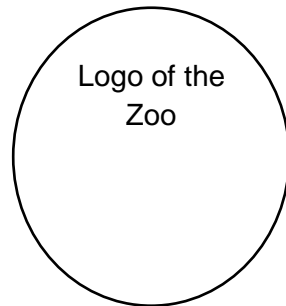


Kaprikkad Mini Zoo

Annual Report for the year
2017-18



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1. Report of the Officer-in-charge

The Assistant Conservator of Forests, Nature Study Centre, Kalady is the officer in charge of the Kaprikkad Mini Zoo. The master layout plan of the Kaprikkad mini zoo is approved by the Central Zoo Authority and intimated vide letter no: F.NO.19-223/93-CZA (143)(Vol.1)(M)/44394 dtd. 21.02.2014. The master plan for the Kaprikkad Mini Zoo was already prepared and submitted and was placed before the CZA. The CZA examined the master plan and directed to revise the master plan as per the observations made by them. The modified master plan for Kaprikkad mini zoo is submitted to CZA by the Chief Wildlife Warden of Kerala vide letter No. WL (3) -3345/12 dtd. 14.06.2018. As per the inspection of Sri. T. Ajaykumar, Evaluation and monitoring assistant CZA, a notice was issued to the Assistant Conservator of Forest, Kaprikkad Mini Zoo and hearing was conducted on 11.07.2018. In this hearing, Conservator of Forest, Social forestry, Central Region, Ernakulam represented the Zoo operators and presented the report on the evaluation and based on that a meeting was conducted by the Conservator of forest and has given directions to the concerned authorities and necessary steps are already taken to fulfil the direction of the Central Zoo Authority.

2. History of the Zoo

The Kaprikkad Mini Zoo was started by translocating animals from the erstwhile Wild Animal Rescue Centre, Kodanad as per the direction of CZA due to lack of space in the Wild Animal Rescue Centre, Kodanad. The erstwhile Kodanad Mini Zoo started functioning in 1980 by keeping rescued animals from various sources including the animals seized under Wildlife/Forest offences. Since 1980, these animals were being displayed to public with the aim to promote nature education and awareness towards wild animals. As per G.O (Rt) No. 272/93 dated 20.05.1993, the Mini Zoo was declared as Wildlife Rescue Centre, Kodanad and subsequently renamed as Wild Animal Rescue Centre (WARC), Kodanad. This Mini Zoo has been functioning within an area of one acre. In 1998, the Central Zoo Authority (CZA) opined to close it, in view of the enabling provisions of Wildlife (Protection) Act, 1972 stating that the Mini zoo was not having the required space and enclosures were not designed as per the guidelines issued by CZA. The Central Zoo Authority denied the recognition of the Wild Animal Rescue Centre, Kodanad and directed to stop the operations of the centre. The main reason for denying the recognition was that the space at present was not sufficient for keeping these animals. The Central Zoo Authority (CZA) stipulated that the Rescue and Rehabilitation Centre should be shifted to a larger area and the animals provided with scientifically designed housing and health care facilities vide letter No.19- 223/93-CZA (143)(M) dated 25.04.2007. It was also suggested that it may be developed as a centre for conservation education and captive breeding of endangered and endemic animals of Western Ghats.

Based on the recommendation of CZA the Forest Department shifted Wild animal rescue centre kodanad to the new location Kaprikkad Mini Zoo which is spacious and provides natural habitat to the animals.

3. Vision

- To provide nature education
- To provide awareness to general public about wild life
- To spread the message of conservation to the general public.
- Inspire communities to create environments where wildlife will thrive in our fast developing world.

4. Mission

- To ensure public support for conservation of wildlife and their natural habitat and to provide nature education.
- To develop scientific temper and compassion for animals.
- To inspire amongst zoo visitors empathy for wild animals

5. Objective

- To complement and strengthen the national efforts in conservation of the rich biodiversity of the country, particularly the wild fauna.
- To educate the general public about the necessity and importance of forest and wildlife.
- To spread the message of conservation for the very existence of human kind.
- Providing opportunities for scientific studies useful for conservation in general and creation of data base for sharing between the agencies involved in in-situ and ex-situ conservation.
- To infuse love and affection towards forests, wildlife and nature among the general public with special focus on children and youth, so as to enable them to fulfill constitutional obligations of every citizen to protect and safeguard forests, wildlife and other natural resources.

