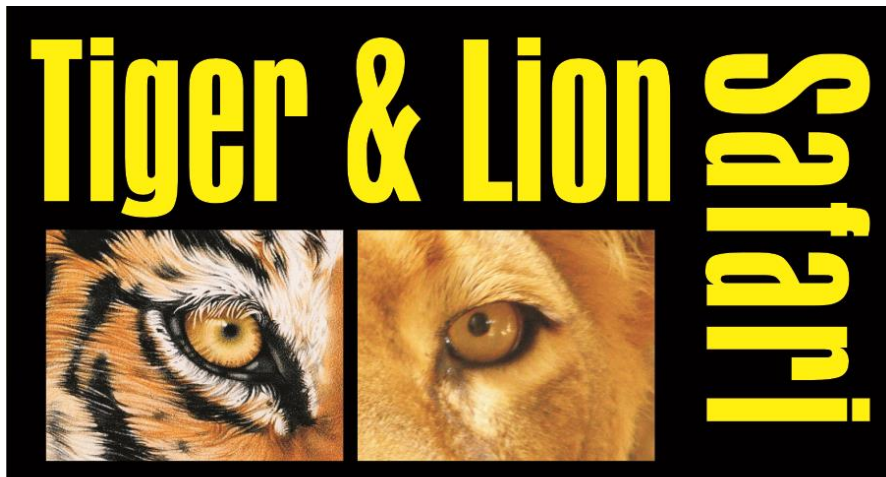


Tiger and Lion Safari, **Thyavarekoppa, Shimoga**

Annual Report for the year
2018-19



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

The Tiger and Lion Safari was established in the year 1988 at Thyavarekoppa near Shimoga. The 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. Initially the safari and zoo was developed with the financial assistance of Zilla Panchayath, Shimoga and supported by Malnad Area Development Board, M.P.M., Bhadravathi, other voluntary Organization and Karnataka Forest Development. Presently The Tiger & Lion Safari, Thyavarekoppa, Shimoga is under the jurisdiction of Zoo Authority of Karnataka, Mysore.

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

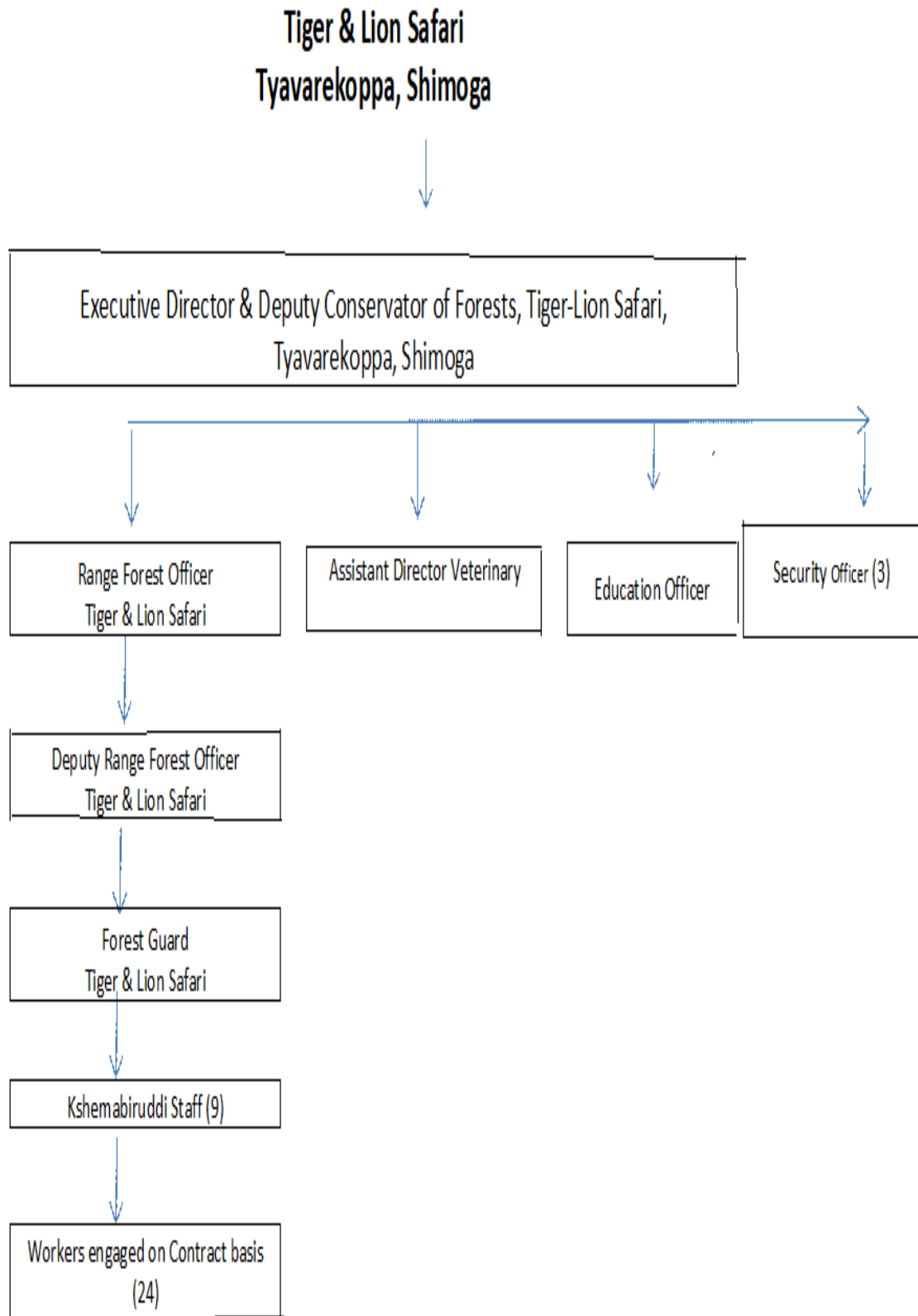
1. The main aim of the zoo is to house whole animals for conservation breeding & reintroduction into the wild.
2. Superior animal well being
3. To educate people & Create awareness among the people.

