

PARASSINIKKADAVUSNAKEPARK & ZOO

ANNUAL REPORT

2019 - 2020



TABLE OF CONTENTS

1.	Report of the Officer-in-charge.....	1
2.	History of the Zoo.....	2
3.	Vision	3
4.	Mission.....	3
5.	Objective.....	3
6.	About us.....	4
7.	Organizational Chart.....	5
8.	Human Resources.....	6
9.	Capacity Building of the zoo personnel.....	7
10.	Zoo Advisory Committee.....	8
11.	Health Advisory Committee.....	8
12.	Statement of income and expenditure of the Zoo.....	10
13.	Daily feed Schedule of animals.....	11
14.	Vaccination Schedule of animals.....	13
15.	De-worming Schedule of animals.....	13
16.	Disinfection Schedule.....	13
17.	Health Check-up of employees for zoonotic diseases	14
18.	Development Works carried out in the zoo during the year.....	15
19.	Education and Awareness programmes during the year.....	19
20.	Important Events and happenings in the zoo.....	27
21.	Seasonal special arrangements for upkeep of animals.....	34
22.	Research Work carried out and publications.....	35
23.	Conservation Breeding Programme of the Zoo.....	36
24.	Animal acquisition / transfer / exchange during the year.....	37
25.	Rescue and Rehabilitation of the wild animals carried out by the zoo... ..	37
26.	Annual Inventory of animals	38
27.	Mortality of animals.....	42
28.	Status of the Compliance with conditions stipulated by the CZA.....	43
29.	List of free living wild animals within the zoo premises.....	49

REPORT OF THE OFFICER-IN-CHARGE

Parassinikadavu Snake Park and zoo has successfully completed a year of unique developments in all sectors since its inception 1982. The administration and work of the center has been streamlined with whole hearted support of the Kerala Forest Department and Central Zoo Authority. Timely intervention and advice from the above authorities has accorded much confidence in rebuilding the entire system complying the Master plan layout approved by the Central Zoo authority.

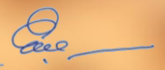
Parassinikadavu Snake Park and Mini Zoo is now upgraded to Small category Zoo by CZA considering the overall development, species diversity and wildlife management. Thousands of visitors are reaching over this tourist center from far and near. The Kannur International Airport and Azhikode Seaport facilitated more acclaim and reachability.

Considering the unique experience and expertise, that our sister concern, Pappiniseri Visha Chikilsa Society, Kannur acquired in Herpetology and Snake Bite Treatment, the zoo is planning to prioritize research and developments in the area of Herpetology / Toxicology.

A Scheme for Centre of Excellence is under preparation and to be submitted to Ayush Department. Several reputed institutions in RMD field, Rajeev Gandhi center for Biotechnology, Trivandrum and Institute of Microbial Technology Chandigarh have come forward to associate with a BIRAC/ DBT funded project.

The Snake Park has been upholding the motto “Love Snakes, not to kill them” envisaged by the Founder of this Center, Shri. M.V. Raghavan. So we are optimistic that by 2020 we could achieve the goals. The goal of the zoo is to convert it into a renowned Reptile Park housing reptile of the region and rare exoticspecies.

We are sure that we could achieve the goals by the wholehearted support of dedicated employees, tourists, public and support from higher authorities like Forest department Government of Kerala and Central Zoo authority Ministry of Environment, Forest and Climate Change (Government of India)



Prof. E. Kunhiraman
Director





M.V. Raghavan (1933 – 2014)

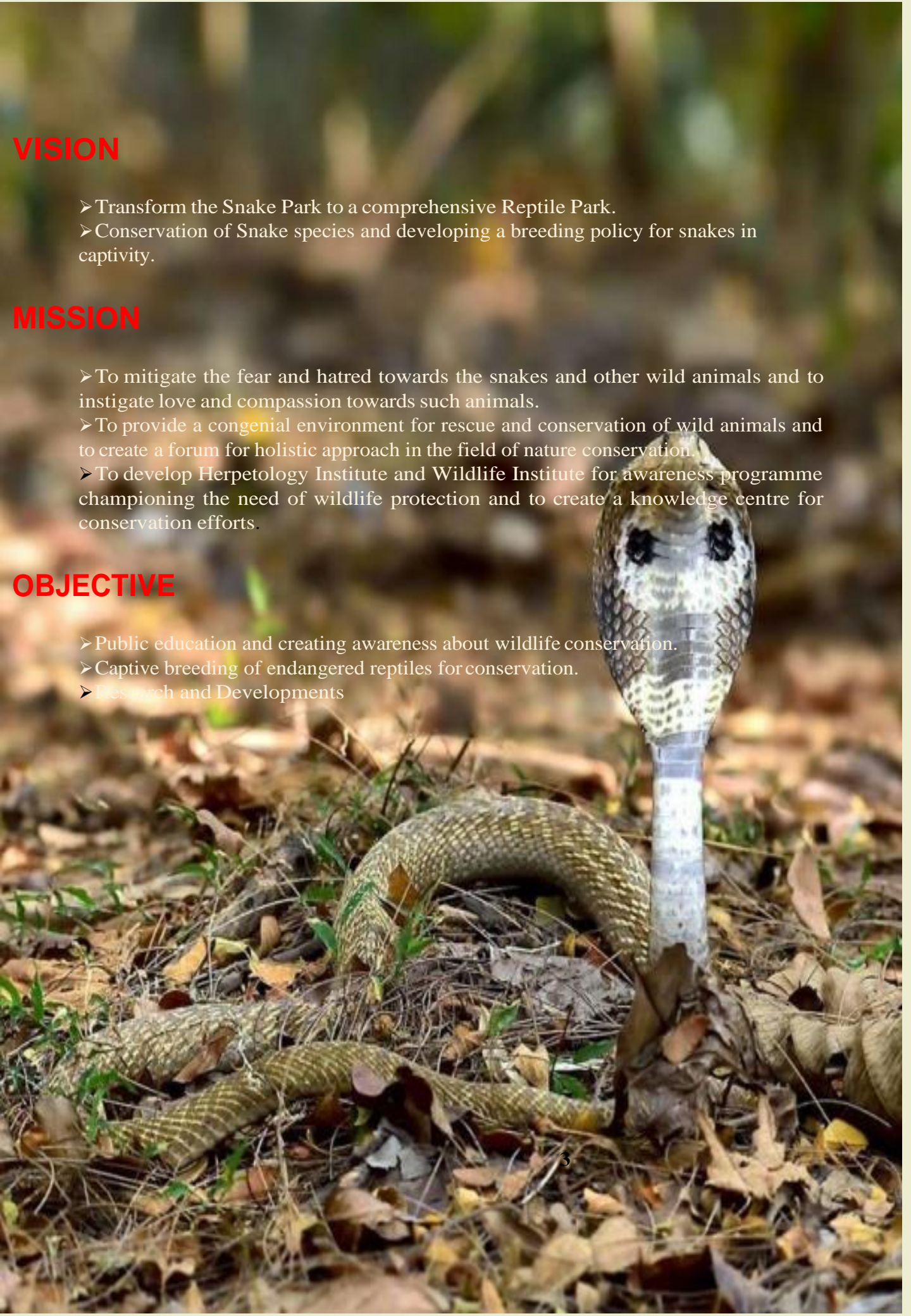
The Parassinikkadavu Snake Park was established by Social activists lead by Hon. Ex-minister of state, **M.V. Raghavan** on January 8th, 1982. The snake park is an offshoot of Pappinisseri 'Visha Chikitsa Kendra' intended for Snake bite treatments which was established in the year 1964.

History of the Zoo

The Parassinikkadavu Snake Park was established by Social activists lead by Hon. Ex-minister of state, M.V. Raghavan on January 8th, 1982 at the site purchased from Kerala Government. This snake park is an offshoot of Pappinisseri 'Visha Chikitsa Kendra' intended for Snake bite treatments.

