

PRINCIPAL CHIEF CONSERVATOR OF FORESTS  
(WILDLIFE) & CHIEF WILDLIFE WARDEN, KERALA



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KFDHQ-3345/2012-CWW/WL3

Date: 19.10.2020

To

The Member Secretary,  
Central Zoo Authority.

Sir,

Sub: Kerala Forest & Wildlife Department - Submission of Annual Report quarterly inventory report of the Kaprikkad Mini Zoo, Kaprikkad, Kerala - reg.

Ref:

I am submitting herewith the Annual Report for the year of 2019-20 and first quarterly inventory report of the year 2020-21 of Kaprikkad Mini Zoo and Rescue Centre, Kaprikkad for favour of information and further action.

Yours faithfully

Encl: As above

Principal Chief Conservator of Forests (WL)  
& Chief Wildlife Warden, Kerala

# **KAPRIKKAD MINI ZOO**

**Annual Report for the year  
2019-20**



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## **1. Report of the Officer-in-charge**

Assistant Conservator of Forests, Nature Study Centre, Kalady is the officer in charge of 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)/443/94 dated 21.02.2014. The master plan for the Kaprikkad Mini Zoo was already prepared and submitted and was placed before the Central Zoo Authority. The Central Zoo Authority 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 Central Zoo Authority by the Chief Wildlife Warden of Kerala vide letter No.WL(3)-3345/12 dated 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 Forests, Kaprikkad Mini Zoo and hearing was conducted on 11.07.2018. In this hearing Conservator of Forests, Social Forestry, Central Region, Ernakulam represented the Zoo operators and presented the report on the evaluation. Further the Central Zoo authority had scrutinized the master plan of the Kaprikkad Mini Zoo and directions were given as per the letter No. F.No.19-223/93-CZA(143)(Vol.II)(PKR)/543/2019 dated 20.03.2019. Necessary steps were already taken to fulfil the directions given by the Central Zoo Authority.

## **2. History of the Zoo**

The 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 existing infrastructural facilities in terms of animal health care as well as the visitor amenities were far too inadequate and had to be improved on scientific lines. The major limitation has been the lack of adequate space at the existing site. 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.

Then the Forest Department shifted wild animal rescue centre Kodanad to the new location Kaprikkad Mini Zoo, which is spacious and provide natural habitat to the animals.

### **3. Vision**

To provide nature education and to provide awareness to general public about Wild life and to spread the message of conservation to the general public.

### **4. Mission**

To ensure public support for conservation of wildlife and their natural habitat through nature education and interpretation.

### **5. Objective**

To educate the general public about the necessity and importance of forest and wildlife conservation for the very existence of human kind.

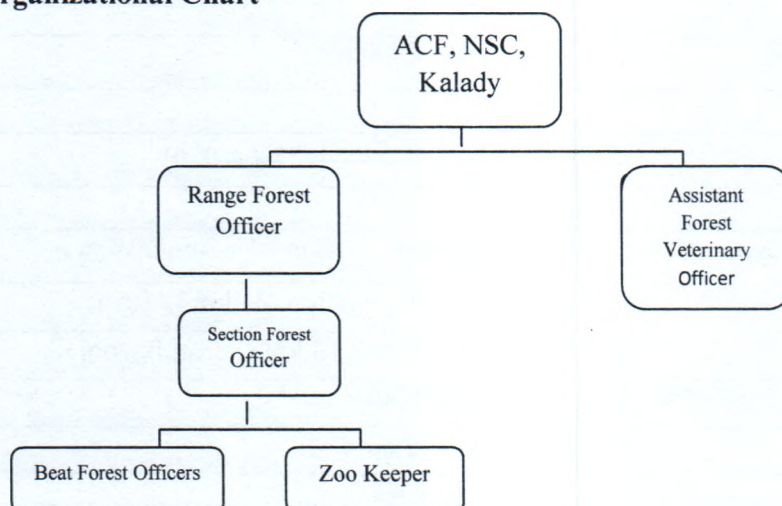
To infuse love and affection towards forests, wildlife and nature among the general public with special focus on children and youth, so as to enable them to fulfil constitutional obligations of every citizen to protect and safeguard forests, wildlife and other natural resources.

## 6. About us

| S.No.                                  | Particulars                                    | Information  |
|--|--|--|
| <b>Basic Information about the Zoo</b> |  |  |
| 1                                      | Name of the Zoo                                | Kaprikkad Mini Zoo   |
| 2                                      | Year of Establishment                          | 2011   |
| 3                                      | Address of the Zoo                             | Kaprikkad Mini Zoo<br>Alattuchira P.O<br>Kodanad , Perumbavoor<br>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)<br>Railway Station: 25 km (Aluva)<br>Bus Stand: 13 km (Perumbavoor)               |
| 10                                     | Recognition Valid upto (Date)                  | 27.09.2019   |
| 11                                     | Category of zoo                                | Mini Zoo   |
| 12                                     | Area (in Hectares)                             | 14.29 Ha   |
| 13                                     | Number of Visitors (2019-20)                   | Adult : 139855<br>Children : 20960<br>Total Indian : 160815<br>Total Foreigners : 2300<br>Total Visitors: 163115 |
| 14                                     | Visitors' Facilities Available in Zoo          | Resting places, Drinking Water, Toilet,<br>Parking area, Pathways, Sign boards etc..                             |
| 15                                     | Weekly Closure Day of the Zoo                  | Monday   |
| <b>Management Personnel of the zoo</b> |  |  |
| 16                                     | Name with designation of the Officer in-charge | K.A. Saju, Assistant Conservator of Forests  |
|  | Name of the Veterinary Officer                 | Dr. Acty George  |
|  | Name of the Curator                            | Anisha Siddhik   |
|  | Name of the Biologist                          |  |
|  | Name of the Education Officer                  | A.S.Vinayan  |
|  | Name of the Compounder/ Lab                    |  |

