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1. Report of officer in charge

The Tiger and Lion safari, Thyavarekoppa, Shimoga initially it was 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 developmental works to create good infrastructure. This zoo has all the potential to become one of the finest zoos in the country in future days.

2. About shivamogga

Shimoga is a large city which is located in the central part of the state of Karnataka, India. The city lies on either side of the banks of the Tunga River. Being the gateway for the hilly region of the Western Ghats, the city is popularly nicknamed as "Gateway of Malnad".

3. History of the zoo

The foundation stone for Tiger and lion safari was laid on 1984 and was established in the year 1988, at Thyavarekoppa village situated 10 Kms away from Shimoga city in the Shimoga District of Karnataka State. The total extent of the TLST is 195.00 hectares. It was developed with the financial assistance mainly from Zilla Panchayat, Shimoga and supported by Malnad Area Development Board (MADB), Mysore Paper Mill (MPM) Ltd. Bhadravathi, few voluntary organisations and Karnataka Forest Department (KFD), ZAK and CZA.

Zoo

The animals housed in the mini zoo located at Municipal Park of Shimoga city were shifted to TLST, Shimoga on December 1992 as per the government of India notification dated 04th August 1992 which derecognized the Municipal Zoo at Shimoga city.

Separate enclosures were constructed for Leopards, striped Hyenas, Sloth Bears, Jackals, Crocodiles and porcupine during 1996-97. Different varieties of birds and few other small Mammals were also housed in the Zoo.

Zoo displays native and exotic animal species in its natural habitat providing conservation education and experience based tourism activities. At present there are 295 animals of 32 species. Some of the exotic animals are displayed such as ostrich, emu and some pheasants of the world. Even among the native fauna there is a great diversity comprising of felids, canids, deer (cervids), reptiles, birds and other beautiful and majestic animals that can be seen in open natural enclosure. Hence, a visit to the Shivamogga zoo is quite rejuvenating and rewarding.

Safari

The Tiger and Lion Safari, Tyavarekoppa (TLST) is the second safari established in Karnataka after Bannerghatta Biological Park. It was started with three safari enclosures viz. Lion of 21 ha, Tiger of 20 ha and Herbivore safaris covering an extent of 30 ha.

Shivamogga zoo has 7 tigers with male female ratio of (5:2) 4 lions with (2:2) ratio and herbivores of about 145 numbers.

Tigers and lions were introduced to the safari from various zoos on their respective safari enclosures.

A diversity of herbivore species like spotted deer, sambar deer, blackbucks, hog deer and Nilgai were introduced to the herbivore safari over the period of time.

Safari vehicle:

Shivamogga zoo has 5 (five) buses of 20 (twenty) seats to take the visitors around the safari , safari experiences a large group of people and to allow uninterrupted service, there are 7 temporary drivers for the safari buses. Two safari jeeps Mahindra Bolero was also introduced to safari during 2018, for the closest view of the animals and presumes privacy for the visitors.

It has also been proposed to change the name of tiger lion safari to Shimoga zoo and safari.

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

5. Mission: shivamogga zoo will be a dynamic center for animal breeding and exhibit which would inspire people to love care and protect wild habitat.

6. Objectives

- Provides the best possible care for our animals
- Display of wild animals in natural habitat area and enclosure to connect with the nature
- Animal welfare
- Participating in Conservation breeding programs
- Deliver best wildlife education training and research
- Rescue and rehabilitation of wild animals and birds
- Education and recreation for general visitors and tourist

7. about us:

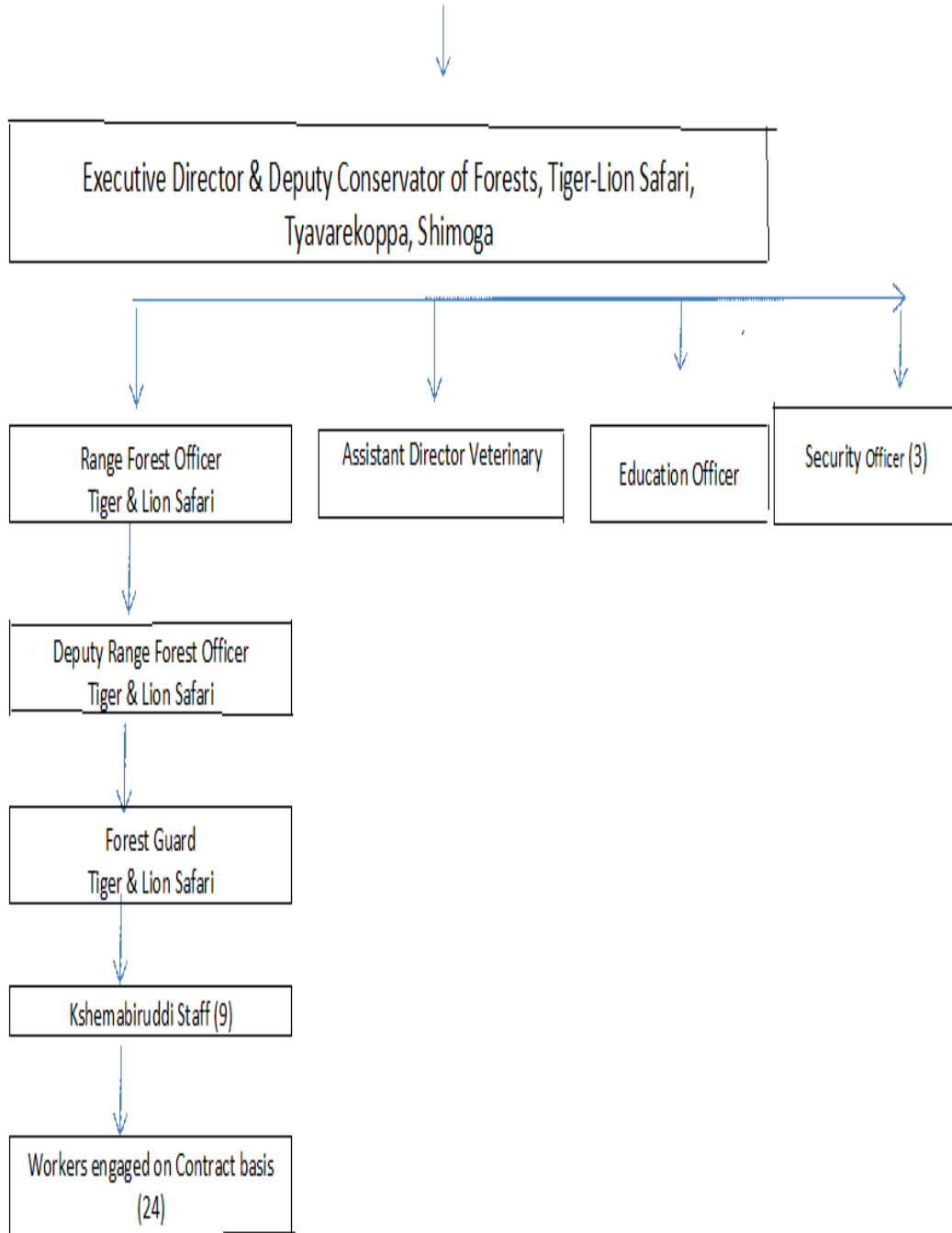
Sl.No.	Particulars	Information
Basic Information about the Zoo		
1	Name of the Zoo	Tiger & Lion Safari, Tyavarekoppa
2	Year of Establishment	1988
3	Address of the Zoo	Thyavarekoppa, Shimoga
4	State	Karnataka
5	Telephone Number	9448125892
6	Fax Number	-
7	E-mail address	tigerlionsafari@gmail.com

Sl.No.	Particulars	Information
8	Website	shimogazooandsafari.com
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 : 228856
		Children : 46180
		Total Indian : 275036
		Total Foreigners : 1282
		Total Visitors: 276318
14	Visitors' Facilities Available in Zoo	<ol style="list-style-type: none"> 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		

Sl.No.	Particulars	Information
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	Guru. C.gowda
	Name of the Biologist	Ms.Sameena Iza
	Name of the Education Officer	-do-
	Name of the Compounder/ Lab Assistant	-Ranganatha. B
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	prsfee@gmail.com

8. Organizational Chart

Tiger & Lion Safari Tyavarekoppa, Shimoga



9. 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.Guru C Gowda
4	Deputy Range Forest Officer	3	Sri.Guru C. Sri.Yashodhar B.H
5	Forest Guard	1	Vacant
6	Forest Watcher	3	Vacant
7	Driver	1	Vacant
8	Attender	1	Vacant
Total		12	-

10. 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	Hands on training on ultrasonography in veterinary practice	10 th January 2020	Shimoga veterinary college ,KVAFSU Bidar
2	Animal keepers	Keepers training program	Febrauary -24 & 27, 2020	Sri chamarajendra zoological garden

11. Zoo Advisory Committee

a. Date of constitution- Nil

b. Members proposed:

The Addl. Principal Chief Conservator of 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

Executive Engineer, Banneghatta Biological Park, Bangalore

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

12. Health Advisory Committee–

d. Date of constitution : Nil

e. Members proposed:

The Addl. Principal Chief Conservator of Forest 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 department

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

f. Dates on which Meetings held during the year: - 23.12.19

13. 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
4	2019-20	26605615.00	76906800.00

14. Daily feed Schedule of animals

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

15. 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	

16. De-worming Schedule of animals

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

17. Disinfection Schedule

Sl no	Animal	Daily	Weekly	Monthly	Quarterly	Annually
		Holding house and periphery	water tank/trough/ pond cleaning	Anit viral spray	Gas burning	Pesticide sprays
1	Lion	Daily	I week	II week	Jan / May/ Sep	Mar
2	Tiger	Daily	II week	I week	Feb/ June/ Oct	Apr
3	Zoo				Mar/ July/ Nov	May
	Leopards	Daily	III week , Mon	IV week, Mon		
	Bear	Daily	III week, Wed	IV week, wed		
	Hyena/ jackel	Daily	III week, Thu	IV week, Thu		
	Crocodile	Daily		IV week, Fri Pond cleaning and spray		
	Python	Daily	III week, Wed	IV week, Wed		
	Ostrich, emu	Daily	III week, Fri	IV week, Fri		
	Other mammals and birds	Daily	III week, Sat and Sun	IV week, sat and Sun		
	Duck pond area				Mar / July/ Nov Pond cleaning, anti viral spray and gas burning	
4	Herbivore safari	Daily	IV week	III week	Apr/ Aug/ Dec	

18. Health Check-up of employees



Dental checkup for zoo employees



KFD vaccines for zoo employees

19. Population management of captive spotted deer and Sambar deer

A translocation of spotted deer and sambar deer to shetihalli wildlife sanctuary





20. Developmental and Maintenance work for the year 2019-20



Providing chainlink mesh along the outer boundary of Tiger & Lion Safari, Tyavarekoppa during 2019-20



