

MAHATMA GANDHI ZOO

SOLAPUR MUNICIPAL CORPORATION SOLAPUR
(MAHARASHTRA STATE)



ANNUAL REPORT

FOR THE YEAR
2019-20

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1. Report of the Officer-in-charge

It is my immense pleasure to present the annual report of Mahatma Gandhi Zoo for the year 2019-20. New infrastructure developmental activities planned in the preceding year were successfully completed. Since I have an educational background of Master in Veterinary Science. I have keen interest in the activities of Zoo department of the Solapur Municipal Corporation, Solapur (Maharashtra State).

This year, during wildlife week many activities are conducted for various target groups such as Environmental awareness programme, creating wildlife conservation awareness amongst the schools and citizens and celebrating various environmental days on regular basis.

Wildlife week had enthusiastically celebrated this year too with loads of activities. The educational activities in the zoo are needed to be enhanced with the public participation at large.

Popularity of M. G. Zoo is increasingly progressively with the help of well management, cleanliness, advertising by " Google Map " as well as " Just Dial ".

In future we will develop the new animal enclosures, collecting the new animals, updating the amenities for visitors, promoting the educational activities through Mahatma Gandhi Zoo.

I am very much thankful to Municipal Commissioner Deepak Taware has given us time to time his support for developmental activities in the Zoo.

With Warm Regards,



Dr. Nitin Rajendra Gote

Zoo Director.

Mahtama Gandhi Zoo, Solapur

2. History of the Zoo

In the year 1977, Honourable Shri. Sundaram, Commissioner, Solapur Municipal Corporation has initiated the zoo with financial aid of Municipal Corporation and from Damani Family of Jam Mills, Solapur, initially the animals like Tiger, Python, Pelican, Crocodile etc., possessed by Johnson Zoo were purchased. Pair of Lions from Sayaji Park, Baroda (Gujarat) were purchased, further in exchange of Cubs, Spotted Deers from Kanpur Zoo and Monkeys and other birds from zoos all over India were brought and zoo had come into existence in the year 1981, a pair of Leopard and in the year 1990 pair of a Tiger was brought from Nandan Kaman Zoological Park, Bhuvaneshwar. The strength of leopard was further increased by addition of pair of leopard from forest department of Manchar, Dist- Pune.

3. Vision

Mahatma Gandhi Zoo intends to generate effective awareness among the people in creating a pro-environment lobby force for protecting conservation of endangered and native animal species along with conservation endangered species, flora and fauna to encourage future development.

4. Mission

1. To create naturist habitat to the species while safe and enjoyable exhibits to visitors.
2. To impart education and to create facilities for research of species, flora and fauna.
3. To provide entertainment and modern amenities to the visitors.
4. To complement the national efforts in conversation rough planned co-coordinated breeding of species of the region & collaborative research.

5. Objectives

1. Education of public with special emphasis on environment, ecology and zoology.
2. Conservation of endangered species, plants and animals in most Naturalistic environment.
3. Research on specific species.
4. Recreation of visitors.
5. Recreation and relaxation of mind and spirit in healthy atmosphere.

6. About Us

S.No.	Particulars	Information
Basic Information about the Zoo		
1	Name of the Zoo	MAHATMA GANDHI ZOO
2	Year of Establishment	1977
3	Address of the Zoo	Near Revan Siddheshwar Temple, Opposite to Kambar Talav, Soninagar, Solapur.
4	State	MAHARASHTRA STATE.
5	Telephone Number	+91 8459125211
6	Fax Number	--
7	E-mail address	nitingote456@gmail.com
8	Website	www.solapurcorporation.gov.in
9	Distance from nearest	Airport: Not available
		Railway Station : 2 km
		Bus Stand : 3 km
10	Recognition Valid up to (Date)	---
11	Category of zoo	Mini zoo
12	Area (in Hectares)	23.5 hectares
13	Number of Visitors (Financial Year)	Adult : 50,853
		Children : 11,994
		Total Visitors : 62,847
		Total Foreigners : --
		Total Visitors:
14	Visitors' Facilities Available in Zoo	1. 30 % concession facilities for school & college student's education trips. 2. Free of cost visit for senior citizens. 3. Wheel chair facility started for Divyang / handicapped visitors. 4. Hygienic toilets available for visitors.
15	Weekly Closure Day of the Zoo	Thursday