| Owner / Operator of the Zoo |                                 |  |
|-----------------------------|---------------------------------|--|
| 17                          | *Name of the Operator           | K.A. Saju  |
| 18                          | Address of the Operator         | Assistant Conservator of Forest,<br>Nature Study Centre Kalady,<br>Malayattoor.P.O., Ernakulam Dist<br>Kerala State. |
| 19                          | Contact details/Phone number of | 0484-2468680   |
| 20                          | E-mail address of Operator      | acf.nsc.for@kerala.gov.in  |

### 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                          | K.A. Saju              |
| 2      | Range Forest Officer             | 1                          | Anisha Siddhik         |
| 3      | Section Forest Officer           | 1                          | A.S.Vinayan            |
| 4      | Beat Forest Officer              | 3                          | Anoop Vasu.            |
| 5      |                                  |                            | Haseena.T.A.           |
| 6      |                                  |                            | Jithesh R Warriar      |
| 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 |
|--------|---|--|--------------------------|---|
| 1      | Saji Gopinath                             | Specialized theme based training programme | 18.03.2019 to 22.03.2019 | Nehru Zoological Park, Hyderabad                    |

### 10. Zoo Advisory Committee –

**a. Date of constitution:**

**b. Members**

|  |          |
|--|----------|
| Assistant Wildlife Warden, Nature Study Centre Kalady. | Chairman |
| Forest Veterinary Officer                              | Member   |
| Assistant Forest Veterinary Officer                    | Member   |
| Members of GramaPanchayath (Ward No.V,VI)              | Member   |

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

### 11. Health Advisory Committee–

**a. Date of constitution: 28.02.2018**

**b. Members:**

1. Principal Chief Conservator of Forests (Wildlife) and Chief Wildlife Warden Kerala
2. Chief Forest Veterinary Officer
3. Forest Veterinary Officer
4. Assistant Forest Veterinary Officer, Kaprikkad.



**c. Dates on which Meetings held during the year**

12.06.2019

05.06.2020

**12. Statement of income and expenditure of the Zoo**

**Income during 2019-20 - Nil**

**Expenditure during 2019-20 - 19300000.00**

| Sl. No. | Particulars   | Amount             |
|---------|---|--------------------|
| 1       | Cost of maintenance and upkeep of spotted deer during 2019-20 | 9500000.00         |
| 2       | Cost of maintenance and upkeep of sambar deer during 2019-20  | 9800000.00         |
|         | <b>TOTAL</b>  | <b>19300000.00</b> |

**13. Daily feed Schedule of animals**

| Sl.No. | Species      | Feed item       | Quantity |           |         |           | Day of fasting |
|--------|--------------|-----------------|----------|-----------|---------|-----------|----------------|
|        |              |                 | Winter   |           | Summer  |           |                |
|        |              |                 | Adult    | Sub adult | Adult   | Sub adult |                |
| 1      | Spotted Deer | Cattle Feed     | 1.25 Kg  | 1 kg      | 1.25 Kg | 1 kg      | Nil            |
|        |              | Green Gram      | 300 gm   | 200 gm    | 300 gm  | 200 gm    |                |
|        |              | Mineral Mixture | 20 gm    | 15 gm     | 20 gm   | 15 gm     |                |
|        |              | Salt            | 10 gm    | 5 gm      | 10 gm   | 5 gm      |                |
|        |              | Grass           | 4 kg     | 2 kg      | 4 kg    | 2 kg      |                |
|        |              | Tree Fodder     | 6 kg     | 3 kg      | 6 kg    | 3 kg      |                |
| 2      | Sambar Deer  | Cattle Feed     | 1.5 kg   | 1.30 kg   | 1.5 kg  | 1.30 kg   | Nil            |
|        |              | Green Gram      | 350 gm   | 250 gm    | 350 gm  | 250 gm    |                |
|        |              | Mineral Mixture | 30 gm    | 20 gm     | 30 gm   | 20 gm     |                |
|        |              | Salt            | 15 gm    | 10 gm     | 15 gm   | 10 gm     |                |
|        |              | Grass           | 5 kg     | 2.5 kg    | 5 kg    | 2.5 kg    |                |
|        |              | Tree Fodder     | 8 kg     | 4 kg      | 8 kg    | 4 kg      |                |