The Pappinisseri snake bite treatment centre was established in the year 1964. This is a centre for curing patients of snake bite using the combination of Ayurvedic, Allopathic and Traditional practices. It was quite common that people bringing the victims of snake bites used to carry the snakes also, as alive, killed or hurt in many cases. Such snakes played a vital role in treatment since the treatment for snake bite differed for Vipers, Cobras, and Kraits. It was easy for the physicians to provide immediate treatment once the snake is identified and the symptoms are tallying with the particular species of snake. The abundance in number of such captive snakes was a practical problem for the founders of the snake bite treatment centre. They got inspiration from Sri. Romulus Whitaker, the famous conservationist and Herpetologist who was instrumental for the establishment of Snake Park and Crocodile Park in Chennai. Providing a practical opportunity to create awareness about the ecological significance of Snakes was the biggest motivation for Social activists of this region for establishing this Park. More than 40 lakh people visited this Park during the last decade.

This park has turned out to be significant education centre for students and general public for last 34 years. This has found a major place in the tourist map of Kerala also. The nearest Zoos in this region are located in Mangalore and Trichur. Almost seventy lakh people of the Malabar Region are to be satisfied with this zoo to see a few wild animal species , apart from Protected Areas.



VISION

- Transform the Snake Park to a comprehensive Reptile Park.
- Conservation of Snake species and developing a breeding policy for snakes in captivity.

MISSION

- To mitigate the fear and hatred towards the snakes and other wild animals and to instigate love and compassion towards such animals.
- To provide a congenial environment for rescue and conservation of wild animals and to create a forum for holistic approach in the field of nature conservation.
- To develop Herpetology Institute and Wildlife Institute for awareness programme championing the need of wildlife protection and to create a knowledge centre for conservation efforts.

OBJECTIVE

- Public education and creating awareness about wildlife conservation.
- Captive breeding of endangered reptiles for conservation.
- Research and Developments

Basic Information about the Zoo

Name of the Zoo : Parassinikkadavu Snake Park and Zoo

Year of Establishment : 1982

Address of the Zoo : Parassinikkadavu Snake Park
Parassinikkadavu – Mayyil road,
Dharmasala, Kannur – 670563

State : Kerala

Telephone Number : Mobile: 9744611024,
9400399000

Phone: 0497-2780738

E-mail address : mail@thesnakepark.com

Website : www.thesnakepark.com

Distance from nearest : Airport: 31 km
Railway Station: 16.7 km
Bus Stand: 17.1 km

Recognition Valid upto : September 2019

Category of zoo : Small Zoo

Area (in Hectares) : 0.993698 (2.455 Acres)

Number of Visitors (Financial Year) : Adult: 377984
Children: 165848
Total visitors: 543832

Visitors' Facilities Available in Zoo :

- Wheel chair for Physically challenged
- Children's Park
- Lavatory Complex
- Drinking water facility
- Kiosks (6)

Weekly Closure Day of the Zoo : Tuesday

Management Personnel of the zoo

Chief Executive Officer : Mr. Avinash Girija

Veterinary Officer : Dr. Kalyani G Nambiar

Curator : Mr.Nandan Vijayakumar

Chief Supervisor : Mr. Sudhakaran T. V

H.R. Manager : Mrs. Bindhu M. K.

Biologist: Unnikrishnan P K

Owner / Operator of the Zoo

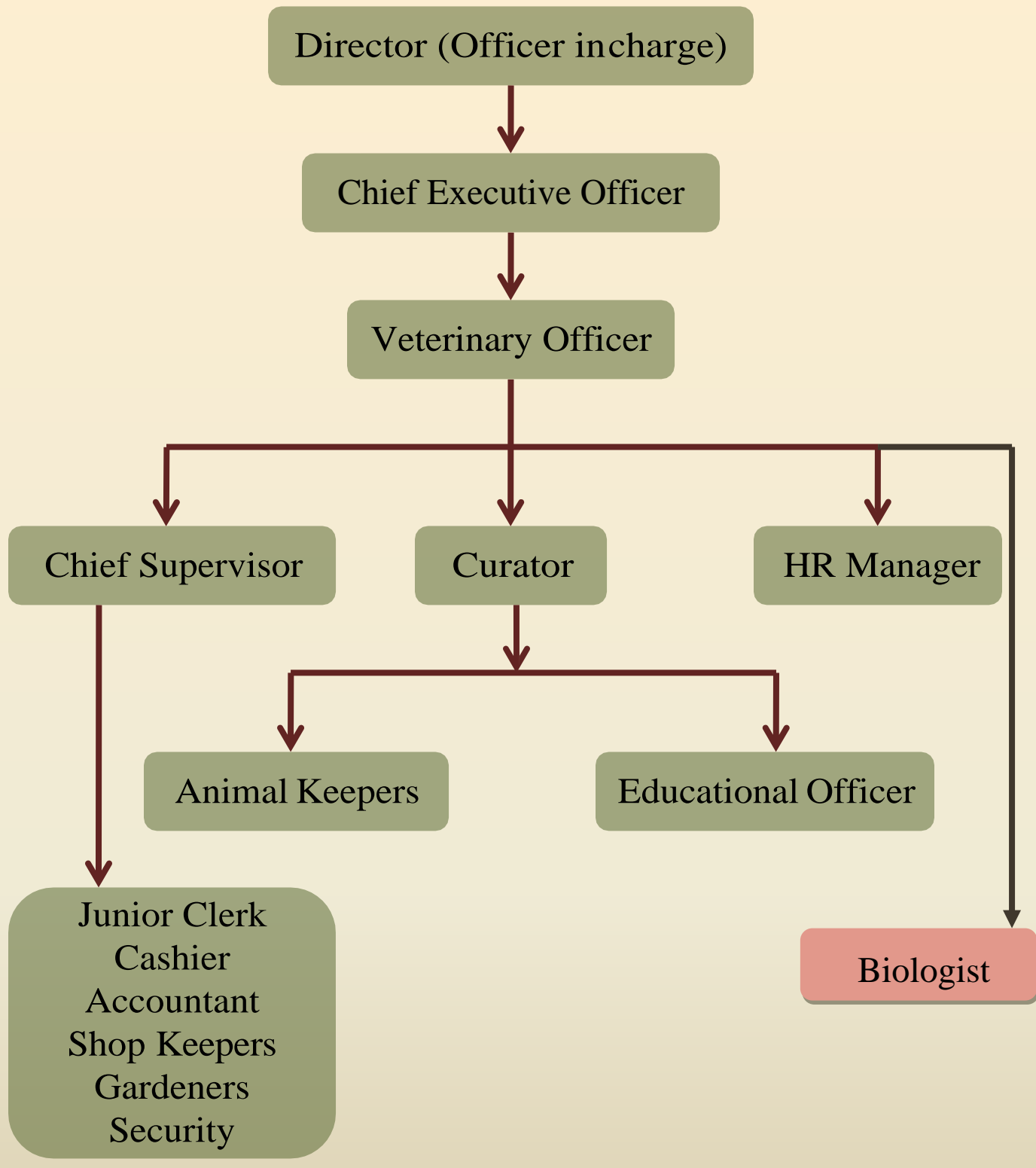
Name of the Operator : Prof. E. Kunhiraman , Director

Address of the Operator : Parassinikkadavu Snake Park
Parassinikkadavu– Mayyil road,
Dharmasala, Kannur – 670563

Contact details/Phone number of Operator: Mob: +91 9447770098

E-mail address of Operator : mail@thesnakepark.com

ORGANIZATIONAL CHART



HUMAN RESOURCES

Designation	Number of Sanctioned Posts	Names of the incumbent
Director	1	Prof. E. Kunhiraman
Chief Executive Officer	1	Mr. Avinash Girija
Veterinary Officer	1	Dr. Kalyani G Nambiar
Chief Supervisor	1	Mr Sudhakaran T.V.
Curator	1	Mr. Nandan vijaykumar
Biologist	1	Mr.Unnikrishnan P.V
H.R. Manager	1	Mrs. Bindu M.K.
Educational Officer	1	Mr. Riyaz V.K
Head Keeper	1	Mr. Sajeevan O.
Zoo Keepers	5	Mr. Augustin K.A. Mr. Santhosh P.V. Mr. Jayesh A.J. Mr. Jayanth P. Mr. Prakashan P.V
Junior Clerk	1	Mrs. Aswathy K.
Cashier	1	Mrs. Pradeepa K.V.
Accountant	1	Mrs. Sindhu
Shop Keepers	5	Mrs. Preetha E. Mrs. Sheeba P.V. Mrs. Preetha P Mrs. Shruthi Mr. Krishna
Gardeners	6	Mrs. Bindhu T. Mrs. Sreeja V. Mrs. Beena M.P. Mrs. Thanka P. Mrs. Leela K. Mrs. Usha
Security	3	Mr. Bhavadasan E. Mr. Reghunathan C. Mr. Rajan C.