Construction of 2.50 Lakh Litres capacity RCC Intz type Over Head Tank on 15.00mtr staging at Huli Simha Dhama, Tyavarekoppa



Construction of size stone masonry wall around safari enclosure adjoin to cultivated lands at private .Tiger and Lion Safari, Tyavarekoppa, Shimoga During 2019-20



Construction of Toilet Block at Tiger and Lion Safari, Tyavarekoppa during 2019-2020



Construction of RHEA Enclosure and holding room, day kraal, moat wall, fencing, water supply work in Tiger & Lion Safari, during 2019-2020



Construction of Emu enclosure and holding room, day kraal, moat wall, fencing, water supply work in Tiger & Lion Safari, during 2019-2020



Construction of Ostrich enclosure and holding room, day kraal, moat wall, fencing, water supply work in Tiger & Lion Safari, during 2019-2020



Construction of SPOTTED DEER enclosure and holding room in
Tiger & Lion Safari at Tyavarekoppa, Shivamogga, during 2019-
2020



Construction of SAMBAR DEER Enclosure and Holding Room in Tiger & Lion Safari at Tyavarekoppa, Shivamogga, during 2019-2020



Construction of HOG DEER Enclosure and Holding Room in Tiger & Lion Safari at Tyavarekoppa, Shivamogga, during 2019-2020



Construction of BARKING DEER Enclosure and Holding Room in
Tiger & Lion Safari at Tyavarekoppa, Shivamogga, during 2019-
2020



Construction of NILGAI Enclosure and Holding Room in Tiger & Lion Safari at Tyavarekoppa, Shivamogga, during 2019-2020



Construction of Baboon Enclosure and Holding Room in Tiger & Lion Safari at Tyavarekoppa, Shivamogga, during 2019-2020



Construction of Hippopotamus Enclosure and Holding Room, Moat & Middle wall, Fencing, Mud bath & water body pond, water supply work, during 2019-2020



Construction of LADY AMHERST'S PHEASANT, CHINESE RING NECKED PHEASANT and AMAZON GREY PARROT Enclosure Building & water supply work in Tiger & Lion Safari, during 2019-2020



Construction of SILVER PHEASANT, GOLDEN PHEASANT and GREEN PHEASANT Enclosure Building & water supply work in Tiger & Lion Safari, during 2019-2020



Construction of YELLOW GOLDEN MACAW, BLUE WINGED MACAW and SULFUR CRESTED COCKATOO Enclosure Building & water supply work in Tiger & Lion Safari, during 2019-2020



Construction of Hyena enclosure building & water supply work in Tiger & Loin Safari at Tyavarekoppa, Shivamogga, during 2019-2020



Construction of retaining wall near outer boundary at a chainage 2185.15 to 2242.20 in at Tiger & Loin safari, during 2019-2020



Construction of Gate Keeper Room inside the Double gate at the Entrance of Herbivore safari at Tiger and Lion safari Tyavarekoppa, Shivamogga



Construction of Gate Keeper Room inside the Double gate at the Exit of the Herbivore safari at Tiger and Lion safari Tyavarekoppa, Shimoga



Construction of culvert in near main entrance gate at Tiger and Lion safari Tyavarekoppa, Shivamogga



Construction of Toilet room in Main entrance gate at Tiger and Lion safari Tyavarekoppa, Shimoga



Construction of culvert between Herbivores safari SSM wall & Safari Service road at Tiger and Lion safari Tyavarekoppa, Shivamogga





Providing Ticket counter at Tiger & Lion Safari at Tyavarekoppa, Shivamogga, during 2019-2020



Construction of culvert at Tiger safari premises at Tiger and Lion safari Tyavarekoppa, Shimoga, during 2019-2020

Providing Deer Transportation cage at Tiger & Loin Safari at Tyavarekoppa, Shivamogga, during 2019-2020



Construction of Tiger Day kraal (Block 2) in Tiger safari at Tiger and Lion Safari, Tyavarekoppa, Shivamogga, during 2019-2020



Providing Double mesh for Tiger Day Kraal (Block-1 & 2) in Tiger safari at the Tiger and Lion Safari, Tyavarekoppa, Shivamogga, during 2019-2020



Providing Crocodile Transportation cage at Tiger & Loin Safari at Tyavarekoppa, Shivamogga, during 2019-2020



Fodder plot for herbivores



Asphalt road



Painting works of Tiger and lion day kraal



Pergola painting



Children's park painting



zoo entrance painting



Zoo entrance painting



new ticket counter

21. Education and awareness programs

In Reach programs: We create a nature class room inside the zoo where we motivate people towards conservation efforts and to connect with wildlife



Zoo outreach programs: we touch the people who are in inaccessible isolated area. most of the government school children ,villagers are educated through outreach program .



Awareness programs for visitors

Awareness programs are conducted for visitors as a part of their zoo visit. They are exposed to interactive sessions.



Wildlife week celebration October 2- 8 Oct 2019

Wildlife week celebration. Theme: Life below water for people and planet

Wildlife week is celebrated all over the country every year from 2nd oct to 8th oct, The aim of this program is to save wildlife and to preserve their habitat. Numerous events and campaigns are organized throughout this week .participants are educated about the wildlife conservation at our zoo .

The programs Such as cleanliness drive, spot drawing competition, bird watching, conservation talk , documentaries ,quiz, exhibiting the photographs etc are conducted throughout the week.







