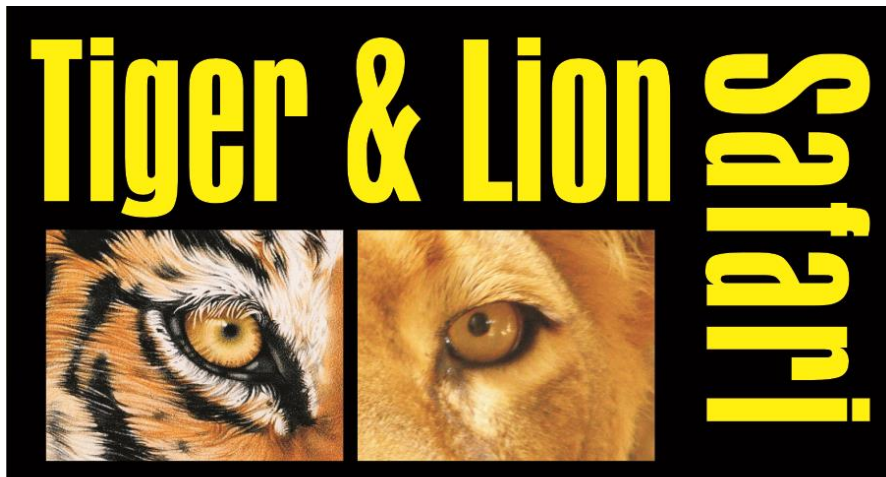


# **Tiger and Lion Safari,** **Thyavarekoppa, Shimoga**

Annual Report for the year  
2017-18



Tyavarekoppa, Shimoga, Karnataka

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

The Tiger and Lion safari, Thyavarekoppa, Shimoga initially in an area of 27.50 Ha with three safari enclosures namely Lion, Tiger & Herbivorous were started and now the whole Zoo and safari area is extended to 195.00 Ha.

The animals housed in the municipal Zoo of Shimoga were also relocated to this place after Central Zoo Authority of India de recognized its existence.

This zoo has been recognized as a small Zoo with Safari by the Central Zoo Authority of India and now the steps have been taken up by the Zoo Authority of Karnataka for the improvement of this zoo permitting to carry out necessary development works to create good infrastructure. This zoo have all the potential which will going to prove one of the finest zoos in the country in future days

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

With this background, the Tiger and Lion Safari was established in the year 1988 at Thyavarekoppa near Shimoga. This Tiger and Lion Safari is situated 10 kilometers away from Shimoga city on the left side of the Bengaluru-Honnawara highway leading towards the world famous Jog falls. The above safari was developed with the financial assistance of Zilla Panchayath, Shimoga, mainly and supported by Malnad Area Development Board, M.P.M., Bhadravathi and other voluntary Organisation and Karnataka Forest Development. Presently Tiger & Lion Safari, Thyavarekoppa, Shimoga comes under the jurisdiction of Zoo Authority of Karnataka.

## **3. Vision**

Tiger & Lion Safari, Thyavarekoppa will be a dynamic institute for excite conservation exhibit which inspires people to love, care & protect wild habitat.

## **4. Mission**

To inspire public for valuing the presence of living beings in their lives, intern providing an enjoyable educational experience about wildlife.