#### Diet Schedule of Spotted Deer during the whole year

| Sl.No. | Items           | Quantity/day |
|--------|-----------------|--------------|
| 1      | Cattle Feed     | 1.25 Kg      |
| 2      | Green Gram      | 300 gm       |
| 3      | Mineral Mixture | 20 gm        |
| 4      | Salt            | 10 gm        |
| 5      | Grass           | 4 kg         |
| 6      | Tree Fodder     | 6 kg         |

#### Diet Schedule of Sambar Deer during the whole year

| Sl.No. | Items           | Quantity/day |
|--------|-----------------|--------------|
| 1      | Cattle Feed     | 1.5 kg       |
| 2      | Green Gram      | 350 gm       |
| 3      | Mineral Mixture | 30 gm        |
| 4      | Salt            | 15 gm        |
| 5      | Grass           | 5 kg         |
| 6      | Tree Fodder     | 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/<br>Ruminantia<br>(Deer.<br>Antelope) | Open enclosure<br>with closed<br>feeding and<br>treatment space | 1. Potassium permanganate<br>solution, Sodium Carbonate<br>powder with high pressure<br>water sprays, bleaching<br>powder.<br>2. Foot dips at the entries of<br>the enclosures, all throughout<br>inside the enclosures. | Daily                     |

## 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 | 25.01.2020              | Free from zoonotic diseases |
| 2      | T.N. Babu      |               | 25.01.2020              | Free from zoonotic diseases |
| 3      | Varghese. P.K. |               | 25.01.2020              | Free from zoonotic diseases |
| 4      | Thomas.P.P     |               | 25.01.2020              | Free from zoonotic diseases |

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

The followings works carried in Kaprikkad Mini Zoo during 2019-20

- Strengthening of enclosures.

## 19. Education and Awareness programmes during the year

- Conducted nature camp to school and college students.

## 20. Important Events and happenings

- Environmental day celebration.
- Wildlife week celebration.

**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**

|    |                             |         |              |                    |                                 |
|----|-----------------------------|---------|--------------|--------------------|---------------------------------|
| A. | Animals arriving in the Zoo |         |              |                    |                                 |
|    | H.NO.                       | Species | Number (M:F) | From which Zoo     | Date of arrival in the zoo      |
|    |                             | Nil     | Nil          | Nil                | Nil                             |
| B. | Animals going from the zoo  |         |              |                    |                                 |
|    | H.NO.                       | Species | Number (M:F) | Going to which Zoo | Date of deposition from the zoo |
|    |                             | Nil     | Nil          | Nil                | Nil                             |

**25. Rescue and Rehabilitation of wild animals carried out by the Zoo**

| Sl.No. | Date of Rescue | Species with number of animals rescued with their sex (M:F:U:T) | Received from | Date of Submission of Report to the CWLW / CZA | Action taken                                      |  |
|--------|----------------|---|---------------|--|---|--|
|        |                |   |               |  | Date and Place of rehabilitation in their habitat | Reasons for housing in the zoo, if not released in their habitat |
|        | Nil            | Nil   | Nil           | Nil  | Nil   | Nil  |

## 26. Annual Inventory of animals

Form – II

Part – A

Inventory Report for the Year :

### 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 |
|       | NIL         |                 |                     |   |   |   |        |   |   |             |   |   |          |   |   |       |   |   |                     |   |   |   |

Part – B

### Other than Endangered Species

| S.No. | Animal Name  | Scientific name      | Opening Stock as on 01.04.2019 |    |    |     | 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>     | 67                             | 96 | 11 | 174 | 0      | 0 | 44 | Nil         | Nil | Nil | Nil      | Nil | Nil | 6     | 1 | 9 | 67                  | 104 | 31 | 202 |
| 2     | Sambar Deer  | <i>Rusa unicolor</i> | 61                             | 76 | 19 | 156 | 0      | 0 | 46 | Nil         | Nil | Nil | Nil      | Nil | Nil | 6     | 0 | 0 | 69                  | 91  | 36 | 196 |

## 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> | M   | 15.04.2019    | Deep wound in the stomach due to fight between animals |

