

# MAHARAJBAG ZOO

Annual Report for the year  
2017-18



## CONTENTS

<b>S.No</b>	<b>Section</b>	<b>Page Number</b>
1.	Report of the Officer-in-charge	04
2.	History of the Zoo	04
3.	Vision	05
4.	Mission	05
5.	Objective	06
6.	About us	06
7.	Organizational Chart	09
8.	Human Resources	10
9.	Capacity Building of the zoo personnel	10
10.	Zoo Advisory Committee	11
11.	Health Advisory Committee	11
12.	Statement of income and expenditure of the Zoo	11
13.	Daily feed Schedule of animals	11
14.	Vaccination Schedule of animals	13
15.	De-worming Schedule of animals	13

<b>S.No</b>	<b>Section</b>	<b>Page Number</b>
16.	Disinfection Schedule	14
17.	Health Check-up of employees for zoonotic diseases	14
18.	Development Works carried out in the zoo during the year	14
19.	Education and Awareness programmes during the year	14
20.	Important Events and happenings in the zoo	15
21.	Seasonal special arrangements for upkeep of animals	15
22.	Research Work carried out and publications	15
23.	Conservation Breeding Programme of the Zoo	15
24.	Animal acquisition / transfer / exchange during the year	15
25.	Rescue and Rehabilitation of the wild animals carried out by the zoo	16
26.	Annual Inventory of animals	17
27.	Mortality of animals.	19
28.	Status of the Compliance with conditions stipulated by the Central Zoo Authority	29
29.	List of free living wild animals within the zoo premises	26

## **1. Report of the Officer-in-charge:**

The Maharajbag Zoo is a unique Zoo in whole India operated by an Agriculture University i.e. Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola. The zoo is located in the heart of the Nagpur city with Lush green belt with huge old trees. The zoo is working as lung of the City to minimise the pollution and temperature. The Zoo is one of the oldest Zoo established in India established in 1894, yet to smooth function according to the advance zoo Management practices. Even through due to unavailability of Grants, the zoo never faces any scarcity of funds for maintenance and the zoo most famous tourist place in the City since last many decades yet waiting for smooth functioning as per Modern Zoo Management practices. The Zoo staff is on the toe around the clock to provide best for the animals and Visitors from the available resources but till not there is vast scope for upgradation.

## **2. History of the Zoo**

This zoo is known as “Maharajbag Zoo” since 1894. Prior to this, it was a Shikar Khana of the erstwhile Maharaja Raghoji Raje Bhosala, the Ruler of Nagpur. and established in 1894. On the establishment of C-P & Berar state. This Zoo was taken over by the Department of Agriculture. At that time only 3 cages existed in which Tigers, Hyaena, monkeys and some birds were kept. During the region of the British Rulers, the Deer park was constructed and the old Tiger cages were renovated. During the post-independence period in 1954, some new cages for accommodation Leopards, Lions and some birds were constructed 1969 Maharajbag Zoo was transferred to Dr. P.D.K.V. Akola.

The Zoo has completed the century of existence and has a rich tradition and green backdrop light in the very fine Horticulture Garden in the heart of city. However, the present condition of the Zoo was far from satisfactory, particularly in view of new concepts about the Zoo and maintenance of ecological balance and therefore warranted some urgent steps to improve its condition. This is particularly in view of the fact that the Maharajbag Zoo is committed to the goal of breeding and conservation of rare species of animals that are in danger of becoming extinct.

### **3. Vision**

Making the zoo as one of the most naturalistic and green zoo in the region without disturbing the natural landscape of the area by designing the animal enclosures and supportive infrastructure in a proper way to merge fully in the environment of the zoo by housing only the species which can be provided quality life of adequate longevity so that they can procreate and lead to self-sustaining and genetically and behaviourally viable population at the zoo.

### **4. Mission**

Compliment the national efforts in conservation of wildlife through planned coordinated conservation breeding of endangered wild animal species of the region.

Develop amongst visitor's empathy for wild animals and motivate them to support the cause of conservation of wildlife.

Develop amongst the visitors an understanding about the ecological linkages with the life supporting processes of nature and the need for keeping them intact by adopting sustainable life styles and living in harmony with nature.

Enhancing role of zoos in wildlife conservation through collaborative research aiming at attaining management skills for in-situ population and carrying out advocacy for protecting the wild animals and their natural habitats.

## 5. Objective

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, behaviour 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 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.

## 6. About us

S.No.	Particulars	Information
<b>Basic Information about the Zoo</b>		
1	Name of the Zoo	<b>Maharajbag Zoo, College of</b>