## **5. Objective**

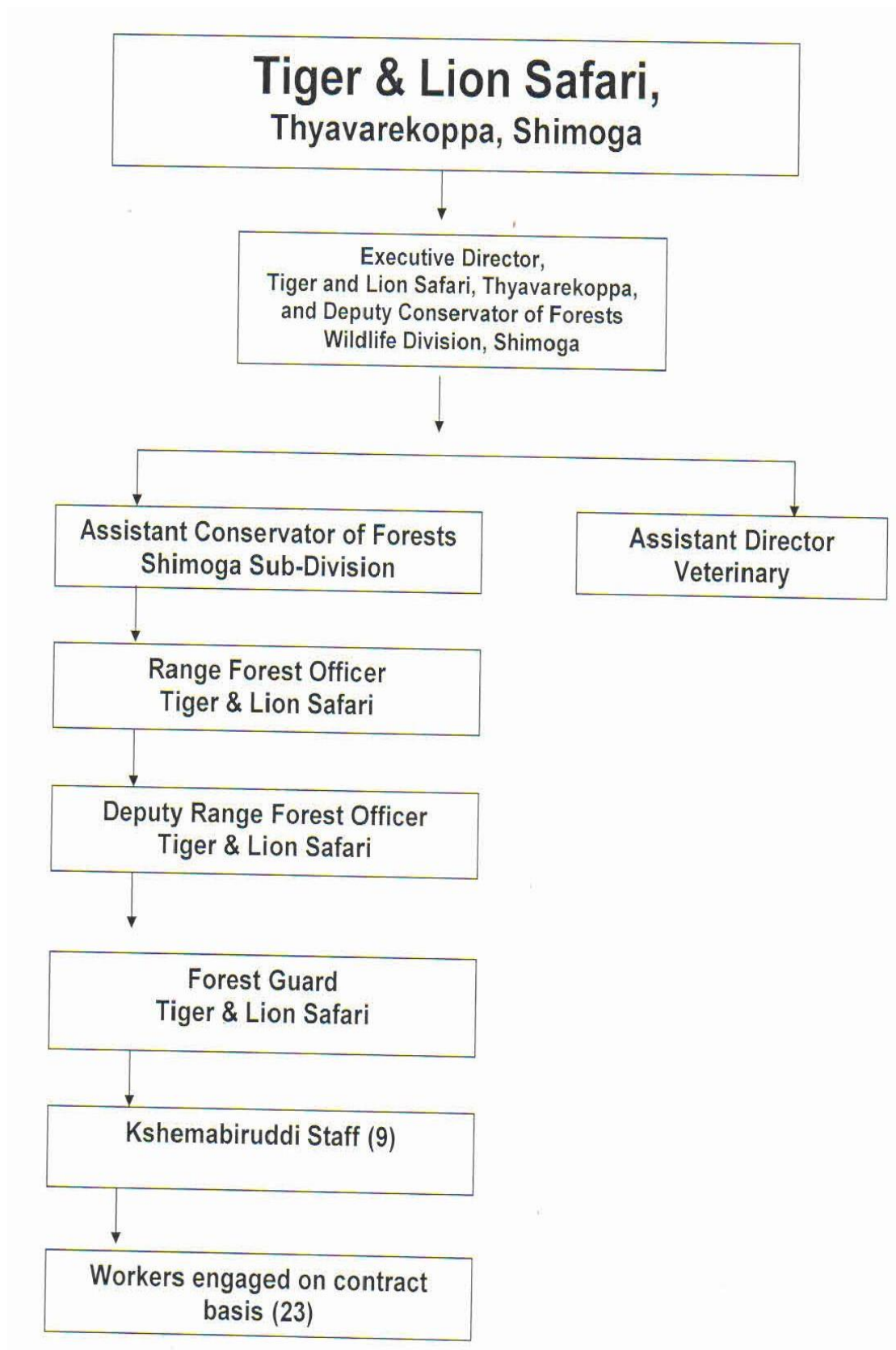
1. The main aim of the zoo is to house whole animals for conservation breeding & reintroduction into the wild.
2. Superior animal well being
3. To educate people & Create awareness among the people.

## About us

S.No.	Particulars	Information
<b>Basic Information about the Zoo</b>		
1	Name of the Zoo	Tiger & Lion Safari
2	Year of Establishment	1988
3	Address of the Zoo	Thyavarekoppa, Shimoga
4	State	Karnataka
5	Telephone Number	08182-222983, 9448125892
6	Fax Number	-
7	E-mail address	<a href="mailto:dcfwlshimoga@gmail.com">dcfwlshimoga@gmail.com</a> <a href="mailto:tigerlionsafari@gmail.com">tigerlionsafari@gmail.com</a>
8	Website	-
9	Distance from nearest	Airport: 184 km Mangaluru International Airport Railway Station: 13 km Shivamogga Town Railway Station Bus Stand: 10 km K.S.R.T.C Bus Stand, Shivamogga
10	Recognition Valid upto (Date)	2017
11	Category of zoo	Small Zoo
12	Area (in Hectares)	195.00 Ha
13	Number of Visitors (Financial Year)	Adult : 205175 Children : 46289 Total Indian : 251464 Total Foreigners : 1857 Total Visitors: 253321