CAPACITY BUILDING OF ZOO PERSONNEL

Name and designation of the zoo personnel	Subject matter of Training	Period of Training	Name of the Place where the Training attended	Organizer of the programme
Nil	Nil	Nil	Nil	Nil



ZOO ADVISORY COMMITTEE

Date of constitution: 1st January, 2018

Members

1. Mr. James Mathew (MLA)
2. Mrs. P. K. Shyamala Teacher (Municipal Chairperson)
3. Dr. Ahmed Ziya Mehtah (Veterinary Surgeon)
4. Prof. E. Kunhiraman (Director, Parassinikadavu Snake and Zoo)
5. Mr. Avinash girija (CEO, Parassinikadavu Snake and Zoo)
6. Dr. Kalyani Nambiar (Veterinary Officer, Parassinikadavu Snake and Zoo) Ex Officio
7. Mr. Nandan Vijaykumar. (Curator, Parassinikadavu Snake and Zoo)
8. Mr. Muraleedharan A.K. (Principal, MVR Ayurveda Medical College, Parassinikkadavu)

Dates on which Meetings held during the year:

- 16th April, 2019
- 20st July, 2019
- 15th October, 2019
- 10th January, 2020

ZOO HEALTH ADVISORY COMMITTEE

Date of constitution: 18th June, 2018

Members:

1. Mrs. P. K. Shyamala Teacher (Municipal Chairperson)
 2. Dr. Ahmed Ziya Mehtah (Veterinary Surgeon)
 3. Prof. E. Kunhiraman (Director, Parassinikadavu Snake and Zoo)
 4. Mr. Avinash Girija (CEO, Parassinikadavu Snake and Zoo)
 5. Dr. Kalyani G Nambiar. (Veterinary Officer, Parassinikadavu Snake and Zoo)
 6. Dr. Mukundan K.V. (M.D, Co-operative Hospital, Taliparamba)
 7. Mr. Muraleedharan A.K. (Principal, MVR Ayurveda Medical College, Parassinikkadavu)
 8. Dr. Smitha (Medical Superintendent, MVR Ayurveda Medical College, Parassinikkadavu)
 9. Dr. Vineeth George (Assistant Professor, MVR Ayurveda College, Parassinikkadavu)
- } Ex Officio

Dates on which Meetings held during the year:

- 12th June, 2019
- 8rd November, 2019
- 17th February, 2020

STATE HEALTH ADVISORY COMMITTEE

The first meeting of state level health advisory committee for zoos held on 25.09.2018 in Museum and Zoo, Thiruvananthapuram under chairpersonship of Shri. P. K. Kesavan, IFS, PCCF (WL) & CWW.

The members include:

1. Chief Forest Veterinary Officer, Kerala
2. Forest Veterinary Officer, Thiruvananthapuram

Veterinary Officers of following centers:

3. Museum and Zoo, Thiruvananthapuram
4. Kottoor Elephant Rehabilitation Center, Thiruvananthapuram
5. Elephant Reserve, Konni
6. Kodanad Mini Zoo, Ernakulam
7. State Zoo and Museum, Thrissur
8. Malampuzha Snake Park, Palakkad
9. Parassinikkadavu Snake Park and Zoo, Kannur

Date on which Meetings held during the year: 15th September, 2019

STATEMENT OF INCOME AND EXPENDITURE OF THE ZOO (2019 – 2020)

Total Income (`): 2,01,58,938 /-

Total Expenditure (`): 1,52,67,370 /-

Net Profit (`): 48,91,568 /-

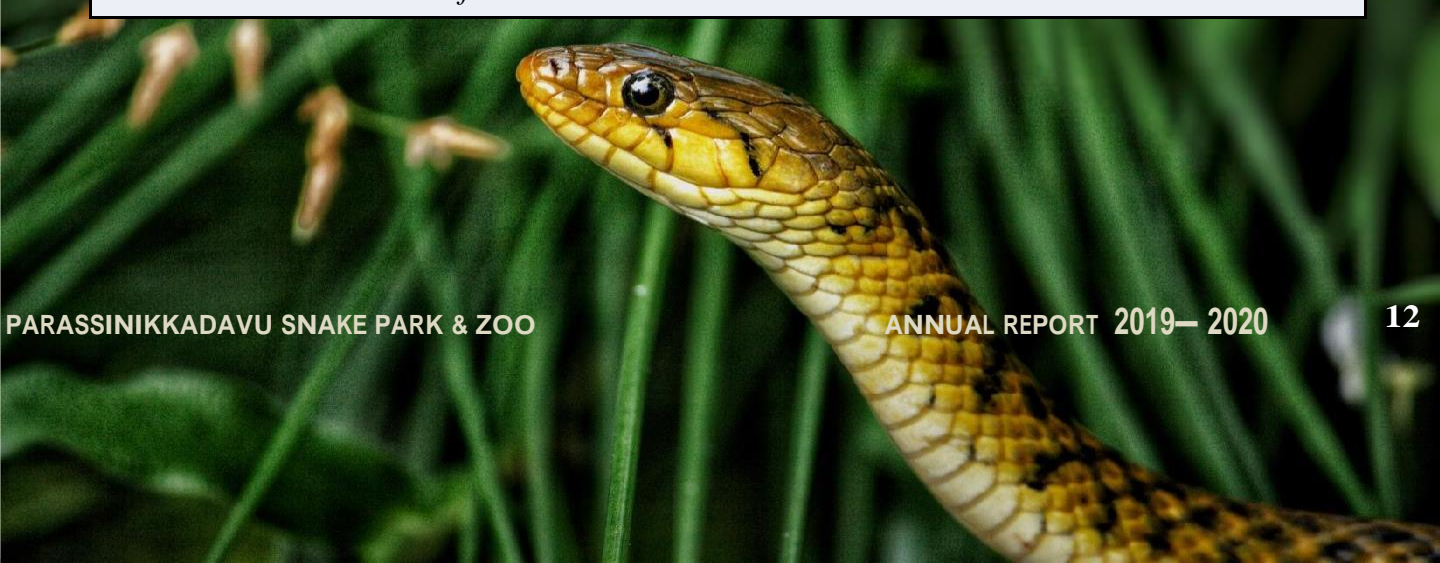
DAILY FEED SCHEDULE OF ANIMALS

Sl.No	Species	Feed item	Quantity (grams / individual)	Frequency	
1	Jungle Cat	Chicken Meat	300	Daily	
2	Asian Palm Civet	Chicken Meat	300	Daily	
		Banana	2 number		
3	Indian Crested Porcupine	Cucumber	200	Daily	
		Banana	200		
		Carrot	150		
		Cabbage	150		
		Tomato	150		
		Tapioca	150		
		Beef bones	100		
4	Bonnet Macaque*	Banana	150	Daily	
		Boiled rice	75		
		Tomato	175		
		Mixture (For ale)	Egg		6 Number
			Bread		1 Pack
			Milk		1.5 Liters
5	Indian Peafowl*	Plantain	150	Daily	
		Cabbage	100		
		Cucumber	600		
		Rice	1000		
		Gram	250		
		Spinach	50		
6	Emu*	Plantain	150	Daily	
		Cabbage	100		
		Cucumber	600		
		Spinach	150		
		Onion	50		
		Boiled rice	500		
7	Silver Pheasant*	Plantain	50	Daily	
		Cabbage	20		
		Cucumber	100		
		Rice	100		
		Gram	50		
		Spinach	20		