Important wildlife days and zoo happenings

International tiger day is celebrated on July 29th every year .The prime aim of the tiger day is to promote global awareness regarding protection of natural habitat of tigers and to conserve them.

As a part of tiger day, Shimoga zoo organized an awareness program .Mr. Vinayaka Honorary wildlife warden addressed the gathering regarding issues concerning tiger conservation.



World lion day:

On August 10th every year world lion day is celebrated to create awareness about the importance of king of jungle, Wild lions are at the of verge of extinction and are currently available in Sahara and India.

An initiative has taken in this regard by Shimoga zoo and safari .Importance of conservation of lion was promoted by organizing a talk by resource persons .



World environmental day:

World environment day is celebrated on 5th June every year, Encouraging people to protect our environment is the principle aim of this day .

On this occasion outreach program organized by shivamogga zoo and safari for the government school students to educate them.



World snake day:

On July 16th every year, world snake day is celebrated for the better understanding of our friendly guest, snake.As part of world snake day, Shimoga zoo invited Herpetologist on 16th July to deliver a lecture on snake and their importance



Wildlife day:

On 3rd March World wildlife day is celebrated every year, The prime aim of the day is to create awareness about the importance of biodiversity .

On 3rd march shivamogga zoo and safari organized stone painting competition for students of different age group.



Summer zoo camp

Shivamogga zoo and safari organized summer zoo camp, a unique education programs for enthusiastic young minds ,It has been organized for the children's of age group 12 to 16 years for three days .Importance of wildlife conservation ,bird watching ,dos and don'ts at zoo etc are discussed in the camp.



Winter zoo camp`

Camps are amazing outdoor experience, Shimoga zoo and safari organized winter zoo camp for four Sundays of December (2019), Students of different school participated in the camp. This camp explored lots about animal behavior ,adaptation , enrichment of enclosures ,some pro active competitions, bird watching ,field walks etc are organized.



22. Enrichment work

Enrichment for sloth bears

In order to stimulate a wide range of species specific behavior ,enrichment activities are done inside the enclosure .Environment inside the enclosure should be appreciated for the well being of the animals and avoid abnormal behavior ,Regular exercise is required for a healthy and active sloth bear. Hence, the enclosure is provided with logs, ramps, and swings to engage them both physically and mentally.



Enrichment for pheasants

Most of the pheasant are partially or sometimes completely sedentary beings ,They use the same habitat for different activities such as nesting and feeding .In order to keep pheasant active ,various enrichment are provided inside the enclosures .Scattered litter, rotten logs are placed inside the enclosure which gives pheasants a natural food such as white ants ,insects etc Perches, plat form for roosting and scatter feed are provided to ensure a healthy and active life for pheasants.



Enrichment for leopards

Preserving natural behavior is the aim of this enrichment stimulating better mental and physical health of the leopard in zoo is at most important. Platforms, perches, logs are provided for the leopards within the enclosure that gives an area to sleep /rest/bask on and stimulate climbing behaviour .



Enrichment for tiger and lion

Physical enrichment such as ramps, platforms are built inside the enclosure to ensure the physical fitness and health of the big cats. During the summer ponds and shelters are provided .similarly various sensory enrichment are given for these animals.



Summer management:

Usually the temperature at zoo is quite high during summer. Hence the thatched shelters, small water ponds, mud bath facilities are provided for pheasants, ostrich, and emu and mammals.



Winter management

During winter season some of the zoo animals need to be kept warmer in a cooler climate. All the necessary precautions are taken before the onset of winter to ensure that animals are warm and safe. We adopt some of the strategies to beat the cooler climate at zoo. We provide hot air blowers to sensitive animals, sand and dry grass for pheasants and other birds, provide gunny bags for animals which are needy at colder climate.

23. Animal health care

The present zoo hospital was established in the year 2005 .It 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

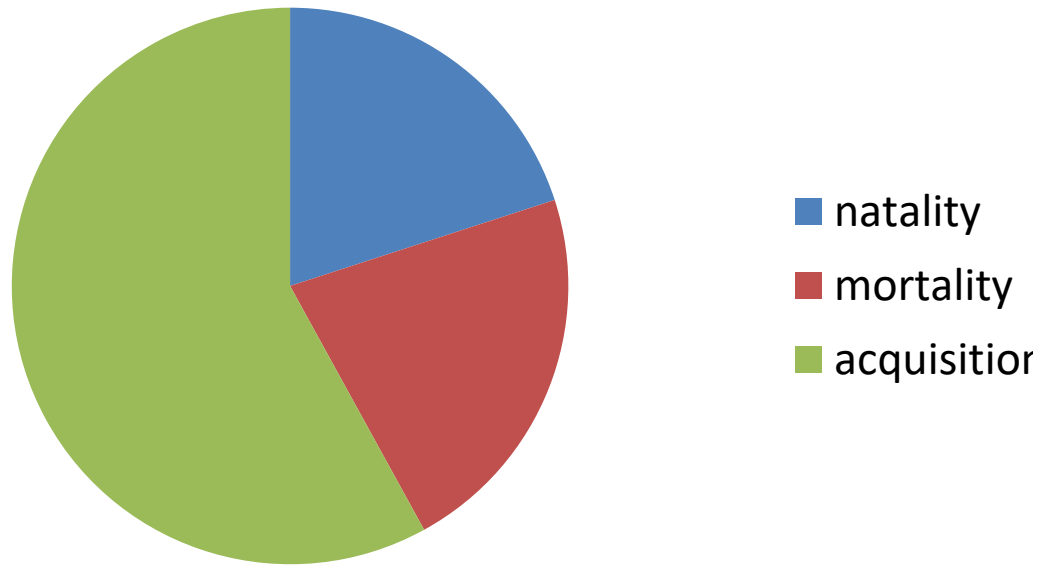
(*more facilities are being included periodically)