<b>S.No.</b>	<b>Particulars</b>	<b>Information</b>
14	Visitors' Facilities Available in Zoo	1. Parking Space 2. Drinking Water (R.O.Plant Installation) 3. Reception Hall 4. Pergolas 5. Children Park 6. Watch and Ward 7. Canteen 8. Rest rooms 9. Museum
15	Weekly Closure Day of the Zoo	Tuesday
<b>Management Personnel of the zoo</b>		
16	Name with designation of the Officer in-charge	Sri. S.J.Chandrashekar Executive Director, Tiger and Lion Safari, Thyavarekoppa, and Deputy Conservator of Forests, Wildlife Division, Shimoga.
	Name of the Veterinary Officer	Sri. Dr.Sujay C.S
	Name of the Curator	Sri. Pradeep S.Halbhavi
	Name of the Biologist	-
	Name of the Education Officer	-
	Name of the Compounder/ Lab Assistant	-
<b>Owner / Operator of the Zoo</b>		
17	*Name of the Operator	Sri Sandeep Dave, IAS
18	Address of the Operator	Additional Chief Secretary to Government, Forest, Environment and Ecology Department, Karnataka Government Secretariat, Room No.447, 4th Floor, Gate No.2, M.S.Building, Bangalore.
19	Contact details/Phone number of Operator	080-22256722/ 22032509
20	E-mail address of Operator	prsfee@gmail.com

6. Organizational Chart



## 7. Human Resources

### Manpower of the Zoo\*

Sl.No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1	Executive Director (Deputy Conservator of Forests)	0	
2	Assistant Director	1	Dr.Sujay C.S
3	Range Forest Officer	1	Pradeep S.Halbhavi
4	Deputy Range Forest Officer	3	Guru C. Yashodhar B.H
5	Forest Guard	1	Suresh V.K
6	Forest Watcher	3	Vacant
7	Driver	1	Vacant
8	Attender	1	Vacant
<b>Total</b>		<b>11</b>	

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

## 8. 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	Pradeep Halbhavi-RFO Guru C-DyRFO Dinesh.G.B-Computer Operator	Tally Software Training	29.01.2018 & 30.01.2018	Zoo Authority of Karnataka, Mysore (Dist), Karnataka State

## 9. Zoo Advisory Committee

a. Date of constitution-

b. Members proposed:

The Addl. Principal Chief Conservator Forests And Member Secretary, Zoo Authority of Karnataka, Mysore- Chairman  
Executive Director, Tiger & Lion Safari, Thyavarekoppa, Shimoga  
Deputy Conservator of Forests, Wildlife Division, Shimoga,  
Assistant Director, Tiger & Lion Safari, Thyavarekoppa, Shimoga  
Range Forest Officer, Tiger & Lion Safari, Thyavarekoppa, Shimoga  
Assistant Executive Engineer, Banneghatta Biological Park, Bangalore  
Educational Officer, Tiger & Lion Safari, Thyavarekoppa, Shimoga

c. Dates on which Meetings held during the year: Nil



## 10. Health Advisory Committee–

a. Date of constitution :

b. Members proposed:

The Addl. Principal Chief Conservator Forests And Member Secretary, Zoo Authority of Karnataka, Mysore – Chairman

Dean, Veterinary College, Shimoga

Executive Director, Tiger & Lion Safari, Thyavarekoppa, Shimoga

Prof and Head, Pathology, Pharmacology and surgery

Assistant Director, TLS, Shimoga

Assistant Director, Mysore Zoo, Mysore

Regional research Officer/ scientist-1, RRL, IAH & VB, Shimoga

Veterinarian, Shimoga Division and Sakkrebyle Elephant camp, Shimoga

c. Dates on which Meetings held during the year: - Nil

## 11. Statement of income and expenditure of the Zoo

Sl. No.	Year	Revenue Collected (Rs.)	Expenditure (Rs.)
1	2015-16	18265204.00	25245936.00
2	2016-17	17768875.00	24182637.00
3	2017-18	17596145.00	33317785.00