6. About us

S.No.	Particulars	Information
Basic Information about the Zoo		
1	Name of the Zoo	Kaprikkad Mini Zoo

2	Year of Establishment	2011
3	Address of the Zoo	Kaprikkad Mini Zoo Alattuchira P.O Kodanad , Perumbavoor Ernakulam Dist. 683544
4	State	Kerala
5	Telephone Number	0484-2468680
6	Fax Number	
7	E-mail address	acf.nsc.for@kerala.gov.in
8	Website	
9	Distance from nearest:	Airport: 20 Km (Nedumbassery)
		Railway Station: 25 km (Aluva)
		Bus Stand: 13 km (Perumbavoor)
10	Recognition Valid upto (Date)	05.05.2017. Application submitted for renewal beyond 05.05.2017
11	Category of zoo	Mini Zoo
12	Area (in Hectares)	14.29 Ha
13	Number of Visitors (Financial Year)	Adult : 160210
		Children : 26186
		Students: 11365
		Total Indian : 197761
		Foreigners : 3405
		Total Visitors: 201166

14	Visitors' Facilities Available in Zoo	Resting places, Drinking Water, Toilet Pathways, Sign boards etc.
15	Weekly Closure Day of the Zoo	Monday
Management Personnel of the zoo		
16	Name with designation of the Officer in-charge	Baby Sajan
	Name of the Veterinary Officer	Dr. Fiji Fernadinant Francis
	Name of the Curator	Ms Anisha Siddhik
	Name of the Biologist	
	Name of the Education Officer	S.Vikramdas
	Name of the Compounder/ Lab Assistant	
Owner / Operator of the Zoo		
17	*Name of the Operator	Assistant Conservator of Forest ,Nature Study Centre, Kalady
18	Address of the Operator	Assistant Conservator of Forest, Nature Study Centre, Kalady
19	Contact details/Phone number of Operator	0484-2468680
20	E-mail address of Operator	acf.nsc.for@kerala.gov.in

* Rule 2(m) of the Recognition of Zoo Rules, 2009.

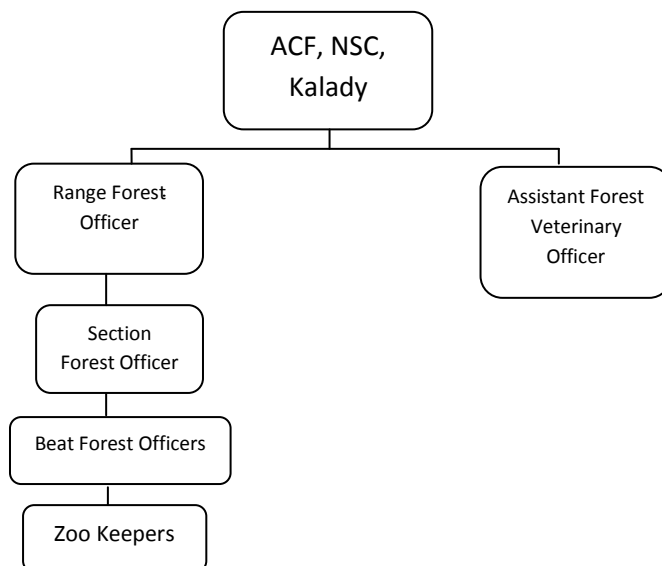
"Zoo Operator" means the person who has ultimate control over the affairs of the zoos provided that _____

I. in the case of a firm or other association of individuals, any one of the individual partners or members thereof; or

II. in the case of a company, any director, manager, secretary or other officer, who is in-charge of and responsible to the company for the affairs of the zoo; or

III. In case of zoo owned or controlled by the Central Government or any State Government or Union Territory Administration or any Trust or Society funded by the Central Government or a State Government or a Union Territory Administration, the Secretary of the concerned Department of that Government, or as the case may be the Union Territory Administration, shall be deemed to be the Zoo Operator.