S.No.	Particulars	Information
Management Personnel of the Zoo		
16	Name with designation of the Officer in- charge	Dr. Nitin Rajendra Gote Zoo Director
	Name of the Veterinary Officer	Dr. Shubhangi Tajne-Vasutkar
	Name of the Biologist	Vacant
	Name of the Education Officer	Vacant
	Name of the Compounder/ Lab Assistant /Animal Keeper	Bharat Shinde
Owner / Operator of the Zoo : The Commissioner, Solapur Municipal Corporation, Solapur (Maharashtra State)		
17	Name of the Operator	Solapur Municipal Corporation
18	Address of the Operator	Indrabhavan, Park Chowk, Solapur – 413 001
19	Contact details/Phone number of Operator	0217-2735300
20	E-mail address of Operator	smccommissioner@yahoo.com

8. Human Resources

Manpower of the Zoo

S.No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1.	Zoo Director	01	
2.	Veterinary Officer	01	
3.	Biologist	00	
4.	Animal Keeper	01	
5.	Zoo Labour	17	
5.	Cleaner	01	
6.	Security Guard	06	

9. Capacity Building of Zoo Personnel

- **In house training programs are organised periodically for zoo staff and volunteers.**
- **Various training programs attended by zoo staff whenever invited and organised by the Central Zoo Authority of India.**
- **The Zoo is discussion for long term collaboration with department of Environmental sciences,Zoology from Sangameshwar College and Dayanad College,Solapur.**
- **Subject concerned expertise is invited to deliver lectures at zoo to educate staff.**

10. Zoo Advisory Committee

NIL

11. Health Advisory Committee

Date on which meetings held during the year -10th April 2019 taken
Health check up camp for zoo staff by team of Health department of
Solapur Municipal Corporation.

12. Statement of Income and Expenditure of the Zoo

Income Statement for the year 2019-20

Month	Income in Rs.
April, 2019	86,160
May, 2019	1,08,660
June, 2019	70,966
July, 2019	74,995
August, 2019	90,825
September, 2019	41,710
October, 2019	00
November, 2019	55,996
December, 2019	1,02,005
January, 2020	1,02,881
February, 2020	75,575
March, 2020	41,471
Total:-	8,51,244

Expenditure for the Year 2019-20

Expenditure Description	Amount in Rs.
Workers' salary expenditure	9,44,050
Beef, chicken, Eggs	14,88,065
Dog catching	1,96,754
Vegetables	34,35,120
Fruits	4,26,114
Food grains	18,32,940
Security	1,41,800
Zoo renovation	1,45,000
Zoo book printing	81,450
Total:-	86,91,293

13. Daily feed Schedule of Animals

Sr.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
1.	Leopards	Beef	5 kg/ animal	4 kg / animal	Friday
2.	Crocodile	Beef and Chicken	10 kg	10kg	Friday

Species	No. of Species	Per animal requirement	Green Grass (Lasun Ghas+Kadvad+Palak) (In Kg.)	Kakadi (In Kg.)
Chital	50	6 Kg	300	00
Sambar - deer	11	11 Kg	121	00
Blackbuck	36	3 Kg	108	00
Total			529	00

Species	No. of Species	Per animal requirement	Wheat Barn (In Kg.)	Banana
Chital	50	1.00 Kg	50	50
Sambar deer	11	7.5 Kg	83	60
Blackbuck	36	0.6 Kg	22	50
Total			155	160

Species	No. of Species	Per animal requirement	Fodder Grass (In Kg.)	Kobi (In Kg)
Chital	50	12	600	2.5
Sambar deer	11	20	220	1
Blackbuck	36	10	360	1
Total			1180	4.5

14. Vaccination Schedule of animals

S.No.	Species	Disease vaccinated for	Name of the Vaccine & dosage/ quantity used	Periodicity	Remarks
1	Leopard	Feline Rhinotracheitis, Feline Calcivirus and Feine Enteritis	Tri Cat - 1ml	Annually	
2	All Birds	Raniket Disease	F1 Lasota Strain Vaccine For RD	Annually	
3	Primates	Rabbies	Inj Rabisin	Annually	
			Inj.Tetanus	Annually	

15. De-worming Schedule of Animals

Species	Drug used	Month
Leopard, Monkey	Albomar	2 Sept., 2019
Black Buck, Spotted Deer, Sambar	Febendazole	7 Sept., 2019
Birds	Piparazine	4 Sept., 2019
Leopard, Monkey	Olgard	4 Nov., 2019
Black Buck, Spotted Deer, Sambar	Olgard	
Leopard, Monkey	Albomar	20Feb., 2020
Black Buck, Spotted Deer, Sambar	Febendazole	

