

# MAHARAJBAG ZOO

Annual Report 2016-2017



**Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola  
College of Agriculture, Nagpur**

SYMBOL	DESCRIPTION
(Symbol)	ROAD
(Symbol)	RAILROAD
(Symbol)	WATER BODY
(Symbol)	PLANT
(Symbol)	TOILET
(Symbol)	REST ROOM
(Symbol)	SHOP
(Symbol)	FOOD COURT
(Symbol)	ENTRANCE
(Symbol)	EXIT
(Symbol)	VIEWING POINT
(Symbol)	WATER POINT
(Symbol)	WATER TOWER
(Symbol)	WATER TREATMENT PLANT
(Symbol)	WATER SUPPLY LINE
(Symbol)	WATER DRAINAGE LINE
(Symbol)	WATER MAIN LINE
(Symbol)	WATER SERVICE LINE
(Symbol)	WATER TAPPING POINT
(Symbol)	WATER VALVE
(Symbol)	WATER METER
(Symbol)	WATER PUMP
(Symbol)	WATER RESERVOIR
(Symbol)	WATER STORAGE TANK
(Symbol)	WATER DISTRIBUTION NETWORK
(Symbol)	WATER TREATMENT PLANT
(Symbol)	WATER SUPPLY LINE
(Symbol)	WATER DRAINAGE LINE
(Symbol)	WATER MAIN LINE
(Symbol)	WATER SERVICE LINE
(Symbol)	WATER TAPPING POINT
(Symbol)	WATER VALVE
(Symbol)	WATER METER
(Symbol)	WATER PUMP
(Symbol)	WATER RESERVOIR
(Symbol)	WATER STORAGE TANK
(Symbol)	WATER DISTRIBUTION NETWORK

LAYOUT MAP OF MAHARAJBAG ZOO, NAGPUR  
SHOWING DETAILS ENCLOSURES,  
VISITOR CIRCULATION, ROAD AND  
OTHER FACILITIES



# CONTENTS

Introduction .....	01
Objectives .....	02
Mission & Silent Feature .....	03
Fee And Permit Charges .....	04
Facility For Visitors .....	05
Inventory Of Animals .....	07
Veterinary Services .....	08
Zoo Education .....	09
Routine Activities Of The Zoo .....	11
Animal Adoption Scheme .....	12
Organizational Chart & Setup .....	14
Staff Photo .....	15
Zoo Rules .....	16

## VICE CHANCELLOR'S DESK

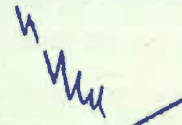
The Annual Report of the Maharajbag Zoo, College of Agriculture, Nagpur for the year 2016-17 is in your hands. It gives a brief insight into the important events and activities undertaken in the zoo. The Maharajbag Zoo, Nagpur is more unique for natural ambience.

In the Zoo, greater emphasis is laid not only to improve the standards of animal health, hygiene, feed and living space, the men managing them are also placed on a higher pedestal where their minimum needs are met for creating better work atmosphere. The man and animal relationship is much more meaningful affair in this typical zoo atmosphere.

Zoo is an organization which is committed to animal welfare and wildlife conservation. The zoo is not only a place for visitors to see the animals, but a place to learn. Zoo plays a crucial role in the conservation of rare and endangered species. We not only render the visitors with an exciting visit filled with learning experience, but also provide best possible care for our wildlife.

There has been phenomenal increase in the number of visitors because of proper display of the animals as well as better facilities provided to the visitors. The zoo has become one of the most favorite spots among the people at its heart place of Nagpur city and nearby districts.

This annual report catalogues the activities of the Zoo during the year 2016-17. It also highlights some of the immense work of the zoo during this period. During this time some members supported the zoo through adoption. We look forward to more support from the donors; and all those who have interest in wildlife conservation in helping us make our zoo more vibrant and a great hub of learning and conservation.



