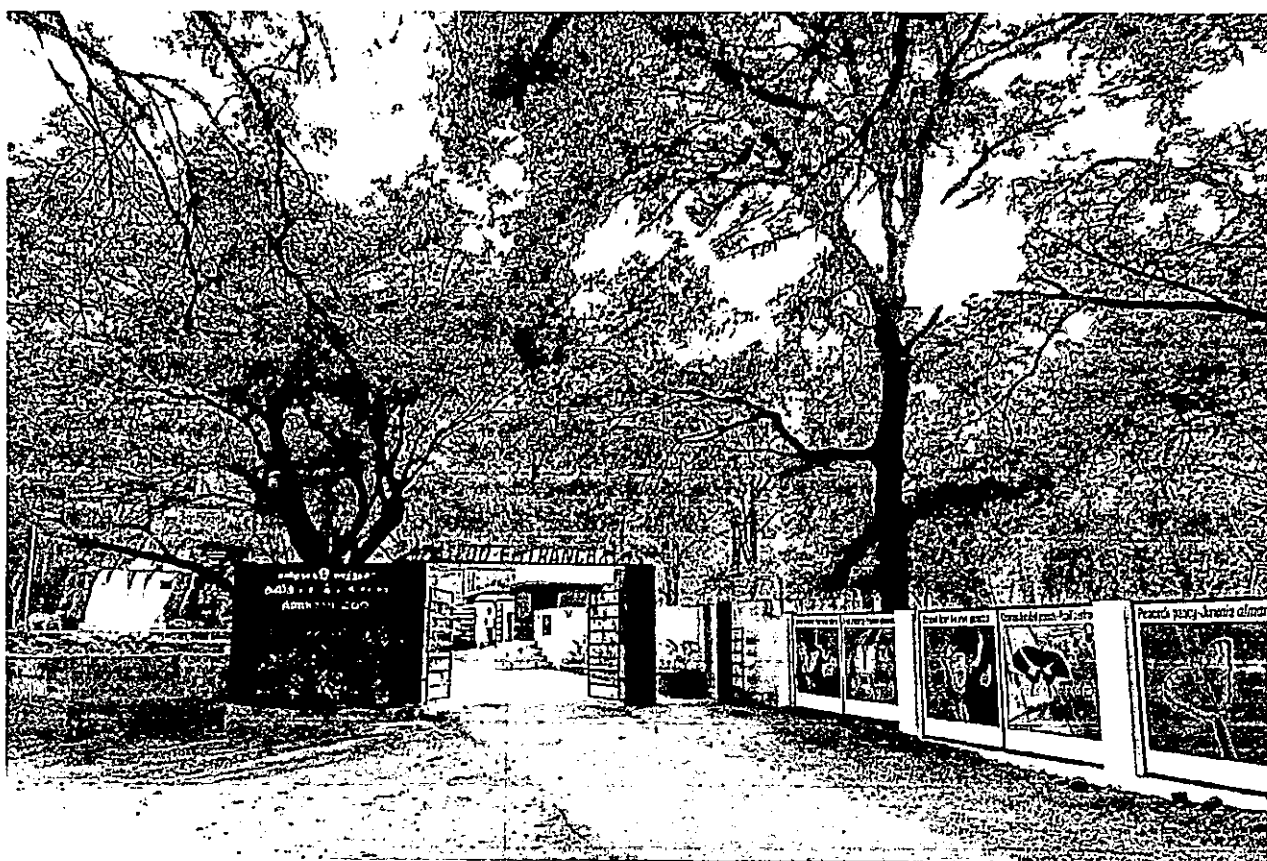


# TAMILNADU FOREST DEPARTMENT

## AMIRTHI ZOO

### AMIRTHI, VELLORE DIVISION

#### Annual Report of the year 2021-22



# ANNUAL REPORT OF THE YEAR

2021-2022



## AMIRTHI SMALL ZOO

AMIRTHI RANGE,  
VELLORE DIVISION,  
VELLORE CIRCLE

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

The Zoo at Amirthi was established in the year 1967 as 'Children's Corner' by Thiru.Raja Singh, District Forest Officer and later renovated in the year 1979-1980 with a total area of 10 ha. It is located about 25km from Vellore City, inside the Thellai Reserve Forest of Amirthi range with a semi-perennial falls nearby is the only Eco-tourism place present in Vellore Forest Division.

Amirthi Zoological Park, is one of the small category zoos in Tamil Nadu recognized by Central Zoo Authority. The Zoo is situated on the outskirts of the Vellore, the sixth largest city in Tamil Nadu and it is one of the major tourist attractions in Vellore district. The Park is located at the foothills of Shevaroy's offering green panoramic view of western slopes of hills which houses a variety of Mammals, Reptiles, Birds and lower fauna. It is spread over an area of 31.73 ha with vivid landforms and vegetation.

The zoo was started with a handful collection of some local wild animals and birds. In decades past, the Park primarily served as a recreation center for people through display of popular and charismatic animals and provided educational value. The zoo needs upgradation to achieve its optimal utility.

The visitors of the zoo about 1.5 lakh annually and more than 200 schools visit the zoo annually which shows the importance of this zoo for nature education.

The zoo staff work with sincerity and devotion to their job in order to ensure healthy environment for animals. I appreciate everyone in the zoo for having made it a successful year in the maintenance of the zoo.

*12.08.2022*  
Assistant Conservator of Forest &  
Assistant Director, Amirthi Zoo  
Vellore Division, Vellore - 9

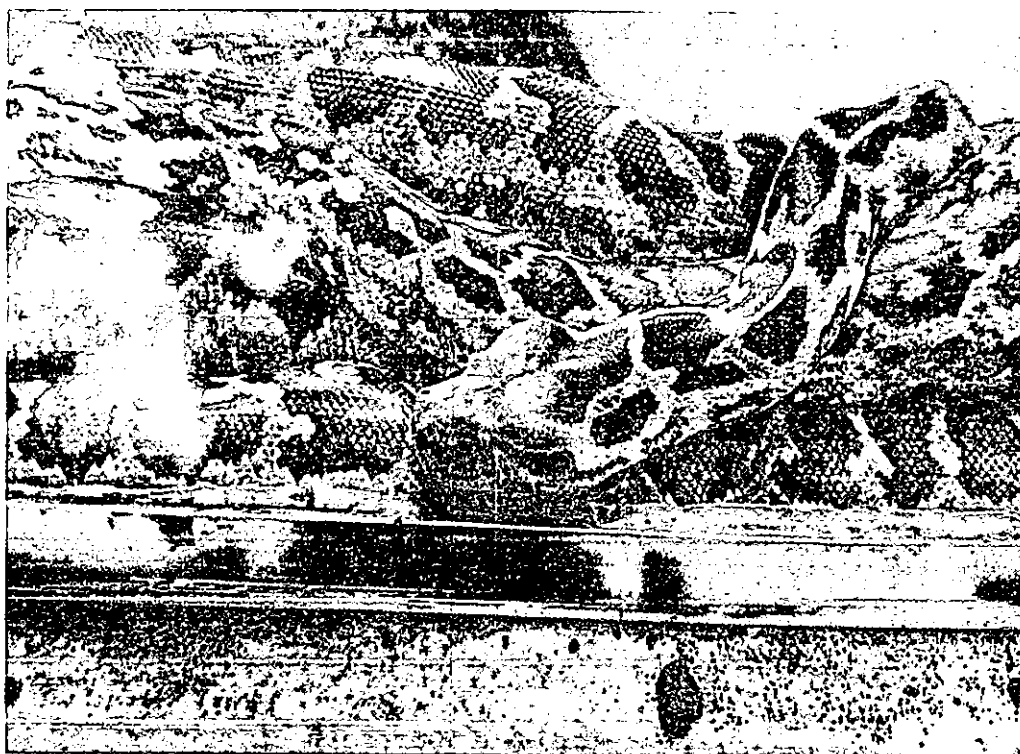
*[Signature]*  
District Forest Officer,  
Vellore Forest Division, Vellore - 9.