6. About us

S.No.	Particulars	Information
Basic Information about the Zoo		
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	9448125892
6	Fax Number	-
7	E-mail address	tigerlionsafari@gmail.com
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)	Sep-2019
11	Category of zoo	Small Zoo
12	Area (in Hectares)	195.00 Ha
13	Number of Visitors (Financial Year)	Adult : 216640
		Children : 44036
		Total Indian : 260676
		Total Foreigners : 1649
		Total Visitors: 262325

S.No.	Particulars	Information
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 facilities 7. Canteen 8. Rest rooms 9. Museum 10.Security 11.Interpretation centre
15	Weekly Closure Day of the Zoo	Tuesday
Management Personnel of the zoo		
16	Name with designation of the Officer in-charge	Sri. B.Mukunda Chandra Executive Director & Deputy Conservator of Forests, Tiger and Lion Safari, Thyavarekoppa, Shimoga.
	Name of the Veterinary Officer	Sri. Dr.Sujay C.S
	Name of the Curator	Sri. Gnanananda S.
	Name of the Biologist	Ms.Sameena Iza
	Name of the Education Officer	-do-
	Name of the Compounder/ Lab Assistant	-
Owner / Operator of the Zoo		
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	prsfec@gmail.com

7. Organizational Chart



8. Human Resources

Manpower of the Zoo*

Sl.No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1	Executive Director (Deputy Conservator of Forests)	1	Sri.B.Mukunda Chandra
2	Assistant Director	1	Dr.Sujay C.S
3	Range Forest Officer	1	Sri.Gnanananda
4	Deputy Range Forest Officer	3	Sri.Guru C. Sri.Yashodhar B.H
5	Forest Guard	1	Suresh V.K
6	Forest Watcher	3	Vacant
7	Driver	1	Vacant
8	Attender	1	Vacant
Total		12	

*Please give abovementioned information in respect of all zoo personnel, from the Officer in-charge upto 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	Dr.Sujay	Zoo veterinarian work shop	07.09.2018 to 08.09.2019	Zoo Authority of Karnataka, Mysore (Dist), Karnataka State

10. 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
Assistant Director(V.S), 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

11. 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 (V.S), TLS, Shimoga

Assistant Director (V.S), 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

12. Statement of income and expenditure of the Zoo

Sl. No.	Year	Revenue Collected (Rs.)	Expenditure (Rs.)
1	2016-17	17768875.00	24182637.00
2	2017-18	17596145.00	33317785.00
3	2018-19	21802750.00	51243119.00

13. 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 (Tuesday)
2	Leopard	Beef	3 kg	3 kg	1 day (Tuesday)
3	Other animals	Copy attached	Copy attached		nil
			(No significant seasonal variations noted)		