**Dr. V. M. Bhale**  
Vice Chancellor  
Dr. Panjabrao Deshmukh Krishi Vidyapeeth  
Akola

## ZOO CONTROLLER'S FOREWORD

Fundamentally the establishment of Zoo is aimed at ex-situ conservation, breeding, education and research. It is important to keep the captive animals live in as similar conditions of natural habitat as possible. The maintenance of animals within ex-situ facility is a tremendous task than management of school / college / hostel.

The staff capacity building is to be improved to implement in Modern concepts of zoo designing while starting with the new development. The staff working on the relevant positions will be given the exposure of other model zoos within the country.

A Zoo Team of vets, animal keepers and supportive staff constantly endeavors to fulfill our goals of conservation, education and research. There is a dedicated team of zoo workers who constantly assay to keep our animals in good health. Our efforts are to place the Maharajbag Zoo on global platform.

The human resource is another concern I have to chalk out soon to ease the struggling zoo management which is being maintained with the shortage of human resource in the recent times. The technical positions required in the important areas will be recruited after being duly sanctioned from the appropriate authority.

The annual report gives the information about all the main activities and events which took place during 2016-17. I hope during the coming years, the zoo will scale the new heights and also fulfill the conservation needs of endangered fauna.



**DR. N. D. PARLAWAR**  
Zoo Controller & Associate Dean,  
College of Agriculture, Nagpur



## INTRODUCTION

Since 1894, Maharajbag Zoo has become recognized for our work in conservation, animal care, and self sustainability. As well as providing excellent care for all of the animals here at the Zoo, we care about their wild counterparts and the habitats in our region which need protecting. That's why we're proud to be the world's one of the most old self sustainable Zoo.

This popular zoo has been built on the gardens of Bhonsle and Maratha rulers of Nagpur. Since 1969 this zoo is maintained by Agriculture College, Nagpur under the control of Dr. Panjabrao Deshmukh Krushi Vidyapeeth, Akola.

The zoo is spread in 17.57 hectares located in the Sitabuldi area of Nagpur City which is the central most part of the city. The Nagpur city is located in Maharashtra state, between 21°45 north to 20°30 north and 78°15 east to 79°45 east, at a mean altitude of 310 meters above sea level. The nearby area is also known as Zero Mile, which indicate its geographical location too.

This city is also known as orange city or orange capital of India. This is the third largest city of the state of Maharashtra and has been termed as the winter capital of the state.

The name of this city as "Nagpur" is derived from the river Nag that flows through it. Founded in the year 1703 by the Gond King of Deogad, Bakht Buland Shah this city was also the capital of Madhya Bharat state (Central Province and Berar) till 1960. This orange city of Nagpur is one of the major tourist places of the state. There are numerous tourist attractions spot in and around the city. Tourist can see historical monuments, temples, lakes and other spots of natural beauty. Similarly there are many excursions which can be covered from Nagpur.



## OFFICER INCHARGE'S MESSAGE

Maharajbag Zoo is one of the oldest Zoo in the country which is started from 1894, located amidst beautiful natural setting which spread over an area of 10 hectors at present. It is having unique distinction of integration of wildlife conservation, both in wild and captivity. The zoo park houses more than the 300 specimens of mammals, birds and reptiles belonging to 23 species. It is unique in its natural ambience and large spacious enclosures for housing tigers and herbivorous. The animals are provided with optimum facilities that are congenial to their psychological and physical well being. The night houses are provided to all the animals and birds, keeping in mind the biological as well as veterinary needs of the animals and to improve hygiene. The visitor's amenities have been improved to a greater extent.

Fulfillment of all critical requirements like enrichment of enclosures, night house, day kraals, veterinary and nutrition care is very crucial on day to day basis. Animal behavioral studies are equally important for corrective measures.

The workshops, Seminars and discussions with various partners has given scope for implementing some initiatives in education programs in zoo and enrichment practices.

