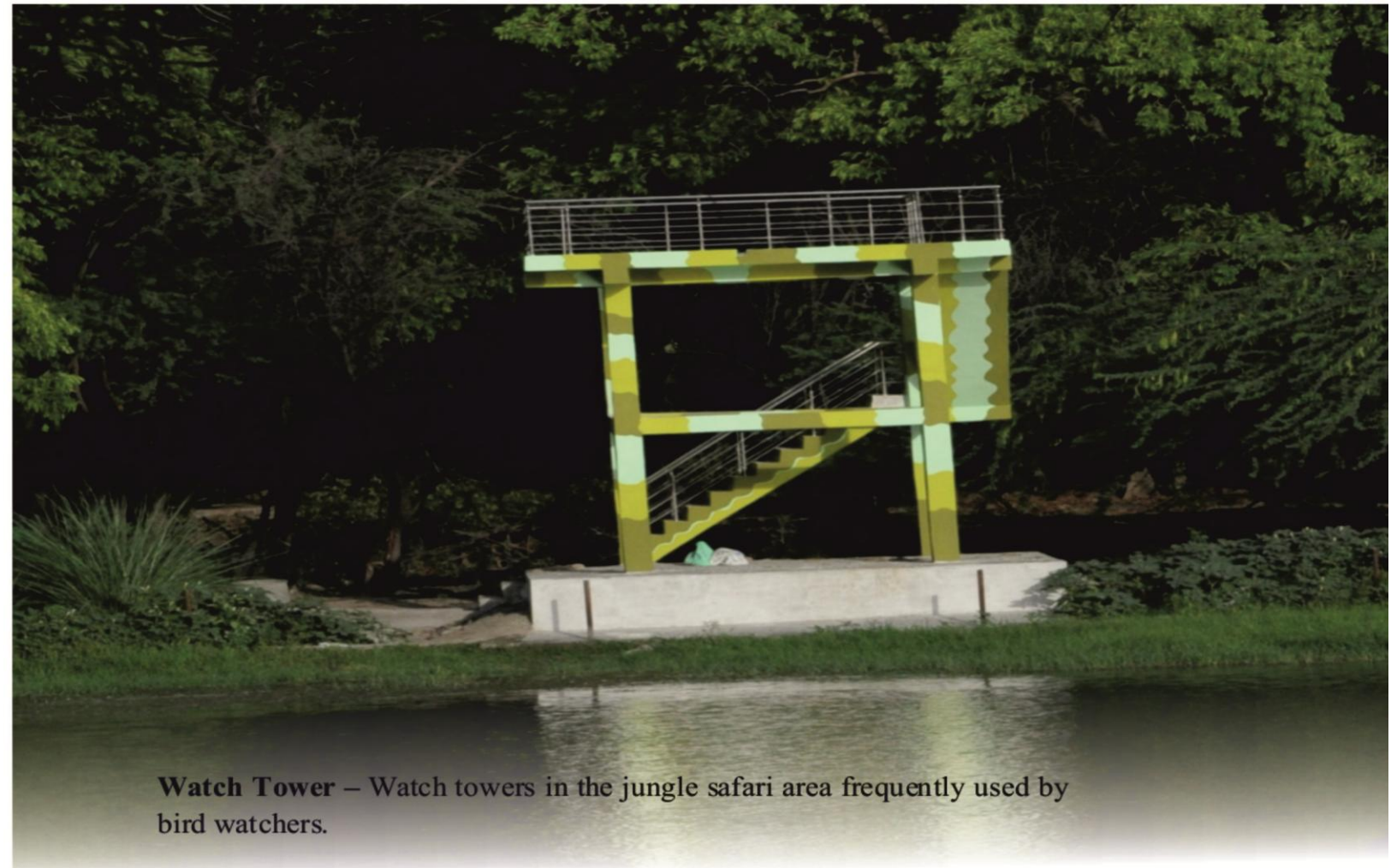


**Birds of Prey** - An enclosure for vultures and other prey birds houses species like Red Headed Vulture, Egyptian Vulture, Kite, Griffon, Shikra etc.

**Beautiful Lake** - A vast lake with an area of about 18 hectares attracts a large number of resident and migratory birds which nest and breed here. The lake has become an ideal location for *in situ* conservation of these birds.







**Watch Tower** – Watch towers in the jungle safari area frequently used by bird watchers.

**View Points, Picnic Spots and Nature trail** - Nature trail in the jungle safari area has 3 picnic spots and 3 viewpoints. Dense forest in this area forms a rich biodiversity and is a popular bird watching centre.





## VISITORS' AMENITIES

- Drinking Water Kiosks
- R.O. Water Plant
- Clean Toilets at convenient locations
- Signages
- Snacks & Ice - Cream Bars
- Parking Facility
- Wheel chairs for differently abled persons
- Souvenir Shop
- Sheds/sit outs/ rest areas
- Cloak Room

### **Admission Fees**

#### **Entry Fee:**

Indians (Above 12 yrs.)	- Rs. 30/-
Children (Age group 5-12 yrs.)	- Rs. 15/-
Foreign Visitors	- Rs. 100/-
Differently abled person & Children below 5 years	- FREE
Camera fee	- Rs. 50/-

#### **Aquarium**

Adult (Above 12)	- Rs. 10/-
Children (Age group of 5-12)	- Rs. 5/-

#### **Battery Operated Vehicle**

Adult (Above 12)	- Rs. 30/-
Children (Age group of 5-12)	- Rs. 15/-

#### **Zoo Train**

Adult (Above 12)	- Rs. 50/-
Children (Age group of 5-12)	- Rs. 25/-



## **DEVELOPMENT WORKS OF THE ZOO**

Development works in the Zoo include renovation of existing enclosures, construction of new ones to house the newly arrived animals and maintenance of Zoo infrastructure.