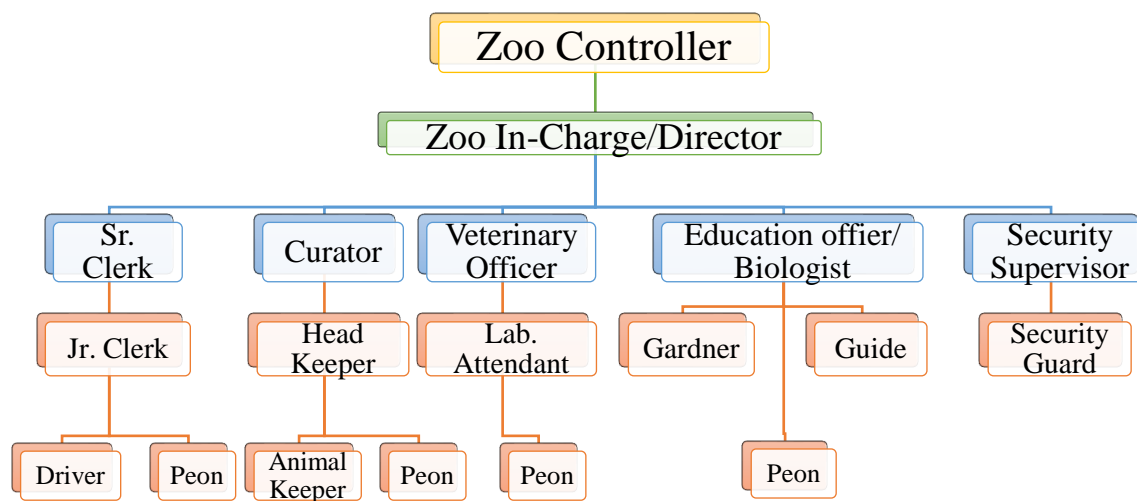
<b>S.No.</b>	<b>Particulars</b>	<b>Information</b>
		<b>Agriculture, Nagpur.</b>
2	Year of Establishment	<b>1894</b>
3	Address of the Zoo	<b>Maharajbag Zoo, College of Agriculture, Amravati Road, Sitabuldi, Nagpur 440001</b>
4	State	<b>Maharashtra</b>
5	Telephone Number	<b>0712-2523720</b>
6	Fax Number	<b>91-712-2554820</b>
7	E-mail address	<b>maharajbagzoo@gmail.com</b>
8	Website	-
9	Distance from nearest	Airport: 8 km.
		Railway Station: 3 km.
		Bus Stand: 4km.
10	Recognition Valid up to (Date)	<b>3<sup>rd</sup> November 2017</b>
11	Category of zoo	<b>Small</b>
12	Area (in Hectares)	10.3 hectares
13	Number of Visitors (Financial Year)	Adult :
		Children :
		Total Indian :
		Total Foreigners :

<b>S.No.</b>	<b>Particulars</b>	<b>Information</b>
		Total Visitors: 26,66,400 (Average)
14	Visitors' Facilities Available in Zoo	Lavatory, toilets, parking area (outside zoo), booking window, Resting places, chairs/ benches, lush green lawn, an excellent aquarium, a children park, drinking water, zoo restaurant, canteen and ice-cream parlour is available at the entry of the zoo, Wheel chair is also available for the disable person for visiting the Maharajbag zoo.
15	Weekly Closure Day of the Zoo	<b>Monday</b>
<b>Management Personnel of the zoo</b>		
16	Name with designation of the Officer in-charge	<b>Dr. Sunil S. Bawaskar, Officer In-Charge</b>
	Name of the Veterinary Officer	<b>Dr. Abhijeet B. Motghare,</b>
	Name of the Curator	<b>Shri. Mahesh R. Pande</b>
	Name of the Biologist	<b>Nil</b>
	Name of the Education Officer	
	Name of the Compounder/ Lab Assistant	Outsourced
<b>Owner / Operator of the Zoo</b>		
17	*Name of the Operator	<b>Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola</b>
18	Address of the Operator	<b>Registrar, Dr. Panjabrao Deshmukh Krishi</b>



S.No.	Particulars	Information
		Vidyapeeth, Krishi Nagar, Akola – 444 104
19	Contact details/Phone number of Operator	0724-2258372
20	E-mail address of Operator	<a href="mailto:registrar@adkv.ac.in">registrar@adkv.ac.in</a>

## 7. Organizational Chart



## 8. Human Resources

### Manpower of the Zoo\*

Sl.No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1.	Zoo Controller	Designated	Dr. N. D. Parlawar
2.	Officer In-charge (Zoo)/Director	1	Dr. S. S. Bawaskar
3.	Officer In-charge (Garden)/ (Biologist/Education Officer)1	1	Dr H.M. Khobragade
4.	Assistant Professor (Vet)/ Veterinary Officer	1	Dr. A. B. Motghare
5.	Livestock Supervisor/Zoo Curator	1	Mr. M. R. Pande
6.	Zoo Keeper/Head keeper	1	Vacant
7.	Agriculture Assistant/Garden Supervisor	2	Filled in
8.	Sweeper	1	Vacant
9.	Clerk	1	Mrs. M. R. Dhore
10.	Animal keeper/ labours/ Mazdoor	7	1. Mr.G. L. Maraskolhe 2. Mr. R.R. Sonwane
11.	Attendant	2	1 Filled 1 vacant
12.	Animal keeper (Contract)	32	Filled in
13.	Security Guards (outsourced)	14	Filled in

\*Please give abovementioned information in respect of all zoo personnel, from the Officer in-charge up to the Animal Keeper.