DAILY FEED SCHEDULE OF ANIMALS

Sl.No	Species	Feed item	Quantity (grams / individual)	Frequency
8	Rose Ringed Parakeet*	Banana	50	Daily
		Tomato	50	
9	Love Birds*	Foxtail millet	50	Daily
10	White Necked Stork	Chicken meat / Fish	200	Daily
11	Barn Owl	Chicken meat / Fish	200	Daily
12	Brown Fish Owl	Chicken meat / Fish	200	Daily
13	Black Kite	Chicken meat / Fish	200	Daily
14	Brahminy Kite	Chicken meat / Fish	200	Daily
15	Marsh Crocodile	Chicken meat / Fish	400	Daily
16	Bengal Monitor	Chicken meat	250	Daily
17	Indian Black Turtle	Chicken meat	25	Daily
18	Red Eared Slider	Chicken meat	25	Daily
19	Travancore Tortoise	Cucumber	200	Daily
20	Snakes	Pinkies, Mice, Rat, Day-old-chicks, Chicken, Geckos, Frogs	As per requirement	Weekly once

* Provided with seasonal fruits



VACCINATION SCHEDULE OF ANIMALS

Sl No	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
1	Jungle Cat	Rabies	Raksharab	Annualy	Healthy and Vaccinated
2	Silver Pheasant	New castle	New castle disease Vaccine	Annualy	Healthy and Vaccinated

DE-WORMING SCHEDULE OF ANIMALS

Sl.No	Species	Drug used	Month
1	Primates	Albendazole	December
		Fenbendazole	June
2	Felidae (Jungle cats)	Albendazole	October
		Fenbendazole	April
3	All birds	Albendazole	September
		Fenbendazole	March
4	All reptiles	Albendazole	October
		Fenbendazole	April

DISINFECTION SCHEDULE

Sl.No	Species and Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Applicable to all enclosures	Kohrsolin According to the product information	Fortnightly
2		Potassium permanganate Foot dips are installed in some enclosures and construction work is in progress for remaining enclosures	Daily
3		Sokrena Dose @ 1ml / 50litre	Monthly
4		Fumigation Potassium Permanganate & Formaldehyde	Monthly

HEALTH CHECK-UP OF EMPLOYEES FOR ZONOTIC DISEASES

Health Checkup for all employees was conducted on 13.07.2019 by DDRC SRL Diagnostics Private Limited, Kannur. The following tests were carried out:

General test : Blood pressure
Body Mass Index (BMI)

Complete Haemogram : Haemoglobin
TLC
DLC
Neutrophils, Eosinophils, Basophils,
Lymphocytes, Monocytes,
ESR
RBC
PCV
MCV
MCH
MCHC
Red cell distribution
Platelet counts

Biochemical parameters : Random Blood Sugar (Plasma)

Lipid test : Total Cholesterol

Zoonotic disease screening : **Brucellosis:**
- Brucella Ig Test
Tuberculosis:
- Mycobacterium microscopy Sputum (AFB)

New look of the Awareness Zone




Renovated awareness zone

Recycle Art Competition – April 21, 2019



Parassinikkadavu Snake Park & Zoo, celebrated 'World Earth Day' by conducting 'Painting Competition' regarding the theme *Plastic Pollution*.

World Turtle Day Observance – May 23, 2019





WORLD TURTLE DAY, May 23

CELEBRATE FRESHWATER & MARINE TURTLES AND TORTOISES

KNOW THE DIFFERENCE BETWEEN TURTLES AND TORTOISES



SEA TURTLE	TORTOISE	TERRAPINS OR FRESHWATER TURTLES
Aquatic	Terrestrial	Semi-terrestrial
Carnivorous, omnivorous, herbivorous	Herbivorous, few omnivorous	Carnivorous, herbivorous
Webbed feet for swimming	Short sturdy feet and strong legs for digging soil	Webbed feet with strong broad claws to climb out of water
Flatter carapace reduces drag in water	Domed carapace aids defensive protection	Oblong between flat and domed

OLIVE RIDLEY
STAR TORTOISE
BLACK TURTLE

MAJOR THREATS TO TURTLES AND TORTOISES



SMUGGLING FOR MEAT, EGGS AND PET TRADE / HABITAT DESTRUCTION AND POLLUTING THE OCEANS

- Over 25,000 live turtles were confiscated from smugglers yearly. In addition to live specimens, thousands of sea turtle eggs are dug up and sold as delicacies.
- Polluting the river or ocean leads to deformed hatchlings; plastics eaten by the turtles; disappearance of main food sources.

CONSERVING TURTLES AND TORTOISES

- The "turtle walks" involve many local people who carefully dig up the nests along the beaches and take the eggs to a protected spot to make sure the eggs are not stolen or eaten and hatchlings released safely.
- Creation of protected areas where endangered river turtles are kept secluded from the greater environment in order to protect them from smugglers and monitor their breeding.

World Turtle Day was observed on May 23rd by erecting posters regarding the importance on conservation of turtles.

World Environment Day Celebration – June 5, 2019

PARASSINIKKADAVU SNAKE PARK & ZOO
Celebrates
WORLD ENVIRONMENT DAY
5th JUNE 2019
Join us for
RUN WITH US #ToBeatAirPollution
WALL MURAL ART Unveiling the Culture
SAPLING Distribution
LAUNCHING OF WEBSITE www.thesnakepark.com @ Amphitheater



The 'World Environment Day' was celebrated at Parassinikkadavu Snake Park by planting saplings at Snake park premises. Saplings were distributed among the visitors and a feedback was taken from visitors to ensure that saplings are properly taken care off. Snake Park celebrated this year's environmental day emphasizing on the theme #ToBeatAirPollution. Marathon was organized by participating students and public to spread awareness of reducing air pollution. Wall Mutual art competition was also conducted. On this auspicious day, Dr. Kunhiraman, Director of Snake Park has inaugurated the Snake Park website.



Parassinikadavu Snake Park celebrated world snake day on July 16th July by creating awareness through lectures with respect to various aspects of snakes and their misconceptions pertaining in the society. Students and faculties from Dept. of Zoology and Forestry, Sir Syed College, Taliparamba participated in the awareness program. Through the sessions on ‘General aspects of snakes’ by Dr. Anju Mohan, Veterinary Officer, ‘Awareness on different types of snakes’ by Mr. Riyaz Mangad, Educational Officer were conducted. At the end of the program, a quiz had been conducted to the students.

Extinguisher Training & Fire Awareness



Parassinikkadavu Snake Park conducted fire extinguisher training and overall awareness of fire safety and fire precautions in workplace to the staffs and visitors. The hands on experience to employ portable fire extinguishers safely and effectively provided confidence to employees in effective use of it at workplace.

EDUCATION AND AWARENESS PROGRAMMES

Wildlife Week Celebration- October 2nd-8th 2019

PARASSINIKKADAVU SNAKE PARK & ZOO

JOIN US FOR

WILDLIFE WEEK CELEBRATIONS

വന്യ ജീവി വാരാഘോഷം OCTOBER 2nd TO 8th, 2019

FACE PAINTING CONTEST

PHOTO EXHIBITION October 6th, 2019; 10.30 AM WILDLIFE QUIZ

 Selhuraman IPS
DIG, Kannur range
Inauguration

 K. K. Marar
Artist
Guest of Honour

 Prof. E. Kunhiraman
Director, Parassinikkadavu Snake Park & Zoo
Presidential address

വന്യവും വന്യജീവനും സംരക്ഷിക്കാംവരും തലമുറയ്ക്കായി



Parassinikkadavu Snake Park conducted Face Painting Competition as a part of wildlife week celebration 2019. Huge number of people from various age categories participated and showed their talent. Shri. K. Sethuraman DIG, Kannur range, Shri. K. K. Marar enriched the function as our guests of honour. Delegates such as, Smt. Sumangala, Shri. Hareendran chalad and Col. Surendran spent their precious time and effort in judging the contestants.

EDUCATION AND AWARENESS PROGRAMMES

Wildlife Day Celebrations – 3rd March, 2020



Parassinikadavu snake park celebrated World Wildlife Day on 3rd March 2020. Live **Wildlife Quiz Program conducted to students visited snake park on wildlife.** Madhuca indica tree was planted in the park by Dr. Kunhiraman, Director, Snake Park. In the evening students from Kozhikode district was also been part of the program and quiz was conducted and winners presented rewards also. A description of different wildlife species was also given educating the students by Curator Mr. Nandan Vijayakumar.