### **Major developmental works carried out during the year 2016-17**

- Extension of night cell and construction of parturition chamber in the lion enclosure.
- Construction of feeding room for snakes
- Construction of retaining walls
- Laying of interlocking tiles
- Renovation of Jungle Cat enclosure
- Construction of shades
- Installation of sprinkler system in different enclosures
- Renovation of wooden bridge
- Air Compressor for aeration system of zoo lake
- Construction of hanging bridge across the lake
- Repairing of roads
- Maintenance of CCTV cameras
- Enrichment of Reptile House and other Enclosures

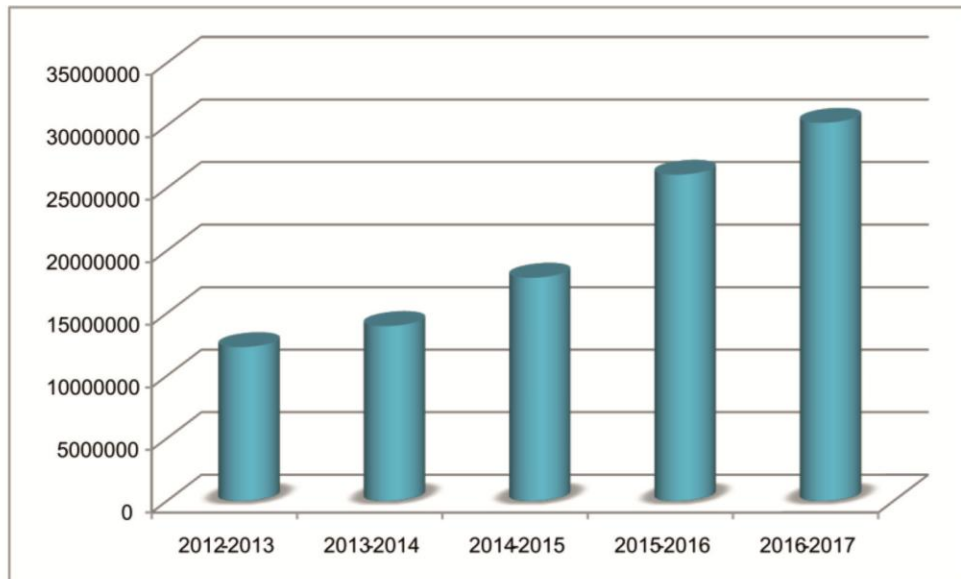


## FINANCIAL DETAILS

### Revenue Collected

Revenue Realized in the last 5 years are shown in the table below:

Year	Amount
2012-2013	1,23,02,112.00
2013-2014	1,39,88,803.00
2014-2015	1,78,49,210.00
2015-2016	2,60,83,046.00
2016-2017	3,02,32,324.00





### Statement of Expenditure for the Financial Year 2016-17

S.No	Expenditure Head	Amount (in Rs)
Non plan		
1	Establishment & other allowances	3,44,11,825.00
2	Feeding, Maintenance and Renovation	2,02,50,000.00
3	Development of Zoo/ miscellaneous	1,28,21,000.00
	Sub total	<b>6,74,82,825.00</b>
4	Deposits	7,16,000.00
	Total	<b>6,81,98,825.00</b>



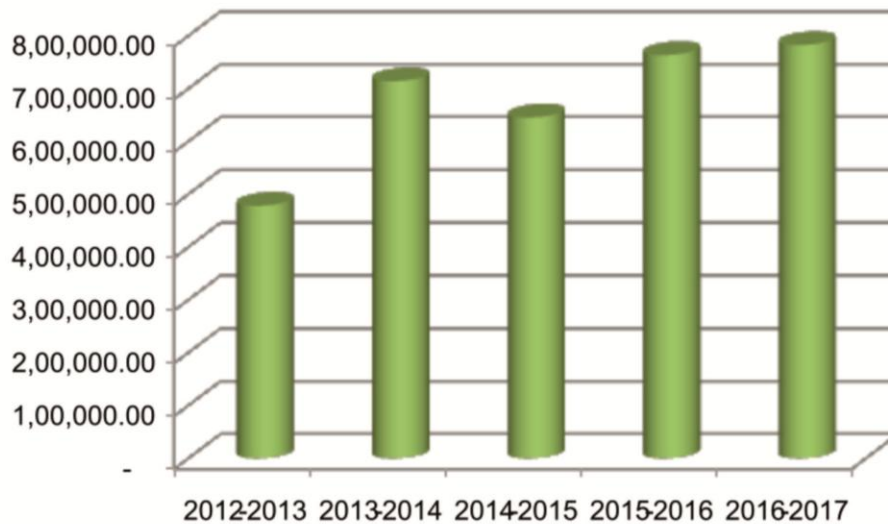


## VISITORS

In the recent years, the Zoo has been witnessing an increase in the number of visitors. More than 22,000 people visited on some special days like 15<sup>th</sup> August, 1<sup>st</sup> January, 26<sup>th</sup> January, etc. Annual trend in footfalls is as below:

### Number of visitors

Year	Amount
2012-2013	4,78,145.00
2013-2014	7,13,966.00
2014-2015	6,45,197.00
2015-2016	7,63,446.00
2016-2017	7,82,316.00





## Details of visitors in the year 2016 – 2017

Month	No. Of Visitors			
	Adults	Sub-Adults	Ed. Inst.	Total
April	27,496	2,640	284	30,420
May	44,261	4,649	687	49,597
June	59,996	10,229	291	70,516
July	61,589	8,258	35	69,882
August	55,394	4,183	351	59,928
September	40,365	2,672	1,485	44,522
October	29,173	1,477	2,878	33,528
November	43,413	3,430	14,251	61,094
December	51,351	4,844	7,073	63,268
January	90,148	9,551	1,294	1,00,993
February	43,500	3,459	4,831	51,790
March	38,706	3,699	4,373	46,778
<b>Total</b>	<b>5,85,392</b>	<b>59,091</b>	<b>37,833</b>	<b>6,82,316</b>
Visitors during Wild Life Week				22000
Visitors during other Events				26435
Visitors below 5 years				37656
Others				13909
<b>Grand Total</b>				<b>7,82,316.00</b>



## HUMAN RESOURCE

Kanpur Zoological Park is under the administrative control of Uttar Pradesh Forest Department. Employees in the Zoo include permanent government staff, people working on contract and outsourced workers.