*C. Manjunath*  
FOREST RANGE OFFICER  
AMIRTHI RANGE  
AMIRTHI

## 2. History of the Zoo

The Amirthi Zoo is situated in Amirthi Forest Range of Vellore Forest division, Vellore District, Tamil Nadu. It is situated inside foot hills of Thellai Reserve Forest (RF) area with an intention to provide recreation and create awareness among the people regarding the importance of wildlife. The zoo was established initially as a Children's corner during the year 1967 by Thiru. G.J. Raja Singh I.F.S., then District Forest Officer, Vellore Forest Division in the Naganadhi and Goddaru. With the available old buildings, the Zoo was started with small animals and birds and was kept in transportable cages. Later, spotted deer, Black Buck, Sambar was brought from Guindy Park. Later, year by year with available funds drinking water facilities, dormitory, meditation center were constructed. In the year 1987, the system of ticket collection to visitors was introduced. The whole area measuring 20 ha, was fenced with barbed wire fencing using concrete pillars, functioning Zoo area 10 Ha. One can travel and reach two destinations namely Jamunamarathur and Kavalur Observatory (one of the largest Observatory in Asia) via Amirthi with shortest distance through Forest and Tribal Areas. The Zoo is located about 25 km from the Vellore city and is about 150 km from Chennai. It is well connected by road and railway. This is the only Zoo present in the Vellore district and the adjoining districts of river banks of Tiruvannamalai, Dharmapuri, Krishnagiri and Tiruvallur.

### Indian Rock Python



### **3. Vision**

To develop a center for wildlife conservation, research, education for fauna and flora and a referral center for data on wildlife of Eastern Ghats.

### **4. Mission**

The mission statements of Amirthi Zoo carries global concern for the survival of local species and natural systems and a desire to educate the visitors, but actually to modify human behavior. Considering these, the following is the mission statement of Amirthi Zoo.

To inspire the zoo visitors' empathy for wild animals and make them understand the need for conservation of nature and natural resources by way of practicing animal welfare, pursue research, Conservation, and education".

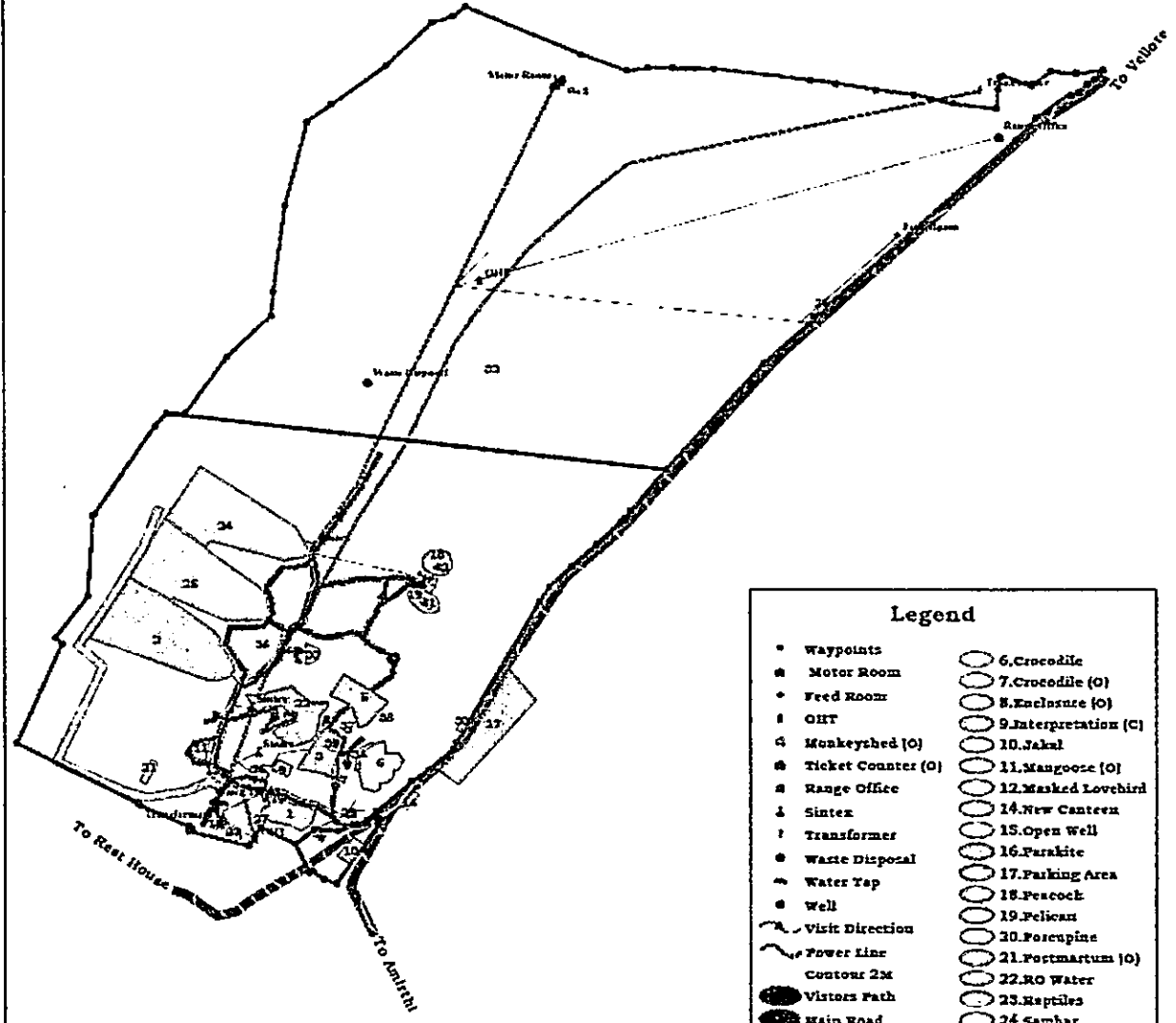
### **5. Objective**

The objectives of Amirthi Zoological Park are as follows:

1. To develop the zoo as an excellent exhibition and conservation centre for fauna of Eastern Ghats and to develop it as a study center
2. To promote zoo as center for biodiversity conservation by organizing wildlife education camps and interpretation programs to sensitize different sections of society and enhance public awareness on wildlife
3. To inspire the zoo visitors empathy for wild animals and make them understand the need for conservation of natural resources and for maintaining the ecological balance
4. To provide research opportunity for conducting scientific studies on the fauna to enhance our knowledge on animal behavior, its biology, ecology so as to aid in scientific management of the zoo and conservation of wildlife
5. To develop eco-tourism, through trekking along the nature trails and wildlife habitats in areas surrounding the zoo
6. To provide facility for wild animals health care and develop a temporary rehabilitation center for rescued animals
7. To create recreation facilities like boating, children's playground, develop skills for sighting animals in wild.

TAMILNADU FOREST DEPARTMENT  
**AMIRTHI MINI ZOO - VELLORE DIVISION**  
 (LAYOUT MAP - EXISTING ZOO)

1:2,500



Legend	
•	Waypoints
■	Motor Room
•	Feed Room
■	OHT
□	Monkeyshed (O)
■	Ticket Counter (O)
■	Range Office
↓	Sintex
⌋	Transformer
●	Waste Disposal
⊕	Water Tap
●	Well
→	Visit Direction
—	Power Line
—	Contour 2M
—	Visitors Path
—	Main Road
—	Service Road
—	Pipe Line
—	Water Main Line
○	1. Birds Enclosure
○	2. Blackbuck
○	3. Butterfly Park
○	4. Canteen (O)
○	5. Children Park
○	6. Crocodile
○	7. Crocodile (O)
○	8. Enclosure (O)
○	9. Interpretation (C)
○	10. Jalal
○	11. Mongoose (O)
○	12. Masked Lovebird
○	14. New Canteen
○	15. Open Well
○	16. Parakeet
○	17. Parking Area
○	18. Peacock
○	19. Pelican
○	20. Porcupine
○	21. Postmortum (O)
○	22. RO Water
○	23. Reptiles
○	24. Sambar
○	25. Spotted Deer
○	26. Terrapin
○	27. Terrapin (O)
○	28. Ticket Counter
○	29. Toilet
○	30. Vacant Area
○	31. Viewing Area
○	32. Visitors Shed
○	33. Water Turf



## 6. Basic Information about the Zoo

About us:

S.No.	Particulars	Information
1	Name of the Zoo	Amirthi Small Zoo
2	Year of Establishment	1967
3	Address of the Zoo	Amirthi
4	State	Tamil Nadu
5	Telephone Number	0416-2253329
6	Fax Number	
7	E-mail address	1) dfovellore@gmail.com 2) amirdhifro@gmail.com
8	Website	
9	Distance from nearest	Airport:Chennai-150km
		Railway Station:Katpadi-30km
		Bus Stand:Vellore-25 km
10	Recognition Valid upto (Date)	19 th August 2022

Sl. No.	Particulars	Information
11	Category of zoo	Small Zoo
12	Area (in Hectares)	20 ha
13	Number of Visitors (Financial Year) (2021-2022)	Total Visitors:81156
14	Visitors' Facilities Available in Zoo	Parking Area, Benches, R.O Water, Rest Room, Rest Shed, Signage's Zoo MAP, Interpretation Centre, Direction Board, Canteen.
15	Weekly Closure Day of the Zoo	Tuesday
<b>Management Personnel of the zoo</b>		
Nil	Name with designation of the Officer in-charge	Thiru Prince Kumar IFS.,
	Name of the Veterinary Officer	Nil
	Name of the Curator	Nil
	Name of the Biologist	Nil
	Name of the Education Officer	Nil
	Name of the Compounder/ Lab Assistant	Nil
<b>Owner / Operator of the Zoo</b>		
17	*Name of the Operator	District Forest Officer, Vellore Division, Vellore.