|     |              |                      |   |            |  |
|-----|--------------|----------------------|---|------------|--|
| 2.  | Spotted Deer | <i>Axis axis</i>     | M | 18.05.2019 | Deep wound in the left side due to fight between animals                 |
| 3.  | Sambar deer  | <i>Rusa unicolor</i> | M | 17.06.2019 | Deep wound in the right side of the stomach due to fight between animals |
| 4.  | Spotted Deer | <i>Axis axis</i>     | M | 18.06.2019 | Natural death (Aged)   |
| 5.  | Spotted Deer | <i>Axis axis</i>     | M | 12.07.2019 | Natural death (Aged)   |
| 6.  | Spotted Deer | <i>Axis axis</i>     | M | 01.08.2019 | Deep wound in the stomach due to fight between animals                   |
| 7.  | Sambar deer  | <i>Rusa unicolor</i> | M | 12.10.2019 | Deep wound due to fight between animals                                  |
| 8.  | Spotted Deer | <i>Axis axis</i>     | M | 28.12.2019 | Deep wound in the fore leg and stomach due to fight between animals      |
| 9.  | Sambar deer  | <i>Rusa unicolor</i> | M | 07.01.2020 | Deep wound in the stomach due to fight between animals                   |
| 10. | Spotted Deer | <i>Axis axis</i>     | F | 09.01.2020 | Deep wound in the stomach due to fight between animals                   |
| 11. | Spotted Deer | <i>Axis axis</i>     | U | 22.01.2020 | Due to fight between animals   |
| 12. | Sambar deer  | <i>Rusa unicolor</i> | M | 28.01.2020 | Deep wound in the stomach due to fight between animals                   |
| 13. | Spotted Deer | <i>Axis axis</i>     | U | 04.02.2020 | Over stepping on the kid by other deers.                                 |
| 14. | Spotted Deer | <i>Axis axis</i>     | U | 06.02.2020 | Over stepping on the kid by other deers.                                 |
| 15. | Spotted Deer | <i>Axis axis</i>     | U | 08.02.2020 | Over stepping on the kid by other deers.                                 |
| 16. | Spotted Deer | <i>Axis axis</i>     | U | 08.02.2020 | Over stepping on the kid by other deers.                                 |
| 17. | Spotted Deer | <i>Axis axis</i>     | U | 17.02.2020 | Over stepping on the kid by other deers.                                 |
| 18. | Spotted Deer | <i>Axis axis</i>     | U | 21.02.2020 | Over stepping on the kid by other deers.                                 |
| 19. | Sambar deer  | <i>Rusa unicolor</i> | M | 28.02.2020 | Deep wound due to  |

|     |              |                  |   |            |  |
|-----|--------------|------------------|---|------------|--|
|     |              |                  |   |            | fight between animals                    |
| 20. | Spotted Deer | <i>Axis axis</i> | U | 03.03.2020 | Over stepping on the kid by other deers. |
| 21. | Spotted Deer | <i>Axis axis</i> | U | 17.03.2020 | Over stepping on the kid by other deers. |
| 22. | Spotted Deer | <i>Axis axis</i> | M | 25.03.2020 | Due to fight between animals             |

## 28. Compliance with conditions stipulated by the Central Zoo Authority

( vide letter No.F.No.19-223/93 CZA (143)(vol.II) (PKR) 53/2019 dated 09.01.2019)

| Sl. No                             | Norm No. under RZR, 2009 | Condition Stipulated   | Time Period to Comply | Since when pending                                     | Status with regard to compliance of the conditions  |
|------------------------------------|--------------------------|--|-----------------------|--|---|
| <b>1. General requirements</b>     |                          |  |                       |  |   |
| 1                                  | 10.1 (3)                 | The Zoo should regulate movement of visitors inside the Zoo. It is observed that the visitors' path in the Zoo exceeds 25% of the periphery of the enclosures. | With immediate effect | Violation observed during the evaluation on 16.11.2017 | It is submitted that the movement of visitors is regulated by controlling them in the Zoo area by Forest Department field 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)                 | The Zoo should control poor management of solid and liquid wastes generated in the zoo.  |                       | Violation observed during the evaluation on 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 are deployed for the regular removal of waste in the zoo area and now the area is maintained clean and well managed. |
| <b>2. Development and planning</b> |                          |  |                       |  |   |

|   |         |   |  |            |   |
|---|---------|---|--|------------|---|
| 3 | 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. The Zoo should obtain necessary clearance under the provisions of the Forest (Conservation) Act,1980 for establishment of Kaprikkad Mini Zoo and Rescue Centre in Reserve Forest.</p> |  | 28.04.2011 | <p>The Eco tourism camp and rescue centre cum zoo are functioning as different entities. The Eco tourism activities carried in the area is not making any obstacle for the functioning of the Zoo. Eco Tourism activities are taken up well outside the zoo area. The present functioning and management of Kaprikkad Mini Zoo is deliberated in detail in the Master Plan. The Master (Lay Out) Plan of the Kaprikkad Mini Zoo and Rescue centre incorporating the amendments suggested by the CZA for approval will be submitted soon. The total extend of reserve Forest in Kaprikkad area is 133.807 Ha, out of which an area of only 14.29 Ha is earmarked for Kaprikkad Mini Zoo and Rescue centre. As the ecotourism centre and wildlife rescue centre are functioning with the aim to create awareness and environmental education to the society, it may not be considered as a non forestry activity for the purpose of</p> |
|---|---------|---|--|------------|---|



