

PARASSINIKKADAVU SNAKE PARK & ZOO



ANNUAL REPORT

2018 - 2019



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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 exotic species.

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. Anju Mohan S.

Chief Supervisor : Mr. Sudhakaran T. V

Curator : Mr. L. Marinath

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

Owner / Operator of the Zoo

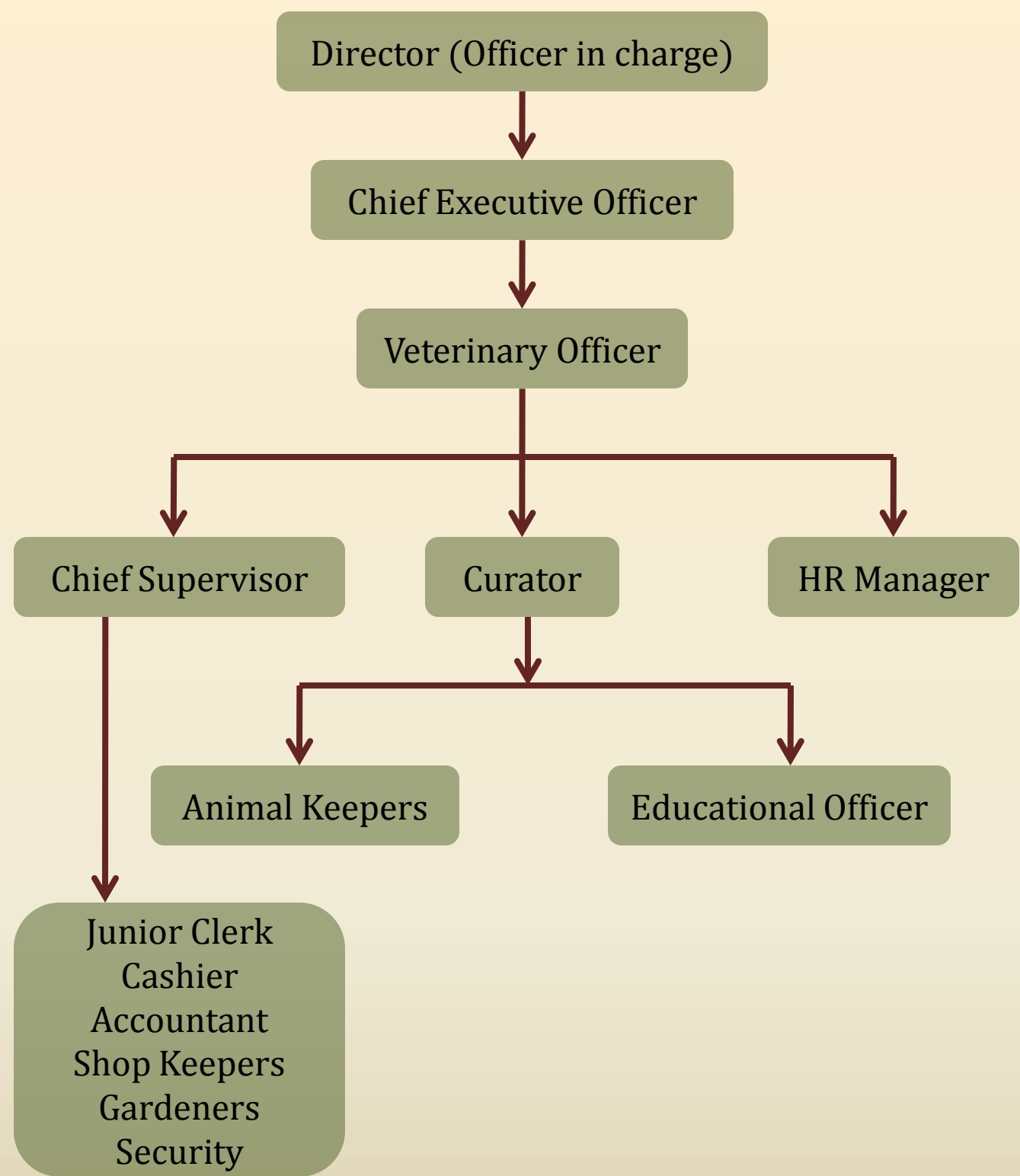
Name of the Operator : Prof. E. Kunhiraman , Director