16. Disinfection Schedule

S.No.	Species	Type of enclosure	Disinfectant used & method	Frequency of disinfection
1.	Leopard (4)	Closed	Potassium Paramagnet	4 days interval
2.	Monkey (3)			
3.	Birds (12)			
4.	Black Buck	Open		
5.	Sambar			
6.	Spotted Deer			

17. Health Check-up of employees for zoonotic diseases

S.No.	Name	Designation	Date of Health Check up	Findings of Health Check up
1	All Zoo Staff	Labour	10/04/2019	No zoonotic disease found



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

- SMC has allocated Rs.1.25 Cr. Budget and work is started in January, 2018, which is completed in June, 2019. New perimeter wall work is completed around the zoo .This is 1.50 m (6 inch) thick, 747 m length, Concrete wall height 2.40 m, chain link fencing wall 1.60 m., Total height of 14 ft. (4.5 meter.) with Bar bending (1.75m)



Figure: 1 - Old wall compound



Figure: 2 -construction of RCC wall is completed

- Earthworm Compost plant regularized in the zoo and using this fertilizer for planting.



19. Education and Awareness programmes during the year 2019-20

Events:

Education and awareness program organized in zoo for students of school from Solapur

Swachchata Abhiyan :

More than 400 volunteers are participated in month of December 2019 at Zoo.

We delivered a short lecture on environment.

20. Important Events and happenings in the Zoo

- We have taking advice from Rajiv Gandhi National Park, Katraj (Pune) and Performed Vasectomy for the spotted deer and Blackbuck.



21. Seasonal special arrangements for upkeep of animals

- Under the summer management programme Electrolyte powder was given in drinking water to Leopard, Monkey and Birds.
- For protection from heat stroke, Zoo has been arranged air cooler facilities, wet land, Green net shed etc.
- Pest controlling done outside the enclosures on dated 02/10/2019.
- Precautions always taken for FMD outbreaks. Our team done Potassium Paramagnet solutions.



- **List of animals required in the zoo**

Required Animals	Scientific Name	M	F	U	Total
Lion Hybrid	<i>Panthera leo</i>	1	1	0	2
Royal Bengal Tiger	<i>Panthera igris</i>	1	1	0	2
Porcupine Indian Crested	<i>Hystrix indica</i>	0	1	0	1
Sloth Bear	<i>Melursus ursinus</i>	1	1	0	2
White Peacock	<i>Pavocristatus</i>	1	1	0	2
Jackal	<i>Canis aureus</i>	1	1	0	2
Golden Pheasant	<i>Chrysolophus pictus</i>	0	1	0	1
Cobra Indian	<i>Naja naja</i>	1	0	0	1
Wolf Indian	<i>Canis lupus pallipes</i>	1	1	0	2
		7	8	0	15

- **List of surplus animals in the zoo**

Surplus Animal	Scientific Name	M	F	U	Total
Bonnet Macaque	<i>Macaca radiata</i>	2	0	0	2
Rhesus Macaque	<i>Macaca mulatta</i>	2	0	0	2
Black Buck	<i>Antelope Cervicapra</i>	5	5	0	10
Spotted Deer	<i>Axis axis</i>	15	20	0	35
Sambhar Deer	<i>Rusa Unicolor</i>	2	2	0	4
Marsh Crocodile	<i>Crocodylus Palustris</i>	0	0	18	18

22. Research Work carried out and publications

- A total no. 3 batches students from Parabhani Veterinary College attended internship programme for the year 2019-20.
- Project done on “Study of Zoo Animal Diseases of Mahatma Gandhi Zoo” by Shruti Chandrakant Sangar, M.Sc.-II –Zoology, D.B.F Dayanand college of Art and Science, Solapur. In this manuscript we provide key information regarding zoonotic diseases and also recommend important measures further control and prevention. The information provide here will be highly beneficial for workers in close association with Zoo animals.
- Project done on “An Introduction and Management of Mahatma Gandhi Rashtriya Udyan Zoo” by Pooja Uddhav Shinde, M.Sc.-II –Zoology, D.B.F. Dayanand College of Arts and Science, Solapur. The study is going to conduct a management on maintainance, visitors’ visit etc. Therefore designed a data base related to visitors, entry tickets staff development and planning, house feeding, health care record keeping and breeding etc.