## 9. Capacity Building of zoo personnel

Sl.No.	Name and designation of the zoo personnel	Subject matter of Training	Period of Training	Name of the Institution where the Training attended
1.	1. Mr. Shankar G. Kamble (Animal Keeper) 2. Mr. Sidhhanath R. Chaudhary (Animal Keeper)	Enrichment Workshop for Zoo Keepers	05/06/2017 to 06/06/2017	Rajiv Gandhi Zoo and Research centre, Pune. (MS)

2.	1. Mr.Ganesh R. Chaudhary (Animal keeper) 2. Mr. Ganesh M. Chaudhary (Animal keeper)	Capacity building resources on regional basis	19/02/2018 to 25/02/2018	Sakkarbaug zoological park, Junagadh, (Gujrat)
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**10. Zoo Advisory Committee – Nil**

**a. Date of constitution**

**b. Members**

**c. Dates on which Meetings held during the year**

**11. Health Advisory Committee– Nil**

**a. Date of constitution**

**b. Members**

**c. Dates on which Meetings held during the year**

**12. Statement of income and expenditure of the Zoo**

Year	Income (Rs)	Expenditure (Rs)
2017-18	1,20,00,000/-	1,50,00,000/-

**13. Daily feeding Schedule of animals**

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
1.	Tiger	Milk	300 ml only on Sunday		Sunday
		Buffalo Beef/Chicken/Mutton	10kg		
2.	Leopard	milk	200ml only on Sunday		Sunday
		Buffalo Beef/Chicken/Mutton	5kg		
3.	Jackal	Milk	100 ml		Sunday
		Buffalo Beef/Chicken/Mutton	1kg		

4.	Sloth bear	Bread	500 gm	
		Banana	6 nos.	
		Milk	750 ml	
		Tomato	250gm	
		Carrots	300gm	
		Sweet lime	2 Nos	
		Gauva/papaya/ Mango	100gm	
		Honey	50gm	
		Mix Grain	1.5kg	
		Root Vegetable	500gm	
5.	Blue bull	Cattle feed	2kg	
		Para/ Berseem/ Green grass/ Vegetables	Adlib	
6.	Spotted Deer	Cattle feed	500gm	
		Para Grass/ Berseem/ /Greengrass/ Vegetable	Adlib	
7.	Sambar	Cattle Feed	2kg	
		Para Grass/Berseem/ /Greengrass/ Vegetable	Adlib	
8.	Chinkara / Blackbuck	Cattle feed	500 gm	
		Para Grass/ berseem/ green grass/ Vegetable	Adlib	
9.	Rhesus/Bonnet Monkey	Gram	100gm	
		Apple	1 nos.	
		Banana	4 nos.	
		Carrots	50gm	
		Cabbage	50gms	
		Sweet lime	2 Nos	
		Spinach	Few leaves	
10	Four Horned	Cattle feed	500 gm	
		Paragrass/berseem/ green grass/ Vegetable	Adlib	
11.	Emu	Banana	6 nos.	
		Bread	250gm	
		Cabbage	50gm	
		Spinach	400gm	
		Gram	100gm	
		Mix grains	600 gm	
12.	Peacock	Mix grains	300gm	
		Spinach, Green leaves	Few leaves	
		Kheema	100gm	
		Onion	25gm	
		Gauva/papaya/ Mango	100 gm	

13.	Lovebird	Sunflower Seeds/ Mix grains	10 gm	
		Coriander	5-10gm	
		Rala	20gms	
		Spinach	Few leaves	
		Chiku/Berry/Grapes	25gm	
		Sunflower	10 gm	
14.	Cockatiels	Sunflower Seeds/ Mix grains	50 gm	
		Coriander	5-10gm	
		Rala	20gms	
		Spinach	Few leaves	
		Chiku/Berry/Grapes	25gm	
		Sunflower	10 gm	
15.	Parrots	Sweet lime	25 gms	
		Guava/papaya/ Mango	100 gm	
		Honey	10gms	
		Gram	20gm	
		Apple	100 gm	
		Chiku/Berry/Grapes	25gm	
		Green Chilly	10gm	
		Sunflower seed	20 gm	
16.	Crocodiles	Fish	1kg	
17.	Tortoise	Tomato	50 gm	
		Cabbage	10 gm	
18.	Otter	Fish	2kg	

#### 14. Vaccination Schedule of animals

Sl.No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
1.	Tiger	Rabies	Rabivac Vet	Annually	
2.	Leopard				
3.	Jackal				

#### 15. De-worming Schedule of animals

Sl.No.	Species	Drug used	Month
1.	Tiger	Tab. Prazisam	January, April, July and October

2.	Leopard		
3.	Jackal		
4.	Blue bull	Liq. A-Zole	
5.	Black Buck		
6.	Spotted Deer		
7.	Sambar		
8.	Four Horned Antelope		
9.	Sloth bear		
10.	Monkey	Liq. F-Zole	
11.	Birds	Liq. Piperazine	

### 16. Disinfection Schedule

Sl.No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1.	Tiger		ViraCid-S and Kohrsolin-Th (Spraying)	Every Month
2.	Leopard			
3.	Jackal			
4.	Sloth bear			
5.	Monkey			
6.	Birds			

### 17. Health Check-up of employees for zoonotic diseases

Last health check-up was carried out for staff on 06/12/2017

### 18. Development Works carried out in the zoo during the year

1. Tiger squeeze cage
2. Lavatory and toilet for visitors
3. Compound wall on east side of Zoo

### 19. Education and Awareness programmes during the year

Wild life week is celebrated at the zoo from 1<sup>st</sup> to 7<sup>th</sup> October every year with coordination of State Forest Department and help of volunteers of NGOs in Nagpur. Education and awareness programs by such as Drawing competition, tree plantation, Cleaning of the Zoo garden, Plastic ban

awareness. Bird watching program are organized successfully to upgrade the existing knowledge and skills of the visitors. The staffs 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.