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



Designation	Number of Sanctioned Posts	Names of the incumbent
Director	1	Prof. E. Kunhiraman
Chief Executive Officer	1	Mr. Avinash Giriya
Veterinary Officer	1	Dr. Anju Mohan S.
Chief Supervisor	1	Mr Sudhakaran T.V.
Curator	1	Mr. Marinath L.
H.R. Manager	1	Mrs. Bindu M.K.
Educational Officer	1	Mr. Riyaz M.
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
Mr. L. Marinath Curator	Middle Management Officials Training Programme	15.03.2019 to 16.03.2019	Red Fox Hotel, New Delhi	Central Zoo Authority



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. Anju Mohan S. (Veterinary Officer, Parassinikadavu Snake and Zoo)

7. Mr. Marinath L. (Curator, Parassinikadavu Snake and Zoo)

8. Mr. Muraleedharan A.K. (Principal, MVR Ayurveda Medical College, Parassinikkadavu)

Ex Officio

Dates on which Meetings held during the year:

- 19th April, 2018
- 21st July, 2018
- 25th October, 2018
- 20th January, 2019

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 Giriija (CEO, Parassinikadavu Snake and Zoo)

5. Dr. Anju Mohan S. (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:

- 18th June, 2018
- 3rd November, 2018
- 10th February, 2019

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 includes:

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

Veterinary Officers of following centers:

3. Museum and Zoo, Thiruvananthapuram
4. Kottor 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: 25th September, 2018

STATEMENT OF INCOME AND EXPENDITURE OF THE ZOO [2018 — 2019]

Total Income (₹) : 1,92,76,722 /-

Total Expenditure (₹) : 1,59,11,145 /-

Net Profit (₹) : 33,65,577 /-



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 alel)	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

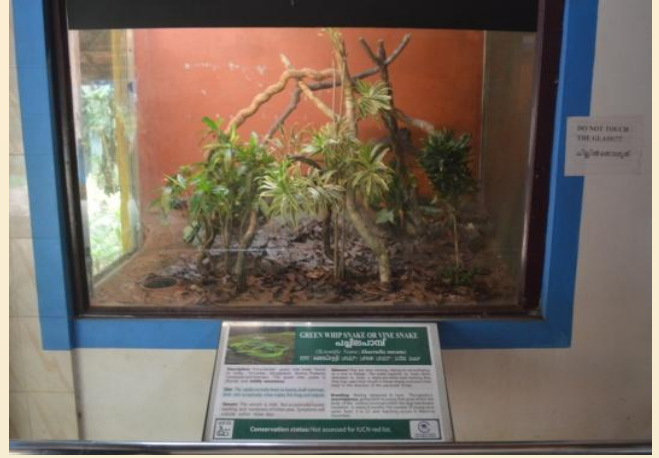
DISINFECTION SCHEDULE

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 Checkup for all employees was conducted on 13.07.2018 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)

Enclosure development works



Enrichment of snake enclosures



New Information boards



Updated description boards



New sign boards

Visitor amenity development works



New Lavatory Complex



Feeding room



Resting place for visitors



New Exit gate



Renovation of visitor's path

Beautification works



Logo and Vertical garden (at the entrance)



Butterfly Garden near Aviary



Rock tunnel (entrance to Snake House)



I Love Snake Park structure

Veterinary Infrastructure works



Post-Mortem room



Treatment room



Live feed area for rearing chickens



Animal housing development works




Service path

World Earth Day Celebration – April 22, 2018



Parassinikkadavu Snake Park & Zoo observed 'World Earth Day' by conducting 'Painting Competition' regarding the theme *Plastic Pollution*. A total of 54 students participated in various categories and prizes, certificate and mementos were given to the winners.

World Turtle Day Observance – May 23, 2018






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, 2018



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.

World Snake Day Observance – July 16, 2018




Parassinikkadavu Snake Park conducted a Workshop on **‘Conservation of Snakes and Snake bite treatment’** on **World Snake Day** July 16, 2018. Mr. Vivek Sharma (Conservationist, Founder of Indiansnakes organization) took seminar on ‘Different Snakes of India and its Conservation’. Students from Department of environmental studies, Kannur University attended the program





The students in videography discipline, C-DIT, Kannur (ITDP department, Government of Kerala) prepared a **documentary on snakes** as part of their curriculum





SNAKES: THEY ARE NOT KILLERS...