7. Organizational Chart



8. Human Resources

Manpower of the Zoo*

Sl.No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1	Assistant Conservator of Forests	1	Baby Sajan
2	Range Forest Officer	1	Anisha Siddhik
3	Section Forest Officer	1	S.Vikram Das
4	Beat Forest Officer	3	Jestin Joseph
5			Ajeesh.M.U.
6			M.N. Sreekumar
7	Animal Keepers	4	Saji Gopinath
8			T.N. Babu
9			Varghese.P.K
10			Thomas.P.P

9. Capacity Building of zoo personnel

Sl.No.	Name and designation of the zoo personnel	Subject matter of Training	Period of Training	Name of the Institution where the Training attended

10. Zoo Advisory Committee –

a. Date of constitution:

b. Members:

Principal Chief Conservator of Forests (Wildlife) and Chief Wildlife Warden, Kerala	Chairman
Assistant wildlife Warden, Nature Study Centre, Kalady	Member
Forest Veterinary Officer	Member
Assistant Forest Veterinary Officer	Member

c. Dates on which Meetings held during the year:

11. Health Advisory Committee–

a. Date of constitution: G.O.Rt No. 95/2018/F &WLD Dated 28.02.2018

b. Members:

Principal Chief Conservator of Forests (Wildlife) and Chief Wildlife Warden, Kerala	Chairman
Chief Forest Veterinary Officer	Member
Forest Veterinary Officer	Member
Forest Veterinary Officer of the concerned zoo	Member

c. Dates on which Meetings held during the year:

12. Statement of income and expenditure of the Zoo

- **Income during 2017-18** - Nil
- **Expenditure during 2017-18** - **17106831.00**

Sl. No.	Particulars	Amount
1	Cost of maintenance and upkeep of spotted deer during 2017-18	8419035.00
2	Cost of maintenance and upkeep of sambar deer during 2017-18	8687796.00
	TOTAL	17106831.00

13. Daily feed Schedule of animals

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
	Spotted deer	Cattle Feed	1.25 Kg	1.25 Kg	
		Green Gram	300 gm	300 gm	
		Mineral Mixture	20 gm	20 gm	
		Salt	10 gm	10 gm	
		Grass	4 Kg	4 Kg	
		Tree Fodder	6 Kg	6 Kg	
	Sambar deer	Cattle Feed	1.5 Kg	1.5 Kg	
		Green Gram	350 gm	350 gm	
		Mineral Mixture	30 gm	30 gm	
		Salt	15 gm	15 gm	
		Grass	5 Kg	5 Kg	
		Tree Fodder	8 Kg	8 Kg	

14. Vaccination Schedule of animals

Sl.No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
1.	Artiodactyla/Ruminantia (Deer. Antelope)	FMD	O,A,Asia I	Every Six months	October, April
2.	Artiodactyla/Ruminantia (Deer. Antelope)	HS	K	Annually	August

15. De-worming Schedule of animals

Sl.No.	Species	Drug used	Month
1	Artiodactyla/Ruminantia (Deer. Antelope)	Fenbendazole	May, November

16. Disinfection Schedule

Sl.No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Artiodactyla/Ruminantia (Deer.)	Open enclosure with closed feeding	1. Potassium permanganate solution, Sodium Carbonate	Daily

	Antilope)	and treatment space	powder high pressure water sprays, bleaching powder. 2. Foot dips at the older entries of the enclosures, all throughout inside the enclosures.	
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17. Health Check-up of employees for zoonotic diseases

Sl.No.	Name	Designation	Date of Health Check up	Findings of Health Check up
1	Saji Gopinath	Animal Keeper	19/06/2018	Free from zoonotic diseases
2	T.N. Babu		19/06/2018	Free from zoonotic diseases
3	Varghese. P.K.		22/06/2018	Free from zoonotic diseases
4	Thomas.P.P		19/06/2018	Free from zoonotic diseases

18. Development Works carried out in the zoo during the year

The followings works carried in Kaprikkad Mini Zoo during 2017-18

1. Additional drainage facilities implemented.
2. Maintenance of treatment room of animals.

19. Education and Awareness programmes during the year

- Conducted nature camp to school and college students.