Tranquilizing gun and equipments

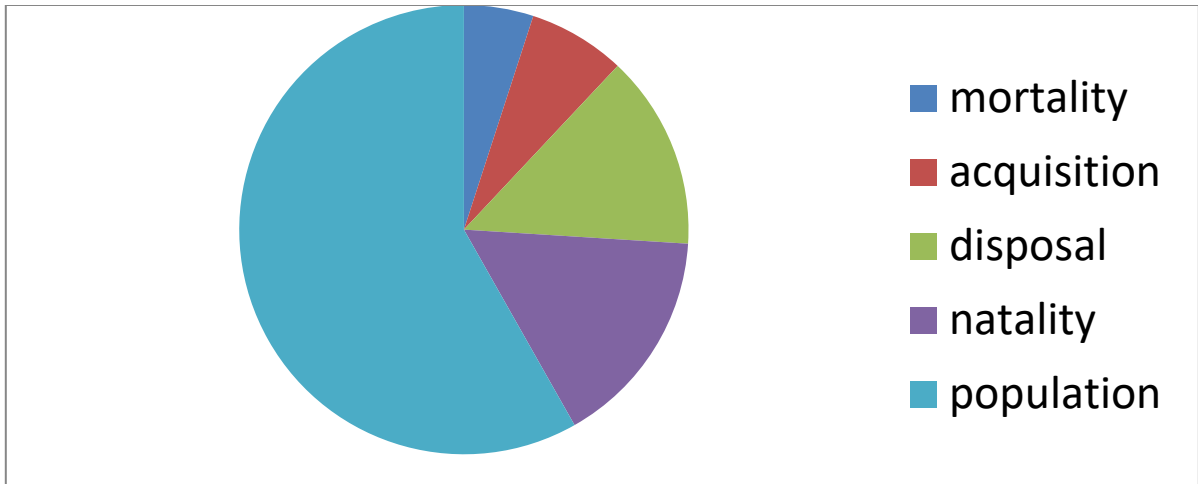


Blow pipe (2 no), charge operated and pneumatic projectors (2 no) with sufficient drugs.

Natality, Acquisition & Mortality 2018-19

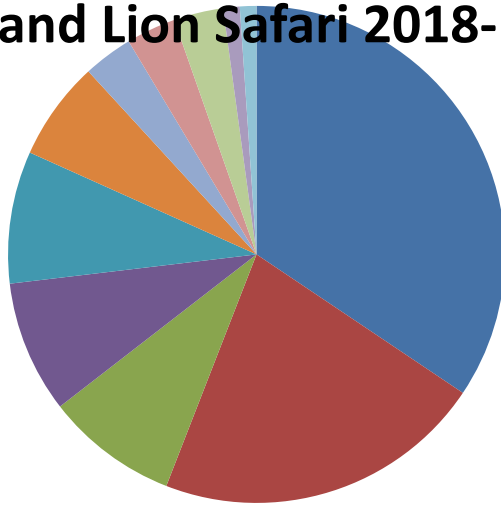


PARTICULARS	PERCENTAGE OF POPULATION
Natality	3.2 %
Acquisition	9.2 %
Mortality	3.5 %



Particulars	Percentage if animals
Natality	5%
Mortality	7%
Acquisition	14%
Disposal	15.8%
Particulars	Percentage if animals
Natality	5%
Mortality	7%
Acquisition	14%
Disposal	15.8%

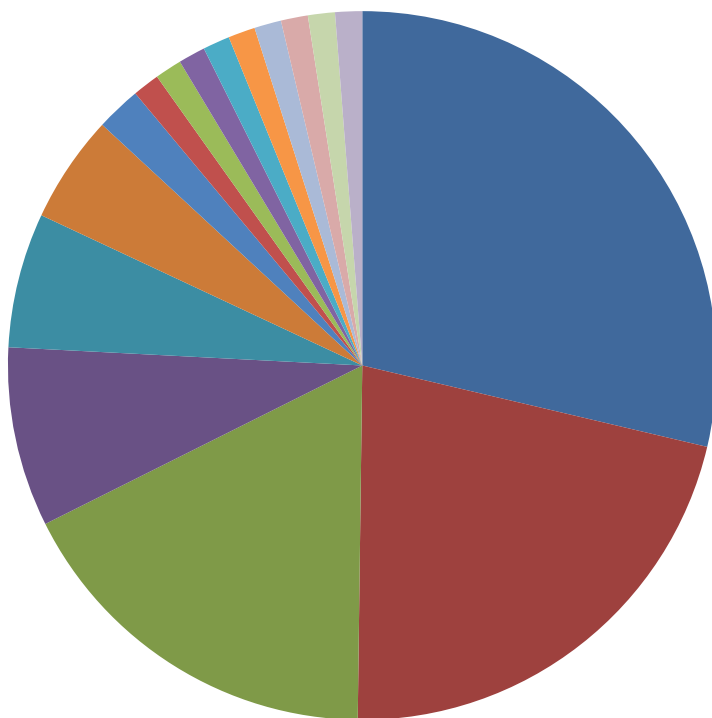
Health and related issues in Tiger and Lion Safari 2018-19