Dr. Anju Mohan S. (MVSc)
Veterinary Officer
Parassinikadavu Snake Park & Zoo
Kannur

Venue: St. Anne's English Medium School, Payyavoor, Kannur

An **awareness class** for students of different school is conducted at Science Exhibition organized by St. Anne's School, Payyavoor on 27th October, 2018



Wildlife Week Celebrations – 2nd to 7th October, 2018



Photography Exhibition was conducted on course of Wildlife Week Celebrations during first week of October

The Winners were given awards by
Smt. P.P. Divya, District Panchayat Vice President, Kannur in three different categories.

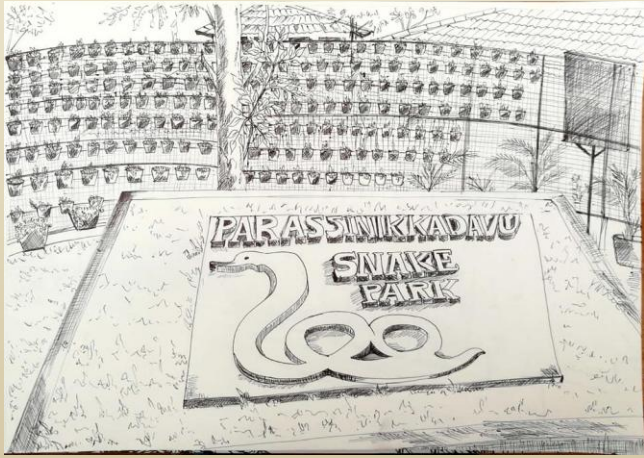
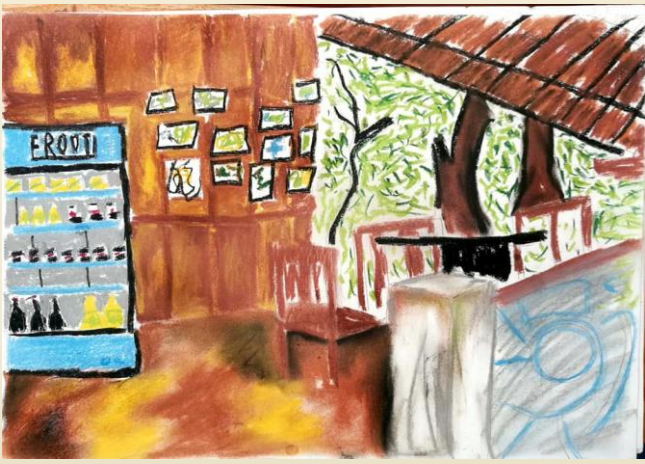
EDUCATION AND AWARENESS PROGRAMMES



Awareness classes were conducted for the NCC cadets of National Integration Camp [32 (K) Battalion, Payyannur]

EDUCATION AND AWARENESS PROGRAMMES

Project on introduction to social design conducted at Parassinikkadavu Snake Park and Zoo by students of National Institute of Fashion Technology (NIFT), Kannur



Wildlife Day Celebrations – 3rd March, 2019



A **Wildlife Quiz Program** open for the visitors was conducted as part of World Wildlife Day on March 3, 2019. A description of different wildlife species was also given educating the public



An **awareness program** were conducted for the visitors on breeding of King Cobra in Captivity



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
ഊഴജന്തുക്കളെ കാണുന്ന
സാഹചര്യം വന്നാൽ താഴെ
പറയുന്ന ഫോൺ നമ്പറുകളിൽ
ബന്ധപ്പെടാവുന്നതാണ്.

•അവയെ
കൊല്ലാതിരിക്കുകഅവയുടെ
ജീവനും വിലപ്പെട്ടതാണ്.

•നിങ്ങൾ രല്ലിക്കൊല്ലുന്ന ജീവികൾ
ഈ സാഹചര്യത്തിൽ അഴുകി
ഗുരുതരമായ
ആരോഗ്യപ്രശ്നങ്ങൾക്ക്
കാരണമാകാം.

•വിഷമുള്ള പാമ്പാണോ എന്ന്
സംശയം ഉള്ളവർക്കും whatsapp
സേവനം ഉപയോഗിക്കാം.