This annual report gives in brief various facts of the zoo which I hope will enthuse the visitors towards preservation and protection of wildlife. The staff of the Maharajbag Zoo is dedicated lot committed to the protection of wildlife and their work is of an exemplary nature. I would like to thank particularly Dr. V. M. Bhale, Vice Chancellor, Dr. P. D. K. V., Akola and Dr. N. D. Parlawar, Zoo Controller and Associate Dean, College of Agriculture, Nagpur who have left no stone unturned in making Maharajbag Zoo a prime tourist attraction with the present resources they have at hand.

With lot of conviction and zeal we move forward to etch a name for Maharajbag Zoo in the field of management and conservation of endangered fauna in captivity.

**DR. S. S. BAWASKAR**  
Office Incharge, Maharajbag Zoo,  
College of Agriculture, Nagpur

## OBJECTIVES

The main objective of the management of zoos in the country is to aid and assist in conservation of wild animals and their habitat. The "Zoo" shall, in conformity with the aforesaid trend, shall work for conservation of the rich bio-diversity of the state through following sub-objectives:

- To create amongst the visitors empathy towards wild animals through better understanding of the linkages of long term survival of various species of wild animals and availability of fertile soil, potable drinking water and pollution free environment.
- Conservation breeding of endangered species of wild animals, available within the bio-geographical range.
- To provide housing and upkeep to the orphaned animals of endangered species rescued from the wild.
- To collect and collate the scientific data on the biology, behavior and health care of various species of wild animals housed at the zoo and use the same in future management of the zoo.
- To assist in conservation of the in-situ population of various species of endangered species of wild animals and their habitat by sensitizing the people about the benefits of adopting sustainable life styles and shunning off affluent way of living which involves wastage of natural resources.
- To act as Rescue Centre by receiving and keeping orphaned, seized, rescued, injured wild animals subject to availability of appropriate housing.



## MISSION

Complimenting the national efforts in conservation by developing visitor's empathy towards protecting the wildlife species of the region and natural habitats with good health, nutrition care apart from research and Conservation Education.

## SILENT FEATURES

The zoo is a historical place with a lot of natural flora and fauna supporting diversity of the city as a major green belt in the central part of Nagpur. It helps in reducing the pollution, and is the main place of attraction for the visitors for understanding the wild life in the urban area and awareness regarding the conservation of biodiversity.

As Maharajbagh zoo is a zoo located in the heart of city of Nagpur. Due to its location, many schools arrange picnics and educational visits to this zoo. Many walking trails and picnic grounds within the park makes it an ideal family destination.

Area	Maharajbag Zoo	17.57 hector (43 acres)
Captive animals	Mammals	13 Species 70 Numbers
	Birds	6 Species 221 Numbers
	Reptiles	2 Species 3 Numbers
Total	21 Species	294 Numbers
Number of Animal Enclosure / Cages,	66	
Total Staff	62	
Gate money received	120 lakhs	
Visitors	About 20 lakhs	
Weekly off	Monday	
Zoo timing	9:00 am to 5:00 PM	



## FEE AND PERMIT CHARGES: ENTRY FEE

Child/Students	Rs. 10/ -
Adults	Rs. 20/ -
Bicycle	Rs. 05/ -
Motorcycle/Scooter	Rs. 10/ -
3 Wheeler	Rs. 20/ -
4 Wheeler (LMV)	Rs. 20/ -
4 Wheeler (HMV)	Rs. 30/ -
Bus/travels	Rs. 30/ -
Camera/Video Camera	Nil



## FACILITY FOR VISITORS

The children park is located at the left side after entrance of the Maharajbag garden and zoo which is widely used by kids for playing on the lawns and with playing equipments. To cater to the needs of visitor's, zoo restaurant, canteen and ice-cream parlor is also available at the entry of the zoo.



At present there are three toilets maintained for the visitors with proper hygiene, and cleanliness. There are 30 metal benches having capacity of three person's sitting arrangement on each bench, besides there are 3 resting places in the various areas of the park. Wheel chair is also available for the disable person for visiting the Maharajbag garden and zoo.