### **Staff Details (as on 31st March 2017)**

<b>S.No</b>	<b>Designation</b>	<b>Sanctioned strength</b>	<b>Permanent</b>	<b>Vacancy</b>	<b>Contract</b>	<b>Outsourcing</b>
1	Director	1	1	0	0	0
2	Veterinary Officer	1	1(Deputation)	0	2	0
3	Dy. Director / ACF	0	1	0	0	0
4	Range Officer	2	2	0	0	0
5	Draft Man	1	1	0	0	0
6	Accountant	1	0	1	1	0
7	Senior Assistant	3	2	1	0	0
8	Junior Assistant	3	2	1	0	0
9	Store Keeper	1	0	1	0	1
10	Assistant Veterinarian	1	0	1	0	0
11	Forester	4	4	0	0	0
12	Biologist	0	0	0	1	0
13	Education Officer	0	0	0	1	0
14	Compounder cum Pharmacist	0	0	0	1	0
15	Wildlife Guard	5	5	0	0	0
16	Driver	1	0	1	0	7
17	Booking Clerk	3	2	1	0	2
18	Ticket Checker	2	2	0	0	0
19	Zoo Keeper	13	8	5	0	4
20	Pump Operator	2	0	2	0	1
21	Electrician	1	0	1	0	1
22	Carpenter	1	0	1	0	1
23	Mason	1	1	0	0	0
24	Mahawat	2	1	1	0	0
25	Orderly	3	3	0	0	0
26	Cook	2	2	0	0	0
27	Food Distributor	2	2	0	0	0
28	Chowkidar	19	14	5	0	9
29	Mali	10	9	1	0	0
30	Sweeper	12	10	2	0	12
31	Part time Sweeper	1	0	1	0	0
	<b>Total</b>	<b>100</b>	<b>73</b>	<b>26</b>	<b>6</b>	<b>38</b>





## *Certificate of Registration*

(Occupational Health & Safety Management System)

**KVQA CERTIFICATION SERVICES PVT. LTD.**

This is to certify that the Occupational Health & Safety Management System of

**KANPUR ZOOLOGICAL PARK**

**Azad Nagar, Nawabganj, Kanpur-208002, U.P., India.**

Has been assessed and found to be in accordance with the requirements of standard detailed below

**OHSAS 18001:2007**

**This certificate is valid for the following product or service range**

**Providing Proper Healthcare and Adequate Safety Measures  
for Zoo Animals and Employees.**

1<sup>st</sup> Surveillance Due On: 20/05/2017: Done On:  
2<sup>nd</sup> Surveillance Due On: 20/05/2018: Done On:

**Certificate No: IOSC201606005**

Date Of Issue: 20, June, 2016

Valid Until: 19, June, 2019\*

Issued by

Authorised signatory KVQA



JAS-ANZ is the government-appointed accreditation body for Australia and New Zealand responsible for providing accreditation of conformity assessment bodies (CABs) in the fields of certification and inspection. Accreditation by JAS-ANZ demonstrates the competence and independence of these CABs.

Accredited by a member of IAF's MLA for Quality Systems

To Check the Status of the Certification kindly log on to [www.kvqa.in](http://www.kvqa.in)  
F-300, Sector -63, Noida U.P., India. Ph-011-22711940, 22711941, email: [delhi@kvqa.in](mailto:delhi@kvqa.in)

\*Subject to successful completion of surveillance audits





**KVQA**

## *Certificate of Registration*

(Quality Management System)

**KVQA CERTIFICATION SERVICES PVT. LTD.**

This is to certify that the Quality Management System of

**KANPUR ZOOLOGICAL PARK**

**Azad Nagar, Nawabganj, Kanpur-208002, U.P., India.**

Has been assessed and found to be in accordance with the requirements of standard detailed below

**AS/NZS ISO 9001:2008/ISO 9001:2008**

**This certificate is valid for the following product or service range**

**Providing Administration and Operational Control for All Zoological Park Activities Including Good Quality Facilities to the Customers.**

1<sup>st</sup> Surveillance Due On: 21/05/2017: Done On:  
2<sup>nd</sup> Surveillance Due On: 21/05/2018: Done On:

**Certificate No: IQSC201606044**  
Date Of Issue: 21, June, 2016  
Valid Until: 20, June, 2019\*



Issued by

Authorised signatory KVQA

\* The ISO 9001:2008 certificate will be valid till 14/03/2018 & there after its validation ceases if its not converted to latest ISO 9001:2015 Version before 14/03/18

**JAS-ANZ**



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www.jas-anz.org

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Accredited by a member of IAF's MLA for Quality Systems

To Check the Status of the Certification kindly log on to [www.kvqa.in](http://www.kvqa.in)  
F-300, Sector -63, Noida U.P., India. Ph-011-22711940, 22711941, email: [delhi@kvqa.in](mailto:delhi@kvqa.in)

\*Subject to successful completion of surveillance audits



## INAUGURATION OF REPTILE HOUSE





## ANIMALS IN OUR STOCK

<b>Animals' Summary</b>				
<b>01-04-2016 TO 31-03-2017</b>				
<b>Opening stock as on-01-2016</b>				
	<b>MALE</b>	<b>FEMALE</b>	<b>UNIDENTIFIED</b>	<b>TOTAL</b>
<b>Schedule 1&amp;2</b>	59	56	302	417
<b>Schedule 3&amp;4 &amp; exotics</b>	74	99	698	871
<b>TOTAL</b>	<b>133</b>	<b>155</b>	<b>1000</b>	<b>1288</b>
<b>Closing stock as on 31-03-2017</b>				
	<b>MALE</b>	<b>FEMALE</b>	<b>UNIDENTIFIED</b>	<b>TOTAL</b>
<b>Schedule 1&amp;2</b>	219	57	184	460
<b>Schedule 3&amp;4 &amp; exotics</b>	48	82	704	834
<b>TOTAL</b>	<b>267</b>	<b>139</b>	<b>888</b>	<b>1294</b>