*12.08.2022*  
Assistant Conservator of Forest &  
Assistant Director, Amirthi Zoo  
Vellore Division, Vellore - 9

6

*C. M. M. P. O.*  
FOREST RANGE OFFICER  
AMIRTHI RANGE,  
AMIRTHI

Sl. No.	Particulars	Information
18	Address of the Operator	District Forest Officer, Vellore Forest Division, Forest Campus, Pillaiyar Kovil Street, Rangapuram, Phase – IV, Vellore – 632 009.
19	Contact details/Phone number of Operator	0416-2253329
20	E-mail address of Operator	dfovellore@gmail.com

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

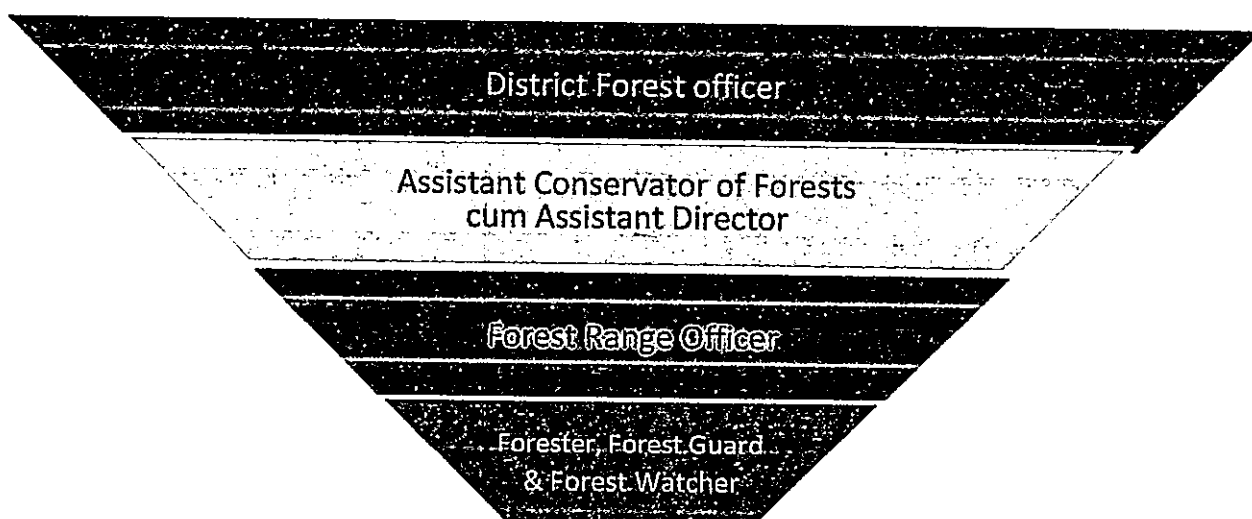
*"Zoo Operator" means the person who has ultimate control over the affairs of the zoos.*

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



Mazdoor

## 8. Human Resources

The Amirthi zoo has the following Human resources for the management of the zoo. The District Forest Officer is the overall operator and controller of the zoo. The Assistant Conservator of Forests cum Assistant Director is solely assisting the District Forest Officer in the maintenance of Amirthi zoo. The Forest Range Officer Amirthi is the stationed officer in the Amirthi zoo and managing the premises. Amirthi Section Forester, Amirthi beat Forest Guard, one Forest Watcher are assisting the Forest Range Officer in the management of zoo. Seventeen watchers employed on daily wage basis are contracted through Forest Contractor for the daily routine zoo work like animal feeding, garbage collection and other security purposes. The Amirthi zoo is in need of following human resources.

- 1) One Veterinary Assistant.
- 2) One Biologist.
- 3) One Computer Operator.
- 4) One Ticket collector.
- 5) One security Guard.
- 6) One Junior Research Fellow.
- 7) 20 Nos. of zoo watchers.

## 9. Capacity Building of zoo personnel

At present, only twelve animal keepers (male) and five sweepers (female) are working in the zoo on daily wage basis. The animal keepers and sanitation workers will have to be engaged as per the norms fixed by the CZA in accordance with the number of animals available in the zoo. Suitable infrastructure will have to be created for the zoo staff also.

## 10. Zoo Advisory Committee –

Date of constitution	:	03.12.2014
Chairman	:	The Honorable Chief Minister of Tamil Nadu
Vice Chairman	:	The Honorable Minister of Forests-Tamil Nadu
Members	:	Chief Secretary, Government of Tamil Nadu
	:	Additional Chief Secretary-Finance Department
	:	Additional Chief Secretary-Animal Husbandry Department
	:	Additional Chief Secretary Climate Change Environment & Forest
	:	Principal Chief Conservator of forests(Head of the Department)
	:	Principal chief Conservator of Forests and Chief Wildlife Warden-Tamil Nadu
	:	ZAT-Director-Arignar Anna Zoological Park, Vandalur, Chennai-48
	:	Vice-Chancellor, Tamil Nadu Veterinary College, Chennai.
	:	Director of Environment, Govt of Tamil Nadu
	:	Commissioner, Department of Tourism, Tamil Nadu
Member Secretary	:	Additional Principal Chief Conservator of Forests and Director, Arignar Anna Zoological Park, Vandalur, Chennai-48.
<b>Dates on which General Body Meeting held during the year-12.10.2017</b>		

**11. Health Advisory Committee-**

As such Health Advisory Committee is yet to be constituted for Amirthi Small Zoo.

However, Wildlife warden, Wildlife Biologist and wildlife Veterinary officers keep meeting frequently and measures for up keep of enclosure animals are in place time to time.

**12. Statement of income and expenditure of the Zoo****Income Details in Amirthi Small Zoo during 2021 to 2022**

Revenue Collection Details of Amirthi Small Zoo from 2021 to 2022						
Sl. No	Year	No. of Visitors	Ticket collection	Camera Collection	Vehicle Collection	Total
1	2021-2022	81156	765535	4650	740800	1510985 (15.10 lakhs)

**Expenditure Details in Amirthi Small Zoo during 2021 to 2022**

Sl. No.	Description	No. of workers engaged	Revenue collection in ZAT account (in Rs.)	Amount Sanctioned in ZAT account (in Rs)	Amount Spent (in Rs)	Remarks
1	Engaging Temporary zoo workers during 2021-22	17 Nos.	1510985	1980000	1980000	
Total			1510985	1980000	1980000	

**Expenditure Feeding Charges details for Amirthi Small Zoo animals during 2021 to 2022**

Sl. No.	Description	No. of Months	Amount Allotted under Non plan under Head of Account -AA upkeep of Dept. Animals "2406-01-101-AA-36709" (in Rs)	Amount Sanctioned (in Rs)	Amount Spent (in Rs)	Remarks
2	Feeding charges to zoo animals during 2021-22	12	2569290	4331061	4331061	Balance Rs.1761771 to be spent during 22-23
Total			2569290	4331061	4331061	

*C. Murugesan*  
 FOREST RANGE OFFICER  
 AMIRTHI RANGE  
 AMIRTHI

## Expenditure Improvement of Amirthi Small Zoo during 2021 to 2022

Sl. No.	Name of the Work	Head of the account	Amount Sanctioned (in Rs)	Amount Spent (in Rs)	Remarks
1	Periodical Maintenance-2406-01-101-AA-1813 Other Contingencies - 2406-01-001-AA-0529 Purchase Office Stationery		67000	67000	
2	Periodical Maintenance – 2406-01-101- AA -1813 a) Providing PPGL Sheet Roofing for Porcupine Shed Work – 2021 -2022 b) Providing PPGL Sheet Roof and Weld Mesh Screen for Love Birds Work 2021-2022 c) Providing Waiting Shed – I for Sambar Deer Enclosure for Amirthi Zoo. d) Providing Waiting Shed – 2 for Spotted Deer Enclosure for Amirthi Zoo. e) Providing Waiting Shed – 3 for Spotted Deer Enclosure for Amirthi Zoo.	2406-01-101-AA-0001-State Expenditure - AA - Upkeep of Departmental Animals	402458	397431	
3.	Wages-2406-01-101-AA-1840 Wages of the work of Clearing invasive Species in Amirthi Zoo area		76000	76000	
4.	Medicines-2406-01-101-AA-6603		140000	140000	
5.	Data Entry Operator		120000	120000	

## 13. Daily feed Schedule of animals

The diet for all the animals in the zoo will be provided as per the diet prescriptions of the expert veterinarians. The same will be revised from time to time for each of the animals depending on its age, health status, season, etc. Each animal will have a separate diet chart which will be maintained by the veterinarians in the zoo. The proposals have been made to develop a rat breeding center or frog breeding center near the zoo to meet the diet requirements of some of the zoo animals.