## 12. Daily feed Schedule of animals

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
1	Tiger	beef	10 kg	10 kg	1 day
2	Leopard	Beef	3 kg	3 kg	1 day
3	Other animals	Copy attached	Copy attached		nil
			(No significant seasonal variations noted)		

## 13. Vaccination Schedule of animals

Sl. No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
1	Felids	Feline calci virus infection, infectious feline rhinotrachitis, feline pan leukopenia, rabies	Feligen 1 ml	Yearly	Combined vaccine
			ARV	Yearly	
2	Canids	Leptospirosis, CD, CPV, Rabies	Nobivac 1 ml	Yearly	Combined vaccine
			ARV	Yearly	

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

Sl.No.	Species	Drug used	Month
1	All animals	Closantal Oxyclozinide levamisole Fenbendazole Albendazole/ivermectin	Jan April July Oct

#### 15. Disinfection Schedule

Sl.No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Felids, canids, ostrich and emu	Open enclosure	Viracid, spray	Monthly
2		Holding house	Biokleen, phenyl – diluted and applied on floor	Daily
3	Birds	Closed enclosure	Viracid, spray	Monthly
4		Holding house	Biokleen, phenyl – diluted and applied on floor	Daily

Note : gas burning of enclosure done once in 2 weeks

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

Sl.No.	Name	Designation	Date of Health Check up	Findings of Health Check up
1	Tiger & Lion Safari all Staffs		Sep-2017	No significant findings

**17. Development and Maintenance Works carried out in the zoo during the year**



Repair of Watch Tower



Installment of Children Play Items



Maintenance of Metallic Road



Y angle and chain link mesh painting



Protection Net in Peacock Cage and Net



Construction of Barrage between Emu and Ostrich birds



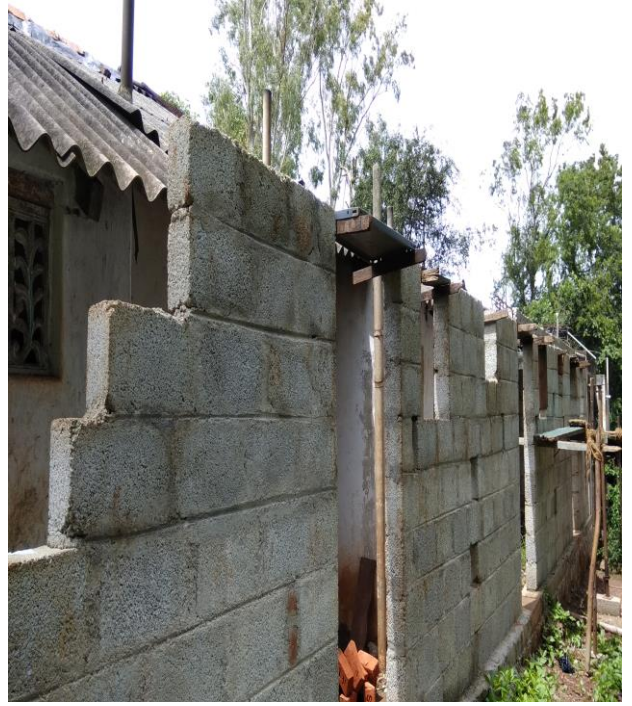
Construction of Protection mesh for visitors in front of Emu and Ostrich birds