|   |         |  |  |  |   |
|---|---------|--|--|--|---|
|   |         |  |  |  | getting clearance under Forest Conservation Act.  |
| 4   | 10.3(8) | Acquired 6 elephant (2 male: 4 female) by way of rescue. However, the Zoo has 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. The Zoo operator should stop immediately from indulging into such activity. |  | Violation observed during the evaluation on 16.11.2017 | The rehabilitation centre for elephant is also functioning as an elephant camp and is far away from the designated zoo area and is not part of the Kaprikkad Mini Zoo. This elephant camp houses orphaned and abandoned elephants only. The release of the elephants to the wild is not possible and they are man fed, since they were either in the elephant camp of department or was managed as captive elephant by private individuals. 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 only and the elephant rehabilitation area (elephant camp) is housed away from the zoo area. |
| <b>3. Animal housing, display of animals and animal enclosures.</b> |         |  |  |  |   |
| 5   | 10.4(1) | The zoo should not construct enclosures, two each for Spotted deer and Sambar without approval of the Master (Layout) Plan and Master  |  | 28.04.2011   | 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  |

|   |         |  |  |   |   |
|---|---------|--|--|---|---|
|   |         | <p>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> |  |   | <p>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. Only inevitable works of maintenance nature alone are carried out. It is also submitted that the Master (Layout) Plan of Kaprikkad Mini Zoo was approved by CZA and intimated vide letter No.F.No.19-223/93-CZA (143) (vol.1)(M)/4394 dated 21.02.2014. The new location i.e. Kaprikkad Mini Zoo is very spacious and natural to the animals.</p> |
| 6 | 10.4(2) | <p>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 .</p>  |  | <p>Violation observed during the evaluation on 16.11.2017</p> | <p>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. The Master (Layout) Plan of Kaprikkad Mini Zoo was scrutinized and recommended for approval by the expert group of zoo designing of the Central Zoo Authority held on 29<sup>th</sup> January 2014 (item.9). The new location i.e. Kaprikkad Mini Zoo is very spacious and natural to the animals.</p>   |

|   |         |   |  |  |   |
|---|---------|---|--|--|---|
|   |         |   |  |  | <p>Necessary steps shall be taken to relocate the visitor's path of enclosures subject to the availability of the funds. It is also submitted that the Master (layout) Plan of Kaprikkad Mini Zoo was approved by CZA and intimated vide letter No.F.No.19-223/93-CZA (143) (vol.1) (M) /4394 dated 21.02.2014. The new location i.e. Kaprikkad Mini Zoo is very spacious and natural to the animals.</p>   |
| <b>5.Upkeep and healthcare of animals</b> |         |   |  |  |   |
| 7   | 10.5(2) | Diet schedule should be prepared and implemented. |  | Violation observed during the evaluation on 16.11.2017 | <p>The diet schedule of animals housed at Kaprikkad Mini Zoo is prescribed by the Assistant Forest Veterinary Officer and is recorded in the Register. The food supply and diet of the animals regularly inspected by competent officers. Presently Government Of Kerala appointed Veterinary Doctor for the good health care of animals in the Zoo and is appointed with effect from 07.11.2017 at Kaprikkad Mini Zoo for the whole time healthcare of animals. A copy of the diet schedule prescribed by the veterinary Officer is attached as <b>Annexure I.</b></p> |

|    |         |   |  |  |   |
|----|---------|---|--|--|---|
| 8  | 10.5(5) | The zoo should ensure the safety of animals housed in the zoo. It is observed that the disinfectant in the footpath at entry to animal house is not evenly distributed. |  | Violation observed during the evaluation on 16.11.2017 | The safety of animals are ensured in the Kaprikkad Mini Zoo by engaging animal keepers and regular inspection by the Forest Officers. Depending on availability of funds surveillance camera also will be installed in the near future. |
| 9  | 10.5(5) | Schedule for disinfection of enclosures should be prepared and implemented.   |  | Violation observed during the evaluation on 16.11.2017 | Schedule for disinfection of enclosures is prepared by the Assistant Forest Veterinary Officer and implemented.   |
| 10 | 10.5(8) | Schedule for vaccination and other prophylactic measures should be prepared and implemented.  |  | Violation observed during the evaluation on 16.11.2017 | It is submitted that healthcare measures such as vaccination, medicine, proteins, health supplements, etc.. are provided to the animals as per the direction of the Assistant Forest Veterinary Officer in the Kaprikkad Mini Zoo.      |
| 11 | 10.5(9) | The staff involved in upkeep of animals should be screened against zoonotic diseases.   |  | Violation observed during the evaluation on 16.11.2017 | It is submitted that all staff engaged in the zoo are screened and regularly checked for zoonotic diseases.   |

|   |           |  |  |  |  |
|---|-----------|--|--|--|--|
| 12  | 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. |  | Violation observed during the evaluation on 16.11.2017 | It is submitted that records are maintained for the functioning of the Zoo and presently all records are maintained in the format of CZA.  |
| <b>6. Veterinary and Infrastructure facilities</b>                |           |  |  |  |  |
| 13  | 10.6(1.b) | Veterinary infrastructure at the zoo should be provided in accordance with the animal collection.  |  | Violation observed during the evaluation on 16.11.2017 | It is submitted that an Assistant Forest Veterinary Officer is appointed by the Forest Department for the daily care of animals in the Zoo. Necessary infrastructure is established for the veterinary hospital and necessary equipments are kept for the treatment of animals in the Zoo. |
| <b>9. Acquisition and breeding of animals</b>                     |           |  |  |  |  |
| 14  | 10.9 (9)  | The zoo should adopt effective population control measures to control no. of spotted deer in the zoo as it is already beyond its carrying capacity.  |  | Violation observed during the evaluation on 16.11.2017 | It is submitted that necessary steps are taken to limit the number of animals as per the carrying capacity of the Zoo. Steps will be taken to castrate/ translocate to wild environment after the rainy season observing proper veterinary care.   |
| <b>Rule 11 Maintenance of records and submission of inventory</b> |           |  |  |  |  |
| 15  | 11(1)     | The zoo should maintain records pertaining to acquisition, birth, death and disposal   |  | Violation observed during the evaluation on            | It is submitted that all deers in the Kodanad Mini Zoo were translocated to the Kaprikkad Mini Zoo and the records pertained to the birth  |