20. Important Events and happenings

21. Seasonal special arrangements for upkeep of animals

Periodic vaccination and daily disinfection

22. Research Work carried out and publications

Nil

23. Conservation Breeding Programme of the Zoo

Nil

24. Animal acquisition / transfer / exchange during the year

Other than Endangered Species

S. No.	Animal Name	Scientific name	Opening Stock as on				Births		Acquisition			Disposal			Death			Closing Stock as on				
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
1	Spotted Deer	<i>Axis axis</i>	70	87	14	171	0	0	10	0	0	0	0	0	0	1	0	0	75	95	10	180
2	Sambar Deer	<i>Rusa unicolor</i>	58	71	18	147	0	0	15	0	1	0	0	0	1	3	0	65	79	15	159	

27. Mortality of animals

Sl.No.	Animal Name (with individual identification mark, if any)	Scientific Name	Sex	Date of Death	Reason of Death as per the Post-mortem report
1.	Sambar Deer	<i>Rusa unicolor</i>	Female	06.04.2017	Deep wound in the right side of stomach due to fight between animals
2.	Sambar Deer	<i>Rusa unicolor</i>	Female	08.05.2017	Deep wound in the left side of the stomach due to fight between animals
3.	Spotted Deer	<i>Axis axis</i>	Male	24.10.2017	Deep wound in the front shoulder due to fight between animals
4.	Sambar Deer	<i>Rusa unicolor</i>	Female	27.01.2018	Deep wound at the left shoulder joint due to fight between animals
5.	Sambar Deer	<i>Rusa unicolor</i>	Male	31.03.2018	Deep injury in the stomach due to fight between animals

28. Compliance with conditions stipulated by the Central Zoo Authority

Sl. No	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Status with regard to compliance of the conditions
1	10.1 (3)	The Zoo failed to regulate movement of visitors. It is observed that the visitors' path	With immediate effect	16.11.2017	It is submitted that the movement of visitors is regulated by controlling them in the Zoo area by

		exceeds 25% of the periphery of the enclosures			engaging staff and watchers. The total periphery of enclosure is 800 meters and the visitors' area is only for 150 meters which is less than 25% of the periphery of the enclosure.
2	10.1 (7)	Poor management of solid and liquid wastes generated in the zoo		16.11.2017	It is submitted that the solid and liquid waste generated in the zoo area is regularly removed. It is also submitted that soak pits with filtering system had been constructed after the inspection by CZA. Watchers deployed for the regular removal of waste in the zoo area and now the area is clean and well managed
3	10.3(1)	Relocated the Kodanad Mini Zoo to the Kaprikkad Mini Zoo and Rescue Centre without obtaining approval of the Master Plan. The zoo has been relocated to a Forest area, constructed enclosures for animals, shifted Spotted deer and Sambar, without any approval from the relevant authority.		28.04.2011	The Koadandu Mini Zoo and Rescue Centre was inspected by CZA during 1996 & 1997 and had informed the Forest Department that the Kodanadu Mini Zoo does not fulfill most of the provisions contained in the Recognition of Zoo Rules 1992 and CZA had not grant recognition. Since then the Forest Department had planned to shift the Zoo to Kaprikkad. Kerala Forest Department filed an appeal to the CZA for Re-recognition and relocation of the Kodanadu Mini Zoo to Kaprikkad and the appeal was placed before the 22 nd meeting of the CZA held on 27 th January 2009 and CZA had decided to grant recognition up to 31 st march 2012. Later on the recognition was renewed by