23. Conservation Breeding Programme of the Zoo

NA

24. Animal acquisition / transfer / exchange during the year

NA

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


NA

26. Annual Inventory of animals.

Form – II [See Rule 11(1)] Part – A
Inventory Report for the Year 2019-20

ANNUAL INVENTORY REPORT -2019-20																							
MAHATMA GANDHI ZOO,SOLAPUR MUNCIPLE CORPORATION																							
Sr.No.	Animal Name	Scientific Name	Opening Stock (1/04/19)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31/03/2020)				
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
A. Birds																							
1	Peafowl	<i>Pavo cristatus</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3
Total			1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3
B. Mammals																							
1	Leopard	<i>Panthera pardus</i>	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4	
2	Spotted Deer	<i>Axis axis</i>	18	30	2	50	0	0	4	0	0	0	0	0	0	2	0	1	20	30	1	51	
3	Black Buck	<i>Antelope cervicapra</i>	22	13	0	35	0	0	6	0	0	0	0	0	1	2	0	22	14	2	38		
4	Sambhar	<i>Rusa unicolor</i>	2	8	0	10	0	0	3	0	0	0	0	0	0	0	0	2	9	2	13		
5	Macaquet Bonnet	<i>Macaou radiata</i>	6	1	0	7	0	0	0	0	0	0	0	0	0	0	0	6	1	0	7		
6	Macaquet Rhesus	<i>Macaque mulatta</i>	4	1	0	5	0	0	0	0	0	0	0	0	0	0	0	4	1	0	5		
Total			54	55	2	111	0	0	13	0	0	0	0	0	0	3	2	1	56	57	5	118	
C. Reptiles																							
1	Marsh Crocodile	<i>Crocodylus palustris</i>	3	1	16	20	0	0	0	0	0	0	0	0	0	0	0	3	1	16	20		
Total			3	1	16	20	0	0	0	0	0	0	0	0	0	0	0	3	1	16	20		
Grand Total			58	58	18	134	0	0	13	0	0	0	0	0	0	3	2	1	60	60	21	141	


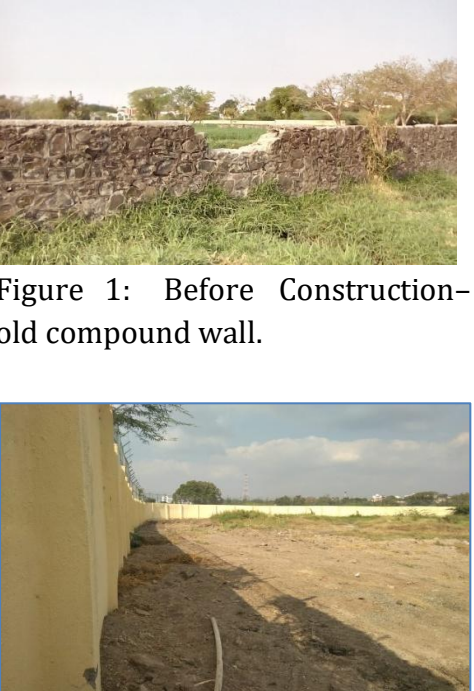
Note: We have removed domestic and Exotic Birds and Rose ringed Parakeets from the Zoo





Zoo Director
Solapur Municipal Corporation

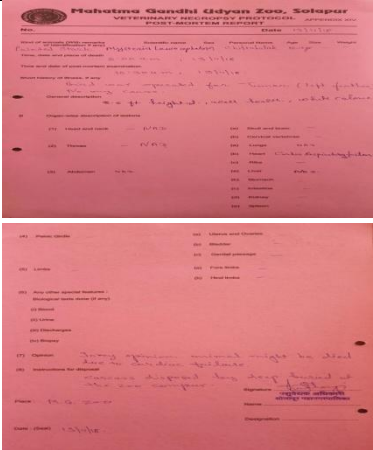
27. Mortality of animals


Sr. No.	Animal Name	Scientific Name	Sex	Date of Death	Reason of Death as per the Post-mortem report
1	Spotted deer	<i>Axis axis</i>	Male	01/10/2019	Cardiac Shock
2	Blackbuck deer	<i>Antelope cervicapra</i>	Female	17/10/2019	Pneumonia
3	Blackbuck deer	<i>Antelope cervicapra</i>	Female	07/11/2019	Infighting with male leads to perforation of thorax causes Hypovolemic shock
4	Spotted deer	<i>Axis axis</i>	U	30/11/2019	Pneumonia
5	Spotted deer	<i>Axis axis</i>	Male	06/01/2020	Hypovolemic shock and respiratory collapse.
6	Blackbuck deer	<i>Antelope cervicapra</i>	Male	16/03/2020	Cardiac Shock