14. 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	

15. De-worming Schedule of animals

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

16. 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

17. 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		Oct-2018	No significant findings

18. Development and Maintenance works carried out in the zoo during the year



Artificial waterholes for herbivores at safari area



Lantana removal and eucalyptus thumps and copies in proposed zoo area



Feeding bed in herbivores safari



Construction of Permanent tree guards



Camouflage Painting of store houses at safari



Fencing



Development of asphalt road in safari area



Bicycle path



R.O plant



Construction of pergola at parking area



Parking area



Chain link mesh around the hospital and quarantine building

19. Zoo Hospital

The present zoo hospital was established in the year This facility was renovated and upgraded to a modern veterinary hospital in the year 2018-19.



The zoo hospital is staffed with a Assistant Director (VS) and a compounder.

The hospital has an equipped Operation Theater, basic hematology laboratory, store and a quarantine/ inpatient ward.



The following facilities are available in the zoo hospital TLST

- Operation theater : operation table, stretcher, crash cart and other emergency rescue equipments
- Tranquilizing gun and accessories
- Diagnostic laboratory
 - blood auto analyzer
 - serum semi auto analyzer
 - olympus compound light Microscope
 - kits and equipments for analysis

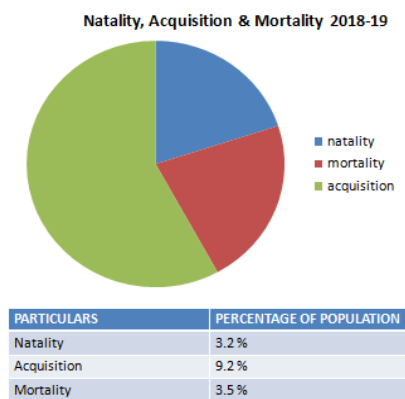
- Centrifuge
 - Autoclave
 - Water bath
 - Refrigerator
 - 1 ton Digital Weighting Scale
- (*more facilities are being included periodically)

Tranquilizing gun and equipments

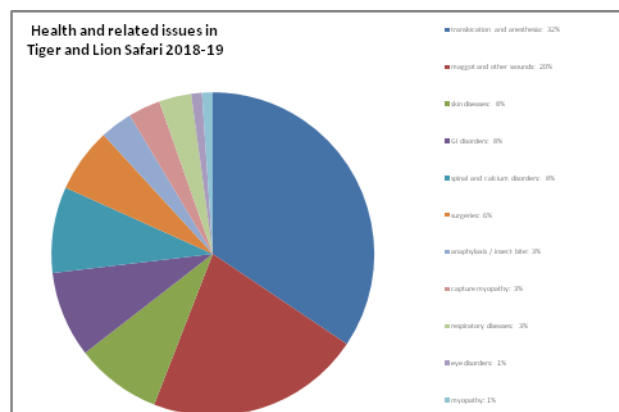


Blow pipe (2 no), charge operated and pneumatic projectors (2 no) with sufficient drugs.

Charts projecting



Natality, Mortality, Acquisition and Disease Diagnosis among zoo animals



Some landmark treatments, health management and veterinary care for the year 2018-19.



Allopesia seen in a black panther due to fungal infestation primarily due to prolonged dampness in the enclosure. The animal was treated and eventually recovered with following correction of the enclosure.

Wound management in a immune compromised and a diabetic rescued leopard. Multiple infected delayed healing wounds were treated by the team for almost a month to stabilize the wounds and recover the animal.



Tail amputation of a leopard. Infighting between two leopards lead to severe mutilation eventually had to surgically amputate the tail to prevent further necrosis.



Fracture of a right metacarpal of a sambar deer and being immobilized with fibre cast by team from shimoga zoo, veterinary college shimoga and interns.

20. Education Awareness programs



Awareness program for visitors



Conservation speak on wildlife conservation





Class for veterinary students



Snake bite Awareness day for visitors

World elephant day

On this occasion tiger and lion safari took initiative to create awareness about elephant by celebrating world elephant day ,in this event dung is displayed to public and students and explained dung facts and conservation aspects about majestic elephants to create awareness among the people.



International lion day

As a part of this contribution towards lion conservation ,tiger and lion safari celebrated lion day , on august 10,as a rich towards awareness ,tiger and lion safari conducted drawing competition and a essay competition for the government school students to motivate them towards conservation and to young minds to connect to the nature.