IMPORTANT EVENTS AND HAPPENINGS

Parassinikkadavu Snake Park and Zoo Rescue team in collaboration with Forest department in calamity


പറശ്ശിനിക്കടവ് സ്നേക്ക് പാർക്ക് & സൂ
രക്ഷാപ്രവർത്തനത്തിന് വിളിക്കുക

വീട്ടിലോ പരിസരത്തോ
 ഈജന്റുക്കളെ കാണുന്ന
 സാഹചര്യം വന്നാൽ താഴെ
 പറയുന്ന ഫോൺ നമ്പറുകളിൽ
 ബന്ധപ്പെടാവുന്നതാണ്.

- അവയെ കോളാതിരിക്കുക അവയുടെ ജീവനും വിലപ്പെട്ടതാണ്.
- നിങ്ങൾ തല്ലിക്കൊല്ലുന്ന ജീവികൾ ഈ സാഹചര്യത്തിൽ അടുക്കി ഗുരുതരമായ ആരോഗ്യപ്രശ്നങ്ങൾക്ക് കാരണമാകാം.
- വിഷമുള്ള പാമ്പാണോ എന്ന് സംശയം ഉള്ളവർക്കും whatsapp നമ്പറും ഉപയോഗിക്കാം.

CONTACT US:
 **9400399000**
 **8438275800**

Email: mail@thesnakepark.com;
 Facebook: Parassinikkadavu Snake Park @thesnakeparkandzoo



Parassinikkadavu Snake Park Crew & volunteers provided selfless service in rescuing snakes and other animals which were stranded in human settlements during the devastating **flood outbreak** in Kerala, August 2019 in collaboration with Forest department of Kerala. The team rescued the snakes and released them away from humansettlements



Parassinikkadavu Snake Park and Zoo honored the members of Snake rescue team for their **Excellent Service** in the calamity.

IMPORTANT EVENTS AND HAPPENINGS

World Heart Day- 29th September 2019



MVR Ayurveda Medical College conducting a Free Medical Camp at Parassinikkadavu Snake Park & Zoo on behalf of World Heart Day on 29th September 2019.

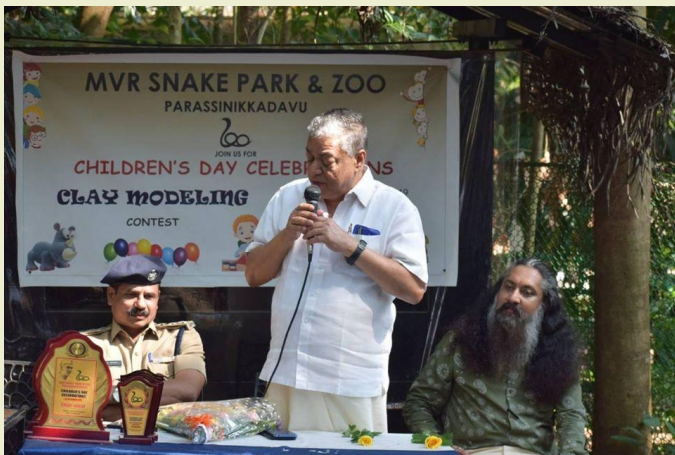
Snakebite Awareness -26th November 2019



On the context of sad demise of Shehla Sherin of Sarvajana school, Sulthan bathery due to snake bite in school premises; Mvr snake park & Zoo decided to call off the staff tour and to use the fund for conducting awareness classes in schools. The snake park crew played a skit in Higher school in Naduvil regarding the snake bite and first aid to be provided during such emergencies. Snake Park CEO Mr. Avinash Girija, Veterinary Officer Dr. Anju Mohan S and Naduvil Higher Secondary School Principal Mr. Radhakrishnan addressed the gathering. Dr. Vineeth George, Assistant Professor and Chief Innovative Officer, MVR Ayurveda Medical College and Mr. Riyaz Mangad Educational Officer, Snake Park led the classes.

IMPORTANT EVENTS AND HAPPENINGS

Children's Day Celebration – 14th November, 2019



Parassinikkadavu Snake Park and Zoo celebrated Children's Day on November 14, 2019. Clay modeling contest was conducted at Amphibian theatre including students of age range 12-15. Shri. T. K. Rathnakumar DYSP Taliparamba inaugurated the program and prize distribution was done by Dr. Kunhiraman, Director, Parassinikkadavu Snake Park.

IMPORTANT EVENTS AND HAPPENINGS

Inauguration of Bottle Booth – 3rd January, 2020



Plastic bottle booths sponsored by Parassinikadavu snake park was inaugurated by Smt. Shyamala Teacher, Chairperson, Anthoor Municipality at Bakkalam and Snake Park

Steve Irwin Day- February 23rd 2020



Snake Park celebrated **Steve Irwin day**, Birthday of the crocodile hunter on 23rd
PARASSINIKADAVU SNAKE PARK & ZOO **ANNUAL REPORT 2019-2020**

February, 2020 along with the visitors.

IMPORTANT EVENTS AND HAPPENINGS

Visit of NCC candidates of AIATC, Ezhimala



NCC Cadets of AIATC 2020, Ezhimala led by Commander M. P. Ramesh (Commandant) and Lieutenant Arun R. K (Deputy Commandant) visited the Park

SEASONAL SPECIAL ARRANGEMENTS FOR UPKEEP OF ANIMALS

Summer Management:

- Cooling of animals by sprinkling water at warm hours of the day using sprinklers and showers
- Special diet: Including fruits which are rich in water content like Watermelon were added to the diet of Bonnet Macaque and Birds.
- Provisions like fan and cooler had been provided for various species



Monsoon Management:

- Additional covering is provided to prevent rainwater from entering the enclosures where ever it is necessary.
- Additional drainage is provided for proper draining of rainwater.
- Changes in diet are also made according to the monsoon season.



RESEARCH WORK CARRIED OUT AND PUBLICATIONS

Name of the Researcher	Title of the research	Name of the institution	Year
NIL			

Our bundle of Joy

The following species were **successfully bred in captivity** in Parassinikadavu Snake Park and Zoo during 2019 - 2020



Indian Pond Terrapin



Common Krait



Russell's Viper



Common Rat Snake

No Animal acquisition / Transfer / Exchange happened during the year 2019 - 2020

RESCUE AND REHABILITATION OF WILD ANIMALS CARRIED OUT BY THE ZOO

No Rescue and rehabilitation of wild animals carried out by the Zoo during the year 2019 - 2020

PARASSINIKKADAVU SNAKEPARK & ZOO

Annual Inventory of Animals

2019-2020

(1st April, 2019 to 31st March, 2020)



(A unit of Pappinisseri Vishachikilsa Society No. S. 47 / 73)

Parassinikkadavu, Kannur, Kerala - 670 563

Phone: 0497 2780738; Mob: 9744611024; Fax: 0497 2783631

Email: mail@thesnakepark.com; Web: www.thesnakepark.com

1	Cat Jungle	<i>Felis chaus</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
2.	Civet Common Palm- Cat Toddy	<i>Paradoxurus hermaphroditus</i>	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
3.	Macaque Bonnet	<i>Macaca radiata</i>	12	8	0	20	0	0	1	0	0	0	0	0	0	1	2	0	12	6	0	18
	Total Mammals		17	9	0	26	0	0	0	0	0	0	0	0	0	1	0	0	16	7	0	23
	Total animals		77	42	80	199	0	0	0	0	0	0	0	0	0	9	7	5	105	72	12	189

6.	Snake Trinket	<i>Coelognathus helena</i>	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2		
7.	Snake Wolf Common	<i>Lycodon aulicus</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
8.	Viper Hump nosed pit	<i>Hypnale hypnale</i>	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	
9.	Terrapin Pond Trijuga	<i>Melanochelys trijuga trijuga</i>	5	8	11	24	0	0	0	0	0	0	0	0	0	0	0	15	9	0	24		
10.	Terrapin Red Eared	<i>Trachemys scripta elegans</i>	2	7	0	9	0	0	0	0	0	0	0	0	0	0	0	2	7	0	9		
11.	Tortoise Travancore	<i>Indotestudo travancorica</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1		
Total reptiles			22	30	20	72	0	0	0	0	0	0	0	0	0	2	2	0	35	33	0	68	
Mammals																							
1.	Porcupine Indian crested	<i>Hystrix indica</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	2
Total mammals			1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	2

ANNUAL INVENTORY (2019 – 2020)