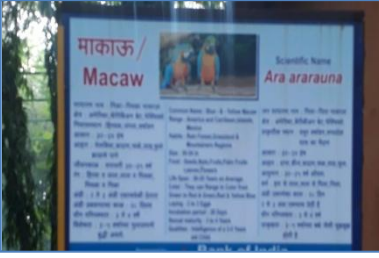

28. Status of the Compliance with conditions stipulated by the Central Zoo Authority


S.No	Norm Under RZR 2009	Violations of Recognition of Zoo Rules 2009	Compliance sheet for 2019	Submitted recent photos
General Requirements				
1	10 (1.2)	The zoo has failed to plant endemic large trees in various enclosures / aviaries to provide shade and shelter to the animals and to stimulate the conditions of the natural habitat of the animal in the enclosures.	Zoo master plan was prepared and large endemic trees were planted in 2016. Also we have now planned to plant large trees in June- July 2018, for which pits are already prepared and order is placed for saplings.	
2	10 (1.6)	The zoo has failed to construct the perimeter wall of the zoo which is surrounded by human landscape (perimeter wall of at least two meter in height from the ground level on both sides)	SMC has allocated Rs.1.25 Cr. Budget and work is started in January, 2018, which is expected to be completed by June 2019	 <p>Figure 1: Before Construction—old compound wall.</p> <p>Figure 2: Perimeter wall construction is under progress.</p>

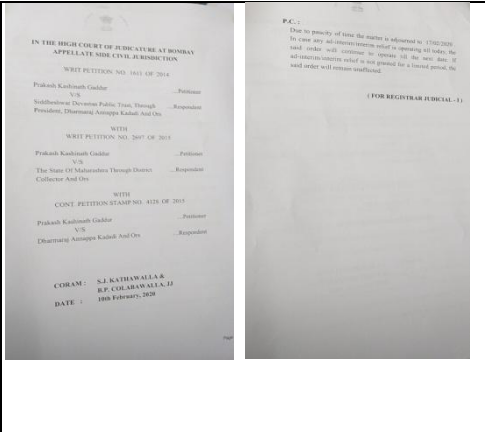
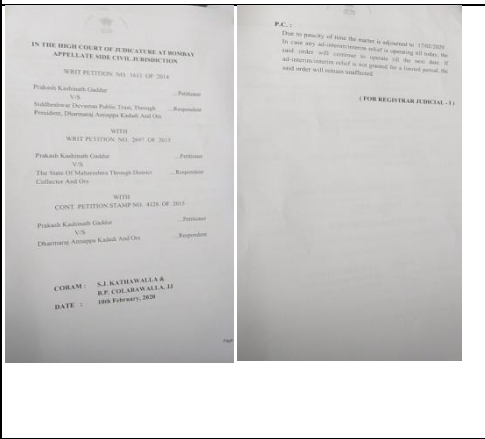

3	10 (1.7)	<p>The zoo has failed to maintain zoo premises free from Garbage, plastic and metal etc., and also failed to free the entrance of the zoo from stagnant rain water.</p>	<p>Collection of garbage, plastic, metal etc. is done on daily basis water logging at entrance gate is removed by proper drain.</p>	
4	10 (1.7)	<p>The zoo has failed to take appropriate measures for solid and liquid waste generated inside the zoo so that adverse impact is not created on the environment.</p>	<p>1. For solid waste collection, collection van from solid waste management department of Solapur Municipal Corporation is collecting solid waste on daily basis.</p> <p>2. For Liquid waste Septic Tank (STP) constructed and it is now functional.</p>	 
5	10 (1.8)	<p>The zoo has failed to mention the species rose ringed parakeet (13 Nos.) grey partridge housed at the zoo in the statutory annual inventory of the animals submitted to the CZA.</p> <p>The zoo has also failed to provide the source of acquisition of these birds.</p>	<p>It was not properly acquired and source of acquisition of these birds is not known so we had released all birds with the help of Forest Department in Natural Habitat.</p>	