New Iron Gates for Leopard Cages



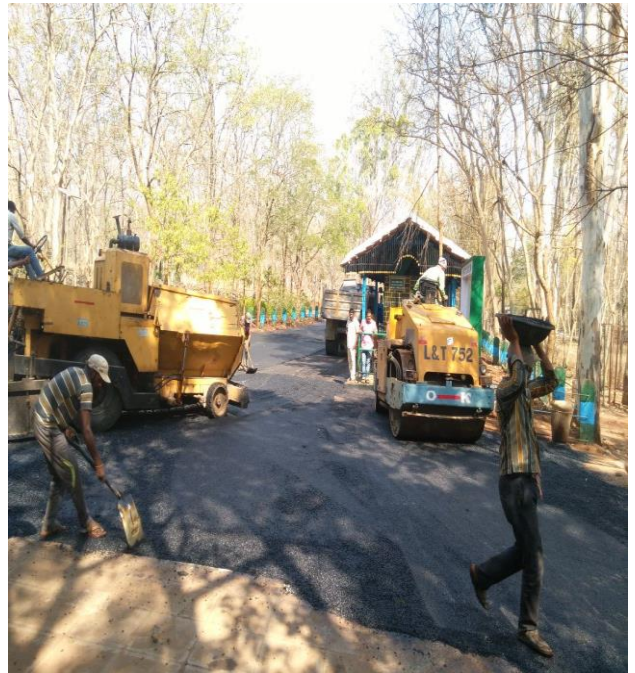
Sand Refilling in Children's Park



Repair works of Staff Quarters



Installation of Pipe Culvert in Road



Maintenance of Asphalt Road

## 18. Education and Awareness programmes during the year



Swachtha Abiyana at Safari



Childrens Day Celebration at Safari

## 19. Important Events and happenings



Health Camp to Safari Staff



Vanamahotsava Programme in Safari

**20. Seasonal special arrangements for upkeep of animals :** Enrichment activities by the zoo keepers for their animal on regular basis.

**21. Research Work carried out and publications :** Nil

**22. Conservation Breeding Programme of the Zoo :** Nil

**23. 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	
Leopard House	Panthera pardus	1	Wild Rescued	30.07.2017	
Lion Safari	Panthera leo	1:1	Bannerghatta Biological Park, Bangalore	11.11.2017	
B. Animals going from the zoo					
H.NO.	Species	Number (M:F)	Going to which Zoo	Date of deposition from the zoo	
Nil					

**24. 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
Nil						







## 26. 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	Shilpa	<i>Panthera pardus</i>	female	11.06.2017	Pregnancy toxemia
2	Silver pheasant	<i>Lophura nycthemera</i>	male	02.07.2017	Physical injury and infighting leading to death
3	Lady Ahmrest Pheasant	<i>Chrysolophus amherstiae</i>	male	09.07.2017	Salmonellosis
4	Lady Ahmrest Pheasant	<i>Chrysolophus amherstiae</i>	female	26.07.2017	Salmonellosis
5	Lady Ahmrest Pheasant	<i>Chrysolophus amherstiae</i>	male	02.11.2017	Enterobacterial infection
6	Lady Ahmrest Pheasant	<i>Chrysolophus amherstiae</i>	female	06.11.2017	Physical injury and infighting leading to death
7	Sudeer	<i>Panthera pardus</i>	male	23.02.2018	Death due to impaction in the intestine.
8	Silver pheasant	<i>Lophura nycthemera</i>	male	27.02.2018	Death due to infighting, shock and death
9	Crocodile	<i>Crocodylus palustris</i>	female	15.03.2018	Torsion and intussuption of large intestine

## 27. Compliance with conditions stipulated by the Central Zoo Authority

Proceedings Of The Hearing Representative of the Tiger and Lion Safari ,Thyavarekoppa, Shimoga, Karnatka Under Section 38h(6) Of The Wild Life (Protection) Act, 1972

Chaired By The Member Secretary, Central Zoo Authority

Central Zoo Authority, Pt. DeendayalAntyodayaBhawan, CGO Complex, New Delhi- 110003