S. No	Animal name	Scientific name	Opening stock as on 01-04-2018												Births			Acquisitions			Disposals			Death			Closing stock as on 31-03-2019		
Aquarium Species																													
1.	Red Parrot Fish	<i>Cichlasomatinae</i>	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4						
2.	Morph Fish	<i>Cichlidae</i>	6	6	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12						
3.	Black Ghost Knife	<i>Apteronotus albifrons</i>	1	3	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	4					
4.	Carp	<i>Cyprinidae</i>	0	8	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8					
5.	Black Shark	<i>Pangasiidae</i>	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5					
6.	White Shark	<i>Pangasiidae</i>	0	9	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9					
7.	Tiger Oscar	<i>Astronotus ocellatus</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1					
8.	Gold Fish	<i>Carassius auratus</i>	0	20	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20					
9.	Koi Carp	<i>Cyprinus carpio</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1					
10.	Angel Fish	<i>Pterophyllum</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1					
11.	Black Moor	<i>Carassius auratus</i>	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5					
12.	Flower Horn	<i>Cichlasomatinae</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1					
13.	Tetra Widow	<i>Gymnocorymbus ternetz</i>	0	7	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7					
14.	Neon Tetra	<i>Paracheirodon innesi</i>	0	28	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	28					
15.	Albino Piranha	<i>Serrasalmidae</i>	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0					

16.	Giant Gourami	<i>Osphronemus goramy</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
17.	Silver Arowana	<i>Osteoglossum bicirrhosum</i>	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
18.	Sucker Fish	<i>Echeneis naucrates</i>	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Total Aquarium Species			0	11		114	0	0	0	0	0	0	0	0	0	0	2	0	0	112	112	
Total animals			94	90	7	258	0	0	60	0	0	0	0	0	19	14	2	166	12	16	309	
Total animals in Snake Park and Zoo			12	94	9	188	372	0	0	60	0	0	0	0	19	14	4	16	127	128		
			6		0													6				

MORTALITY OF ANIMALS

PM. NO	Animal name	Scientific name	Sex	Date of death	Reason of death
1	Russell's Viper	<i>Daboia russelii</i>	M	21.04.2019	Anaemia
2	Rose Ringed Parakeet	<i>Psittacula krameri</i>	M	29.04.2019	Hepatitis
3	Russell's Viper	<i>Daboia russelii</i>	F	07.05.2019	Impaction
4	Albino Pirahna	<i>Serra almidae</i>	U	06.06.2019	Shock due to trauma
5	Albino Pirahna	<i>Serra almidae</i>	U	06.06.2019	Shock due to trauma
6	Checkered Keel Back	<i>Xenochrophis piscator</i>	M	09.07.2019	Pneumonia
7	Indian Rat snake	<i>Ptyas mucosa</i>	M	22.07.2019	Hepatitis
8	Indian Rock Python	<i>Python molurus</i>	M	02.08.2019	Liver cirrhosis
9	Marsh Crocodile	<i>Crocodylus palustris</i>	M	21.08.2019	Enteritis
10	Marsh Crocodile	<i>Crocodylus palustris</i>	M	21.08.2019	Enteritis
11	Rose Ringed Parakeet	<i>Psittacula krameri</i>	M	13.09.2019	Coccidiosis
12	Rose Ringed Parakeet	<i>Psittacula krameri</i>	M	13.09.2019	Coccidiosis
13	Russell's Viper	<i>Daboia russelii</i>	F	07.05.2019	Anaemia
14	Checkered Keel Back	<i>Xenochrophis piscator</i>	M	23.09.2019	Esophageal obstruction
15	Marsh Crocodile	<i>Crocodylus palustris</i>	M	02.10.2019	Anaemia
16	Indian Rock Python	<i>Python molurus</i>	M	02.08.2019	Liver cirrhosis
17	Russell's Viper	<i>Daboia russelii</i>	F	27.11.2019	Pneumonia
18	Russell's Viper	<i>Daboia russelii</i>	M	29.11.2019	Haemorrhagic enteritis
19	Indian Rock Python	<i>Python molurus</i>	F	08.12.2019	Impaction
20	Marsh Crocodile	<i>Crocodylus palustris</i>	F	30.12.2019	Bacterial enteritis

PM. NO	Animal name	Scientific name	Sex	Date of death	Reason of death
21	Rose Ringed Parakeet	<i>Psittacula krameri</i>	M	07.01.2020	Coccidiosis
22	Rose Ringed Parakeet	<i>Psittacula krameri</i>	M	07.01.2020	Climatic shock
23	Russell's Viper	<i>Daboia russelii</i>	M	10.01.2020	Anaemia
24	Marsh Crocodile	<i>Crocodylus palustris</i>	U	11.01.2020	Bacterial enteritis
25	Marsh Crocodile	<i>Crocodylus palustris</i>	U	12.01.2020	Bacterial enteritis
26	Indian Porcupine	<i>Hystrix indica</i>	F	28.01.2020	Old Age
27	Silver Pheasant	<i>Lophura nycthemera</i>	M	02.02.2020	Gastritis
28	Emu	<i>Dromaius novaehollandiae</i>	F	05.02.2020	Pneumonia
29	Bonnet Macaque	<i>Macaca radiata</i>	M	17.02.2020	Accidental death
30	Bonnet Macaque	<i>Macaca radiata</i>	F	22.02.2020	Pneumonia
31	Bonnet Macaque	<i>Macaca radiata</i>	F	28.02.2020	Impaction of stomach
32	Checkered Keel Back	<i>Xenochrophis piscator</i>	F	04.03.2020	Pneumonia
33	Checkered Keel Back	<i>Xenochrophis piscator</i>	F	09.03.2020	Anaemia
34	Rat Snake	<i>Ptyas mucosus</i>	F	13.03.2020	Impaction
35	Rat Snake	<i>Ptyas mucosus</i>	M	13.03.2020	Impaction
36	Common Krait	<i>Bungarus caeruleus</i>	M	14.03.2020	Anaemic shock
37	Common Krait	<i>Bungarus caeruleus</i>	F	26.03.2020	Esophageal obstruction

BIRTH OF ANIMALS

Sl. NO	Animal name	Scientific name	Sex	Date of Birth
1	Bonnet Macaque	<i>Macaca radiata</i>	U	04. 04. 2019
2	Russell's Viper	<i>Daboia russelii</i>	U	06.05.2019
3	Russell's Viper	<i>Daboia russelii</i>	U	06.05.2019
4	Russell's Viper	<i>Daboia russelii</i>	U	06.05.2019
5	Russell's Viper	<i>Daboia russelii</i>	U	06.05.2019
6	Russell's Viper	<i>Daboia russelii</i>	U	06.05.2019
7	Russell's Viper	<i>Daboia russelii</i>	U	06.05.2019
8	Russell's Viper	<i>Daboia russelii</i>	U	06.05.2019
9	Russell's Viper	<i>Daboia russelii</i>	U	06.05.2019
10	Russell's Viper	<i>Daboia russelii</i>	U	06.05.2019
11	Russell's Viper	<i>Daboia russelii</i>	U	06.05.2019
12	Russell's Viper	<i>Daboia russelii</i>	U	06.05.2019
13	Russell's Viper	<i>Daboia russelii</i>	U	06.05.2019
14	Russell's Viper	<i>Daboia russelii</i>	U	06.05.2019
15	Russell's Viper	<i>Daboia russelii</i>	U	06.05.2019
16	Russell's Viper	<i>Daboia russelii</i>	U	06.05.2019
17	Russell's Viper	<i>Daboia russelii</i>	U	06.05.2019
18	Marsh Crocodile	<i>Crocodylus palustris</i>	U	06.05.2019
19	Marsh Crocodile	<i>Crocodylus palustris</i>	U	06.05.2019
20	Marsh Crocodile	<i>Crocodylus palustris</i>	U	06.05.2019

Sl. NO	Animal name	Scientific name	Sex	Date of birth
21	Marsh Crocodile	<i>Crocodylus palustris</i>	U	24.05.2019
22	Marsh Crocodile	<i>Crocodylus palustris</i>	U	24.05.2019
23	Marsh Crocodile	<i>Crocodylus palustris</i>	U	24.05.2019
24	Marsh Crocodile	<i>Crocodylus palustris</i>	U	24.05.2019
25	Marsh Crocodile	<i>Crocodylus palustris</i>	U	24.05.2019
26	Marsh Crocodile	<i>Crocodylus palustris</i>	U	24.05.2019
27	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
28	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
29	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
30	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
31	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
32	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
33	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
34	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
35	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
36	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
37	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
38	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
39	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
40	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
41	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019