					<p>CZA many times up to 5th May 2017 after regular inspections of CZA team. It is also submitted that the Master lay out plan of Kaprikkad Mini Zoo was approved by CZA and intimated vide letter no. F.No.19-223/93-CZA(143)(Vol.I)(M)/4394 dated 21/02/2014. The new location ie. Kaprikkad Mini Zoo is very spacious and natural to the animals. The Master Plan prepared and submitted earlier which was placed before CZA for scrutiny. CZA examined the master plan and directed to revise the master plan as per their observation. The revised master plan is submitted to CZA by Chief Wildlife Warden of Kerala vide letter no. WL(3)-3345/12 dated 14/06/2018</p>
4	10.3(3)	<p>Eco-tourism Camp, Rescue Centre and Zoo are functioning together, The zoo has not submitted Master (Layout) Plan of the Kaprikkad Mini Zoo and Rescue Centre incorporating amendment suggested, for approval of the Central Zoo Authority. Also, not obtained necessary clearance under the provisions of the Forest (Conservation) Act,1980 for establishment of Kaprikkad Mini Zoo and Rescue Centre in</p>		28.04.2011	<p>The Eco tourism camp, rescue centre and zoo are functioning at different entities. The Eco tourism activities carried in the area is not making any obstacle for the functioning of the Zoo. The present functioning and management of Kaprikkad Mini Zoo is deliberated in detail in the Master Plan</p>

5	10.3(8)	<p>Reserve Forest</p> <p>Acquired 6 elephant (2 male: 4 female) by way of rescue However, not submitted report indicating source, legality of acquisition and infrastructure availability in the zoo for housing, upkeep and healthcare of rescued animals, to the Chief Wildlife Warden of the State and Central Zoo Authority.</p>		16.11.2017	<p>The rehabilitation centre for elephant is also functioning in a different area which houses orphaned and abandoned elephants. The release of the elephants to the wild is not possible. It is submitted that six elephants were shifted from Kodanad Elephant Camp to the Elephant Camp, Abhayaranyam, Kaprikkad during January 2016 as per the Order no. WL1-63093/2015 dated 4/1/2016 of Chief Wildlife Warden, Kerala. . The six elephants were obtained by the Forest Department by means of rescue and the elephant rehabilitation area is housed away from the zoo area.</p>
6	10.4(1)	<p>Constructed four enclosures, two each for Spotted deer and Sambar without approval of the Master (Layout) Plan and Master plan of the Zoo. It has been clearly specified by the Central Zoo Authority vide letter dated 28.04.2011 while renewal of recognition. No construction activity should be taken up by the Zoo Operator till approval of the Master Plan is obtained from the Central Zoo Authority.</p>		28.04.2011	<p>Kaprikkad Mini Zoo have four enclosures two each for spotted deer and sambar deer. The enclosures are well designed as per the guidelines of Central Zoo Authority and good healthcare and foods are provided to the inmates. The functioning of enclosures are detailed in the Master plan which is submitted to CZA by Chief Wildlife Warden of Kerala vide letter no. WL(3)-3345/12 dated 14/06/2018. The construction work carried in the Kaprikkad Mini Zoo is only maintenance nature which is inevitable for the day to day affairs of enclosures and for the health care of deers.</p>

7	10.4(2)	The Animal House and Kraal are located opposite to the visitors path, in case of enclosure for Sambar and Spotted deer, it is not in accordance with the Guildelines issued by the Central Zoo Authority		16.11.2017	The Kaprikkad Mini Zoo is designed as per the guidelines of CZA and also considering the geographical uniqueness of the area during the translocation of the Zoo. So the animal house and kraal are located in opposite of the path way and enclosure location is as such. It is submitted that necessary steps shall be taken to rectify the location of enclosures as per the instruction of CZA.
8	10.5(2)	Diet schedule is not prepared and implemented		16.11.2017	The diet schedule of animals housed at Kaprikkad Mini Zoo is suggested by the Forest Veterinary Officer. The diet schedule prescribed by the Veterinary Doctor is recorded in the Register and the food supply and diet of the animals regularly inspected by competent officers. Presently Government Of Kerala appointed Veterinary Doctors for the good health care of animals in various districts and camp. One Assistant Forest Veterinary Officer is appointed at Kaprikakd Mini Zoo for the whole time healthcare of animals. The diet schedule prescribed by the Veterinary Doctor is implemented and executed in the presence of the Assistant Veterinary officer in charge of Kapprikkad Mini Zoo.
9	10.5(5)	Failed to ensure safety of animals housed in the zoo. It is observed that the disinfectant in the footpath at entry to	With immediate effect	16.11.2017	The observation is rectified. The safety of animals ensured in the Kaprikkad Mini Zoo and regularly inspected.