CONTACT US:
9400399000
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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 2018 in collaboration with Forest department of Kerala. The team rescued the snakes and released them away from human settlements



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

Fifa world cup prediction contest



Football prediction contest was conducted on course of Fifa World Cup 2018. Prizes had been distributed to the winners in five categories.



IMPORTANT EVENTS AND HAPPENINGS

Children's Day Celebration – 14th November, 2018



Parassinikkadavu Snake Park and Zoo celebrated **Children's Day** on November 14, 2018 with the children from Kuttikol LP School, Kannur



IMPORTANT EVENTS AND HAPPENINGS

Steve Irwin Day Observance – 15th November, 2018



Snake park celebrated **Steve Irwin day** (An International and annual event honouring the life and legacy of the one and only crocodile hunter Stephen Robert Irwin) on 15th November, 2018 along with the visitors.



A visit from an old age home, Azheekode, Kannur district



Christmas day Celebration

IMPORTANT EVENTS AND HAPPENINGS



‘Brennen folks’ from Brennen college, Kannur celebrated their **get together** by visiting the Park. An awareness class had been given about various species of Parassinikkadavu Snake Park and Zoo



Celebrities Padmashri. Lakshmi kutty amma and an actor Raghavan visited the park

Observance of NCC Day – 15th January, 2019



Observance of NCC Day

An awareness class had been conducted for 195 cadets belonging to 16 directorates of NCC all over India on NCC Day January 15, 2019.



Tourists from Germany visited the park and an awareness class had been conducted explaining different species of animals

IMPORTANT EVENTS AND HAPPENINGS

Zoo Day Celebration – 23rd February 2019



Parassinikkadavu Snake Park & Zoo celebrated its family get together along with the Special guests, Research Scientist from Adventist University of Health Sciences, USA.



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
Ms. Megha P.	A study on checking efficiency of Thumburmoozhi model aerobic compost unit of Parassinikkadavu Snake Park.	Department of Environmental Studies, Kannur University Campus, Mangattuparamba - 670567	2018
Ms. Athira M.	Screening of <i>Python molurus</i> species of Parassinikkadavu Snake Park for gastrointestinal endoparasites.	Department of Environmental Studies, Kannur University Campus, Mangattuparamba - 670567	2018
Mr. Deepan Kumar R.	Proposal for a herpetology Research Center and Conservation of Reptiles in Viper Island, Andaman and Nicobar Island	McGAN'S Ooty school of architecture, Perar, Kotagiri Road, Ooty	Ongoing

Our bundle of Joy

The following species were **successfully bred in captivity** in Parassinikadavu Snake Park and Zoo during 2018 - 2019



Indian Pond Terrapin



Common Krait



Russell's Viper



Common Rat Snake



King Cobra



Checkered Keelback

ANIMAL ACQUISITION / TRANSFER / EXCHANGE

No Animal acquisition / Transfer / Exchange happened during the year 2018 - 2019

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 2018 - 2019

PARASSINIKKADAVU SNAKE PARK & ZOO

Annual Inventory of Animals

2018-2019

(1st April, 2018 to 31st March, 2019)



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

Parassinikkadavu, Kannur, Kerala - 670 563

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Endangered Species

S. No	Animal name	Scientific name	Opening stock as on 01-04-2018				Births			Acquisitions			Disposals			Death			Closing stock as on 31-03-2019			
Birds			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
1.	Peafowl	Pavo cristatus	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Total birds			1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Reptiles																						
1.	Cobra King	Ophiophagus hannah	1	1	0	2	3	1	0	0	0	0	0	0	0	3	1	0	1	1	0	2
2.	Cobra Indian	Naja naja	12	5	0	17	0	0	0	0	0	0	0	0	0	0	0	0	12	5	0	17
3.	Python Indian rock	Python molurus	12	7	0	19	0	0	0	0	0	0	0	0	0	1	0	0	11	7	0	18
4.	Viper Russell's	Daboia russelii	2	3	0	5	0	0	21	0	0	0	0	0	0	0	0	7	2	3	14	19
5.	Keel back Checkered	Xenochrophis piscator	7	3	0	10	0	0	31	0	0	0	0	0	0	1	0	0	6	3	31	40
6.	Crocodile Marsh (Mugger) Monitor	Crocodylus palustris	21	5	0	26	0	0	0	0	0	0	0	0	0	0	0	0	21	5	0	26
7.	Lizard/ Common Indian	Varanus bengalensis	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Total reptiles			56	25	0	81	3	1	52	0	0	0	0	0	0	5	0	7	54	25	45	124
Mammals																						
1	Cat Jungle	Felis chaus	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
2.	Civet Common Palm- Cat Toddy	Paradoxurus hermaphroditus	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
3.	Macaque Bonnet	Macaca radiata	13	8	0	21	0	0	0	0	0	0	0	0	0	1	0	0	12	8	0	20
Total Mammals			17	9	0	26	0	0	0	0	0	0	0	0	0	1	0	0	16	9	0	25
Total animals			74	35	0	109	3	1	52	0	0	0	0	0	0	6	1	7	71	35	45	151