### **Animals' Birth Details**

<b>S.No.</b>	<b>SPECIES NAME</b>	<b>ANIMAL NAME</b>	<b>BIRTHS</b>		
			<b>M</b>	<b>F</b>	<b>U</b>
<b>Endangered Species (Schedule I and II )</b>					
1	Mammal	Black Buck ( Krishna Mrig)	0	0	5
2	Mammal	Deer Browantlered (Sangai)	0	0	3
3	Mammal	Deer Swamp ( Barasingha )	0	0	2
4	Mammal	Jackal	0	0	2
		<b>Total</b>	0	0	12
<b>Species (Schedule III and IV )</b>					
1	Bird	Fowl Jungle Red	0	0	4
2	Mammal	Deer Barking(Kakar)	0	0	5
3	Mammal	Deer Spotted (Chital)	0	0	3
4	Mammal	Goral	0	1	0
5	Mammal	Hyaena Stripped	0	0	1
6	Mammal	Pig Wild - Wild Boar	0	0	3
		<b>Total</b>	0	1	16
<b>Exotic Species</b>					
1	Bird	Emu	0	0	3
		<b>Total</b>	0	0	3



## Animals' Mortality Details

S.No.	SPECIES NAME	ANIMAL NAME	DEATHS		
			M	F	U
<b>Endangered Species (Schedule I and II )</b>					
1	Bird	Peafowl	0	1	0
2	Mammal	Black Buck ( Krishna Mrig)	2	3	0
3	Mammal	Cat Fishing	1	0	0
4	Mammal	Cat Jungle	0	1	0
5	Mammal	Cat Leopard	1	1	0
6	Mammal	Deer Browantlered (Sangai)	3	1	0
7	Mammal	Deer Swamp ( Barasingha )	5	0	0
8	Reptile	Crocodile Marsh ( Mugger )	0	1	0
<b>Total</b>			12	8	0
<b>Species (Schedule III and IV )</b>					
1	Bird	Cormorant Little	2	0	0
2	Bird	Duck Comb	0	1	0
3	Bird	Duck Spotbill	1	0	0
4	Bird	Pelican Rosy / White	0	1	0
5	Mammal	Deer Barking (Kakar)	1	0	0
6	Mammal	Deer Hog	1	1	0
7	Mammal	Deer Sambar	0	1	0
8	Mammal	Deer Spotted (Chital)	5	0	0
<b>Total</b>			10	4	0
<b>Exotic Species</b>					
1	Bird	Dove Diamond	1	1	0
2	Bird	Pheasant Golden	1	0	0
3	Bird	Pheasant Ring Necked	1	2	0
4	Bird	Pheasant Silver	2	0	0
5	Mammal	Deer Sika	0	1	0
<b>Total</b>			5	4	0





## **ANIMAL CARE: VETERINARY FACILITIES**





## ZOO HOSPITAL

Kanpur zoo hospital, popularly known as 'Wildomestic Hospital', has a separate campus within the Zoo premises. The chief objective of the hospital is to provide adequate care and treatment to the sick and injured animals. The new hospital building was inaugurated in the year 2001 and several other structures were added later on. A new operation theatre with supporting rooms has also been constructed. In case of medical emergency, surgery is carried out here. The officers and staff of the hospital also supervise the shifting and transportation of zoo animals.

## VETERINARY ACTIVITIES

All the activities related to animal care and management are carried out under the supervision of three veterinary officers Dr. U.C. Srivastava, Dr. R.K. Singh and Dr. Mohd. Nasir. A biologist, a pharmacist and two other subordinates assist them in their works. Other than routine hospital operations, veterinarians perform many other functions. They carry out daily inspection of animal feed, regular checking of health of the animals and interaction with the zoo keepers. Other activities include frequent visits to animal enclosures, timely screening of animals for any parasitic infection and checking whether adequate and good quality feed (concentrate, green fodder, fruits, vegetables, meat, etc.) and sufficient water is being supplied or not? They conduct studies on animal behavior and compatibility of animals in groups/herds. They maintain animal records which include animal history cards and treatment sheets. They are also take responsibility for putting identification marks on the newly acquired/newly born animals and providing special diet for pregnant females, nursing mothers, infirm and sick animals. The veterinarians conduct postmortem of the dead animals to find out the cause of death and also devise strategies to keep animal mortality rate at the lowest. Disinfection and prophylactic treatment schedules are prepared by the them. Zoo vets play a vital role in captive breeding of wild animals, especially the endangered ones. They also conduct training programmes for interns of Veterinary Colleges, zoo keepers, etc. on topics like ecology, animal behavior, animal welfare, rescue operations etc.



## INFRASTRUCTURE AND EQUIPMENTS

The hospital has separate indoor wards for different categories of animals like herbivores, carnivores, birds and aquatic animals. There is an operation theatre having modern surgical facilities, pathology lab, library, treatment room etc.