Sl. NO	Animal name	Scientific name	Sex	Date of birth
42	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
43	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
44	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
45	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
46	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
47	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
48	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
49	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
50	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
51	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
52	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
53	Indian Rock Python	<i>Python molurus</i>	U	01.06.2019
54	Indian Cobra	<i>Naja naja</i>	U	02.06.2019
55	Indian Cobra	<i>Naja naja</i>	U	02.06.2019
56	Indian Cobra	<i>Naja naja</i>	U	02.06.2019
57	Indian Cobra	<i>Naja naja</i>	U	02.06.2019
58	Indian Cobra	<i>Naja naja</i>	U	02.06.2019
59	Indian Cobra	<i>Naja naja</i>	U	02.06.2019
60	Indian Cobra	<i>Naja naja</i>	U	02.06.2019
61	Indian Cobra	<i>Naja naja</i>	U	02.06.2019

Sl. NO	Animal name	Scientific name	Sex	Date of birth
62	Indian Cobra	<i>Naja naja</i>	U	02.06.2019
63	Indian Rat snake	<i>Ptyas mucosa</i>	U	04.07.2019
64	Indian Rat snake	<i>Ptyas mucosa</i>	U	04.07.2019
65	Indian Rat snake	<i>Ptyas mucosa</i>	U	04.07.2019
66	Indian Rat snake	<i>Ptyas mucosa</i>	U	04.07.2019
67	Indian Rat snake	<i>Ptyas mucosa</i>	U	04.07.2019
68	Indian Rat snake	<i>Ptyas mucosa</i>	U	04.07.2019
69	Indian Rat snake	<i>Ptyas mucosa</i>	U	04.07.2019
70	Indian Rat snake	<i>Ptyas mucosa</i>	U	04.07.2019
71	Peafowl	<i>Pavo cristatus</i>	U	03-01-2020

COMPLIANCE WITH CONDITIONS STIPULATED BY THE CENTRAL ZOO AUTHORITY ASON EVALUATION ON 17TH NOVEMBER, 2017

Sl. No	Norm No.	Particulars	Time Period To Comply	Status
General requirements				
1	10.1 (3)	Failed to regulate the visitor's circulation at few animal enclosures in the zoo with specific reference to enclosure for Bonnet macaques. It should be ensured that visitor's path should not exceed 25% of the periphery of the enclosure. This is to ensure adequate withdrawal area to the animal.	Immediately	Complied We restricted the visitor's circulation at Bonnet Macaque enclosure by using chains. Gardening is done at the chained area to reduce the Visitor's path to prescribed standard. Hedge Plantation is also done so that adequate withdrawal area is available to the animal.
2	10.1(5)	Failed to ensure perimeter wall of prescribed standard. The perimeter wall is damaged and fallen at few places.	Immediately	Complied The damaged perimeter wall was reconstructed.
3	10.1 (7)	Failed in management of solid and liquid wastes generated in the zoo. It is poor. Thus affecting the general hygiene. Plastic and other wastes found strewn on the zoo campus. Compost unit started recently is an appreciable initiative. However, it is completely disproportionate to the quantity of waste generated. Huge dump of waste in such close proximity to animal enclosures is not acceptable.	Immediately	Complied Plastic wastes are collected weekly from the Anthoor municipality under the scheme 'Clean Anthoor Green Anthoor.' Organic waste management: Thumboormuzhi model compost unit is used for the removal of organic wastes. The wastes found strewn on the campus were removed. The incinerator is used for proper disposal of waste generated in the park.
4	10.1(9)	Housed domestic species (Turkey fowl, Geese, Swan, Guinea fowl, Pigeon) in the zoo	Immediately	Complied Removed domestic species housed in the zoo. Landscaping and gardening work had been done at the area where domestic birds were housed and currently the area is transformed into a garden where visitor's can relax.

COMPLIANCE WITH CONDITIONS STIPULATED BY THE CENTRAL ZOO AUTHORITY ASON EVALUATION ON 17TH NOVEMBER, 2017

Sl. No	Norm No.	Particulars	Time Period To Comply	Status
Development and Planning				
5	10.3(1)	Failed to submit masterplan for approval of the CZA	Three months	Complied Submitted Masterplan for the scrutiny of Central Zoo Authority
6	10.3 (3)	Furnished incorrect information in the approved Master (Layout) Plan of the proposed Rescue Centre as a satellite facility of the zoo is with plantation and no construction was observed. However, the Master (Layout) Plan of the Parassinikkadavu Snake Park (Rescue Centre), Kurumattur approved by Central Zoo Authority and signed on 28.05.2014 indicates otherwise. Index No. RQ 17 of the Layout Plan indicates presence of 'Existing Rescue Home'. The Zoo Operator should amend the Master (Layout) Plan of the proposed Rescue Centre following the Guidelines in the matter, indicating factual status. It should be forwarded through the Chief Wildlife Warden of the state to the Central Zoo Authority for approval.	Three months	To comply Amended the the Master (Layout) Plan of the proposed Rescue Centre and submitted for the scrutiny of CZA
7	10.3 (6)	Failed to prepare Animal Collection Plan based on the Concept Plan provided by the Central Zoo Authority in the Facilitation Workshop in year 2009 directing the Zoo operator to restrict the Animal Collection to Reptiles of the region.	Three months	Complied Animal Collection Plan is already prepared keeping in mind the concept plan provided by the Central Zoo Authority. We would like to keep the species currently in the collection as such and more reptiles are included in future collection plan and we have submitted the animal collection plan along with the master plan for approval from CZA.
8	10.3 (7)	The zoo has rescued animals for which it does not have infrastructure facility for housing, upkeep and Veterinary care.	Immediately	To comply Requested for post- facto approval from Central Zoo Authority.

9	10.3 (8)	Not reported to the Chief Wildlife Warden of the state and Central Zoo Authority regarding acquisition of animals pertaining to endangered species (Jungle Cat, Monitor Lizard, Trinket Snake, Peafowl, Silver Pheasant and Parakeets) by way of rescue.	Immediately	<p>To comply</p> <p>Requested for post- facto approval from Central Zoo Authority.</p>
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COMPLIANCE WITH CONDITIONS STIPULATED BY THE CENTRAL ZOO AUTHORITY ASON EVALUATION ON 17TH NOVEMBER, 2017

Sl. No	Norm No.	Particulars	Time Period To Comply	Status
Animal Housing , Display of Animals and Animal Enclosure				
10	10.4(2)	Failed to house animals in enclosures in conformity with design and dimension as specified by the CZA	Six months	To comply The Zoo will construct enclosures in conformity with design and dimension as specified by the CZA while executing Masterplan
11	10.4 (2)	Failed to separate the Visitor's path and Service path. Presently, most of the service area to animal enclosures is from visitor's path.	Six months	Complied Separate service path had been constructed
12	10.4(3)	Failed to ensure safety of animals, personnel involved in upkeep of animals and visitors. It is observed that service entry to animal enclosure is not locked in one case.	Immediately	Complied The service entries to animal enclosure are properly locked. All the enclosures is having separate lock and keys.
13	10.4(6)	Failed to provide natural enrichment to Bonnet macaques. Tin sheets and rubber tyres provided as enrichment in the enclosure.	Immediately	Complied Replaced the tin sheets and rubber tyres given as enrichment in the Bonnet macaque enclosure with natural materials like Bamboo, thick creepers & wooden logs.
14	10.4(7)	Failed to screen adjacent animal enclosures.	Immediately	Complied Most of the adjacent animal enclosures are screened by natural vegetation. The rest of the enclosures are screened by mesh and plantation.
15	10.4(8)	Failed to obtain approval from the CZA to drawing of enclosures for endangered species and housed animals in substandard enclosures to screen adjacent animal enclosures.	Six months	To comply The drawing of enclosures for endangered species and construction of enclosures as prescribed by CZA would be done ater the approval of the Masterplan.