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

## **20. Important Events and happenings**

Under Animal adoption scheme, Narayana Vidyalayam School adopted one blue bull for one year.

## **21. Seasonal special arrangements for upkeep of animals**

Regular cutting of fire lines made before onset of summer all along the boundary of the zoo. Fire lines are kept clean of leaves and fallen branches all the time throughout the summer. During summer coolers are placed in front of the animal enclosures, regular sprinkling of water in day times. During winter season heaters are placed for the animals and natural bedding materials also provided.

## **22. Research Work carried out and publications Nil**

## **23. Conservation Breeding Programme of the Zoo Nil**

## **24. Animal acquisition / transfer / exchange during the year**

A.	Animals arriving in the Zoo				
	H.NO.	Species	Number (M:F)	From which Zoo	Date of arrival in the zoo
	Peafowl	Peafowl	2:0	Raman science	07/02/2018

	house			centre, Nagpur	
B.	Animals going from the zoo				
	H.NO.	Species	Number (M:F)	Going to which Zoo	Date of deposition from the zoo
	Tiger house	Tiger	0:1	Gorewada Rescue Centre, Nagpur	18/07/2017

## 25. Rescue and Rehabilitation of wild animals carried out by the Zoo

Sl.No.	Date of Rescue	Species with number of animals rescued with their sex (M:F:U:T)	Received from	Date of Submission of Report to the CWLW / CZA	Action taken	
					Date and Place of rehabilitation in their habitat	Reasons for housing in the zoo, if not released in their habitat





## 26. Annual Inventory of animals

Form – II

[See Rule 11(1)]

Part – A

Inventory Report for the Year : 2016-17

Endangered Species\*

S.No.	Animal Name	Scientific name	Opening Stock as on 01/04/2017				Births			Acquisition			Disposal			Death			Closing Stock as on 31/03/2018				
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
1	Peafowl	<i>Pavo cristatus</i>	1	1	0	2	0	0	0	2	0	0	0	0	0	0	1	0	0	2	1	0	3
2	Antelope Four horned	<i>Tetracerus quadricornis</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
3	Bear Sloth	<i>Melurses ursinus</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
4	Black Buck	<i>Antelope cervicapara</i>	6	6	0	12	0	0	2	0	0	0	0	0	0	0	1	0	7	6	0	13	
5	GazelleChinkara Indian	<i>Gazelle bennettii</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
6	Jackal	<i>Canis aureus</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
7	Langur Common	<i>Semnopithecus entellus</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
8	Leopard	<i>Panther pardus</i>	4	4	0	8	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	8	
9	MacaqueRehsus	<i>Macaca mulatta</i>	3	2	0	5	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	5	
10	Otters Smooth indian	<i>Lutrogaleper spicillata</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
11	Tiger Bengal	<i>Panther tigris</i>	0	3	0	3	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	
12	Crocodile Marsh	<i>Crocodylu spalustris</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	

\*Animals under Schedule I and Schedule II of the Wild Life (Protection) Act, 1972

Part – B

Other than Endangered Species

S.No.	Animal Name	Scientific name	Opening Stock as on 01/04/2017				Births			Acquisition			Disposal			Death			Closing Stock as on 31/03/2018			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
1	Parakeet Alexandrine	<i>Psittaculae upatria</i>	7	7	0	14	0	0	0	0	0	0	0	0	0	0	0	0	7	7	0	14
2	Parakeet Rose Ring	<i>Psittacula krameri</i>	8	3	0	11	0	0	0	0	0	0	0	0	0	0	0	0	8	3	0	11
3	Deer Sambar	<i>Rusa unicolor</i>	2	1	0	3	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	2
4	Deer Spotted	<i>Axis axis</i>	5	14	0	19	0	0	6	0	0	0	0	0	0	0	0	0	8	17	0	25
5	Blue bull	<i>Boselaphu stragocamelus</i>	5	6	0	11	0	0	0	0	0	0	0	0	0	0	0	0	5	6	0	11
6	Tortoise Indian star	<i>Geochelon eelegans</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
7	Budgerigar	<i>Melopsittacus undulates</i>	0	0	95	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95	95
8	Coackaitel	<i>Nymphicus hollandicus</i>	0	0	92	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92	92
9	Emu	<i>Dromaiusnovae hollandiae</i>	3	4	0	7	0	0	0	0	0	0	0	0	0	1	0	0	2	4	0	6

## 27. Mortality of animals

Sl. No.	Animal Name (with individual identification mark, if any)	Scientific Name	Sex	Date of Death	Reason of Death as per the Post-mortem report
1	Emu	<i>Dromaius novae hollandiae</i>	M	11/04/2017	Death may be due to heat stroke
2	Blue bull	<i>Boselaphus tragocamelus</i>	F	20/04/2017	Died due to ruminal impaction
3	Peafowl	<i>Pavo cristatus</i>	M	02/05/2017	Death may be due to shock
4	Sambar	<i>Rusa unicolor</i>	M	11/10/2017	Death may be due to respiratory failure
5	Tiger	<i>Panther tigris tigris</i>	F	29/03/2018	Death may be due to multiple organs failure