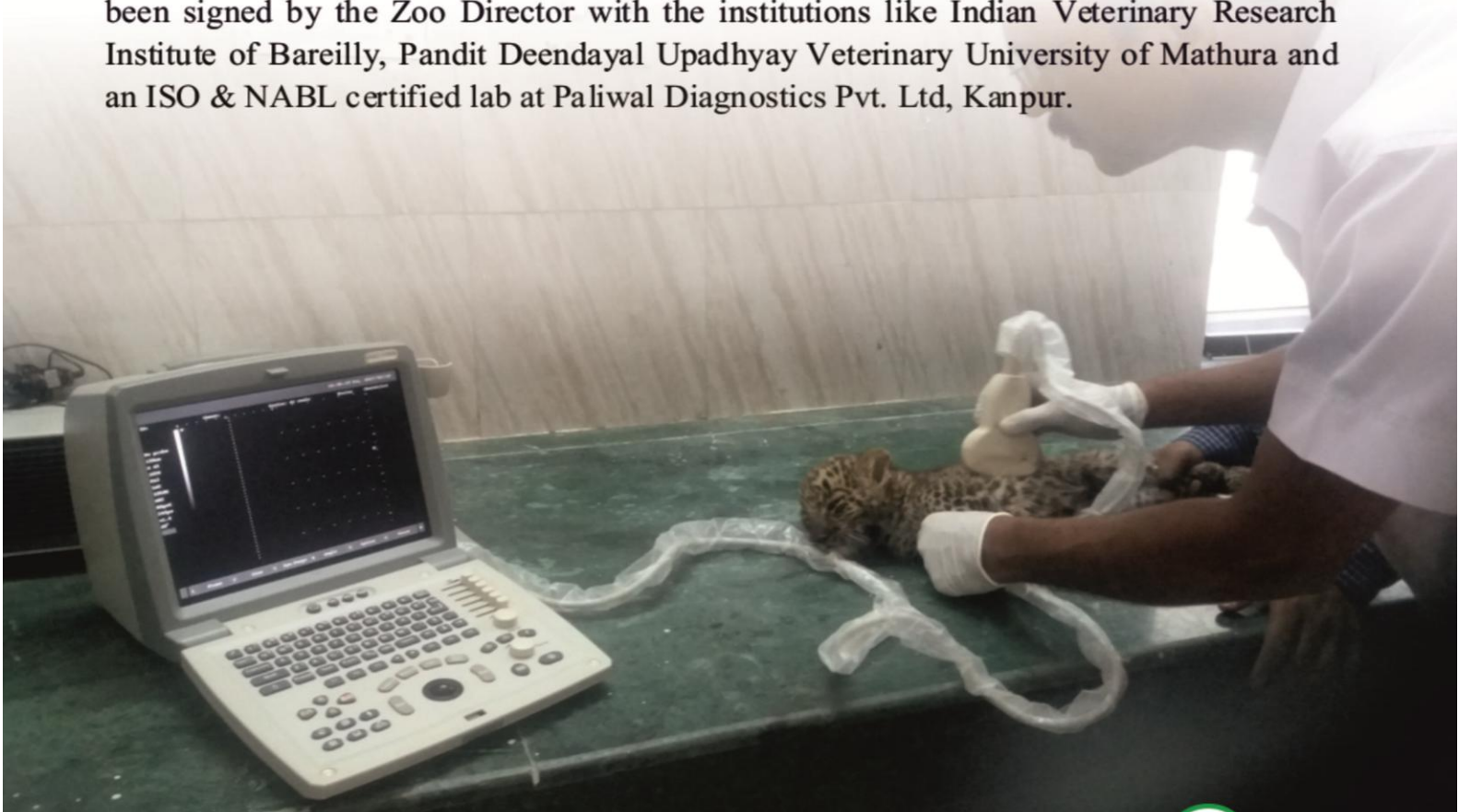
The hospital is well-equipped with facilities like X-ray machine, ultrasonography machine, pulse oximeter, oxygen assembly, etc. It has telescopes, tranquilizing drugs, cages for different animals and high range darting guns. Rescued wild animals are also brought here for treatment. Many cages are available here for capture, transportation and transfer of wild animals.

## ANIMAL EXCHANGE PROGRAMMES

Animal exchanges are considered crucial for the preservation of genetic diversity of animals outside their original habitat. Many animal exchange programmes have been carried out here. The purpose of such programmes is introduction of new species and facilitating blood exchange among species. This also prohibits inbreeding thus leading to low mortality rate.

## MOU WITH OTHER INSTITUTIONS

Mostly cases related to diseases in animals are diagnosed and treated here at Kanpur Zoo by the vets. For complicated cases in which special treatment is needed, an MOU has been signed by the Zoo Director with the institutions like Indian Veterinary Research Institute of Bareilly, Pandit Deendayal Upadhyay Veterinary University of Mathura and an ISO & NABL certified lab at Paliwal Diagnostics Pvt. Ltd, Kanpur.





## SALIENT ACHIEVEMENTS

- Successful hand rearing of orphaned one month old leopard cubs brought from Amroha.
- Surgical treatment of deep seated trauma intervening the antler in Sikka deer males.
- Treatment of dermatological disorders in cobra, vipers and Indian rock python.
- Successful breeding of Striped hyena, Thamin deer, Black buck, Swamp deer, Bonnet monkey, etc.
- Exchange of animals with Raipur zoo, Guwahati zoo, TSA (Turtle Survival Alliance) Chambal, CARI, Izatnagar and Lion safari parks, Etawah.
- Wild animals brought by social forestry divisions/general public and confiscated animals like birds, reptiles, etc were treated successfully and later released in natural habitat.
- The rescue operations for wild animals such as leopard, fox, Hanuman langurs, Rhesus monkey and deers were carried out successfully from across the state.
- In case of emergency, provided assistance in treatment of lions at Lion safari parks, Etawah.
- Administrative officers, forest officers, foresters and forest guards were provided training on different aspects of wildlife management and rescue operations..
- Kanpur zoological park has been recognized and given the privilege to train Internees from veterinary university, Mathura. During the year 2016-17, a total of 40 internees were trained on wild animal breeding, treatment methods, rescue operations and zoo management practices.
- A number of research articles were published in various international journals.
- The new terminology for captive wild animals “WILD DOMESTIC” got vast recognition among wild lifers, national and international journals and institutions. The word is in the process of being included in several lexicons.
- Due to the continuous efforts put in by the veterinarians, the mortality rate of captive animals is decreasing.
- Under the guidance of CZA, zoo keepers from different zoos of northern India were trained on ‘Animal marking techniques and record keeping’.





## TRAINING PROGRAMMES

Kanpur Zoological Park conducts training programmes for the veterinary students every year. Forty final year B.V.Sc.&A.H students of the Veterinary College, Mathura attended the internship programme in 2016-17. Training module designed for the interns included the following topics:

1. Introduction to wildlife and study of their habitat, behaviour and communication.
2. Man-animal conflict, rescue operations and release of rescued wild animals into their natural habitat.
3. Purpose of keeping the wild animals in a zoo - basic objectives of CZA (Central Zoo Authority of India)
4. Care of wild animals in captivity with special emphasis on feeding, hygiene, health, captive breeding, etc.
5. Behavioral changes in animals kept in captivity.
6. Restraining animals (immobilization) by manual or mechanical means for the purpose of examination, collection of samples, drug administration, therapy, etc.
7. Practical demonstration of basic diagnostic tools and techniques used for collecting urine/faecal/blood samples and the use of ultrasonography.
8. Sterilization procedures and techniques.
9. Conservation breeding of species especially the endangered ones.
10. Neonatal care.
11. Post mortem techniques and disposal of all types of zoo waste.
12. Zoonotic diseases – prevention and cure.

Apart from this post graduate students from IVRI, Izatnagar, college of veterinary science, Pantnagar and college of veterinary science, Jabalpur were also provided assistance on wildlife studies.