## INVENTORY OF ANIMALS



Water taps are provided for drinking water along with cool tank for cold water in the area. Huge parking space is available for the visitors at both sides of the gate. Likewise inside the zoo area the parking for the staff is also available.



Sr.No	SPECIFICATION OF THE ANIMALS	Stock as on 31.03.2017			
		M	F	U	TOTAL
<b>BIRDS</b>					
1	Indian Peafowl (Pavo Cristatus)	1	1	-	2
<b>REPTILES</b>					
1	Marsh Crocodile -Mugger (Crocodylus Palustris)	1	1	-	2
<b>MAMMALS</b>					
1	Sloth Bear (Ursus Ursinus)	-	1	-	1
2	Tiger Bengal (Panthera Tigris)	-	3	-	3
3	Jackal (Canis Aureus)	1	0	-	1
4	Leopard (Panther) (Panthera pardus)	4	4	-	8
5	Macaque Rhesus (Macaca mulatta)	3	2	-	5
6	CommonLangur (Semnopithecus entellus)	1	-	-	1
7	Gazelle Indian (Chinkara) (Gazella bennettii )	1	1	-	2
8	Black Buck (Krishna Mrig) ( Antilope cervicapra)	6	6	-	12
9	Antilope Four Horned ( Tetracerus Quadricornis)	1	1	-	2
10	Otter Smooth Indian (Lutrogale Perspicillata)	1	1	-	2
<b>REPTILES</b>					
1	Tortoise Indian Star (Geochelone Elegans)	1	-	-	1
<b>BIRDS</b>					
1	Alexandrine parakeet (Psittacula Eupatria)	7	7	-	14
2	Rose Ringed Parakeet (Psittacula Krameri)	8	3	-	11
3	Budgerigar (Melopsittacus Undulatus)	-	-	95	95
4	Cockatiel (Nymphicus Hollandicus)	-	-	92	92
5	Emu (Dromaius Novaehollandiae)	3	4	-	7
<b>MAMMALS</b>					
1	Nilgai - Blue Bull ( Boselaphus Tragocamelus)	5	6	-	11
2	Deer Sambar (Cervus Unicolor)	2	1	-	3
3	Deer Spotted - Chital (Axis)	5	14	-	19
<b>Grand Total</b>		<b>51</b>	<b>56</b>	<b>187</b>	<b>294</b>

## VETERINARY SERVICES

The zoo hospital at Maharajbag garden and zoo fulfills the need of health care management of wild animals kept in captivity. One full time veterinarian headed by the Officer in-charge of the zoo as veterinarian, look after the animal health management in the zoo. They are assisted by the animal keepers as required.

A zoo veterinary hospital located inside the zoo premises have facilities as squeeze cage, treatment cage, tranquilizing equipments, post-mortem kit quarantine room, sick animal room, laboratory, veterinary dispensary and Post-mortem examination room.



## ZOO EDUCATION

Education is an important objective of this zoo with the aim to attract, excite, enthuse, educate and awareness to the visiting public includes diverse social, economical and cultural background.

At present no special person is engaged particularly in the work of Zoo education. Even though the persons engaged in the zoo are involved in work of education and awareness.



Every year "wild life week" is celebrated at the zoo from 1st to 7th October with the help of State forest Department. During this several competitions such as drawing, photo exhibition, poster exhibition, Quiz assay and rally are organized.

The staff available in the zoo is attending the job of zoo guide on request of the group or school helping to learn the importance of the zoo. With the support of the of volunteers of NGOs in Nagpur such as Green Vigil and Wild CER several education and awareness programs such as Drawing competition, tree plantation, Cleaning of the Zoo garden, Plastic ban awareness. Photography exhibition and competition, Quiz competition, Essay competition, Bird watching program are organized successfully to upgrade the existing knowledge and skills of the visitors.