21. Important Events and happenings in the zoo

Wildlife week celebration October 2- 8oct 2018

Wildlife week celebration, theme “big cats predators under threat, To make the wildlife saving plans successful, varieties of sanctuaries and national parks have been already launched in the appropriate localities all across the country.

In this regard ,tiger and lion safari took initiative wildlife week to create awareness , on first day of wildlife week students from Podar international school were gathered in the zoo premises and took a step on to wildlife rally in the zoo premises and a interactive session with the students about wildlife conservation ,.

Third day of wildlife week, shivamogga zoo conducted a drawing competition theme focused on big cats predators under threat for the different school students , as a part of wildlife week .fourth day followed by Rangoli, competition ,followed by quiz and so on and a competitors are hand over certificate, prizes and back with conservation gift .



Zoo in reach program



Learn at the zoo ,Shivamogga Zoo has offered engaging programs, exhibits and materials that educate our community about wildlife, help visitors feel more connected to animals, and motivate them to take action to preserve the natural world.

Zoo outreach programs

outreach is exploring something in wide ..we like to educate people about liberty of nature ,who were in a inaccessible isolated area, most of the government schools ,village people



Awareness programs

awareness is a free interactive session, among the goals of wildlife conservation are to ensure that nature will be around for further generation to enjoy and recognize the importance of wildlife.



Summer zoo camp

Tiger and lion safari organized summer zoo camp for the first time it is a unique education programs for enthusiastic young minds ,have been organized for the children's of age group 12 to 16 years from 3rd to 5th may , first day of the program was inaugurated by ED,RFO ,Dr, DRFO ,and our enormous supporting staff by watering the plants with join on hands with campers .it is blend of current position of wildlife ,environment issues , competitions interesting fascinating activity related to conservation ,animal welfare ,husbandry ,bird watching ,field walk and so on it has been used as policy to educate young minds to build a conservation effort and to maintain healthy nature .at the end of the camp valedictory program was arranged prizes, certificates were issued and bamboo nest were provided to all campers as a part of bird conservation activity.



Winter zoo camp

Camps are amazing outdoor experience, tiger and lion safari organized winter zoo camp for the first time , four Sundays of December (2018) ,students of different school participated in the camp ,of age group 12 to 18 years ,this camp explored lots about animal behavior ,adaptation , enrichment ,some pro active competitions, bird watching ,field walks..etc the camp ended with

valedictory programs all the officers and our enormous supporting staff gathered to make a camp a great success ,certificates and prizes were issued to the campers and took a feedback to make a winter camp more perfect .



Enrichment for birds



Summer enrichment for the animals of zoo



Introduction of hyena male with female



Introduction of new pairs of lions and tigers at Safari



Enrichment in peafowl enclosure



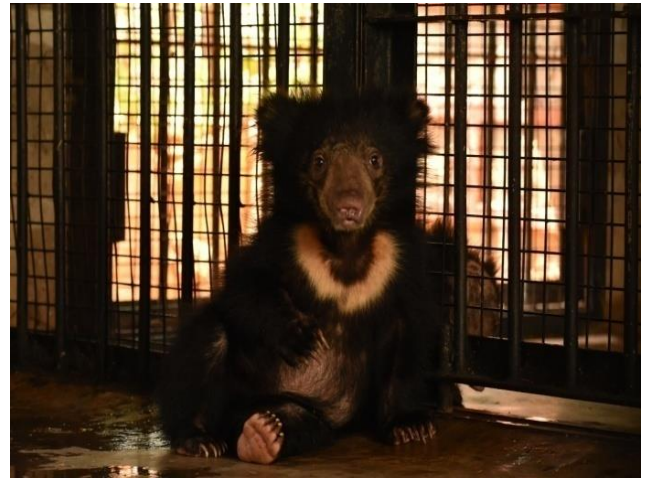
Enrichments carried out in python and sloth bear enclosure

22.