*[Signature]*  
12.08.2022  
Assistant Conservator of Forest &  
Assistant Director, Amirthi Zoo  
Vellore Division, Vellore - 9

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*[Signature]*  
FOREST RANGE OFFICER,  
AMIRTHI RANGE  
AMIRTHI

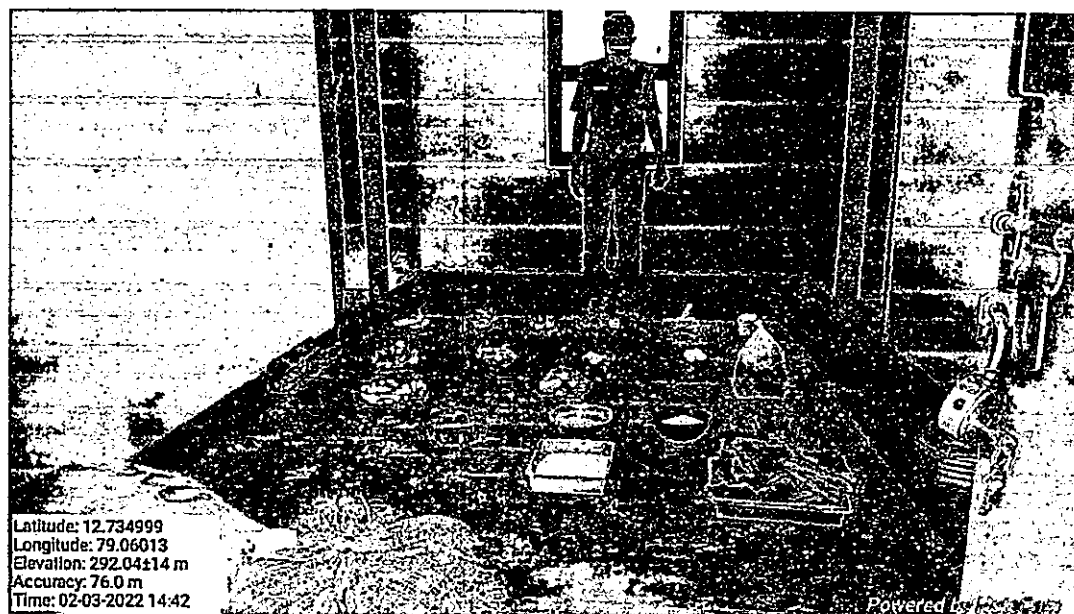
Daily Feed of Animals -2021-22						
Sl.No	FOOD ITEM (ON DAILY BASIS)	NUMBER OF ANIMALS	QUANTITY FOR EACH ANIMAL / DAY IN Grams OR Nos.	Quantity in grams		Day of Fasting
				Winter	Summer	
1	PORCUPINE	4	Carrot - 100	100	100	
			Rice - 100	100	100	
			Greens-Amaranthu	50	50	
			Cabbage-100	100	100	
			Tapioca - 50	50	50	
			Sweet Potato -50	50	50	
			Soya bex - 20	20	20	
			Ground nut oil cake-25	25	25	
			Spinach -25	25	25	
			Banana - 1 No	1	1	
2	STAR TORTOISE	6	Amaranthus - 100	100	100	
			Beans - 75	75	75	
			Carrot -30	30	30	
			Cucumber - 75	75	75	
			Tomato - 30	30	30	
			Greens (Spinach)- 50	50	50	
			Lady's Finger - 50	50	50	
			Shell Grit (inside enclosure) - 2	2	2	
3	SPOTTED DEER	80	Wheat bran -- 500	500	500	
			Cattle feed -500	500	500	
			White bengal gram -50	50	50	
			Ground nut oil cake-50	50	50	
			Cabbage -- 100	100	100	
			Salt -10	10	10	
			Grass 3000	3000	3000	
			Green Leaves - 2000	2000	2000	
			Carrot - 100	100	100	
			Greens -Amaranthus -- 250	250	250	

4	SAMBAR DEER	7	Wheat bran - 1500	1500	1500	
			Cattle feed -1500	1500	1500	
			Ground nut oil cake-100	100	100	
			cabbage - 100	100	100	
			Greens-Amaranthus - 250	250	250	
			Salt -10	10	10	
			Carrot - 200	200	200	
			Grass - 15000	15000	15000	
			Tree Branches (with bark) - 5000	5000	5000	
5	PEACOCK	14	cabbage - 25	25	25	
			Mixed graines -25	25	25	
			Paddy - 100	100	100	
			White bengal gram -50	50	50	
			Greens Amaranthus - 100	100	100	
			Garlic -10	10	10	
			Ground nut (W.O.S)-50	50	50	
			Shell grit - 10	10	10	
			Carrot - 50	50	50	
			Tomato - 50	50	50	
			Boiled Egg - 2	2	2	
			Skim Milk Powder -20	20	20	
			Poultry Mash -100	100	100	
			Onion -50	50	50	
Green gram - 25	25	25				
6	WATER BIRD ( Pelican )	4	Fish - 1000	1000	1000	
			Apple - 500	500	500	
			Orange - 50	50	50	
			Mango - 50	50	50	
			Sathukudi - 50	50	50	
			Guava - 1 Nos	1 Nos	1 Nos	
			Tomato - 50	50	50	
			Ground nut (W.O.S)-50	50	50	
			Tapioca - 25	25	25	
			Sweet Potato - 25	25	25	
			Bread slice - 1	1	1	
			Egg (Boiled) - 1	1	1	
			Green Banana -1	1	1	
Carrot - 50	50	50				
Sun flower seeds - 10	10	10				

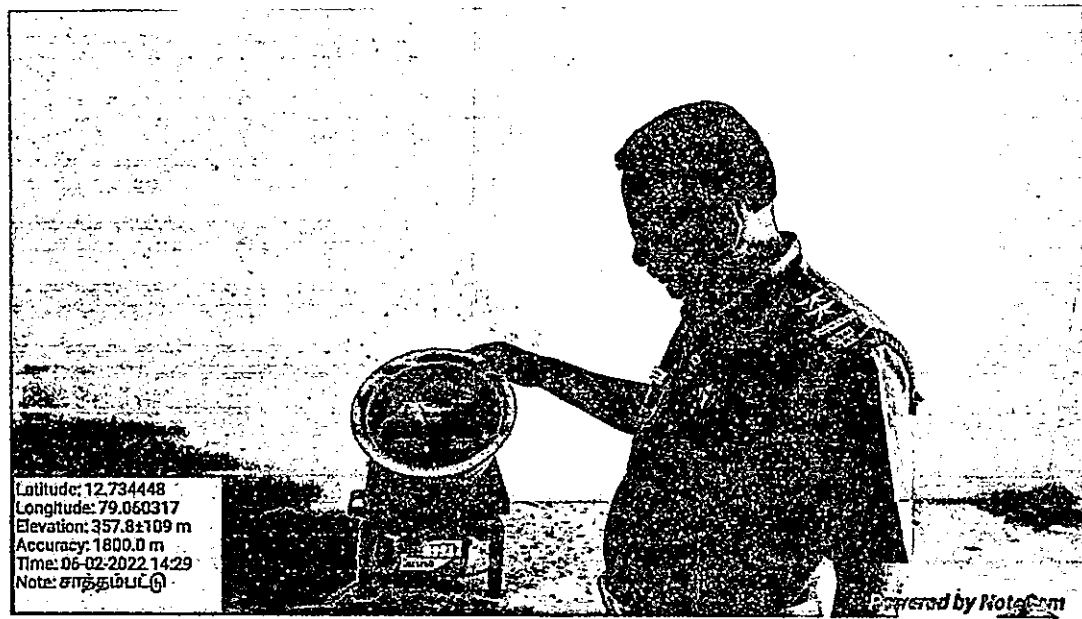


14	INDIAN ROCK PYTHON	2	Chicken -1000 (Monthly twice)	1000	1000	Monthly Twice
			Rat (size 150 grms) -8 Nos Monthly twice	8 Nos	8 Nos	Monthly Twice
15	INDIAN COBRA	2	Chicks 3 Nos (weekly once)	3	3	Weekly Once
			Rat (100 to 150 grms) - 4 Nos Monthly once	150	150	Monthly Once
16	RUSSELL VIPPER	2	Chicks 3 Nos (weekly once)	3	3	Weekly Once
			Rat (100 to 150 grms) - 4 Nos Monthly once	4	4	Monthly Once
17	MANGOOSE	2	Beef Liver - 100	100	100	
			Chicken - 100	100	100	