Lectures are arranged by inviting the experts for education of the wildlife information, Signage are displayed at each enclosures, which are self explanatory, brochure are published and kept all the time ready for the visitors at free of cost in the office of the zoo.

A mini library is available in the zoo office, having booklets, books, periodicals, Journals, magazines giving information regarding nature and wildlife.

Veterinary college students and internees from Nagpur Veterinary College, use the zoo for their study of wildlife and as a center for their internship program respectively for study of zoo and wild life management.

It is proposed to appoint Education officer and guides in the zoo running the education program regularly and planned manner.



## ROUTINE ACTIVITIES OF THE ZOO

- Routine observation for health, hygiene and breeding management.
- Preventive measures are taken up by regular check up of the fecal samples of animals as well as birds.
- Periodical de-worming by using specific de-wormer is done in the positive cases of fecal samples.
- Periodic supplementation of mineral mixture and vitamins to promote good health and reduce stress on the animals.
- Regular disinfection is carried out in the enclosures for reducing the bacterial and vector load by spraying and foot bathing.
- Special care is taken during any serious disease outbreak in consultation with the experienced staff of the Nagpur Veterinary College.

In addition to above The Teaching Veterinary Clinical Services Complex of Nagpur Veterinary College is also available about 2 km distance from zoo with a well experienced staff of Veterinary Science with health care equipments and air conditioned Operation theater and in-patient ward.



## ANIMAL ADOPTION SCHEME

The "Adoption of Zoo Animal" program is a great way to show support for wildlife conservation by adopting favorite animal, contribute towards feeding of the animals and help support Zoo efforts in wildlife conservation.



**Spotted Deer**

**Narayana Vidyalayam, Wardha Road**  
 Period of one year : 26.09.2016 to 25.09.2017

To set the emotional foundation for public support and their sincere involvement in animal conservation 'animal adoption' scheme is in vogue in the zoo. As per the scheme, any animal loving individual and institution can adopt any number of specimens from the zoo animals by extending support for one year or multiples of month/days.

### OWN YOUR CAGE ADOPTION CHARGES FOR 1 YEAR

1	Tiger Enclosure	5,00,000
2	Crocodile Enclosure	2,00,000
3	Monkey Enclosures	3,00,000
4	Bear Enclosure	3,00,000
5	Leopard Enclosure	3,00,000
6	Parrot Enclosure	2,00,000
7	Children Park	5,00,000
8	Aquarium	3,00,000
9	Toilet & lavatory	2,00,000
10	Cafeteria	5,00,000
11	Shrubbery	2,00,000
12	Lawn No-1	2,00,000
13	Lawn No-2	1,00,000
14	Lawn No- 3	2,00,000

### ADOPTION OF SPECIFIC ANIMAL / INDIVIDUAL

15	Tiger	1,00,000
16	Leopard	50,000
17	Crocodile	15,000
18	Monkeys	20,000
19	Langoors	25,000
20	Jackals	30,000
21	Bears	50,000
22	Kite	10,000
23	Nil gai	10,000
24	Sambar	10,000
25	Black Buck	4,000
26	Chinkara	4,000
27	Emu	15,000
28	Chital	10,000