## 28. Compliance with conditions stipulated by the Central Zoo Authority Report submitted to CZA already as follow

Sr. No.	Norm under RZR, 2009	Violation of Recognition of Zoo Rules, 2009	Compliance pending since	Compliance	Time limit
<b>General requirements</b>					
1.	10(1.3)	The zoo Operator has failed to stop the Yoga Classes being held within the premises of the Zoo.	Violations observed during present evaluation dated 18.01.2018 also pending since 29.11.16	Yoga classes would be stopped	1 month
2.	10(1.3)	The Zoo has failed to provide appropriate barrier to separate the children play area.	Violations observed during present evaluation dated 18.01.2018 also pending since 29.11.16	Hedges provided More will be updated in development plans	Need to get the plan approved from CZA
3.	10(1.3)	The Zoo has failed to provide circulation pathway for movement of visitors.  The Zoo has failed to stop entry of morning walkers. The Zoo has failed to provide appropriate screening between the	11.04.2011	Provided Will be updated according to master layout plan Will be stopped  Hedges provided Arogya Ashram is going to close	-  1 month  1 month

		Sambar enclosure and Arogya Ashram Mandal which is next to the Sambar enclosure.		down	
4.	10(1.4)	The Zoo has failed to submit details regarding the 12 mt. wide road inside the zoo premises which is very close to nala and to the zoo periphery.	Violations observed during present evaluation dated 18.01.2018	The road was under town planning and accordingly the layout map is updated.	
5.	10(10.4)	The Zoo has failed to construct the Barrier/Boundary wall broken/fallen at various places to regulate the access of unregulated visitors and stray animals. The Zoo has also failed to construct Boundary wall on west side and east side of the zoo.	16.1.2015 and 11.04.2011	work in progress on east side west side boundary wall will be erected	Enclosure 1  1 year
6.	10(1.5)	The Zoo has failed to stop selling of food in plastic at the food outlets.	29.11.2016	Stopped	Implemented
7.	10(1.7)	The Zoo has failed to dispose off the solid and liquid waste and effluent generated in the zoo in an appropriate manner.	11.04.2011	Complied	-
8.	10(1.9)	The Zoo has failed to stop entry of feral dogs to the zoo.	Violations observed during present evaluation dated 18.01.2018 and also pending since 19.11.2016, 16.01.2015 and 11.04.2011	Boundary wall construction in progress	-
<b>Administrative and staffing Pattern</b>					
9.	10(2.1)	The Zoo has failed to create an administrative hierarchy with adequate financial and administrative powers	16.01.2015	Will be done soon  Adequate powers are given to officer In-	1 month  Enclosure 2 and 3

		to the officer in-charge.		Charge	
10.	10(2.2)	The Zoo Operator has failed to deploy full time Officer In-Charge and Biologist cum Education Officer.	Violations observed during present evaluation dated 18.01.2018 and also pending since 16.01.2015,11.04.2011	Will be appointed	1 Month
<b>Development and Planning</b>					
11.	10(3.7)	The Zoo has failed to produce records regarding the release of rescued Palm civet and rescued kite.	29.11.2016	Records provided	Enclosure 4
12.	10(3.7)	The Zoo has failed to provide enclosure to the seized Otter which was handed over the zoo, as per the size prescribed by the CZA.	29.11.2016	Will be done after approval of Development plan	Need approval of Master Plan
13.	10(3.7&8)	The Zoo has failed to take prior permission from the Chief Wildlife Warden of the State and the Central Zoo Authority as mandatory under Section 38 I for acquiring the rescued wild Tigresses cubs also accepted the Four leopards rescued and two Smooth coated otters.	Violations observed during present evaluation dated 18.01.2018 and also pending since 11.04.2011	The animals were brought by forest department for saving life and treatment and reported accordingly.	Enclosure 5,6 & 7
14.	10(3.7)	The Zoo has failed to submit report to the CZA about the rescue of any endangered animal and also failed to take prior permission about housing the rescued animal from the CWLW, Maharashtra.	11.04.2011	The endangered animals were brought by state forest Department only.	Enclosure 5,6 & 7
<b>Animal housing display of animals and animal enclosures15.</b>					
15.	10(4.2)	The Zoo has failed to provide the animal enclosures for Sloth	Violations observed during present evaluation dated	Will be done after approval of Development	Need to get the plan approved.