## LIST OF RESEARCH PAPERS PUBLISHED IN THE YEAR 2016-17

1. Kanpur zoo lake: Revitalization of a self-sustaining ecosystem and urban biodiversity. ZOO's PRINT, Volume XXXI, Number 6, June 2016, page- 10-12.
2. Genotypic study of verocytotoxic Escherichia coli isolates from deer by multiplex polymerase chain reaction, Veterinary World, 9(8): 919-921.
3. Visitors Enrichment- An indispensable perspective in Zoo Management. ZOO's PRINT, Volume XXXI, Number 11, November 2016, page- 19-21.
4. New reptile exhibit in Kanpur Zoological Park, Kanpur, India; ZOO's PRINT, Volume XXXI, Number 12, December 2016; Page- 11-14.
5. An overview of Post Mortem lesions affecting vital organs of Kanpur zoo inmates. Abstracts, National congress on wildlife health and annual convention of association of AIZWV, 6-7 Jan 2017, ICAR-IVRI, IZATNAGAR, INDIA. Page-45.
6. A study on Reproductive behavior of great Indian one-horned rhinoceros in captivity. Abstracts, National congress on wildlife health and annual convention of association of AIZWV, 6-7 Jan 2017, ICAR-IVRI, IZATNAGAR, INDIA. Page-156.
7. Zoo Keepers Enrichment - The Basic Tool of Zoo Management, Zoo's Print Vol. 32 ;No. 3 page- 36-41.



## PREVENTIVE MEDICATION SCHEDULE

Kanpur Zoo strictly follows the month wise preventive medication schedule in accordance with the latest scientific journals. This schedule is regularly monitored by the veterinary officers. There is a separate medication schedule for summer and winter. Apart from medication, Zoo vets regularly check the fodder quality to ensure proper nutrition to the animals. To know about the outbreak of any infectious or contagious disease among domestic and feral animals, they keep visiting areas along the periphery of the Zoo.

**Pest control** is a great challenge in a Zoo spread in a large area. Here at Kanpur zoological park, the menace of rodents is efficiently addressed by regular pest control measures. It is done twice a year with the help of experts from Pest Control of India.





## GUESTS DURING THE YEAR

**Hon'ble Minister (Wildlife) Dr. S.P.Yadav** inaugurated the 'Reptile House' on 23<sup>rd</sup> May 2016. He also laid the foundation stone of the Butterfly Park. He inspected the zoo and praised the work done by the staff and officials.

**Mr. Mohd. Ahsan**, Retd. PCCF and an active member of Kanpur Prani Udyan Prabandh Evam Vikas Society visited the zoo and gave valuable suggestions. His comments *"Kanpur Zoo on continuous march to transformation. The Zoo has lots of greenery, almost green lung of the city."*

**Mr. Roman Horsky, Director Zlin-Lesna Zoo, Czech Republic** visited the Zoo on 30<sup>th</sup> April 2016. He expressed his views in the following words:

*"Thank you very much for your hospitality. We are happy to see your Zoo, walk through aviary. We saw many interesting animals in very good shape. I wish Zoo many visitors and success in breeding."*

**Dr.V.Shubhalaxmi**, a famous lepidopterist, Founder & CEO of Ladybird Environmental Consulting LLP visited the Zoo as a consultant for the Butterfly Park.

**Actor Pankaj Dheer, Nikitin Dheer and Kritika Sengar** visited Zoo on 10<sup>th</sup> February.





## AWARENESS DRIVES

One of the main aims of Kanpur Zoological Park is to create awareness on wildlife conservation and to make people feel empathetic towards the wild animals. With more than 8.0 lakh visitors from diverse backgrounds coming to zoo every year, it is a big challenge for us to educate them. We want visitors to enjoy the experience of being in nature and develop affection towards animals. For this, a variety of educational programmes are organized during wildlife week and on other occasions. School children are encouraged to participate and contribute in these awareness programmes. Special attention is paid to young students so that they grow up to become nature friendly.

**World Earth Day** was celebrated on 22<sup>nd</sup> April 2016. Children of Allen House Public School, Kanpur participated in the event and gifted medicinal plants to the zoo director