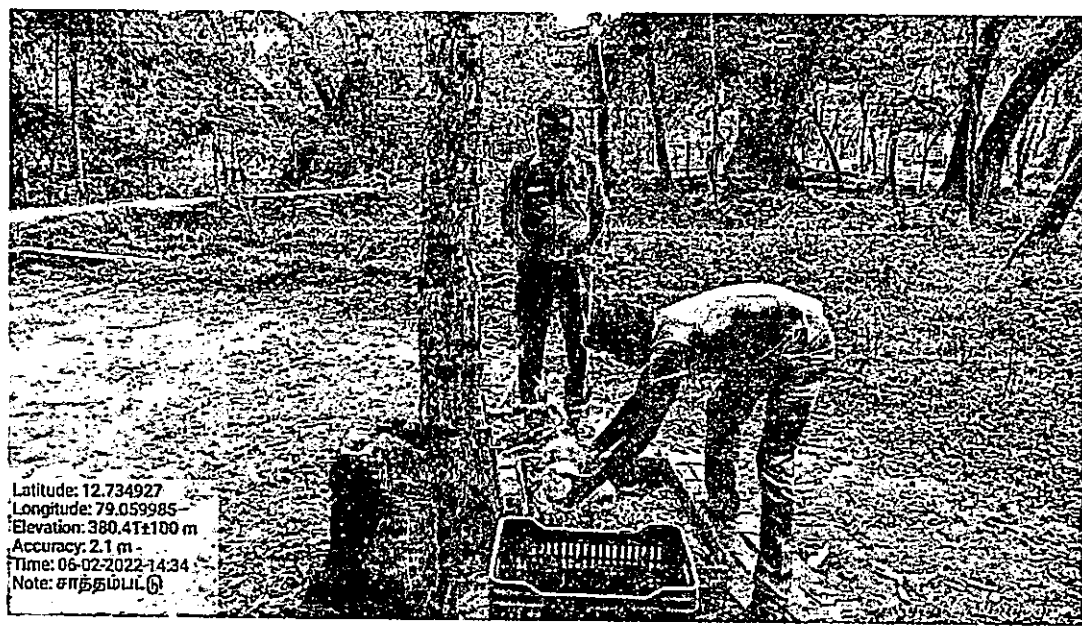
**Supplying feed to the species as per the diet schedule preparation in Amirthi Small Zoo**



*C. Mungar*  
FOREST RANGE OFFICER  
AMIRTHI RANGE  
AMIRTHI

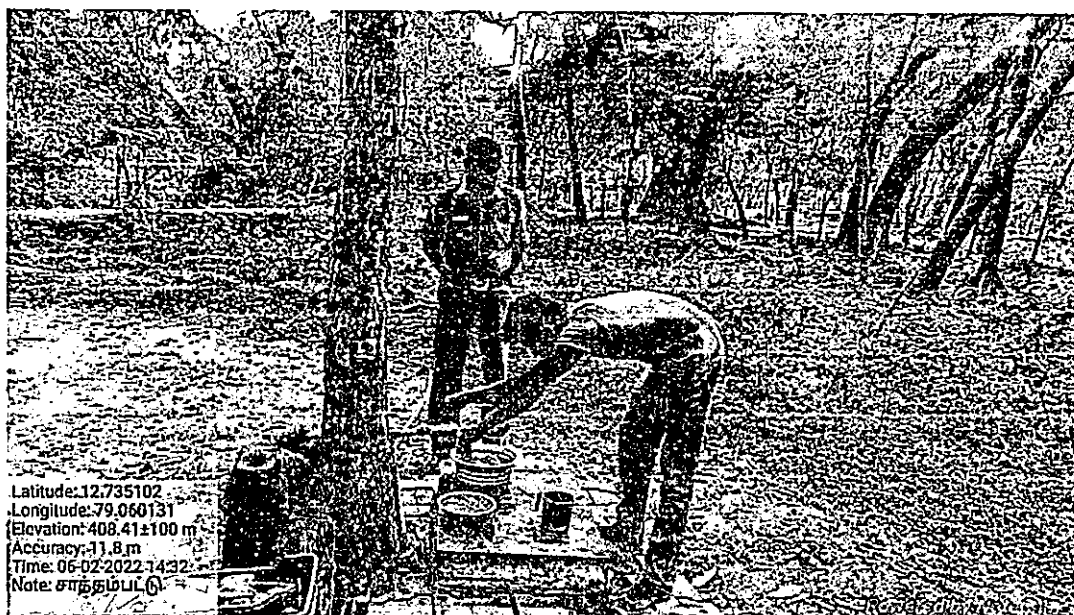


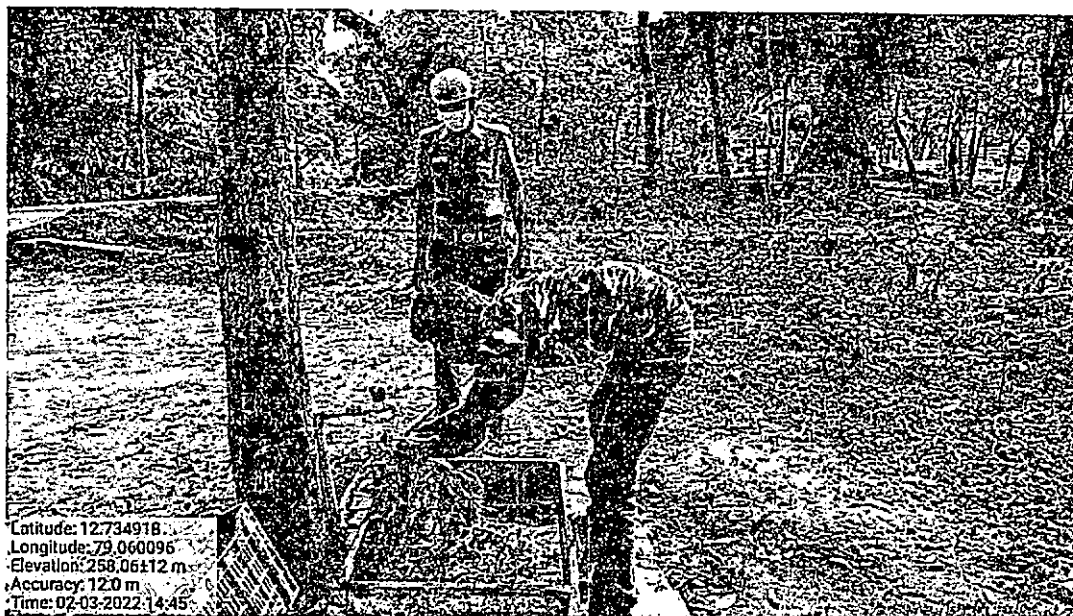
Checking Amirthi Small Zoo animal feed and washing feed with Clean Water