6	10 (1.9)	The zoo has failed to stop housing the wild birds (grey partridges) along with the domestic birds. The zoo should remove domestic animals housed in the zoo immediately.	Grey Partridge was not available in zoo. It was not properly acquired and source of acquisition of these birds is not known so we had released all birds with the help of Forest Department in Natural Habitat.	
Administrative and staffing pattern				
7	10 (2.1)	The zoo has failed to appoint whole time officer in charge of the zoo of the appropriate rank with adequate financial and administrative powers.	As Per CZA Guideline Full time Officer in Charge as a zoo director appointed. Jan-2019, who has been given sufficient financial & administrative powers as per MMC Act, 1949.	
8	10 (2.2)	The zoo operator has failed to deploy full time curator veterinary officer education officer as well as biologist.	Being Mini Zoo, We have appointed Veterinary Officer cum Curator and also we have appointed Biologist.	
9	10 (3.6)	The zoo has failed to make available an addition 21 acres area for the development of zoo.	Regarding the additional land for the construction of Veterinary Hospital is Sub-Judice before Hon'ble High Court and High Court has granted stay order. Hence construction has not been initiated.	
10	10 (3.7 and 8)	The zoo has failed to obtained permission from the CWLW of the state and the CZA regarding the acquisition of rescued Pariah kites (4) and painted stork (01) the zoo has failed to submit the clarification regarding the source of acquisition of birds.	The Pariah Kites are not available in Zoo. & the Painted Stork was available till 19/11/2018. Now Painted stork is died. The true copy of the post mortem conducted by the Zoo is enclosed herewith.	


Animal housing display of animals and animal enclosures				
11	10 (4.1) and Sec 381 of the wild life (protection) Act 1972	The zoo has failed to provide information regarding the recent purchase of number of exotic birds without any approval as well as it has not followed the animal collection plan. Further the zoo does not have adequate space for housing of the acquired species.	Exotic birds purchasing committee formed with member of Forest Department, Animal Husbandry Department, and District Honorary Wildlife Warden. Committee submitted their report to Hon. Commissioner and General body of Municipal Corporation. Evaluation and Monitoring Officer visited zoo before taking Central Zoo Authority permission to purchase birds. After taking objection by evaluation officer all birds were released in natural habitat under guidance of Forest Department.	
12	10 (4.1)	The zoo has failed to stop housing the budgerigar in small cages inside the office of the zoo and also failed to shift the bird to an appropriate enclosure as per biological and behavioral requirements of the species.	The Zoo has shifted budgerigar to an appropriate enclosures as biological and behavioral requirements of the species.	
13	10 (4.2)	The zoo has failed to provide the animal exhibits as per the norms prescribed by the CZA for example, jackal, rhesus macaque civet cat aviaries etc.,	Jackle and Civet Cat not available in the Zoo. Appropriate aviaries for Macaw and other birds proposed in the new master plan which is under implementation.	
14	10 (4.2)	The zoo has been exhibiting Leopard in feeding and retiring cell. The zoo has failed to shift leopard to new enclosure for the last 8 years against the welfare of the animal and its biological requirements. During the evaluation said enclosure was found lying unused, rusted full of rain water and vegetation.	The leopards are shifted at the new enclosure & their behavioral enrichment is now good.	

15	10 (4.3)	The zoo has failed provide kuccha floor in the aviary for peacock	The Zoo has provided kuchcha floor in the aviary for peacock. See pitures.in fig : 1 & 2.	<p>Figure : 1</p>  <p>Figure:2.</p> 
16	10 (4.3)	The zoo has failed to make efforts to make its aviaries free of rodents.	We maintain rodents free cages with the help of rodent's catcher and other necessary measures.	
17	10 (4.3 and 6)	The zoo has constructed enclosures for lion, leopard and crocodile but the same as not were made functional. It was informed that it is unused for the last 3 years.	The leopards and crocodile are shifted at the new enclosure & their behavioral enrichment is now good. Lion exchange program is with Shakkarbagh Zoo, Junagadh (Gujarat) .its waiting from Central Zoo Authority for approval on December 2020.	
18	10 (4.10)	The zoo has failed to provide signage in local languages with relevant information about biology behavior etc. about the animal exhibited in the enclosures.	All signage's are made in three languages i.e. Marathi, Hindi & English & also prepared environmental signages in the zoo.	 
Upkeep and health care of animals				
19	10 (5.2)	The zoo has failed to maintain records of animal feed provided to the animals.	The requisite records are being meticulously maintained.	