NOTICE: F.No.19-221/93-CZA(Vol. V) Dated . 26.04.2018

Sl.	Norm under RZR, 2009	Violations of Recognition of Zoo Rules, 2009	Compliance pending since	Submission by the Zoo Operator/Representative
<b>1. General requirements</b>				
1	10(1.1)	The Tiger-Lion Safari, failed to adopt appropriate population control measures to maintain optimum viable population of Sambar, Spotted deer and Tigers in the Safaris. New blood should also be introduced to maintain genetically healthy populations.	Violation observed during <b>16.08.2016</b> and also during present evaluation dated 13.09.2017	The Tiger-Lion Safari is maintaining viable population of Sambhar, Spotted Deer and Tigers.  New blood will be introduce by exchanging animals from other zoo.  In consultation with the CWLW and the MS, ZAK, proposal will be submitted to the CZA regarding exchange of new blood lineTiger, Sambar and Spotted Deer, within three months.  Further, the excess population of the Spotted deer and Sambar shall be released in their wild habitat observing IUCN and the CZA protocol, within three months.
<b>2.Administrative and staffing pattern</b>				
2	10(2.1)	The Tiger-Lion Safari, officer in-charge as well as the staff members has not been imparted trainings and exposure to the zoo management techniques and skills.	Violation observed during <b>16.08.2016</b> and also during present evaluation dated 13.09.2017	The Executive Director working in the Tiger and Lion Safari, Shivamogga is trained in wildlife management, wildlife institute of India – Dehradun. The Veterinary Doctor working in the zoo Hospital was earlier working in Bannerghatta Biological Park and know the techniques and skills of handling the animals. Animal Keepers shall be deputed for training in Sri Chamarajendra Zoological Garden in batches within a period of six months.
<b>3.Development and Planning</b>				

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Sl.	Norm under RZR, 2009	Violations of Recognition of Zoo Rules, 2009	Compliance pending since	Submission by the Zoo Operator/Representative
3	10(3.1)	The Tiger -Lion Safari operator failed to submit the Master Plan for the long term development of the Safari Park	Violation observed during <b>16.08.2016</b> and also during present evaluation dated 13.09.2017	Master Plan has been submitted.
4	10(3.6)	The Tiger-Lion Safari Park failed to shift the rescued animals (Toddy cat, Small Indian civet cat and Leopard cat) to other zoos having suitable housing facilities by obtaining prior approval from the Chief Wildlife Warden of the state and the CZA.	Violation observed during <b>16.08.2016</b> and also during present evaluation dated 13.09.2017	Small Indian civet and leopard cat will be shifted to other zoos within three months, with the approval of the CZA.
<b>4. Animal housing, display of animals and animal enclosures</b>				
5.	10(4.2)	The Tiger-Lion Safari Park failed to shift Leopards to other recognized Zoos having suitable housing and healthcare facilities with permission of the CZA, as the enclosure is unscientific, congested and un-aesthetic.	Violation observed during <b>16.08.2016</b> and also during present evaluation dated 13.09.2017	Permission is obtained from CZA for shifting 6 leopards to the Ahmedabad Zoo and the same is in progress.  5 leopards have been shifted to the Rescue Centre of the Mysuru Zoo.
6	10(4.3)	The Tiger-Lion Safari Park failed to provide footbath of adequate size at the main walkway to the enclosures.	Violation observed during <b>16.08.2016</b> and also during present evaluation dated 13.09.2017	Footbath will be provided within one month.
7	10(4.5)	The Tiger-Lion Safari Park failed to modify the existing enclosure for Jackal, ensuring their safety.	Violation observed during <b>16.08.2016</b> and also during present evaluation dated 13.09.2017	This is rectified and complied. Photograph will be submitted to the CZA within seven days by e-mail.
8	10(4.6)	The Tiger-Lion Safari Park failed to provide adequate	Violation observed	This is rectified and complied. Photograph will

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Sl.	Norm under RZR, 2009	Violations of Recognition of Zoo Rules, 2009	Compliance pending since	Submission by the Zoo Operator/Representative
		space, perches and other natural elements for the enclosure of Pheasants and other birds. The enclosure should be renovated to provide reasonable space and protection from sun and rain.	during <b>16.08.2016</b> and also during present evaluation dated 13.09.2017	be submitted to the CZA within seven days by e-mail.
9	10(4.7)	The Tiger – Lion Safari Park failed to provide the screening between the enclosures for Pheasants, Ostrich and Emus.	Violation observed during <b>16.08.2016</b> and also during present evaluation dated 13.09.2017	This work has been complied. Photograph will be submitted to the CZA within seven days by e-mail.
10	10(4.10)	The Tiger- Lion Safari Park failed to provide signage provide in the Zoo. The Signage board should be scientifically and attractively designed. The signage with the information about biology, behaviour and population status in the wild about the species pertaining to each and every species of animals displayed in the zoo should be installed with the primary objective of educating the zoo visitors about the conservation of wildlife and their habitat.	Violation observed during <b>16.08.2016</b> and also during present evaluation dated 13.09.2017	These works have been initiated and shall be completed within three months. Photographs shall be provided to the CZA after completion of works.
<b>6. Veterinary and infrastructure facilities</b>				
11	10(6.1)	The Tiger – Lion Safari Park failed to provide quarantine facilities at the Zoo. The hospital lack in important life-saving equipment to handle various species of the animals and birds.	Violation observed during <b>16.08.2016</b> and also during present evaluation dated 13.09.2017	Quarantine facilities have been made and hospital has been upgraded. List of equipment and photographs will be submitted to the CZA by e-mail within seven days.
12	10(6.3)	The Tiger – Lion Safari Park failed to appoint animal keepers who is well versed in handling the animals to enable him to take care of the animals more efficiently.	Violation observed during <b>16.08.2016</b> and also during present evaluation	There are 28 Animal Keepers at present. They shall be deputed in batches for training to the Mysuru Zoo which shall be completed within six months.