|                                    |   |  |  |  |  |
|------------------------------------|---|--|--|--|--|
|                                    |   | of animals before and after relocation.  |  | 16.11.2017   | and death are maintained as per the guidelines of the CZA. It is submitted that the inventory records of the zoo is maintained and submitted annual inventory report timely up to 2019-20  |
| <b>Others</b>                      |   |  |  |  |  |
| 16                                 | 38-I of the Wildlife (protection) Act, 1972     | The Zoo operator should not acquire any animal without approval of the Central Zoo Authority.  |  | Violation observed during the evaluation on 16.11.2017 | The six elephant are not part of the Kaprikkad Mini Zoo. These elephants are part of the rehabilitation centre maintained as elephant camp and those elephants were shifted from Kodanad elephant camp to the Kaprikkad during January 2016 as per the order no. WL1-63093/2015 dated 04.01.2016 of Chief Wildlife Warden Kerala. The six elephants were obtained by the Forest Department by way of rescue. |
| 17                                 | 38-I of the Wildlife (protection) Act, 1972     | The Zoo should obtain prior approval of the Central Zoo Authority for the release of captive animals from old site into the wild.  |  | Violation observed during the evaluation on 16.11.2017 | The old site is under the jurisdiction of Divisional Forest Officer, Malayattoor Forest Division and is not at all in operation.   |
| <b>Old site (Kodanad Mini Zoo)</b> |   |  |  |  |  |
| 18                                 | 38-H (1) of the Wildlife (protection) Act, 1972 | Old site of the Zoo is operating as a rescue centre (Wild Animal Rescue Centre, Kodanad) adjacent to play ground without obtaining approval of the Central Zoo Authority, in violation of the Sec. |  | Violation observed during the evaluation on 16.11.2017 | The old site is no longer functioning as Zoo. The animals available in the old site are the thondy materials in various wildlife offences under Malayattoor Forest Division and its release to the wild is not done for want of necessary court sanction.  |

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  | <p>38-H(1) of the Wildlife (Protection) Act 1972. The same should be closed with immediate effect.</p> <p>Animal (Bonnet macaques, Rose ringed parakeets, Indian Rock Python, Toddy Cat, Mugger, Fresh Water 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. The same should be furnished to CZA within 30 days from the date of issue of this letter.</p> |  |  |  |
|--|--|--|--|--|--|

**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**

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  | <p>38-H(1) of the Wildlife (Protection) Act 1972. The same should be closed with immediate effect.</p> <p>Animal (Bonnet macaques, Rose ringed parakeets, Indian Rock Python, Toddy Cat, Mugger, Fresh Water 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. The same should be furnished to CZA within 30 days from the date of issue of this letter.</p> |  |  |  |
|--|--|--|--|--|--|

**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**

✓

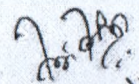


ANNEXURE - I

**KAPRIKKAD MINI ZOO**  
Diet schedule of Spotted Deer for the year 2019-20

| Sl.No. | Description                      | No.of Spotted deer |       |                    |             | Total Required / day |           |
|--------|----------------------------------|--------------------|-------|--------------------|-------------|----------------------|-----------|
|        |                                  | Adult-163 Nos      |       | Sub adult - 11 Nos |             |                      |           |
| 1      | Cattle feed ISI Supreme quality  | 1.25 Kg            | x 163 | 203.8 Kg           | 1 Kg x 11   | 11 Kg                | 214.75 Kg |
| 2      | Green gram                       | 300 gm             | x 163 | 48.9 Kg            | 200 gm x 11 | 2.2 Kg               | 51.1 Kg   |
| 3      | Mineral mixture (Agrimine Forte) | 20 gm              | x 163 | 3.26 Kg            | 15 gm x 11  | 0.17 Kg              | 3.425 Kg  |
| 4      | Salt (Powder form)               | 10 gm              | x 163 | 1.63 Kg            | 5 gm x 11   | 0.06 Kg              | 1.685 Kg  |
| 5      | Grass                            | 4 Kg               | x 163 | 652 Kg             | 2 Kg x 11   | 22 Kg                | 674 Kg    |
| 6      | Tree fodder                      | 6 Kg               | x 163 | 978 Kg             | 3 Kg x 11   | 33 Kg                | 1011 Kg   |

\* Tree fodder are twigs of jackfruit tree and various types of ficus tree etc..