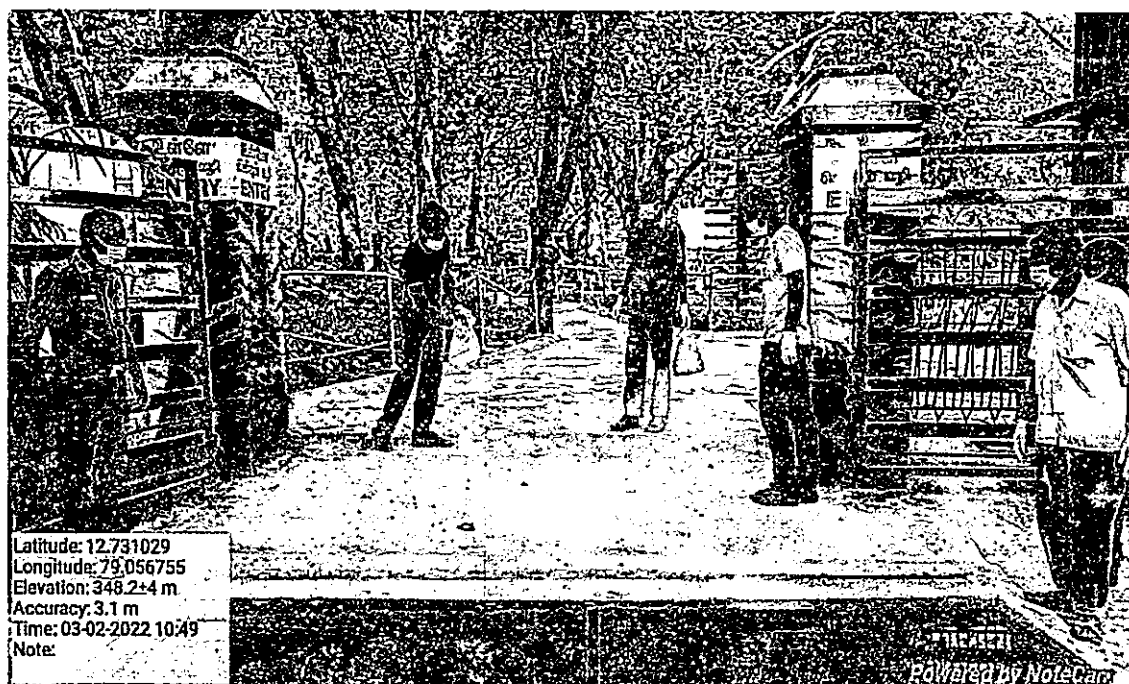
**Checking zoo animal feed and washing feed with Potassium Permanganate (1%) and Turmeric Powder Solution**



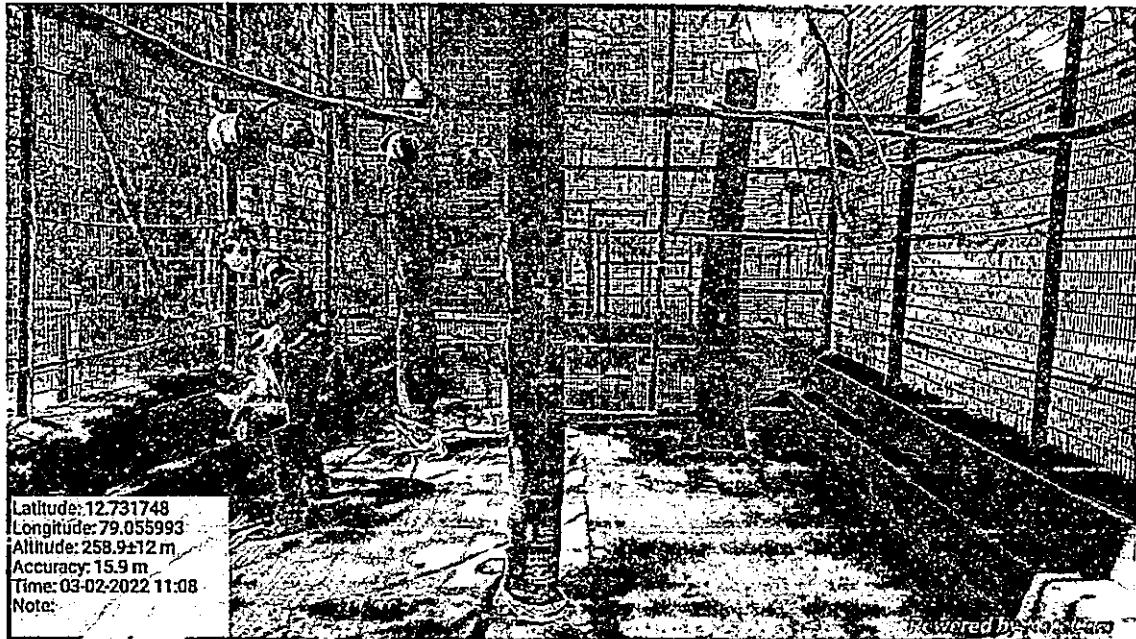


- **Feed to the animals were checked by the veterinary officer, Vandalur Zoo.**
- **Supplying feed to the species as per the diet schedule preparation.**
- **Daily Report of Amirthi Small Zoo, precaution measures in Amirthi Small Zoo**
- **Providing clean drinking water to zoo animals and cleaning animal water trough thoroughly with hypochlorite powder.**
- **Animal keepers are approaching their concerned enclosures in protective manner ie Face mask, gloves and soap.**
- **Checking zoo animal feed and washing feed with Potassium permanganate (1%) and turmeric powder solution.**
- **Daily cleaning of animal enclosures, removing of feed reimaginging's, sewage and drainage water.**
- **Animal keepers washing their hand with soap before and after handling of animal feed.**
- **Spraying /Dusting of disinfectant i.e. bleaching powder and Turmeric powder in all animal enclosures regularly.**

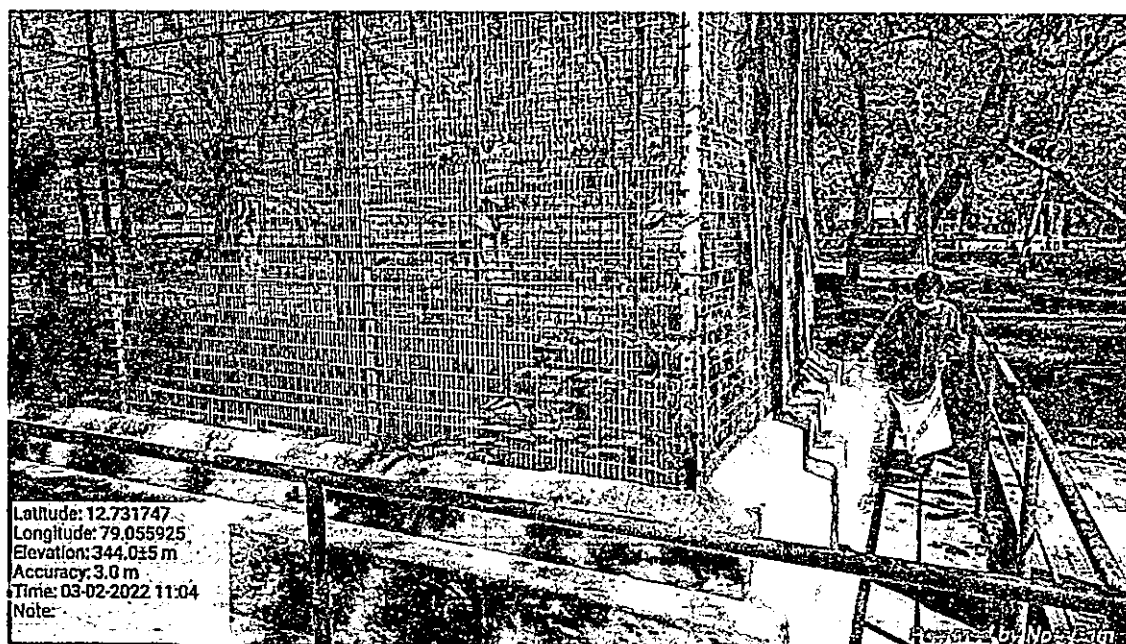
**Entrance of the Amirthi Small Zoo Cleaned, Sprinkle with Turmeric Powder and Bleaching Powder before the Visitors arrival every day due to Covid -19 Reopened on 03.02.2022 of Vellore Division, Vellore**