		bear, Leopard, Rhesus macaque and Common langur meeting the norms prescribed by the CZA.	18.01.2018 and also pending since 11.04.2011	plan	
16.	10(4.2)	The Zoo has failed to remove partition between the Leopard and Sloth bear enclosure which may be used for housing of Leopard only.	Violations observed during present evaluation dated 18.01.2018 and also pending since 29.11.2016	Partition Will be removed	1 month
17.	10(4.2)	The Zoo has failed to shift the Blue bull and Blackbuck housed next to the Tiger enclosure to the newly constructed herbivore enclosure.	29.11.2016	Will be shifted soon	2 month
18.	10(4.2)	The Zoo has failed to stop display and control the excess number of birds in the exotic birds aviaries as per the carrying capacity of the aviaries.  The Zoo has also failed to enrich the exotic birds aviaries.	Violations observed during present evaluation dated 18.01.2018 and also pending since 29.11.2016.	Excess birds will be disposed soon  Provided	2 months  Exotic birds aviaries enriched with wooden perches.
19.	10(4.2)	The Zoo has failed to house the fishes in natural and hygienic condition in the aquarium.	Violations observed during present evaluation dated 18.01.2018	Provided will be upgraded	15 days
20.	(4.2)	The Zoo has failed to provide good quality soil in the spotted deer enclosure as per the requirement and behavioral needs of the species.	Violations observed during present evaluation dated 18.01.2018 and also pending since 29.11.2016	Provided	Encl. 8
21.	10(4.2)	The Zoo has failed to provide proper inlet-outlet facility for the water body inside the	11.04.2011	Complied	Removed birds

		aviary.			
22.	10(4.2)	The Zoo has failed to make the leopard enclosure of the area and dimensions as prescribed by the CZA. And also failed to house leopard as per the carrying capacity of the enclosure.	11.04.2011	Will be done after approval of Development plan	Need to get the Plan approval.
23.	10(4.2)	The Zoo has failed to remove the tile flooring with rough cemented surface in the Rhesus macaque enclosure	11.04.2011	Updated, will be upgraded	15 days
24.	10(4.2&3)	The Zoo has failed to Shift Emu which is housed next to Tiger enclosure, to other enclosure	29.11.2016	Will be done after approval of Development plan	Need the master layout plan approval
25.	10(4.7)	The Zoo has failed to provide adequate screening space between the adjacent enclosures while designing the new enclosures of animals.	16.01.2015	Will be done after approval of Development plan	Proposed in the development plan.
26.	10(4.7)	The Zoo has failed to provide screening between exotic birds and Indian birds.	Violations observed during present evaluation dated 18.01.2018 and also pending since 29.11.2016	Provided	Will be upgraded according to layout plan
27.	10(4.10)	The Zoo has failed to provide signages at the animals enclosures containing the biological information on the species housed therein.	Violations observed during present evaluation dated 18.01.2018 and also pending since 11.04.2011	Provided, will be upgraded	1 month
		The Zoo has failed to provide Directional and warning signages at all relevant places.	16.1.2015	Provided, will be upgraded	1 month
		The Zoo has also failed to label trees	16.01.2015	Complied	1 month



		and plants.			
<b>Upkeep and healthcare of animals</b>					
28.	10(5.1g)	The Zoo has failed to provide footbath at the entrance of each night house.	16.01.2015	Veterinarian (Full time not available)	Need to post Full time Veterinarian.
29.	10(5.2)	The Zoo has failed to test random samples of food and water regularly.	16.01.2015	Complied	will be done regularly
30.	10(5.2)	The Zoo has failed to prepare the diet chart of all animals in consultation with the Veterinary Officer.	11.04.2011	Complied	Displayed at feeding cubicles and food distribution room
31.	10(10.3)	The Zoo has failed prepare written schedule for vaccination and de-worming.	16.01.2015	Complied	Put on display at each enclosure
32.	10(5.5)	The meat handler at the zoo has failed to use hand gloves.	16.01.2015	Complied	Using regularly
33.	10(5.5)	The Zoo has failed to remove the waste material plastic bottle lying inside the animal enclosure and unused bricks from the Neelgai enclosure.	11.04.2011	Complied	Zoo area declared as plastic free zone
34.	10 (5.7)	The Zoo has failed to create cover drainage for meat storage facility.	16.01.2015	Complied	-
35.	10(5.9)	The Zoo has failed to screen the staff regularly for zoonotic diseases.	11.04.2011	Complied	Done regularly Encl. 9
36.	10(5.10)	The Zoo has failed to maintain the Animal History Cards in the format as prescribed by the CZA.	Violations observed during present evaluation dated 18.01.2018 and also pending since 29.11.2016	Complied	Encl. 10
<b>Veterinary and infrastructure Facilities.</b>					
37.	10(6.1,2 &3)	The zoo has failed to upgrade the Veterinary facilities.	16.01.2015 and 11.04.2011	Updated, will be upgraded to keep functional	2 months

		The zoo has also failed to monitor health of the animals and failed prescribed format of the CZA			
38.	10(7.)	The Zoo has also failed to maintain Post Mortem report in the prescribed format of the CZA.	11.04.2011	Complied	Encl. 11
<b>Acquisition and breeding of animals</b>					
39.	10(9.4)	The Zoo has failed to pair the single animals.	16.01.2015	Communicated to MZA and will be done accordingly	
40.	10 (9.4)	The zoo has failed to find mates for the Common langur, Jackal, Chinkara, Sloth bear and Bonnet macaque.  The zoo has failed to acquire male for lone tigress, jackal, common langur, Chinkara, Blackbuck, Four horned antelope and crocodile	16.01.2015  11.04.2011	Communicated to MZA and will be done accordingly	
41.	10(9.7)	The zoo has failed to take approval from the CZA regarding acquisition and transfer of animals.	11.04.2011	Complied	-
42	10(9.9)	The zoo has failed to take permission from concerned authorities regarding release of spotted deer in the wild.	11.04.2011	Complied	-