### ADOPTION FORM

1. Name & Address of institution / Individual / Company.

2. Name Of animal interested for adoption

3. Period of adoption.

4. Amount.

5. Mode of remittance (Cheque/ DD cash)

6. Particulars of board to be displayed in front of animal enclosure.

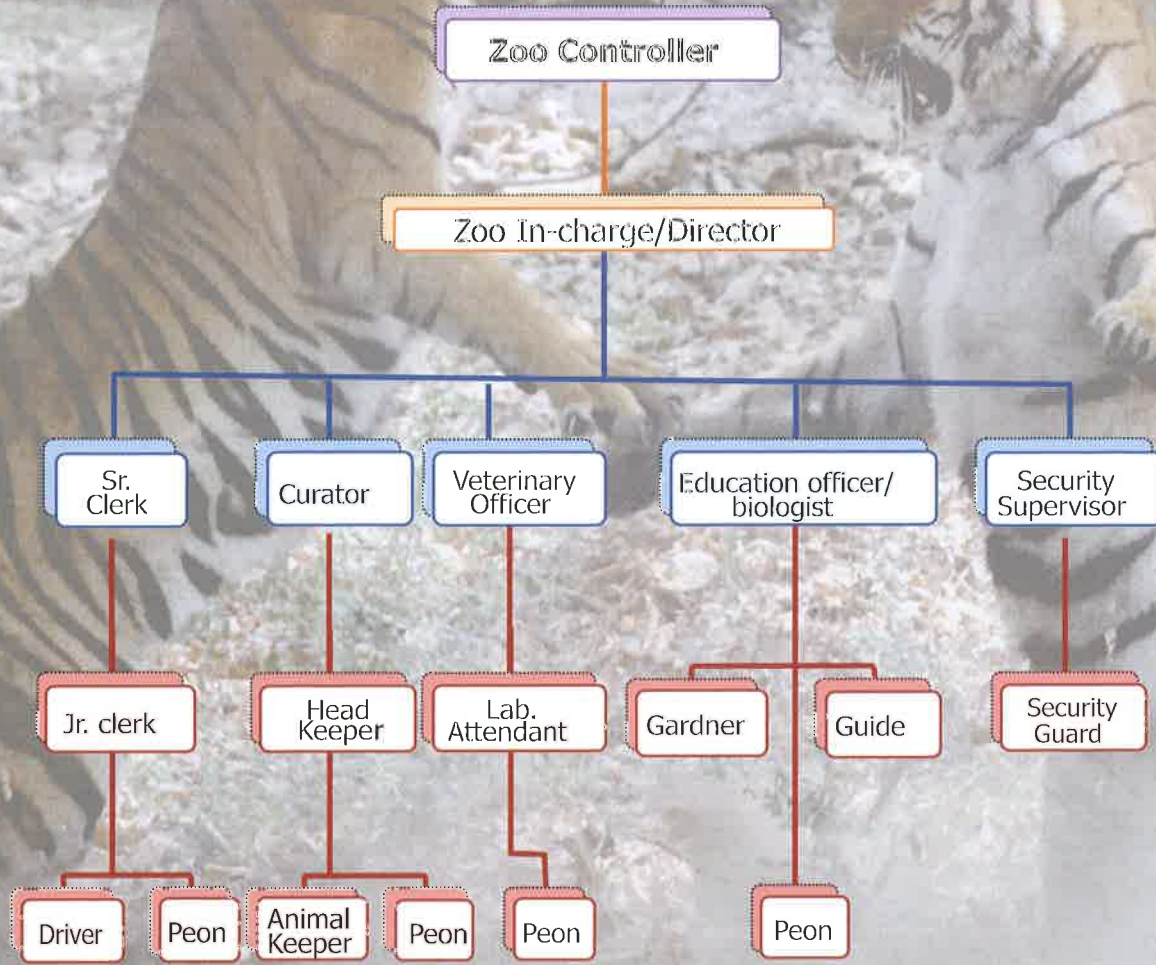
7. Entrance pass to be issued in favour of

8. Details of Publicity expected.

Date:  
 Place:

Signature

## ORGANIZATIONAL CHART & SETUP



## कृपया प्राणी संग्रहालयाच्या नियमांचे पालन करा

प्राणीसंग्रहालयातील प्राण्यांना चिडविणे, इजा पोहचविणे, खाऊ घालणे, गोंगाट करून त्रास देणे किंवा प्राणीसंग्रहालयातील परिसरात कचरा करणे हा केंद्र शासनाच्या वन्यजीव (संरक्षण) अधिनियम १९७२ (सुधारित १९९१) तील कलम — ३८ जे नुसार गुन्हा असून कलम ५१ (१-ब) नुसार रु. २०००/- दंड किंवा सहा महिने पर्यंत करावास किंवा दोन्ही शिक्षा होऊ शकते.