  
 17/2/19  
 Dr. FUJI FRANCIS BVSc, PGDAH  
 Reg. No. 1808  
 Asst. Forest Veterinary Officer  
 Abhayaranyam, Kariyankodu  
 Ernakulam Dt. - 683 045

ANNEXURE-I

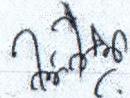
KAPRIKKAD MINI ZOO

Diet schedule of Sambar Deer for the year 2019-20

| Sl.No. | Description                      | No.of Sambar deer |         |                    |         | Total Required / day                                 |
|--------|----------------------------------|-------------------|---------|--------------------|---------|--|
|        |                                  | Adult-138 Nos     |         | Sub adult - 19 Nos |         |  |
| 1      | Cattle feed ISI Supreme quality  | 1.5 Kg x 138      | 207 Kg  | 1.3 Kg x 19        | 24.7 Kg | 231.7 Kg   |
| 2      | Green gram                       | 350 gm x 138      | 48.3 Kg | 250 gm x 19        | 4.75 Kg | 53.05 Kg   |
| 3      | Mineral mixture (Agrimine Forte) | 30 gm x 138       | 4.14 Kg | 20 gm x 19         | 0.38 Kg | 4.52 Kg  |
| 4      | Salt (Powder form)               | 15 gm x 138       | 2.07 Kg | 10 gm x 19         | 0.19 Kg | 2.26 Kg  |
| 5      | Green Grass                      | 5 Kg x 138        | 690 Kg  | 2.5 Kg x 19        | 47.5 Kg | 737.5 Kg   |
| 6      | Tree fodder                      | 8 Kg x 138        | 1104 Kg | 4 Kg x 19          | 76 Kg   | 1180 Kg  |
| 7      | Vitamine A (Filo vet)            | 20 ML X 138       | 2.76 Kg | 10 ml x 19         | 0.19 ml | 2.95 Ltr/day for three months<br>(March, April, May) |

\* Tree fodder are twigs of jackfruit tree and various types of ficus tree etc..

\* Since sambar cages are over populated, it is advisable to supplement with Vitamine A preparation during 3 three months of summer to avoid infections like skin.\*

  
 Dr. FIJI FRANCIS BVSc, PGDAH  
 Reg. No. 1808  
 Asst. Forest Veterinary Officer  
 Abhayaranyam, Kaprikadu  
 Ernakulam Dt. -683 645

**FORM II**  
[See rule 11 (1)]

**PART-A**

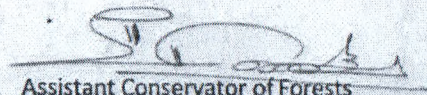
**Proforma for Quarterly/ Annual Inventory Report**  
Inventory Report for the Quarter - 01.04.2020 to 30.06.2020

**Endangered Species\***

| S.NO.              | Animal Name | Scientific Name | Opening Stock as on 01-04-2020 |   |   |   | Births |   |   | Acquisitions |   |   | Disposals |   |   | Deaths |   |   | Closing Stock as on 30-06-2020 |   |   |   |
|--------------------|-------------|-----------------|--------------------------------|---|---|---|--------|---|---|--------------|---|---|-----------|---|---|--------|---|---|--------------------------------|---|---|---|
|                    |             |                 | M                              | F | U | T | M      | F | U | M            | F | U | M         | F | U | M      | F | U | M                              | F | U | T |
| Birds              | Nil         | Nil             |                                |   |   |   |        |   |   |              |   |   |           |   |   |        |   |   |                                |   |   |   |
|                    | Nil         | Nil             |                                |   |   |   |        |   |   |              |   |   |           |   |   |        |   |   |                                |   |   |   |
|                    | Nil         | Nil             |                                |   |   |   |        |   |   |              |   |   |           |   |   |        |   |   |                                |   |   |   |
| Total Birds        | Nil         | Nil             |                                |   |   |   |        |   |   |              |   |   |           |   |   |        |   |   |                                |   |   |   |
| Mammals            | Nil         | Nil             |                                |   |   |   |        |   |   |              |   |   |           |   |   |        |   |   |                                |   |   |   |
|                    | Nil         | Nil             |                                |   |   |   |        |   |   |              |   |   |           |   |   |        |   |   |                                |   |   |   |
|                    | Nil         | Nil             |                                |   |   |   |        |   |   |              |   |   |           |   |   |        |   |   |                                |   |   |   |
| Total Mammals      | Nil         | Nil             |                                |   |   |   |        |   |   |              |   |   |           |   |   |        |   |   |                                |   |   |   |
| Reptile/Amphibians | Nil         | Nil             |                                |   |   |   |        |   |   |              |   |   |           |   |   |        |   |   |                                |   |   |   |
|                    | Nil         | Nil             |                                |   |   |   |        |   |   |              |   |   |           |   |   |        |   |   |                                |   |   |   |
|                    | Nil         | Nil             |                                |   |   |   |        |   |   |              |   |   |           |   |   |        |   |   |                                |   |   |   |
| Total              | Nil         | Nil             |                                |   |   |   |        |   |   |              |   |   |           |   |   |        |   |   |                                |   |   |   |
| Invertebrates      | Nil         | Nil             |                                |   |   |   |        |   |   |              |   |   |           |   |   |        |   |   |                                |   |   |   |
|                    | Nil         | Nil             |                                |   |   |   |        |   |   |              |   |   |           |   |   |        |   |   |                                |   |   |   |
|                    | Nil         | Nil             |                                |   |   |   |        |   |   |              |   |   |           |   |   |        |   |   |                                |   |   |   |
| Total              | Nil         | Nil             |                                |   |   |   |        |   |   |              |   |   |           |   |   |        |   |   |                                |   |   |   |
| Total Animals      | Nil         | Nil             |                                |   |   |   |        |   |   |              |   |   |           |   |   |        |   |   |                                |   |   |   |