### 30. List of free living wild animals within the zoo premises

<b>a. Mammals</b>	
1	Rhesus Macaque ( <i>Macaca mulatta</i> )
2	Indian Palm Civet ( <i>paradoxurus hermaphroditus</i> )
3	Three Striped Palm Squirrel ( <i>Funambulus palmarum</i> )
4	Common Grey Mongoose ( <i>Herpestes edwardsi</i> )
<b>b. Birds</b>	
1.	Little Egret ( <i>Egretta garzetta</i> )
2.	Cattle Egret ( <i>Bubulcus ibis</i> )
3.	Indian Pond Heron ( <i>Ardeola grayii</i> )
4.	Oriental Honey Buzzard ( <i>Pernis ptilorhynchus</i> )
5.	Black-shouldered Kite ( <i>Elanus axillaris</i> )
6.	Black Kite ( <i>Milvus migrans</i> )
7.	Shikra ( <i>Accipiter badius</i> )
8.	Eurasian Sparrow hawk ( <i>Accipiter nisus</i> )
9.	White-eyed Buzzard ( <i>Butastur teesa</i> )
10.	Grey Francolin ( <i>Francolinus pondicerianus</i> )
11.	Common Quail ( <i>Coturnix coturnix</i> )
12.	Rain Quail ( <i>Coturnix coromandelica</i> )
13.	Jungle Bush Quail ( <i>Perdicula asiatica</i> )
14.	Rock Bush Quail ( <i>Perdicula argoondah</i> )
15.	Small Button Quail ( <i>Turnix sylvaticus</i> )
16.	Common Peafowl ( <i>Pavocristatus</i> )
17.	White-breasted Waterhen ( <i>Amaurornis phoenicurus</i> )
18.	Red-wattled Lapwing ( <i>Vanellus indicus</i> )
19.	Little Ringed Plover ( <i>Charadrius dubius</i> )
20.	Common Sandpiper ( <i>Actitis hypoleucos</i> )
21.	Wood Sandpiper ( <i>Tringa glareola</i> )
22.	Little Brown Dove ( <i>Spilopelia senegalensis</i> )
23.	Spotted Dove ( <i>Spilopelia chinensis</i> )
24.	Yellow-footed Green Pigeon ( <i>Treron phoenicoptera</i> )
25.	Rock Pigeon ( <i>Columba livia</i> )
26.	Plum-headed Parakeet ( <i>Psittacula cyanocephala</i> )
27.	Rose-ringed Parakeet ( <i>Psittacula krameri</i> )
28.	Eurasian Cuckoo ( <i>Cuculus canorus</i> )
29.	Indian Cuckoo ( <i>Cuculus micropterus</i> )
30.	Common Hawk-Cuckoo ( <i>Hierococcyx varius</i> )
31.	Pied Cuckoo ( <i>Clamator jacobinus</i> )
32.	Asian Koel ( <i>Eudynamis scolopacea</i> )
33.	Greater Coucal ( <i>Centropus sinensis</i> )

34.	Collared Scops Owl ( <i>Otusletitia</i> )
35.	Jungle Owlet ( <i>Glaucidiumradiatum</i> )
36.	Spotted Owlet ( <i>Athenebrama</i> )
37.	Asian Palm Swift ( <i>Cypsiurusbalasiensis</i> )
38.	House Swift ( <i>Apusnipalensis</i> )
39.	Indian Roller ( <i>Coraciasbenghalensis</i> )
40.	Black-hooded Oriole ( <i>Oriolusxanthornus</i> )
41.	Indian Pitta ( <i>Pitta brachyura</i> )
42.	Ashy crowned Sparrow Lark ( <i>Eremopterixgriseus</i> )
43.	Rufous-tailed Lark ( <i>Ammomanesphoenicura</i> )
44.	Sykes Lark ( <i>Galerida deva</i> )
45.	Oriental Skylark ( <i>Alaudagulgula</i> )
46.	Dusky Crag Martin ( <i>Ptyonoprogneconcolor</i> )
47.	Wire-tailed Swallow ( <i>Hirundosmithii</i> )
48.	Red-rumped Swallow ( <i>Cecropisdaurica</i> )
49.	Streak-throated Swallow ( <i>Petrochelidonfluvicola</i> )
50.	Black Drongo( <i>Dicrurusmacrocerus</i> )
51.	Common Woodshrike( <i>Tephrodornispondicerianus</i> )
52.	Long-tailed Shrike ( <i>Laniusschach</i> )
53.	Bay-backed Shrike ( <i>Laniusvittatus</i> )
54.	Chestnut-tailed Starling ( <i>Sturniamalabarica</i> )
55.	Brahminy Starling ( <i>Sturniapagodarum</i> )
56.	Rosy Starling ( <i>Pastor roseus</i> )
57.	Asian Pied Starling ( <i>Gracupica contra</i> )
58.	Common Myna( <i>Acridotherestrictis</i> )
59.	Indian House Crow ( <i>Corvussplendens</i> )
60.	Large Cuckoo shrike ( <i>Coracinamacei</i> )
61.	Black headed Cuckoo-shrike ( <i>Coracinamelanoptera</i> )
62.	Small Minivet( <i>Pericrocotuscinnamomeus</i> )
63.	Red-vented Bulbul ( <i>Pycnonotuscafer</i> )
64.	White-browed Bulbul ( <i>Pycnonotusluteolus</i> )
65.	Tawny-bellied Babbler ( <i>Dumetiahyperythra</i> )
66.	Yellow-eyed Babbler ( <i>Chrysommasinense</i> )
67.	Jungle Babbler ( <i>Turdoidesstriata</i> )
68.	Asian Brown Flycatcher ( <i>Muscicapalatirostris</i> )
69.	Red throated Flycatcher ( <i>Ficedulaalbicilla</i> )
70.	Tickell's Blue Flycatcher ( <i>Cyornistickelliae</i> )
71.	Asian Paradise Flycatcher ( <i>Terpsiphoneparadisi</i> )
72.	Black-naped Monarch ( <i>Hypothymisazurea</i> )
73.	White-browed Fantail ( <i>Rhipiduraaureola</i> )
74.	Whitet-hroated Fantail ( <i>Rhipiduraalbicollis</i> )
75.	Ashy Prinia( <i>Priniasocialis</i> )