१. आपल्या बरोबर असलेल्या मुलांची व वस्तुची काळजी घ्या.
२. प्राणीसंग्रहालयात प्लॅस्टिक पिशव्यांचा वापर करण्यास बंदी असल्यामुळे कापडी किंवा कागदी पिशव्यांचाच वापर करा.
३. प्राणीसंग्रहालयाच्या आवारात विषारी साप आहेत. त्यामुळे खातांना बाकांवरच बसा. फिरण्यासाठी रस्त्याचाच वापर करा. झाडा — झुडपांत बसलेले आढळल्यास दंडात्मक कारवाई करण्यात येईल.
४. प्राणीसंग्रहालयात मद्य पिणे, सीगारेट ओढणे, तंबाखु, गुटका खाणे यास बंदी आहे.
५. प्राणीसंग्रहालयात विस्तव पेटविणे, अन्न शिजविणे यास बंदी आहे.
६. फटाके, स्फोटके, हत्यारे जवळ बाळगू नका.
७. मैदानी खेळ खेळणे मोठ्या आवाजात संगीत ऐकणे/वाद्य वाजविणे यापेक्षा शांत स्वच्छ व नैसर्गिक वातावरणाचा आनंद लुटा.
८. पाळीव प्राणी बरोबर आणण्यास बंदी आहे.
९. प्राणीसंग्रहालयाच्या मालमत्तेचे नुकसान करू नये.
१०. झाडांची फुले तोडू नका.
११. प्रवेश बंदी असलेल्या क्षेत्रात जाण्यास सक्त मनाई आहे.
१२. कृपया सुचना फलकांवरती लिहिलेल्या सुचनांचे पालन करा.



## ZOO RULES

You are welcome in the Maharajbag Garden & Zoo

KINDLY OBEY THE ZOO RULES

TEASING, MOLESTING INJURING OR FEEDING ANY ANIMALS OR CAUSING DISTURBANCE TO THE ANIMALS BY NOISE OR OTHERWISE, OR LITTERING THE GROUNDS IN THE ZOO IS A PUNISHABLE OFFENCE UNDER THE CENTRAL GOVT. WILDLIFE (PROTECTION) ACT 1972, (AMENDED 1991) SECTION 38 J. PUNISHMENT UNDER SECTION 51 (1-B) CAN EXTEND UP TO A FINE OF Rs 2000/-, OR UP TO SIX MONTHS IMPRISONMENT OR BOTH.

1. PLEASE TAKE CARE OF YOUR CHILDREN AND BELONGINGS.
2. USE OF PLASTIC IS BANNED IN THE ZOO SO PLEASE CARRY YOUR EATABLES IN CLOTH OR PAPER BAGS.
3. PLEASE STAY ON THE PATH AND IN AREAS PROVIDED FOR SITTING.
4. ALCOHOL, GUTKHA & CIGARETTES ARE NOT ALLOWED IN THE ZOO.
5. LIGHTING A FIRE OR COOKING FOOD IS PROHIBITED.
6. CARRYING EXPLOSIVES, WEAPONS OR FIRECRACKERS IS NOT ALLOWED IN THE ZOO.
7. DO NOT DISTURB THE ENVIRONMENT BY PLAYING MUSIC OR OUTDOOR GAMES INSTEAD ENJOY NATURE AND THE SOUNDS OF SILENCE.
8. ENTRY OF PETS IS NOT ALLOWED.
9. CAUSING DAMAGE TO ZOO PROPERTY IS PUNISHABLE.
10. LET THE FLOWERS REMAIN ON THE TREE.
11. DO NOT ENTRY INTO "NO ENTRY ZONE".
12. KINDLY FOLLOW THE INSTRUCTIONS POSTED ON THE SIGNBOARDS.