- translocation and anesthesia: 32%
- maggot and other wounds: 20%
- skin diseases: 8%
- GI disorders: 8%
- spinal and calcium disorders: 8%
- surgeries: 6%

Health and related issues at TLST 2019-

20



- Trauma/ Maggot wound/ infighting/ wound management - 28%
- anesthesia and translocation - 21%
- major and minor surgeries - 17%
- GI disturbances - 8%
- dermatitis (fungal/ mites) - 6%
- arthritis/ Spondylosis/ Spondylitis - 4.8%
- general bacterial infection - 2%
- calcium deficiency - 1.2%
- compound fracture - 1.2%

Animal treatment

Treatment and health care management undertaken in the zoo



Fractured left metatarsal

Wound management in Nilgai post sedation and release back to the enclosure





Wound management



Tail amputation in a leopard



Post amputation wound management

Neonatal care



Treating Nilgai for hind quarter paraplegia due to capture myopathy



Treatment of Tiger Wali for Pneumonia



General weakness, difficulty in breathing and dehydration



Use of nebulization for treatment

Translocation of antelopes from Mysore zoo to Shimoga zoo



Evacuation of anal sac in a male Hyena



Tail amputation of a leopard as a result of infighting





Emergency Tail wound surgery taken up at Zoo hospital in a jackal as a result of infighting



Deer driving to wild life sanctuary



Beef checking and weighing



Meat inspection room fitted with weighting scale, UV lamp and hot water for controlling surface pathogenic microbes.

24. Animal exchange /transfer acquisition/mortality/natality during the year

Animal acquisition

Sl. No.	Date	Species	Sex (M:F)	Received
1	24-04-2019	Sloth bear	M	Chitradurga division
2	24-04-2019	Sloth bear	F	Chitradurga division
3	18-06-2019	Spotted deer	F	Shikaripura
4	27-09-2019	Blackbuck	5:10	Mysore zoo
5	27-09-2019	Nilgai	1:1	Mysore zoo
6	27-09-2019	Black swan	2:2	Mysore zoo
7	27-09-2019	Red jungle fowl	3:3	Mysore zoo
8	27-09-2019	Emu	3:3	Mysore zoo
9	27-09-2019	Chinese ring pheasant	1:0	Mysore zoo
10	20-12-2019	Hog deer	1:0	Mysore zoo
11	20-12-2019	Marsh crocodile	1:0	Mysore zoo
12	10-10-2020	Spotted deer	0:1	Mysore zoo

Animal disposal

Sl. No.	Date	Species	Sex (M:F)	Remarks
1	27-02-2020	Sambar deer	6:7	Released to shetihalli wildlife sanctuary
2	27-02-2020	Spotted deer	23:11	Released to shetihalli wildlife sanctuary

Mortality report

Sl.No.	Species	No.	Sex	Date	Remarks
1	Java sparrow	1	M	10-06-2019	
2	Jackal	1	M	30-06-2019	
3	Spotted deer	1	M	08-08-2019	
4	Sambar deer	1	F	09-08-2019	
5	Sambar deer	1	M	10-08-2019	
6	Lady Amherst pheasant	1	U	10-08-2019	
7	Spotted deer	1	M	11-08-2019	
8	Spotted deer	1	F	21-08-2019	
9	Muskovy duck	1	F	06-09-2019	
10	Blackbuck	1	M	13-10-2019	
11	Blackbuck	1	F	25-10-2019	
12	Blackbuck	1	M	11-11-2019	
13	Blackbuck	1	M	14-11-2019	

Sl.No.	Species	No.	Sex	Date	Reason for death
14	Blackbuck	1	F	20-11-2019	
15	Blackbuck	1	F	24-11-2019	
16	Blackbuck	1	M	25-11-2019	
17	Black swan	1	F	27-11-2019	
18	Green pheasant	1	F	10-01-2020	
19	Emu	1	F	21-01-2020	
20	Emu	1	M	21-01-2020	
21	Nilgai	1	M	25-01-2020	
22	Peafowl	1	F	30-01-2020	

Natality Report

Sl.No.	Species	No.	Sex	Date	Remarks
1	Spotted deer	1	F	20-04-2019	
2	Peafowl	1	M	29-07-2019	
3	Lady Amherst pheasant	1	U	10-7-2019	
4	Nilgai	1	U	02-10-2019	
5	Spotted deer	1	F	14-11-2019	
6	Sambar deer	1	M	21-11-2019	
7	Hog deer	1	F	13-01-2019	
8	Spotted deer	1	M	18-01-2019	
9	Nilgai	1	F	21-01-2020	
10	Sambar deer	1	M	26-01-2020	
11	Spotted deer	1	F	4-02-2020	
12	Sambar deer	1	M	13-02-2020	
13	Leopard cubs	2	M	05-03-2020	
14	Spotted deer	1	M	15-03-2020	

Zoo Authority of Karnataka
Consolidated Report of Scheduled and other Species Inventory for the month of April 2019 to March-2020
Name of the Zoo : Tiger-Lion Safari, Thyavarekoppa, Shimoga.