Other than endangered Species

S. No	Animal name	Scientific name	Opening stock as on 01-04-2018												Births								Acquisitions				Disposals				Death				Closing stock as on 31-03-2019			
			M	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T														
Birds			M	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T														
1.	Owl Barn	Tyto alba	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1														
2.	Owl Fish	Ketupa zeylonensis	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1														
3.	Kite Black	Milvus migrans	1	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	4														
4.	Kite Brahminy	Haliastur indus	4	0	5	0	0	2	0	0	0	0	0	0	0	0	0	0	0	4	1	2	7															
5.	Stork White neck	Ciconia episcopus	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1															
6.	Parakeet Rose Ringed	Psittacula krameri	16	0	25	0	0	0	0	0	0	0	0	0	0	0	2	0	0	14	9	0	23															
7.	Love Birds	Agapornis	3	0	8	0	0	5	0	0	0	0	0	0	0	0	0	0	3	5	5	13																
8.	Pheasant Silver	Lophura nycthemera	1	0	2	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	2																
9.	Emu	Dromaius novaehollandiae	2	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	6																
Total birds			28	0	51	0	0	9	1	1	0	0	0	0	2	0	0	26	23	9	58																	
Reptiles																																						
1.	Snake Rat Dhaman	Ptyas mucosus	10	0	17	0	0	6	0	0	0	0	0	0	0	1	0	0	9	7	6	22																
2.	Krait Common Indian	Bungarus caeruleus	1	0	3	0	0	4	0	0	0	0	0	0	0	0	0	1	1	2	3	6																
3.	Sand Boa Red	Eryx johnii	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1																
4.	Sand boa Common	Gongylophis conicus	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2																
5.	Snake Green Whip	Ahaetulla nasuta	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2																
6.	Snake Trinket	Coelognathus helena	1	0	3	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	2																	
7.	Snake Wolf Common	Lycodon aulicus	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1																
8.	Viper Hump nosed pit	Hypnale hypnale	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2																
9.	Terrapin Pond Trijuga	Melanochelys trijuga trijuga	5	0	13	0	0	11	0	0	0	0	0	0	0	0	0	5	8	11	24																	
10.	Terrapin Red Eared	Trachemys scripta elegans	2	0	9	0	0	0	0	0	0	0	0	0	0	0	0	2	7	0	9																	
11.	Tortoise Travancore	Indotestudo travancorica	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1																	
Total reptiles			23	0	54	0	0	21	0	0	0	0	0	0	1	1	1	22	30	20	72																	
Mammals																																						
1.	Porcupine Indian crested	Hystrix indica	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3																
Total mammals			1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3																

S. No	Animal name	Scientific name	Opening stock as on 01-04-2018												Deaths	Closing stock as on 31-03-2019						
			Births		Acquisitions		Disposals															
Aquarium Species																						
1.	Red Parrot Fish	Cichlasomatinae	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4		
2.	Morph Fish	Cichlidae	0	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12		
3.	Black Ghost Knife	Apteronotus albifrons	0	7	7	0	0	0	0	0	0	0	0	0	0	0	2	0	5	5		
4.	Carp	Cyprinidae	0	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8		
5.	Black Shark	Pangasiidae	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5		
6.	White Shark	Pangasiidae	0	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9		
7.	Tiger Oscar	Astronotus ocellatus	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1		
8.	Gold Fish	Carassius auratus	0	21	21	0	0	0	0	0	0	0	0	0	0	1	0	0	20	20		
9.	Koi Carp	Cyprinus carpio	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1		
10.	Angel Fish	Pterophyllum	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1		
11.	Black Moor	Carassius auratus	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5		
12.	Flower Horn	Cichlasomatinae	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1		
13.	Tetra Widow	Gymnocorymbus ternetz	0	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7		
14.	Neon Tetra	Paracheirodon innesi	0	29	29	0	0	0	0	0	0	0	0	0	0	1	0	0	28	28		
15.	Albino Piranha	Serrasalmidae	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2		
16.	Giant Gourami	Osphronemus goramy	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1		
17.	Silver Arowana	Osteoglossum bicirrhosum	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2		
18.	Sucker Fish	Echeneis naucrates	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2		
Total Aquarium Species			0	118	118	0	0	0	0	0	0	0	0	0	0	4	0	0	114	114		
Total animals			52	118	226	0	0	30	0	0	0	0	0	3	1	5	49	55	143	247		
Total animals in Snake Park and Zoo			126	118	335	3	1	82	0	0	0	0	0	9	2	12	120	90	188	398		