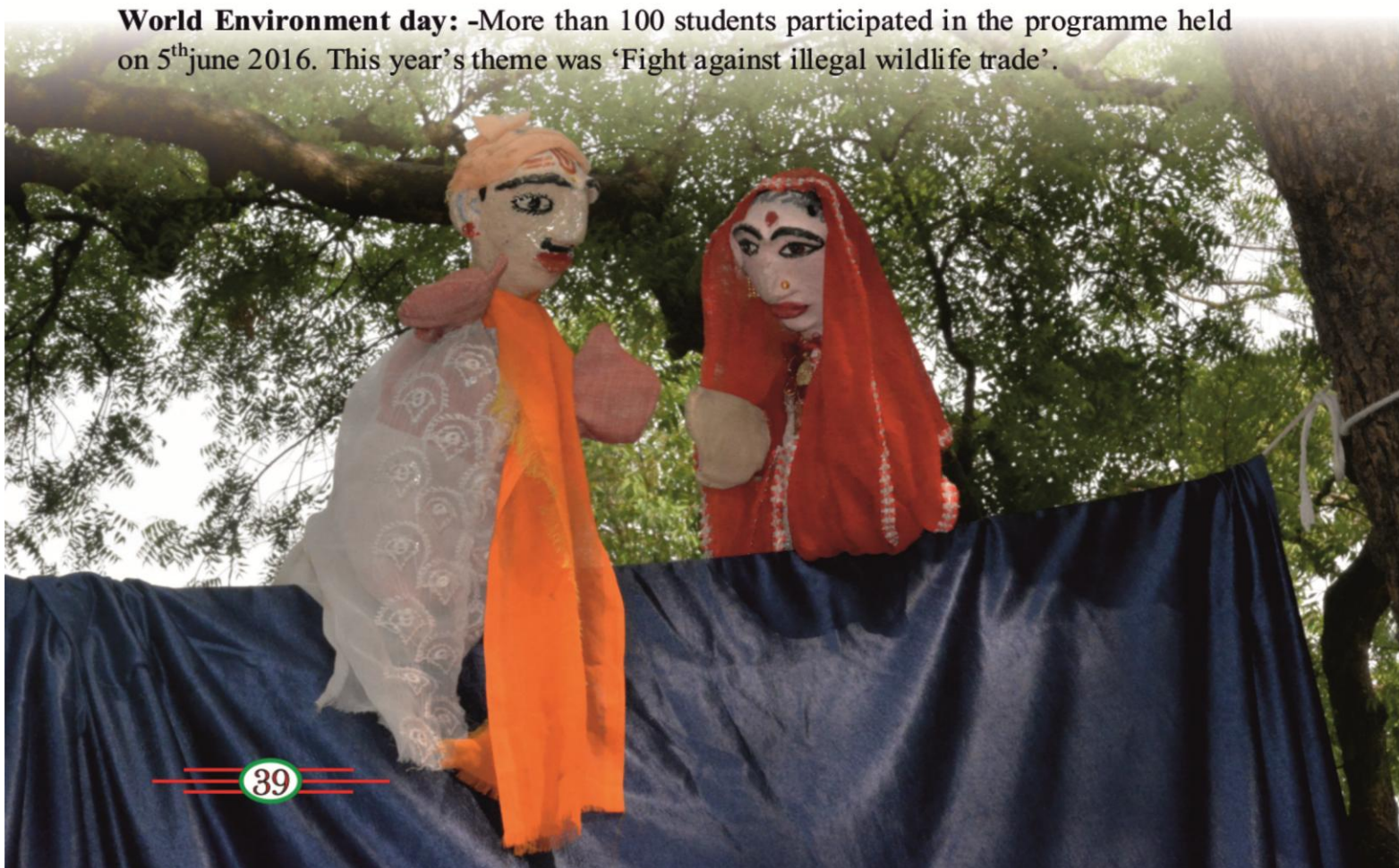






**Swachh Bharat Abhiyan:** - Celebrated from 1<sup>st</sup> to 15<sup>th</sup> June 2016 in which 500 students participated in programmes like puppet show, nukkadnatak, pamphlet distribution, disposal of biomedical wastes, etc. SwachhtaShapathGrahan – an oath ceremony was conducted and cleaning of zoo premises by zoo officials and staff members were also carried out.

**World Environment day:** -More than 100 students participated in the programme held on 5<sup>th</sup> June 2016. This year's theme was 'Fight against illegal wildlife trade'.







**Van Mahotsav:-**Van Mahotsav was celebrated from 1<sup>st</sup> July to 7<sup>th</sup> July. More than 200 school students participated in which around 300 saplings were planted by officers, students, staff members, volunteers etc.

**Delhi Public School, Azad Nagar Kanpur** brought 150 saplings and planted them near the aviary.







**World Rhino Day:** - World Rhino Day celebrated on 22<sup>nd</sup> September in which 100 students participated. Students were sensitized on rhino conservation.

**Wild Life Week:-**Wild Life Week celebrated in a grand manner from 1<sup>st</sup> to 7<sup>th</sup> October. About 2000 students from more than 50 schools participated in programmes like painting competition, debate, elocution, quiz competition, essay writing, dance competition, singing competition, mono acting, rangoli, etc. (This year's theme: 'Members matter...working together for wildlife')







**Bird Festival:-**Bird festival celebrated on 2<sup>nd</sup> December, 2016 in Kanpur Zoo's jungle safari area. About 250 students and 30 bird watchers participated in this program. 1446 birds of 57 species sighted.

**New Year Celebration:-**Lion enclosure opened for the visitors on the new year's eve. Lion Ajay and lioness Nandini becomes the centre of attraction for the public. Renovated wooden bridge inaugurated.







**Foundation Day:**—43<sup>rd</sup> Zoo Foundation Day celebrated on 4<sup>th</sup> February, 2017. About 200 school students, officers, zoo friends, zoo volunteers and staff members participated in the event.

**World Wildlife Day:** - World Wildlife Day celebrated on 3<sup>rd</sup> March, 2017 in the zoo auditorium. More than 150 students were sensitized about wildlife conservation and its protection.







**World Sparrow Day:-**World Sparrow Day celebrated on 20<sup>th</sup> March, 2017 in which more than 100 students were sensitized about conserving sparrows.

**World Forestry Day:-**World Forestry Day celebrated on 21<sup>st</sup> March 2017 in the Zoo. More than 150 students participated and Hon'ble MLA Mrs. NeelimaKatiyar was the Chief Guest.





## OUR ANIMAL ADOPTION SCHEME

Presently the zoo houses about 1294 wild animals which include lion,tiger, rhino, leopard, zebra, hippopotamus, deer species, antelope species, reptiles, birds, fishes, etc.