Sch - 1 & Sch -2	Stock at the opening of the present month				During the Month of April 2019 to March 2020												Stock at the closing of the present month								
	M	F	U	T	Births			Acquisition				Disposal			Deaths			M	F	U	T				
Mammals	22	16	0	38	2	0	0	2	6	11	0	17	0	0	0	0	4	4	0	8	26	23	0	49	
Birds	2	3	0	5	1	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	1	3	2	0	5
Reptiles	0	4	0	4	0	0	0	0	2	1	0	3	0	0	0	0	0	0	0	0	2	5	0	0	7
Total	24	23	0	47	3	0	0	3	8	12	0	20	0	0	0	4	5	0	9	31	30	0	0	61	
Other Schedule																									
Mammals	68	115	0	183	6	5	0	11	2	4	0	6	29	24	0	53	4	2	0	6	43	98	0	141	
Birds	43	38	1	82	0	1	1	1	9	8	0	17	0	0	0	3	3	3	1	7	49	43	1	93	
Reptiles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	0	0	
Total	111	153	1	265	6	5	1	12	11	12	0	23	29	24	0	53	7	5	1	13	92	141	1	234	
All Animals																									
Mammals	90	131	0	221	8	5	0	13	8	15	0	23	29	24	0	53	8	6	0	14	69	121	0	190	
Birds	45	41	1	87	1	0	1	2	9	8	0	17	0	0	0	3	4	1	8	52	45	1	1	98	
Reptiles	0	4	0	4	0	0	0	0	2	1	0	3	0	0	0	0	0	0	0	2	5	0	0	7	
Total	135	176	1	312	9	5	1	15	19	24	0	43	29	18	0	53	11	10	1	22	123	171	1	295	
Grand Total	135	168	1	312	9	5	1	15	19	24	0	43	29	18	0	53	11	10	1	22	123	171	1	295	

No.ACT:ZAK:CR-10/2016-17
 Copy submitted to:

S. Rave
 Range Forest Officer,
 Tiger and Lion, Safari,
 Thyavarekoppa.

S. Rave
 Asst. Director,
 Veterinary Services,
 Tiger-Lion Safari, Thyavarekoppa,
 Shimoga.

1. The Member Secretary, Central Zoo Authority, B-1 Wing, 6th Floor, Deendayal Antyodaya Bhawan, CGO Complex, Lodhi Road, New Delhi for kind information and needful.
2. The Principal Chief Conservator of Forests, (Wildlife), Bangalore for kind information and needful.
3. The Addl. Principal Chief Conservator of Forests Member Secretary, Jayachamarajendra Zoological Garden, Mysore for kind information and needful.

KZA Inventory

S. Rave
 Executive Director,
 Tiger-Lion Safari, Thyavarekoppa,
 Shimoga

25. Annual inventory of animals

Zoo Authority of Karnataka.
Inventory Form for the month April 2019 - March 2020
Schedule- 1 Schedule -2
(Wildlife Protection Act)
Name of the Zoo: Tiger-Lion Safari, Thyavarekoppa, Shimoga.

Sl. No	Species	During the month April 2019-March 2020												Stock at the closing of the present month											
		Stock at the closing of the previous month			Births			Acquisition			Disposal			Deaths			M	F	U	T					
I Mammals		M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T				
1	Tigers - Panthera tigris	5	2	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	0	7	
2	Lion - Panthera leopercica (hybrid)	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4	
3	Panther - Panthera pardus	10	8	0	18	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	12	8	0	20	
4	Sloth bear - Melurus ursinus	1	1	0	2	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	2	2	0	4	
5	Black buck - Antilope cervicapra	1	0	0	1	0	0	0	0	5	10	0	15	0	0	0	0	0	0	3	4	0	7	3	
6	Indian Palm civet - Paradoxurus hermaphroditus	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
7	Jackal - Canis aureus.	3	1	0	4	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	1	0	
Total:-		22	16	0	38	2	0	0	2	6	11	0	17	0	0	0	0	4	4	0	8	26	23	0	49
II Birds																									
1	Peafowl - Pavo cristatus.	2	3	0	5	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	3	2	0
Total:-		2	3	0	5	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	3	2	0
III Reptiles																									
1	Crocodile marsh - Crocodylus palustris	0	2	0	2	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	2	0
2	Python - Rock python molurus	0	2	0	2	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	1	3	0
Total:-		0	4	0	4	0	0	0	0	2	1	0	3	0	0	0	0	0	0	0	0	0	2	5	0
Grand Total:-		24	23	0	47	3	0	0	3	8	12	0	20	0	0	0	0	4	5	0	9	31	30	0	61

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3. The Addl. Principal Chief Conservator of Forests Member Secretary, Jayachamarajendra Zoological Garden, Mysore for kind information and needful.

KZA Inventory

Range Forest Office,
Tiger and Lion, Safari,
Thyavarekoppa.

Asst. Director,
Veterinary Services,
Tiger-Lion Safari, Thyavarekoppa,
Shimoga.

Executive Director,
Tiger-Lion Safari, Thyavarekoppa,
Shimoga

Zoo Authority of Karnataka.
Inventory Form for the month of April 2019 to March 2020
Other Schedule
(Wildlife Protection Act)

Name of the Zoo: Tiger-Lion Safari, Thyavarekoppa, Shimoga.