25/05/18

Sl.	Norm under RZR, 2009	Violations of Recognition of Zoo Rules, 2009	Compliance pending since	Submission by the Zoo Operator/Representative
			dated 13.09.2017	
<b>9.Acquisition and breeding of animals</b>				
13	10(9.9)	The Tiger – Lion Safari Park failed to adopt measures to control population of Leopards and Tigers. The number is increasing and going beyond the carrying capacity. The Zoo operator should consult with authorities of zoos at Mysuru and Bengaluru. Similarly the excess Spotted deer and Sambar be translocated to other zoos or be released into wild if found fit, duly following the guidelines of the Central Zoo Authority and International Union for Conservation of Nature and Natural Resources.	Violation observed during <b>16.08.2016</b> and also during present evaluation dated 13.09.2017	Out of 28 leopards, 6 leopards will be sent to Ahmedabad and 5 have been already shifted to Mysuru Zoo Rescue Centre. Remaining leopards have been grouped as only males, only females and sub adults. Further, sterilization program will be carried out.  Existing 4 tigers are senile and not fit for breeding. Other 3 tigers are approaching senility.  Excess Spotted deer and Sambar shall be released in the wild as per the norms, within three months.
<b>11. Education and outreach activities</b>				
14	10(11.1)	The Tiger – Lion Safari Park failed to display considering the spectrum of animal species in the zoo. The educating the public seems more relevant. This calls for an effective education program put in place for exposing the public to the importance of protection of forest and wildlife and keeping environmental health. Hence, a suitable nature and wildlife education module targeting different categories of zoo visitors should be prepared and launched. Signage system should be installed accordingly to complement the education module.	Violation observed during <b>16.08.2016</b> and also during present evaluation dated 13.09.2017	More number of animals been put for display. Wildlife education module introduction is in progress.  More signage boards are being put for display.
<b>Recommendation with regard to safaris for herbivores, tigers and lions:</b>				
15	10(1.2)	The Tiger – Lion Safari Park failed to control the <i>Parthenium</i> weed growing in a large portion of herbivores safari, which if not controlled	Violation observed during <b>16.08.2016</b> and also	Parthenium and unwanted weeds are removed in the Safari and accommodated for grass to come up as fodder for Herbivores.

25/05/17

Sl.	Norm under RZR, 2009	Violations of Recognition of Zoo Rules, 2009	Compliance pending since	Submission by the Zoo Operator/Representative
		may engulf the entire area leaving hardly any chance for the grass and fodder to come up. This may degrade the quality of habitat. Hence, immediate action be taken to eradicate the obnoxious weed.	during present evaluation dated 13.09.2017	

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 (S.J. CHANDRA SHEKAR)  
 Executive Director  
 Deputy Conservator of Forests  
 Wildlife Division  
 Shimoga

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

- a. Mammals:  
Bonnet macaque, Hanuman Langur, Spotted Deer, Sambar Deer.
- b. Birds:  
Grey hornbill, Common Crow, Black kite, Lapwing, Robin, Wagtail, Night heron and other common species of birds found in Western Ghats.
- c. Reptiles:  
Python, Monitor Lizard, Cobra, Vipers and species of reptiles found in Western Ghats, King Cobra.