20	10 (5.2)	The zoo has failed to ensure the animal feed house rodent free and moisture proof.	Animal feed house is rodent free now; we are taking necessary measures for the same.	
21	10 (5.5)	The zoo has failed to provide proper arrangements from drainage and removal of excreta and residual water from each cell / cubicle enclosure.	Now enclosures of leopard and lion are well drained by gutter system and joined to underground drainage system.	
22	10 (5.8)	The zoo has failed to screen the animals against parasitic loads as per written schedule and also failed to maintain details on prophylactic medicines administered as per clinical requirements and vaccination of animals against infectious diseases at the zoo centre.	We have done animal deforming, TB and Brucellosis testing for the Zoo animals with the help of Dr. Ghoke (Prof. of Pathology) Udgir Veterinary College.	
23	10 (5.9)	The zoo has failed to screen the staff working with the animals against the zoonotic diseases.	Health screening for the zoo staff for Rabies vaccination, TT injection and T.B. is already done.	
24	10 (5.10)	The zoo has failed to maintain the keeper diary and also failed to ensure the signing of the same on daily basis. The zoo has also failed to maintain the individual animal history sheet in the format as prescribed by the CZA.	The keeper Diary is maintained on daily basis now, also individual animal sheet will be maintained as per the instructions.	
Veterinary and infrastructure facilities				

25	10 (6.1)	The zoo has failed to create veterinary infrastructure the zoo has even failed to construct veterinary hospital for the last 8 years in spite of financial assistance provided by the CZA.	The land on which veterinary infrastructure is being constructed was under litigation. However, now there is no stay from Hon. Mumbai H.C. hence, work will completed in next Six months.	
26	10 (6.1c)	The zoo has failed to provide treatment room post mortem room as well as quarantine and isolation area at an appropriate area.	The land on which veterinary infrastructure is being constructed was under litigation. However, now there is no stay from Hon. Mumbai H.C. hence, work will completed in next Six months.	
27	10 (6.3)	The zoo has failed to keep the tranquilizing equipment safely under the lock and also failed to maintain the records with regard to the usage of tranquilizing drugs in a register.	We have provided a safety box for keeping tranquilizing Gun with lock. In future, we are maintaining the records with regard to the usage of tranquilizing drugs in a register.	
Acquiring and breeding of animals				
28	10 (9.4)	The zoo has failed to pair single porcupine in its collection.	The Porcupine is dead on 7 th January 2019	
29		The zoo has failed to adopt population control measures in respect of spotted deer blackbuck and bonnet macaque.	We have taking advice from Rajiv Gandhi National Park, Katraj (Pune) and performed Vasectomy for the spotted deer and Blackbuck. We will complete the process in May 2019	
Post-mortem and disposal of carcasses of animals.				

30	10(7.1,2,3)	The Zoo has failed to house the animals as per the carrying capacity of the enclosure and also failed to house the animals in the enclosure with prescribed dimension of CZA. The zoo has failed to investigate the reason behind the death of animals Blackbuck, Sambar, Rhesus macaque due to infighting. The zoo has also failed to adopt immediate population control measures and also failed to phase out the surplus animal to other recognized zoos with prior approval of the CZA.	We have taking advice from Rajiv Gandhi National Park, Katraj (Pune) and performed Vasectomy for the spotted deer and Blackbuck.	
Visitors facilities				
31	10 (12.1)	The zoo has failed to improve the hygienic condition and cleanliness of civic amenities.	Hygienic condition & cleanliness in zoo is empowered now to the satisfaction of citizens i.e., Figure 1 and Figure 2.	 <p data-bbox="1141 1108 1556 1153">Figure: 1.</p>  <p data-bbox="1141 1422 1556 1467">Figure: 2.</p>
32	10(12.2)	The zoo has failed to provide snake anti-venom and life saving drugs for the safety of zoo visitors.	We have placed the demand for ASV & life saving drugs are made for the Safety of zoo visitors.	