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	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T								
I Mammals																											
1	Hyena - <i>Hyena hyena</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2				
2	Deer Sambar - <i>Cervous unicolor</i>	17	32	0	49	3	0	0	3	0	0	0	0	6	7	0	13	1	1	0	2	13	24	0	37		
3	Deer Spotted - <i>Axis axis</i>	49	74	0	123	2	3	0	0	5	0	1	0	1	23	17	0	40	2	1	0	3	26	60	0	86	
4	Porcupine - <i>Hystrix indica</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
5	Nilgai - <i>Boselaphus tragocamelus</i>	1	5	0	6	1	1	0	2	1	1	0	2	0	0	0	0	1	0	0	1	0	1	2	7	0	9
6	Malabar Giant Squirrel - <i>Ratula indica</i>	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	4
7	Hog deer - <i>Axis porcinus</i>	0	0	0	0	0	1	0	1	1	2	4	0	6	29	24	0	53	4	2	0	6	43	98	0	141	
II Birds																											
1	White goose - <i>Anser anser</i>	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
2	Muscovy Ducks - <i>Cairina moschota</i>	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	1	0	3	
3	Silver pheasant - <i>Lophura nycthemera</i>	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
4	Emu - <i>Dromaius novaehollandiae</i>	2	1	0	3	0	0	0	0	0	3	3	0	6	0	0	0	1	1	0	2	4	3	0	7		
5	Lady Amherst pheasant - <i>Chrysolophus amherstiae</i>	2	2	1	0	3	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0	3	
6	Budgerigar - <i>Melopsittacus undulatus</i>	13	13	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	13	0	26
7	Peach faced love birds - <i>Agapornis roseicollis</i>	9	9	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	0	18
8	Cockatiel - <i>Nymphicus hollandicus</i>	5	5	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	10
9	Ostrich - <i>Struthio camelus</i>	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3
10	Black Swan - <i>Cygnus atratus</i>	1	1	0	2	0	0	0	0	0	2	2	0	4	0	0	0	1	0	0	1	0	2	3	0	5	
11	Yellow Golden Pheasant - <i>Chrysolophus pictus</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	2	
12	Green Pheasant - <i>Phasianus versicolor</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	
13	Javan Sparrow - <i>Lonchura oryzivora</i>	3	3	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	3	0	5
14	Chinese ring necked pheasant	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1
15	Red junglefowl	0	0	0	0	0	0	0	0	0	3	3	0	6	0	0	0	0	0	0	0	0	0	3	3	0	6
Total:-		43	38	1	82	0	0	1	1	9	8	0	17	0	0	0	0	3	3	1	7	49	43	1	93		
Reptiles		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
nil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Grand Total:-		111	153	1	265	6	5	1	12	11	12	0	23	29	24	0	53	7	5	1	13	92	141	1	234		
nilgai: surplus animals shifted from mysore zoo																											

No.ACT:ZAK:CR-10/2016-17

Range Forest Office,
Tiger and Lion, Safari,
Thyavarekoppa.

Asst Director,
Veterinary Services,
Tiger-Lion Safari, Thyavarekoppa,
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Executive Director,
Tiger-Lion Safari, Thyavarekoppa,
Shimoga

27. Research work carried out and publications

1. spacial patterns and behavioral changes of captive animals to different stress conditions .(2019)
2. study of olfactory enrichment for captive leopards at tiger and lion safari .(2019)
3. Molecular studies on micro bacterium species with special emphasis on micro bacterium avian complex in Shimoga dist(2018).
4. diversity and distribution of avian fauna in tiger lion safari.(2019)
5. study on tourism impact on monkeys at tiger and lion safari.(2019)

26. List of free living wild animals, insects and birds within the zoo premises.

Birds	Mammals	Reptiles	Insects	Amphibians
Red whiskered bulbul	Sloth bear	Spectacled cobra	Daddy long leg spider	Dataphrynus melanotictus
Red wented bulbul	Palm squirrel	Wolf snake	Marbled moth	Minervarya species
Orange minivet	Toddy cat	Green wine sanke	Owlet moth	Common tree frog
Scarlet minivet	Small Indian civet	Common krait	Danid egg fly	Bi colored frog
Pradise fly cathcher	Pangolin	Rat snake	Crimson rose	Srilanka painted frog
Golden oriole	Leopard	Bhramini skink	Common rose	Skittering frog
Wabblers	Spotted deer	Monitor lizard	Common crow	-

Birds	Mammals	Reptiles	Insects	Amphibians
Jungle Babblers	Sambar deer	-	Southern bird wing	-
Leaf bird	Bonnet macaque	-	Jeepsy moth	-
White cheeked barbet	Wild bore	-	Common emigrant	-
Copper smith barbet	Common languor	-	Chocolate phansy	-
Brown headed barbet	-	-	Tawny costar	-
Black drongo	-	-	Blue leopard	-
Rocket tail drongo	-	-	Common tiger	-
Ashy drongo	-	-	-	-
Fire brested fly cather	-	-	-	-
Orange thrush	-	-	-	-
Ashy priniya	-	-	-	-
Shrike	-	-	-	-
Bushchat	-	-	-	-
Forest wagtail	-	-	-	-
White throated kingfisher	-	-	-	-
Hoopie	-	-	-	-
Greater flame back wood pecker	-	-	-	-
Lesser flame back	-	-	-	-
Pigmy hog woodpecker	-	-	-	-

Birds	Mammals	Reptiles	Insects	Amphibians
Yellow crowned woodpecker	-	-	-	-
Rufous treepie	-	-	-	-
Blue monarch	-	-	-	-
Tailor bird	-	-	-	-
Sun bird	-	-	-	-

31. Animal adoption scheme

Adoption details

Sl. No	Year	No of people adopted	Adoption amount
1	2019-20	134	1,89,100.00

List of surplus animals

Sl.No	Name of surplus animals	Sex (M:F)
1	Leopard	6:4
2	Spotted deer	14:6
3	Sambar deer	4:5