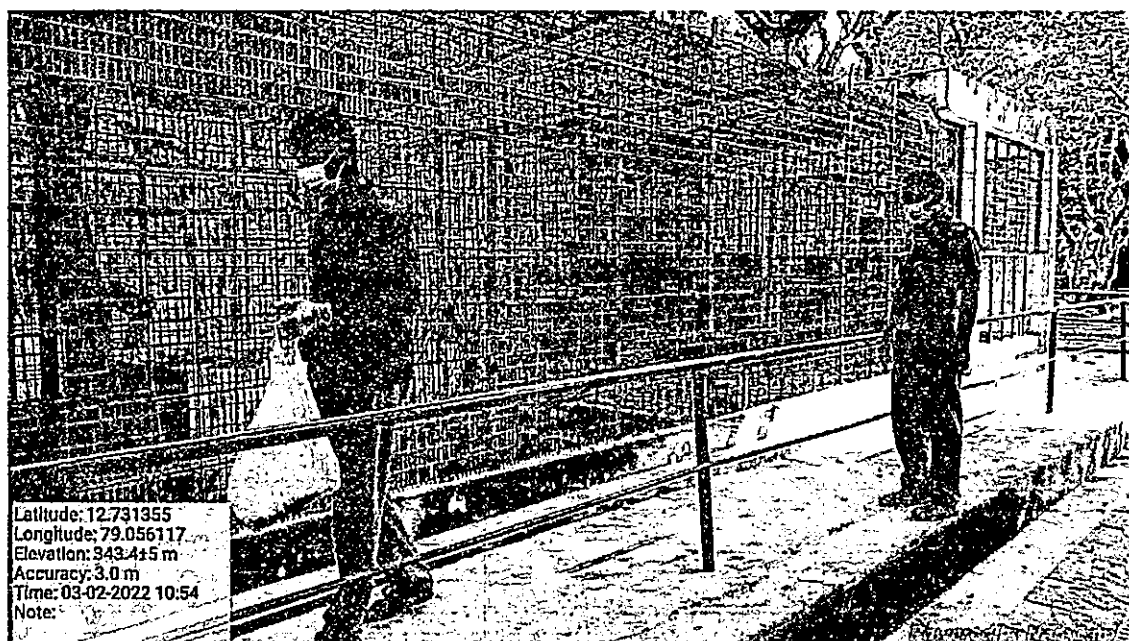
**All the Enclosures are cleaned, and Sprinkle with Turmeric Powder Before the Visitors arrival every day due to Covid -19 in Amirthi Small Zoo**



**Outside of the Enclosures are cleaned, and Sprinkle with Turmeric Powder before the Visitors arrival every day due to Covid -19 in Amirthi Small Zoo**

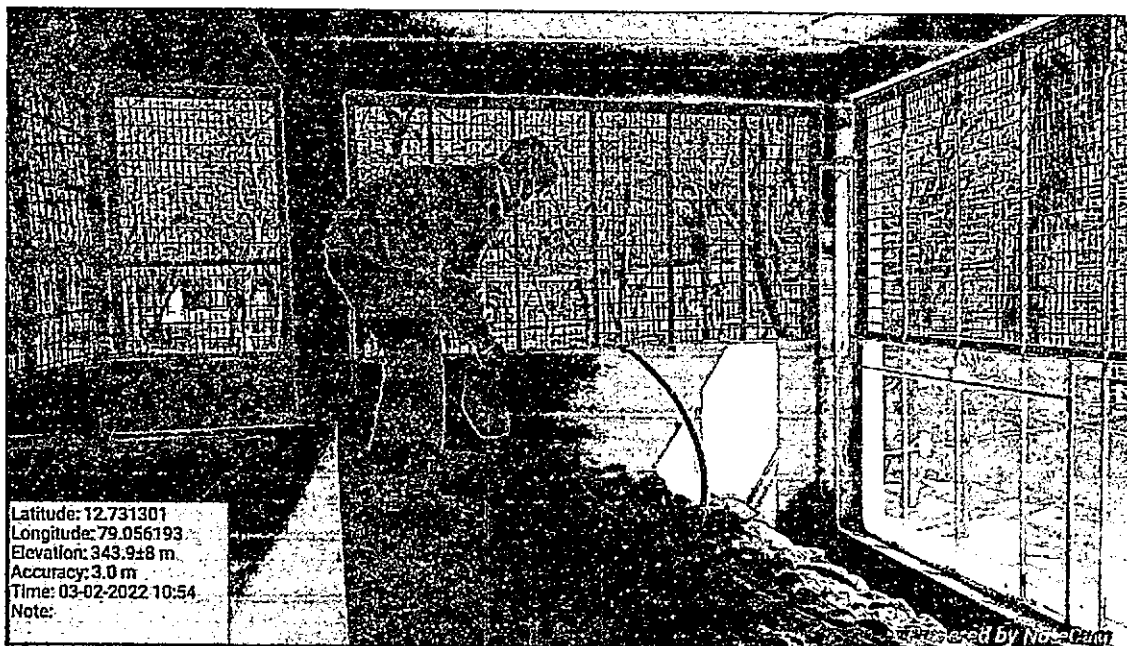


**Outside of the Enclosures and Foot Path are Cleaned Sprinkle with Turmeric Powder and Bleaching Powder before the Visitors arrival every day due to Covid -19 in Amirthi Small Zoo**

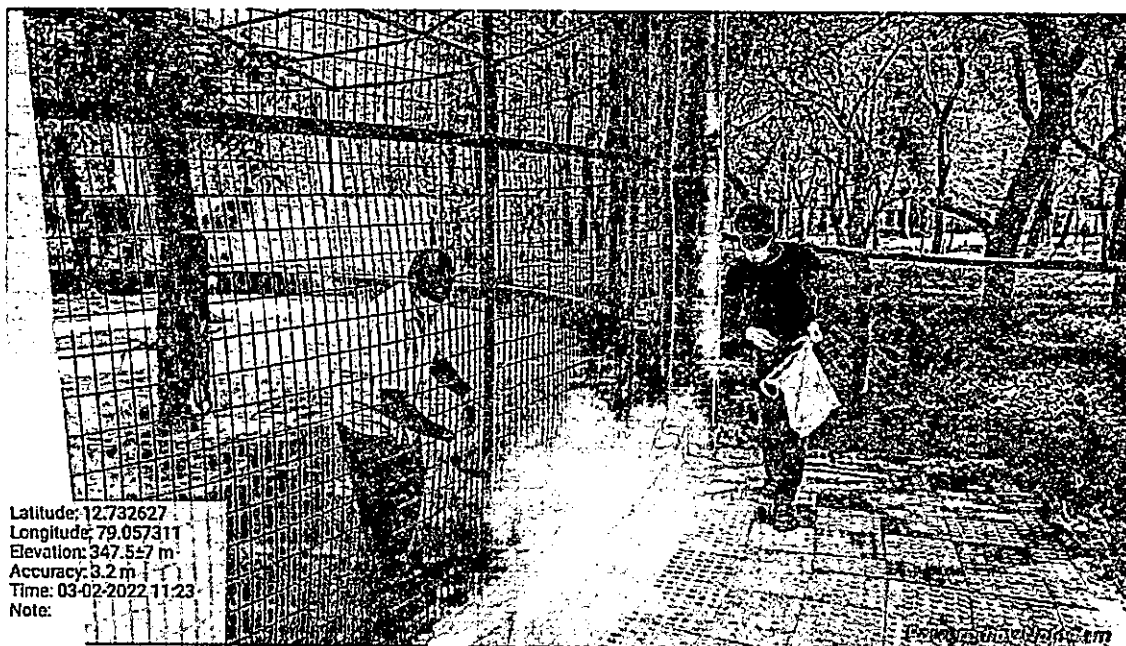
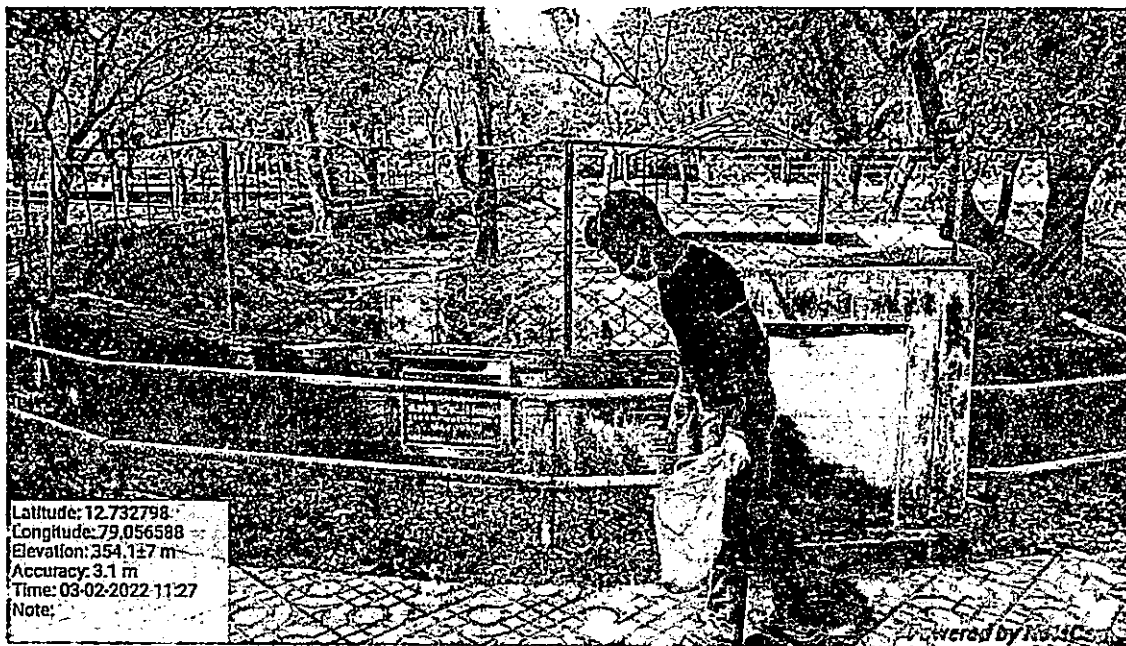