Animal collections



Sub adult rescued from chitradurga



sloth bear cubs



Nilgai from Mysore zoo



toddy cat rescued from bhadra



Spotted deer swan birth at zoo

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

24. Research Work carried out and publications :

- Study on ectoparasites in captive leopards
- Diversity and Distribution of Avifauna in Tiger and Lion Safari
- Tourist impact on Monkeys in Tiger and Lion Safari

25. Conservation Breeding Programme of the Zoo : Nil

26. Animal acquisition / transfer / exchange during the year

A. Animal arriving in the zoo

Sl. No.	Date	Species	Sex (M:F)	Age	No.	Remarks
1	30.5.18	Black swan	O1: O1	Adult	2	Received from mysore zoo
2	30.5.18	lady amherest pheasant	O1:O2	Adult	3	Received from mysore zoo
3	30.5.18	golden pheasant	O1:O1	Adult	2	Received from mysore zoo
4	30.5.18	green pheasant	O1:O2	Adult	3	Received from mysore zoo
5	30.5.18	javan sparrow	O3:O3	Adult	6	Received from mysore zoo
6	02.6.18	leopard	OO:O2	cubs	2	rescued from U.K dikvision
7	11.8.18	spotted deer	OO:O1	Adult	1	sagar range
8	06.12.18	spotted deer	OO:O1	Adult	1	muddina koppa village shimoga
9	23.01.19	nilgai	OO:O5	Adult	6	rescued from mysore zoo
10	02.02.19	toddy cat	OO:O2	kittens	2	rescued from bhadra WL
11	23.03.19	sloth bear	O1:OO	sub adult	1	rescued from chitradurga division

B. Animals going from the zoo

Sl. No.	Date	Species	Sex	Age	No.	Remarks
1	7.7.18	leopard	O3:O3	Adult	6	kamla nehru zoological park ahmadabad
2	14.12.18	sambar deer	OO:O2	Adult	2	gandekote mini zoo, hasan

27. 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						

28. Annual Inventory of animals

Form – II

[See Rule 11(1)]

Part – A

Inventory Report for the Year :

Endangered Species*

Sl. No.	Species	Stock at the closing of the previous month			During the month - April 2018 -March 2019												Stock at the closing of the present month											
					Births			Acquisition			Disposal			Deaths														
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T									
I	Mammals																											
1	Tigers - Panthera tigris	5	2	0	7																5	2	0	7				
2	Lion - Panthera leopercica (hybrid)	2	2	0	4																2	2	0	4				
3	Panther - Panthera pardus	13	9	0	22	0	0	0	0	2	0	2	3	3	0	6	0	0	0	10	8	0	18					
4	Sloth bear - Melurus ursinus	1	1	0	2	0	0	0	0	1	0	0	1	0	0	0	1	0	0	1	1	0	2					
5	Black buck - Antilope cervicapra	1	0	0	1																1	0	0	1				
6	indian Palm civet - paradoxurus hermaphroditus	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	2	2					
7	Jackal - Canis aureus.	2	2	0	4																2	2	0	4				
	Total:-	24	16	0	40	0	0	0	0	1	4	0	5	3	3	0	6	1	0	0	1	21	17	0	38			
II	Birds																											
1	Peafowl - Pavo cristatus.	3	1	0	4	0	2	0	2	0	0	0	0	0	0	0	1	0	0	1	0	1	2	3	0	5		
	Total:-	3	1	0	4	0	2	0	2	0	0	0	0	0	0	0	1	0	0	1	0	1	2	3	0	5		
III	Reptiles																											
1	Crocodile marsh - Crocodylus palustris	0	0	2	2																0	2	0	2				
2	Python - Rock python molurus	2	0	0	2																0	2	0	2				
	Total:-	2	0	2	4	0	2	0	2	1	0	0	1	0	0	0	1	0	0	1	0	1	0	4	0	4		
	Grand Total:-	29	17	2	48	0	4	0	4	2	4	0	6	3	3	0	6	3	0	0	3	23	24	0	47			