33	10(12.3)	The zoo has failed to provide functional wheelchair for the physically challenged persons.	We are providing wheelchair for the physically challenged persons.	
Maintenance of Records and submission of Inventory				
34	10(11.1)	<p>The following Indian, domestic and exotic species are not shown in the animal inventory submitted by the zoo to the CZA.</p> <ol style="list-style-type: none"> 1. Grey Partridge(7) 2. Rose ringed parakeet (13) 3. Muscovy duck(7) 4. Macaws(2) 5. Love Birds (180) 6. African love birds(8) 7. African java bird (8) 8. Golden pheasant 9. Rosella (2) 10. Turkey (4) 11. Domestic ducks (11) 12. Domestic pigeons(4) 	As per norms & regulations of CZA, all the domestic birds & exotic birds are released with the help of Forest Department hence the list of these birds are not shown in animal inventory report .	

Others			
35	<p>The zoo has failed to complete the work for which the financial assistance of Rs. 1. 78 Crores provided to the zoo by the CZA during 2009-10 for the construction of following new enclosures and other infrastructure.</p> <p>Leopard (Rs. 32.30 lakhs) SpottedDeer (Rs. 33.42 lakhs) Lion (Rs. 46.84 lakhs) Marsh Crocodile (Rs. 15.59 lakhs) Veterinary Hospital (Rs. 50.6 lakhs) The zoo has also failed to refund the grant since the zoo is unable to complete the works for which the funds were allotted by the CZA.</p>	<p>The grant was released vide CZA letter no. 19—25/93-CZA (Vol. IV) (155) (NA), dated 23/11/2009 and letter no. 19-25*/93-CZA (Vol.IV) (155) (NA) dated 12/04/2010.</p> <p>U.S. has been submitted for Rs.167 lacs remaining unutilized funds will be in process.</p>	
36	<p>The zoo shifted Lion to new enclosure and the lion died a year ago. However, this enclosure is also lying empty.</p>	<p>Since, we couldn't get lion; we have required Aurangabad Zoo for Royal Bengal Tiger. However they had asked as for exchange of Carnivorous, which we don't have with us.</p>	
37	<p>The deer enclosure is being constructed. Signages were put up as stated by the Zoo, but at the time of evaluation there were not sufficient signage's available. The signage's which were available at the zoo were in very poor condition.</p>	<p>We have put additional signages in the visible area.</p>	

29. List of free living Wild Animals within the Zoo premises

LIST OF MAMMALS

Sr.No	English Name	Scientific Name	Scientific Name
1	Palm Squirrel	Khar	<i>Funambulus palmarum</i>
2	Common Mongoose	Mungus	<i>Herpestes edwardsi</i>

LIST OF BIRDS

Sr.No	Vernacular Name (Mararathi)	English Name	Scientific Name
1	Mor	Peafowl	<i>Pavo cristatus</i>
2	Chimani	House Sparrow	<i>Passer domesticus</i>
3	Kawala	House Crow	<i>Corvus splendens</i>
4	Shikra	Shikra	<i>Accipiter badius</i>
5	Ghar	Pariah Kite	<i>Milvus migrans</i>
6	Sugaran	Baya Weaver Bird	<i>Ploceus phillippinus</i>
7	Titvi	Red-wattled Lamwing	<i>Vanellus indicus</i>
8	Popat	Rose-ring Parakeet	<i>Psittacula krameri</i>
9	Kokila	Koel	<i>Eudynamis colopacea</i>
10	Bharadwaj	Crow Pheasant	<i>Centropus sinensis</i>
11	Salunkhi	Common Myna	<i>Acridotherus tristis</i>
12	Bulbul	Red-Vented Bulbul	<i>Pycnonotus cafer</i>
13	Satbhai	Large Grey Babbler	<i>Turdoides malcolmi</i>
14	Bhoradi	Brahmini Myna	<i>Sturnus pagodarun</i>
15	Gavhani Ghubad	Barn Owl	<i>Tyto alba</i>
16	Khandya	White-breasted Kingfisher	<i>Halcyon smyrnensis</i>
17	Shingchocha	Grey Hornbill	<i>Tocoides birostris</i>
18	Domkwala	Jungle Crow	<i>Corvus macrorhynchos</i>
19	Shimpi	Tailer Bird	<i>Orthotomus sutarius</i>

LIST OF REPTILES

Sr.No	English Name	Scientific Name	Scientific Name
1	Inidan Rat Snake	Dhaman	<i>Ptyas mucosa</i>
2	Wolf Snake	Kavdya	<i>Lycodon aulicus</i>
3	Common Lizard	Lizard	<i>Hemidactylus frenatus</i>



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