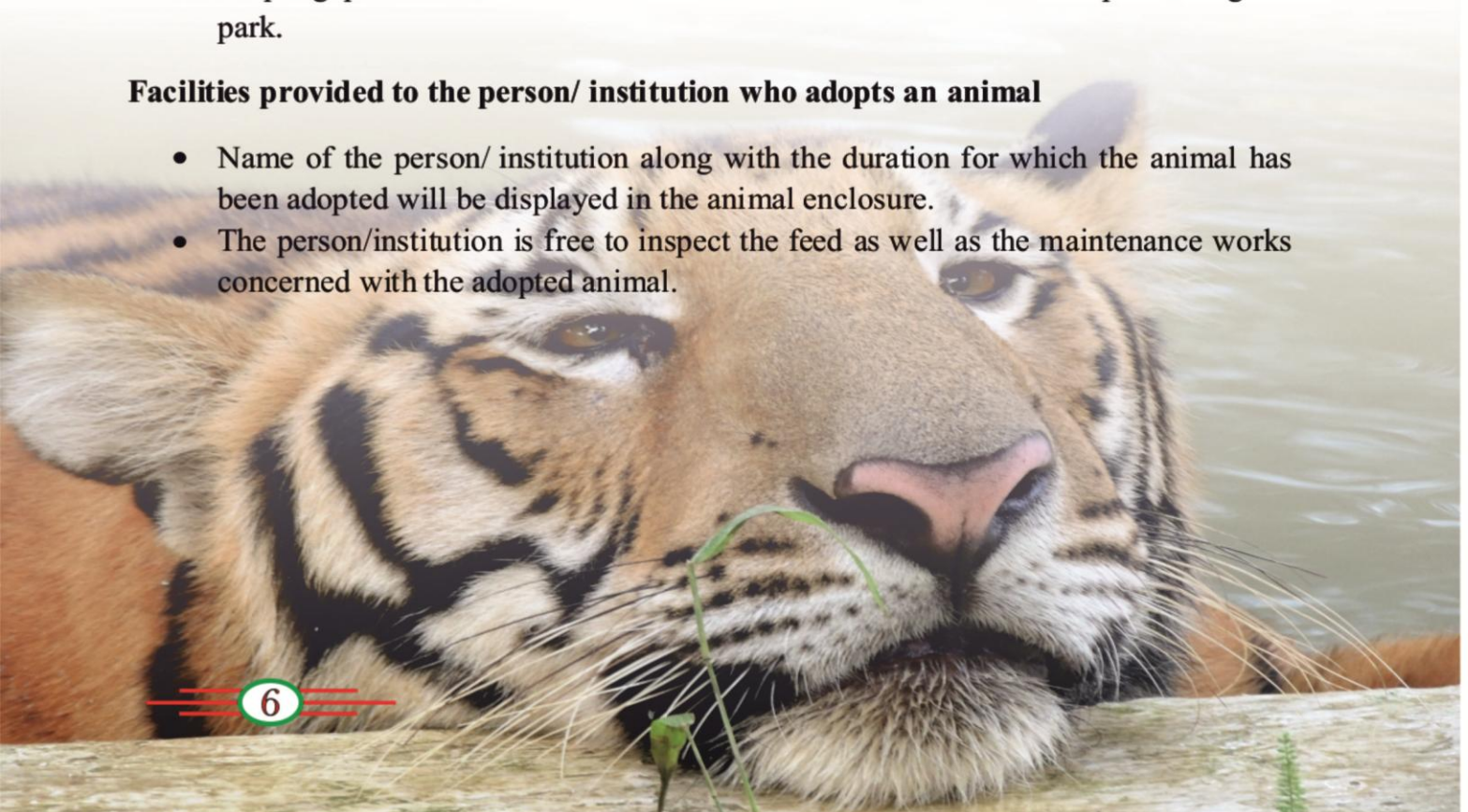
A Zoological park aims to create awareness on wildlife conservation.All activities here motivate people to have empathy towards wild animals. As stated in the constitution of India, it is our fundamental duty to protect and improve natural environment including forests, lakes, rivers and wildlife. Adoption of animals is one of the best ways to show one's participation in wildlife conservation efforts. The annual maintenance expenditure for the animal is calculated and the person adopting the animal is requested to deposit the amount with the zoo.

### **Procedure for adopting a wild animal**

- The person/ institution wishing to adopt an animal has to apply to the Director, Kanpur Zoological Park clearly indicating the name/names of animal they wish to adopt.
- In response to the application, the Director Kanpur Zoological Park will inform the individual/ institution the estimated annual amount needed for the feed and maintenance of the adopted animals.
- The person/ institution has to submit a cheque or draft in favour of “Member Secretary, Kanpur PraniUdyanPrabandhEvamVikas Society” to the Director, Kanpur Zoological park.The person is eligible for tax benefit on that amount under sec.80G of Income Tax Act.
- The wild animals which have not been named so far can be given a name by the adopting person /Institution in consultation with the Director Kanpur zoological park.

### **Facilities provided to the person/ institution who adopts an animal**

- Name of the person/ institution along with the duration for which the animal has been adopted will be displayed in the animal enclosure.
- The person/institution is free to inspect the feed as well as the maintenance works concerned with the adopted animal.







Six year old girl Anviti Bansal adopted a Golden Pheasant for one year and also planted saplings behind Aquarium.







**Adoption by Hindustan Aeronautics Limited, Kanpur:** They adopted tiger (Prashant), rhino (Manu) and the red-headed vulture for one year







**Adoption Programme:** The India Thermit Corporation Ltd. Kanpur adopted the lion pair (Ajay & Nandini) and the zebra (Aishwarya) for one year. They also donated funds for the construction of a toilet within the Zoo premises.







Blood Donation Camp was organized in Zoo by Sant Nirankari Charitable Trust, Kanpur. More than 100 visitors donated blood.

Eye Check Up Camp was organized by Vasan Eye Care, Kanpur in Zoo premises for Zoo staff.





BUTTERFLIES IN KANPUR ZOO







## वृक्ष की अभिलाषा

मुझे अफसोस नहीं है, अपनी पहचान मिट जाने का  
मुझे अफसोस नहीं है, अपना शीश गंवाने का  
मुझे अफसोस नहीं है, अपनों से बिछड़ जाने का  
मुझे अफसोस नहीं है, जीवन नैया डूब जाने का ।।

मुझे दुःख है, बच्चों का शैशव छिन जाने का  
मुझे दुःख है, राहगिरों की छाया मिट जाने का  
मुझे दुःख है, गरीब के चूल्हे बूझ जाने का  
मुझे दुःख है, भूखे का खाना हर जाने का ।।

मुझे क्षोभ है, अट्टालिकाओं की शोभा बन जाने का  
मुझे क्षोभ है, बैठक की रंगत कहलाने का  
मुझे क्षोभ है, शयन कक्ष की शोभा बढ़ाने का  
मुझे क्षोभ है, पूजा की वेदी पर चढ़ जाने का ।।

मुझे खेद है, मृग का आनन मिट जाने का  
मुझे खेद है, सिंह का गर्जन खो जाने का  
मुझे खेद है, परिदों का नीढ़ उजड़ जाने का  
मुझे खेद है, गिलहरी का घर वीरान हो जाने का ।।

मेरी अभिलाषा है, सैनिकों का आशियाना बन जाने की  
मेरी अभिलाषा है, सपूतों का ताबूत कहलाने की  
मेरी अभिलाषा है, शहीदों की चिता बन जाने की  
मेरी अभिलाषा है, भारत की मिट्टी में मिल जाने की ।।

‘मैं वृक्ष हूँ, मैं प्रकृति हूँ, मैं ही भविष्य हूँ’

— डॉ० आर०के० सिंह