		animal house is not evenly distributed			
10	10.5(5)	Schedule for disinfection of enclosures is not prepared and implemented.	With immediate effect	16.11.2017	The schedule for disinfection of enclosures is prepared by the Assistant Veterinary Doctor and implemented.
11	10.5(8)	Schedule for vaccination and other prophylactic measures is not prepared and implemented	With immediate effect	16.11.2017	Healthcare measures such as vaccination, medicine, proteins, health supplement etc. are provided to the animals as per the direction of the Assistant Veterinary Officer in the Kaprikkad Mini Zoo.
12	10.5(9)	Failed to screen staff involved in upkeep of animals against zoonotic diseases.	With immediate effect	16.11.2017	All staff engaged in the Zoo are screened and regularly checked for diseases.
13	10.5(10)	Records of the animals (Animal History Card, Keeper's Diary, Daily Report and Treatment Card) are not maintained in format prescribed by the Central Zoo Authority. Also, it is observed that records bear name of the facility different from the one recognition is sought.	With immediate effect	16.11.2017	Records are maintained as per the format prescribed by the CZA.
14	10.6(1b)	Veterinary infrastructure is not provided in the zoo in accordance with the Animal Collection	With immediate effect	16.11.2017	A Veterinary Doctor is appointed by the Forest Department for the daily care of animals in the Zoo. Necessary infrastructure is established for the veterinary hospital and equipments are kept for the treatment.
15	10.9(9)	Failed to adopt effective population control measures to control number of Spotted deer in the zoo already beyond its carrying capacity.	With immediate effect	16.11.2017	Necessary steps are taken to limit the number of animals as per the carrying capacity of the zoo and population control measures are strictly applied to limit the numbers.

16	11(1)	Not produced records pertaining to acquisition, birth, death and disposal of animals before and after relocation	With immediate effect	16.11.2017	Inventory records of the zoo are maintained and submitted annual inventory report timely up to 2017-2018. Further steps are taken to keep the records as per the direction of CZA.
17	38-I of the Wild Life Protection Act, 1972)	The Zoo Operator has acquired 6 elephants (2 male : 4 female without approval of the Central Zoo Authority)	With immediate effect	16.11.2017	The elephants were not shifted to the zoo. The elephant camp at Kaprikkad is a separate entity and is housed far from the zoo. Six elephants were shifted from Kodanad Elephant Camp to the Elephant Camp, Abhayaranyam, Kaprikkad during January 2016 as per the Order no. WL1-63093/2015 dated 4/1/2016 of Chief Wildlife Warden, Kerala.
18	38-I of the Wild Life Protection Act, 1972)	Not obtained approval of the Central Zoo Authority for the release of captive animals from old site in the wild. Also, denied any documentary evidence indicating details of animals released. The old site was under Malayattoor Forest Division, not under Nature Study Centre, Kalady	With immediate effect	16.11.2017	The functioning of the Kaprikkad Mini Zoo is as per guidelines of CZA and further necessary rectifications are carried as per the direction of the CZA team after their inspection and report. The population control measures is inevitable for the health care of the animals housed in the Zoo.
19	38-H(1) of the Wild Life Protection Act , 1972)	Old site of the zoo is operating as Rescue Centre(Wild Animal Rescue Centre, Kodanad(adjacent to play ground without obtaining approval of the Central Zoo Authority, in violation of the Section 38-H(1) of the Wild Life (Protection) Act, 1972. Animal (Bonnet macaques, Rose ringed parakeets, Indian Rock Python, Toddy cat, Mugger, Fresh water	With immediate effect	16.11.2017	The old site is no longer functioning as a zoo.

		turtle and domestic goat respectively) are housed in deplorable condition. Also, not provided details on source and legality of the acquisition of the wild animals housed in the Rescue Centre.			
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29. List of free living wild animals within the zoo premises

- **Mammals**
Squirrel, mongoose, hare
- **Birds**
Drongo, kingfisher, cormorants, egret, bulbul, grey hornbill, babblers
- **Reptiles**
Snakes, chameleon, monitor lizard

Assistant Conservator of Forests
Nature Study Centre, Kalady