76.	Plain Prinia( <i>Prinia inornata</i> )
77.	Jungle Prinia( <i>Prinia sylvatica</i> )
78.	Clamorous Reed Warbler ( <i>Acrocephalus stentoreus</i> )
79.	Great Tit ( <i>Parus major</i> )
80.	Paddy field Pipit ( <i>Anthus rufulus</i> )
81.	White browed Wagtail ( <i>Motacilla maderaspatensis</i> )
82.	White Wagtail ( <i>Motacilla alba</i> )
83.	Purple-rumped Sunbird ( <i>Leptocomazeylonica</i> )
84.	Purple Sunbird ( <i>Cinnyris asiaticus</i> )
85.	Oriental White-eye ( <i>Zosterops palpebrosus</i> )
86.	Pale-billed Flowerpecker( <i>Dicaeum erythrorhynchos</i> )
87.	Red Avadavat ( <i>Amandava amandava</i> )
88.	Indian Silverbill( <i>Lonchura malabarica</i> )
89.	White-rumped Munia( <i>Lonchura striata</i> )
90.	Scaly-breasted Munia( <i>Lonchura punctulata</i> )
91.	House Sparrow ( <i>Passer domesticus</i> )
92.	Baya Weaver ( <i>Ploceus philippinus</i> )
93.	Common Stonechat ( <i>Saxicolator quatus</i> )
94.	Whitethroated Ground Thrush ( <i>Geocichla citrinacyanotis</i> )
95.	Brown Rock Chat ( <i>Cercomela fusca</i> )
96.	Oriental Magpie Robin ( <i>Copsychus saularis</i> )
97.	Indian Robin ( <i>Saxicoloides fulicatus</i> )
98.	Pied Bushchat( <i>Saxicola caprata</i> )
99.	Blackrumped Flameback( <i>Dinopium benghalense</i> )
100.	Yellow-crowned Woodpecker ( <i>Dendrocopos mahrattensis</i> )
101.	Common Iora( <i>Aegithina tiphia</i> )
102.	Golden-fronted Leafbird( <i>Chloropsis aurifrons</i> )
103.	Booted Warbler ( <i>Iduna caligata</i> )
105.	Common Tailorbird ( <i>Orthotomus sutorius</i> )
105.	Orphean Warbler ( <i>Sylvia hortensis</i> )
106.	Lesser Whitethroat ( <i>Sylvia curruca</i> )
107.	Common Chiffchaff ( <i>Phylloscopus collybita</i> )
108.	Greenish Warbler ( <i>Phylloscopus trochiloides</i> )
109.	Black Redstart ( <i>Phoenicurus ochruros</i> )
110.	Pied Kingfisher ( <i>Ceryle rudis</i> )
111.	Common Kingfisher ( <i>Alcedo atthis</i> )
112.	White-throated Kingfisher ( <i>Halcyon smyrnensis</i> )
113.	Green Bee-eater ( <i>Merops orientalis</i> )
114.	Coppersmith Barbet ( <i>Megalaima haemacephala</i> )
115.	Common Hoopoe ( <i>Upupa epops</i> )
116.	Common Grey Hornbill ( <i>Ocyroceros birostris</i> )
	<b>c. Reptiles</b>

1	Common Sand (Russell's Earth) ( <i>Boa Gongylophis (Eryx) conicus</i> )
2	Indian Rock Python ( <i>Python molurusmolurus</i> )
3	Trinket Snake ( <i>Coelognathus (Elaphe) helena Helena</i> )
4	Common Rat Snake ( <i>Ptyas mucosa</i> )
5	CheckeredKeelback ( <i>Xenochrophispiscator</i> )
6	Common Kukri Snake ( <i>Oligodanarnensis</i> )
7	Common Wolf Snake ( <i>Lycodonaulicus</i> )
8	Indian Egg-eater ( <i>Elachistodonwestermanni</i> )
9	Cat Snake( <i>Boigatrigonata</i> )
10	Indian Cobra ( <i>Najanaja</i> )
11	Common Indian Krait ( <i>Bungaruscaeruleus</i> )
12	Russell's Viper ( <i>Daboiarusselli</i> )