Part – B

Other than Endangered Species

Sl. No.	Species	Stock at the opening of the present month						Births						Acquisition						Disposal						Deaths						Stock at the closing of the present month						
		M		F		U		M		F		U		M		F		U		M		F		U		M		F		U		M		F		U		
I	Mammals																																					
1	Hyena - Hyena hyena	1	1	0	0	2																				1	1	0	0	2								
2	Deer Sambar - Cervousunicolour	16	35	0	51	2	1	0	3	0	0	0	0	2	0	2	0	2	1	2	0	3	0	0	0	1	2	0	3	17	32	0	49					
3	Deer Spotted - Axis axis	47	72	0	119	2	1	0	3	0	2	0	2	0	0	0	0	0	0	0	1	0	1	0	1	49	74	0	123									
4	Porcupine - Hystrix indica.	0	0	0	1	1																				0	0	0	1	1								
5	Nilgai -Boselaphus tragocamelus	0	0	0	0	0	0	0	0	0	1	5	0	6	0	0	0	0	0	0	0	0	0	0	0	1	5	0	6									
6	Malabar Giant Squirrel - Ratufa indica	0	2	0	2																					0	2	0	2									
	Total:-	64	110	1	175	4	2	0	6	1	7	0	8	2	0	2	1	3	0	4	183			68	114	1	183											
II	Birds																																					
1	white goose - Anser anser.	0	0	0	1	1																				0	0	0	1	1								
2	Muscoxy Ducks - Cairina Moschota	2	2	0	4																					2	2	0	4									
3	Silver pheasant - Lophura nychthemera	1	1	0	2	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	0	2	3									
4	Emu - Dromaius novaehollandiae	2	1	0	3																					2	1	0	3									
5	Lady Amherst pheasant - Chrysolophus amherstiae	1	0	0	1	0	0	0	0	1	2	0	3	0	0	0	0	0	0	0	1	0	1	0	1	2	1	0	3									
6	Budgerigar - Melopsittacus undulatus	13	13	0	26																					13	13	0	26									
7	Peach faced love birds - Agapornis roseicollis	9	9	0	18																					9	9	0	18									
8	Cockatiel - Nymphicus hollandicus	5	5	0	10																					5	5	0	10									
9	Ostrich - Struthio camelus	2	1	0	3																					2	1	0	3									
10	Black Swan - Cygnus atratus	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2									
11	Yellow Golden Pheasant - Chrysolophus pictus	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2									
12	Green Pheasant - Phasianus versicolor	0	0	0	0	0	0	0	0	1	2	0	3	0	0	0	0	1	1	0	2	0	1	0	2	0	1	0										
13	Javan Sparrow - Lonchura oryzivora	0	0	0	0	0	0	0	0	3	3	0	6	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	6									
	Total:-	35	32	1	68	0	2	2	7	9	0	16	0	24	0	2	1	3	0	4	82			41	38	3	82											
III	Reptiles																																					
	nil	0	0	0	0																					0	0	0	0									
	Grand Total:-	99	142	2	243	4	2	2	8	8	16	0	24	0	2	0	2	6	0	8	109	152	4	265														

29. Mortality of animals

Sl. No.	Date	Species	Sex	Age	Remarks
1	15.4.18	sloth bear	male	Adult	snake bite/ septicemia/ toxaemia
2	1.6.18	green pheasant	female	Adult	capture myopathy
3	5.6.18	green pheasant	male	Adult	capture myopathy
4	16.8.18	silver pheasant	female	Adult	enteritis and cold shock due to rains
5	23.8.18	peafowl chick	male	chick	pneumonia - rains
6	29.10.18	spotted deer	female	Adult	haemorrhagic septicemia
7	14.11.18	sambar deer	female	Fawn	carcass putrified and PM could not be conducted
8	24.12.18	sambar deer	female	Adult	infighting injury/ trauma, rupture of rumen, septicemia
9	9.3.19	sambar deer	male	fawn	heat stroke and haemorrhagic septicemia
10	30.3.19	lady amherest pheasant	female	Adult	aspiratory pneumonia

30. Compliance with conditions stipulated by the Central Zoo Authority

The compliance report with reference to renewal and recognition to the Tiger & Lion Safari, Tyavarekoppa, Shimoga.

Letter No.F.No.19-221/93-CZA(127)(Vol.V) DKR 005/2013 Dated: 31.12.2018 is attached.

Proceedings Of The Hearing Representative of the Tiger and Lion Safari ,Thyavarekoppa, Shimoga, Karnataka 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
1. General requirements				
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 16.08.2016 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.
2.Administrative and staffing pattern				
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 16.08.2016 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.
3.Development and Planning				

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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 16.08.2016 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 16.08.2016 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.
4. Animal housing, display of animals and animal enclosures				
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 16.08.2016 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 16.08.2016 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 16.08.2016 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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		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 16.08.2016 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 16.08.2016 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 16.08.2016 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.
6. Veterinary and infrastructure facilities				
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 16.08.2016 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 16.08.2016 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.

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			dated 13.09.2017	
9.Acquisition and breeding of animals				
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 16.08.2016 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.
11. Education and outreach activities				
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 16.08.2016 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.
Recommendation with regard to safaris for herbivores, tigers and lions:				
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 16.08.2016 and also	Parthenium and unwanted weeds are removed in the Safari and accommodated for grass to come up as fodder for Herbivores.

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		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

31. 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.