MORTALITY OF ANIMALS

PM. NO	Animal name	Scientific name	Sex	Date of death	Reason of death
1	Krait Common	Bungarus caeruleus	U	21.06.2018	Died soon after birth
2	Viper Russell's	Daboia russelii	U	04.07.2018	Died soon after birth
3	Viper Russell's	Daboia russelii	U	04.07.2018	Died soon after birth
4	Viper Russell's	Daboia russelii	U	04.07.2018	Died soon after birth
5	Viper Russell's	Daboia russelii	U	04.07.2018	Died soon after birth
6	Viper Russell's	Daboia russelii	U	04.07.2018	Died soon after birth
7	Viper Russell's	Daboia russelii	U	04.07.2018	Died soon after birth
8	Viper Russell's	Daboia russelii	U	04.07.2018	Died soon after birth
9	Cobra King	Ophiophagus hannah	M	19.09.2018	Due to toxaeamia from undigested feed materials
10	Cobra King	Ophiophagus hannah	F	23.09.2018	
11	Rat snake Indian	Ptyas mucosa	M	25.09.2018	Due to anaemic shock
12	Cobra King	Ophiophagus hannah	M	06.10.2018	Due to toxaeamia
13	Snake Trinket	Coelognathus helena	F	08.10.2018	Due to shock (Parasitic load)
14	Cobra King	Ophiophagus hannah	M	11.10.2018	Due to auto-intoxication
15	Python Indian Rock	Python molurus	M	02.12.2018	Oesophageal obstruction
16	Gold Fish	Carassius auratus	U	02.01.2019	Bacterial enteritis
17	Parakeet Rose Ringed	Psittacula krameri	M	05.01.2019	Due to coccidiosis
18	Parakeet Rose Ringed	Psittacula krameri	M	07.01.2019	Due to coccidiosis
19	Macaque Bonnet	Macaca radiate	M	17.02.2019	Due to impaction of stomach
20	Neon Tetra	Paracheirodon innesi	U	24.02.2019	Due to dropsy
21	Keel Back Checkered	Xenochrophis piscator	M	26.02.2019	Pneumonia
22	Black Ghost Knife	Apteronotus albifrons	U	28.03.2019	Due to shock (pH variation)
23	Black Ghost Knife	Apteronotus albifrons	U	28.03.2019	Due to shock (pH variation)

COMPLIANCE WITH CONDITIONS STIPULATED BY THE CENTRAL ZOO AUTHORITY AS ON 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 AS ON 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	To comply Requested for post- facto approval from Central Zoo Authority.

COMPLIANCE WITH CONDITIONS STIPULATED BY THE CENTRAL ZOO AUTHORITY AS ON 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	Complied The enclosure which was below the ground level was elevated to the surace and stand-off barrier had been constructed for the same.
17	10.4(10)	Failed to provide signage at few enclosures.	Immediately	Complied New signage boards describing the names in different languages had been erected at the enclosures.

COMPLIANCE WITH CONDITIONS STIPULATED BY THE CENTRAL ZOO AUTHORITY AS ON 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 implemeted.
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 rom 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.

COMPLIANCE WITH CONDITIONS STIPULATED BY THE CENTRAL ZOO AUTHORITY AS ON 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 andd 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.

COMPLIANCE WITH CONDITIONS STIPULATED BY THE CENTRAL ZOO AUTHORITY AS ON 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 patakeet	<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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