\* Animals under Sch-I and Sch-II of Wild Life( Protection ) Act,1972  
Curator(Animals)

Director

  
 Assistant Conservator of Forests  
 Nature Study Centre, Kalady

**PART-B**

**Proforma for Annual Inventory Report**

Inventory Report for the Quarter - 01.04.2020 to 30.06.2020

Other than Endangered Species\*

| S.NO.                    | Animal Name  | Scientific Name | Opening Stock as on 01-04-2020 |     |    |     | Births |     |   | Acquisitions |     |     | Disposals |     |     | Deaths |   |   |     | Closing Stock as on 30-06-2020 |    |     |  |  |
|--------------------------|--------------|-----------------|--------------------------------|-----|----|-----|--------|-----|---|--------------|-----|-----|-----------|-----|-----|--------|---|---|-----|--------------------------------|----|-----|--|--|
|                          |              |                 | M                              | F   | U  | T   | M      | F   | U | M            | F   | U   | M         | F   | U   | M      | F | U | M   | F                              | U  | T   |  |  |
| Birds                    |              |                 |                                |     |    |     |        |     |   |              |     |     |           |     |     |        |   |   |     |                                |    |     |  |  |
|                          | Nil          | Nil             |                                |     |    |     |        |     |   |              |     |     |           |     |     |        |   |   |     |                                |    |     |  |  |
|                          | Nil          | Nil             |                                |     |    |     |        |     |   |              |     |     |           |     |     |        |   |   |     |                                |    |     |  |  |
| Total Birds              | Nil          | Nil             |                                |     |    |     |        |     |   |              |     |     |           |     |     |        |   |   |     |                                |    |     |  |  |
| Mammals                  |              |                 |                                |     |    |     |        |     |   |              |     |     |           |     |     |        |   |   |     |                                |    |     |  |  |
| 1                        | Spotted Deer | Axis axis       | 67                             | 104 | 31 | 202 | Nil    | Nil | 2 | Nil          | Nil | Nil | Nil       | Nil | Nil | 2      | 2 | 0 | 65  | 102                            | 33 | 200 |  |  |
| 2                        | Sambar Deer  | Rusa unicolor   | 69                             | 91  | 36 | 196 | Nil    | Nil | 1 | Nil          | Nil | Nil | Nil       | Nil | Nil | 2      | 0 | 0 | 67  | 91                             | 37 | 195 |  |  |
| Total Mammals            |              |                 | 136                            | 195 | 67 | 398 |        |     | 3 |              |     |     |           |     |     | 4      | 2 | 0 | 132 | 193                            | 70 | 395 |  |  |
| Reptile/Amphibians       | Nil          | Nil             |                                |     |    |     |        |     |   |              |     |     |           |     |     |        |   |   |     |                                |    |     |  |  |
|                          | Nil          | Nil             |                                |     |    |     |        |     |   |              |     |     |           |     |     |        |   |   |     |                                |    |     |  |  |
|                          | Nil          | Nil             |                                |     |    |     |        |     |   |              |     |     |           |     |     |        |   |   |     |                                |    |     |  |  |
| Total Reptile/Amphibians | Nil          | Nil             |                                |     |    |     |        |     |   |              |     |     |           |     |     |        |   |   |     |                                |    |     |  |  |
| Invertebrates            | Nil          | Nil             |                                |     |    |     |        |     |   |              |     |     |           |     |     |        |   |   |     |                                |    |     |  |  |
|                          | Nil          | Nil             |                                |     |    |     |        |     |   |              |     |     |           |     |     |        |   |   |     |                                |    |     |  |  |
|                          | Nil          | Nil             |                                |     |    |     |        |     |   |              |     |     |           |     |     |        |   |   |     |                                |    |     |  |  |
| Total Invertebrates      | Nil          | Nil             |                                |     |    |     |        |     |   |              |     |     |           |     |     |        |   |   |     |                                |    |     |  |  |
| Total Animals            | 395          |                 |                                |     |    |     |        |     |   |              |     |     |           |     |     |        |   |   |     |                                |    |     |  |  |

Curator(Animals)

Director



Assistant Conservator of Forests  
Nature Study Centre, Kalady