16	10.4(9)	There is no stand- off barrier at enclosure for Python.	Immediately	<p>Complied</p> <p>The enclosure which was below the ground level was elevated to the surace and stand-off barrier had been constructed for the same.</p>
17	10.4(10)	Failed to provide signage at few enclosures.	Immediately	<p>Complied</p> <p>New signage boards describing the names in different languages had been erected at the enclosures.</p>

COMPLIANCE WITH CONDITIONS STIPULATED BY THE CENTRAL ZOO AUTHORITY ASON EVALUATION ON 17TH NOVEMBER, 2017

Sl. No	Norm No.	Particulars	Time Period To Comply	Status
Upkeep and healthcare of animals				
18	10.5(2)	Failed to prepare and implement the Diet Schedule.	Immediately	Complied Diet Schedule for all the animals are prepared and implemented.
19	10.5(5)	Failed to prepare and implement the Schedule for disinfection of enclosures.	Immediately	Complied Schedule for disinfection of enclosures are prepared and implemented.
20	10.5(5)	Undeclared articles derived from wild animals (snake moults) are in possession of the Zoo in the Animal Supervisor's Office.	Immediately	Complied The articles were disposed from possession
21	10.5(8)	Failed to prepare and implement the Schedule for vaccination and other prophylactic measures.	Immediately	Complied Schedule for Vaccination and prophylactic measures are prepared and implemented
22	10.5(9)	Failed to screen staff involved in upkeep of animals against Zoonotic diseases.	Immediately	Complied Screened all the staffs of Parassinikkadavu Snake Park and Zoo for Zoonotic diseases.
23	10.5(10)	Records of the animals (Animal History Card, Keeper's Diary, Daily Report and Treatment Card) are not being maintained in format prescribed by the Central Zoo Authority.	Immediately	Complied Keeper's Diary, Daily Report and Treatment Card are maintained in the Parassinikkadavu Snake park are maintained in format prescribed by Central Zoo Authority.
24	10.5(11)	Not marked animals housed in the Zoo.	Immediately	To Comply Phase by phase marking of animals will be done as per CZA norms
Veterinary and infrastructure facilities				
25	10.6(1b)	Veterinary infrastructure and manpower of the zoo is not in accordance with the norms applicable for a small category zoo.	Immediately	Complied Parassinikkaddavu Snake Park has complied the inadequancies in Veterinary and infrastructure facilities to function as a Small Zoo.
26	10.6(3)	No Quarantine Area and Isolation Ward in the zoo.	Immediately	Complied Constructed Isolation Ward for the animals to be isolated

27	10.6(3)	Post mortem Room, Treatment Room, Animal Supervisor's Room and Live animal feed are all at one place in a congested manner. Post mortem facility does not have provision for adequate sunlight.	Immediately	Complied Separate areas for Post mortem, Treatment and housing live animals for feed had been constructed.
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COMPLIANCE WITH CONDITIONS STIPULATED BY THE CENTRAL ZOO AUTHORITY ASON EVALUATION ON 17TH NOVEMBER, 2017

Sl. No	Norm No.	Particulars	Time Period To Comply	Status
Post-mortem and disposal of carcasses of animals				
28	10.7(2)	Post- mortem reports are in deviation from the format prescribed by the Central Zoo Authority. It should be adopted by the Zoo.	Immediately	Complied The Postmortem reports are maintained in the format prescribed by CZA
29	10.7(4)	Not designated animal carcass disposal area away from animal enclosures. Presently, animal carcass disposal is being done in a pit dug between two animal enclosures towards their rear barrier. Also the area is stinking. More efficient disposal method should be adopted without affecting cleanliness and hygiene	Immediately	Complied New carcass disposal area is constructed.
Acquisition and Breeding of Animals				
30	10.9 (1)	King cobra (1 male: 1 female) are not housed in viable group.	Immediately	Complied Male and Female King cobra are housed in same enclosure in viable group.
31	10.9 (4)	Not paired singly housed animals. It is observed that Barn owl, Fish owl, White necked stork, Red sand boa, Trinket snake, Common wolf snake and Travancore Tortoise are singly housed in the Zoo.	Six months	To comply The pairing of singly housed animals are under process
32	10.9 (6)	Displayed factually incorrect information to visitors. A Board with logo of CZA as well as the Zoo is displayed in the Zoo indicating Captive Breeding Project of King cobra. However, the CZA has not identified the Parassinikkadavu Snake Park either as Co-ordinating or as participating zoo for the purpose. It is informed during evaluation that the breeding is being carried out for display and not for re-stocking in the wild. The Zoo operator should ensure that factually correct information is provided to visitors.	Immediately	Complied The board mentioning 'Captive Breeding Project of King Cobra' had been removed.
Education and Outreach activities				

33	10.11 (2)	Physical handling of snakes is part of the educational activity undertaken by the zoo. Such sessions are being organized at regular interval in a day.	Immediately	Complied Physical handling of snakes is omitted from the educational activity of the Zoo.
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COMPLIANCE WITH CONDITIONS STIPULATED BY THE CENTRAL ZOO AUTHORITY ASON EVALUATION ON 17TH NOVEMBER, 2017

Sl. No	Norm No.	Particulars	Time Period To Comply	Status
Visitor's facilities				
34	10.12 (3)	Not provided ramps to facilitate the physically challenged among the visitor's to view animal enclosures.	Immediately	Complied Special assistance by means of Wheel chairs is made available for the physically challenged among visitors. All the enclosures are approachable by the physically challenged people.
Maintenance of Records and Submission of Inventory				
35	11.1	Not reported acquisition of Jungle cat, Monitor Lizard, Trinket snake, Peafowl, Silver pheasant and Parakeets in the Annual Inventory submitted to the Central Zoo Authority. Also, species housed in the Aquarium were not reported.	Immediately	To comply Requested for post- facto approval from Central Zoo Authority.
36	11.1	Not submitted Quarterly Inventory of animals for all four quarters during year 2017-2018 pertaining to endangered species, to the Central Zoo Authority.	Six months	Complied Submitted Quarterly Inventory reports and Annual reports or the year.

LIST OF FREE LIVING WILD ANIMALS WITHIN THE ZOO PREMISES

Mammals

Sl.No	Common name	Scientific name
1	Indian grey mongoose	<i>Herpestes edwardsii</i>
2	Asian house shrew	<i>Suncus murinus</i>
3	Brown rat	<i>Rattus norvegicus</i>
4	Indian palm squirrel	<i>Funambulus palmarum</i>

Reptiles

Sl.No	Common name	Scientific name
1	Common garden lizard	<i>Calotes versicolor</i>
2	Brahminy skink	<i>Mabuya carinata</i>
3	Bengal Monitor	<i>Varanus bengalensis</i>
4	Common vine snake	<i>Ahaetulla nasuta</i>
5	Buffstriped Keelback	<i>Amphiesma stolatum</i>
6	Common Rat Snake	<i>Ptyas mucosa</i>
7	Ornate flying snake	<i>Chrysopelea ornata</i>
8	Common Bronzeback Tree Snake	<i>Dendrelaphis tristis</i>

Aves

Sl.No	Common Name	Scientific name
1	House crow	<i>Corvus splendens</i>
2	Jungle crow	<i>Corvus macrorhynchos</i>
3	House Sparrow	<i>Passer domesticus</i>
4	Indian Robin	<i>Saxicoloides fulicatus</i>
5	White browed Wagtail	<i>Motacilla maderaspatensis</i>
6	Ashy Prinia	<i>Prinia socialis</i>
7	Cattle egret	<i>Bubulcus ibis</i>
8	Black Kite	<i>Milvus migrans</i>
9	Brahminy Kite	<i>Haliastur indus</i>
10	Barn Owl	<i>Tyto alba</i>
11	Rose ringed parakeet	<i>Psittacula krameri</i>
12	Coppersmith Barbet	<i>Psilopogon haemacephalus</i>
13	White throated kingfisher	<i>Halcyon smyrnensis</i>
14	Greater Coucal	<i>Centropus sinensis</i>
15	Spotted dove	<i>Spilopelia chinensis</i>



PARASSINIKKADAVU SNAKE PARK & ZOO

(A unit of Pappinisseri Vishachikilsa Society No. S. 47 / 73)

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