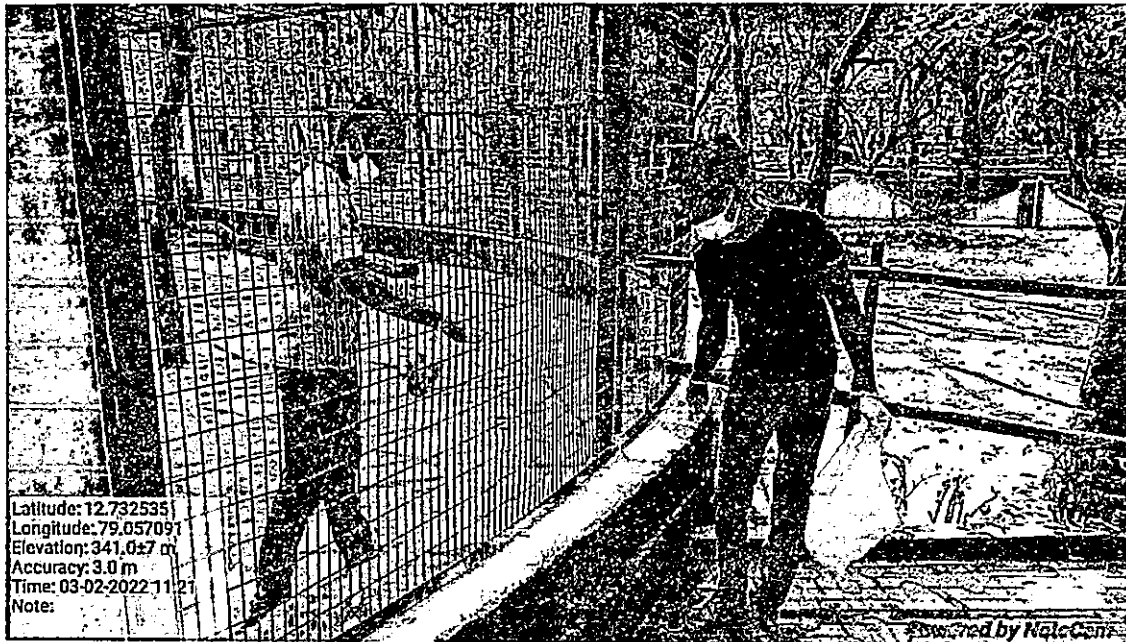
**All the inside Enclosures are Cleaned and Sprinkle with Turmeric Powder and Bleaching Powder before the Visitors arrival every day due to Covid -19 in Amirthi Small Zoo**



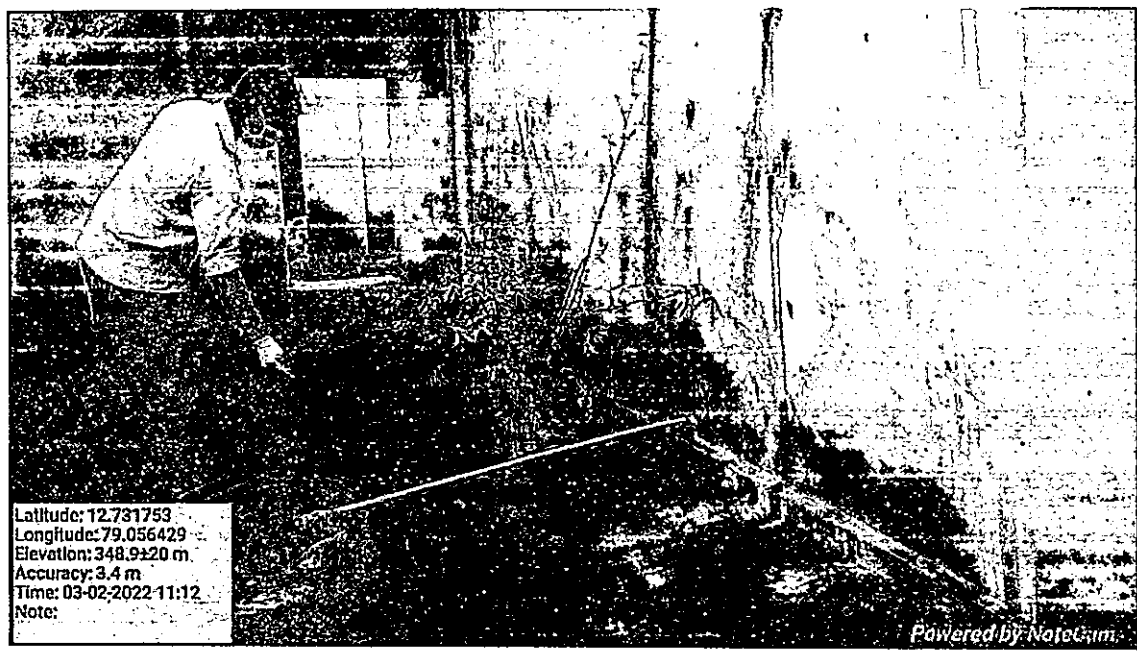
**Outside of all Enclosures are Cleaned and Sprinkle with Turmeric Powder and Bleaching Powder before the Visitors arrival every day due to Covid -19 in Amirthi Small Zoo**



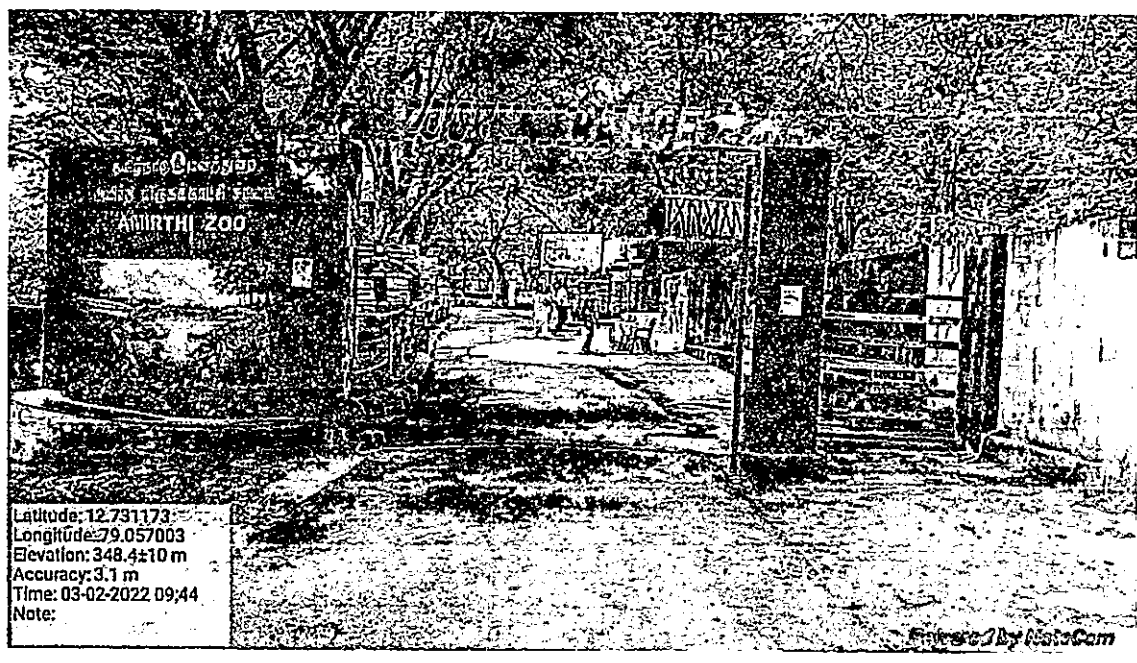
**Outside of all Enclosures are Cleaned and Sprinkle with Turmeric Powder and Bleaching Powder before the Visitors arrival every day due to Covid -19 in Amirthi Small Zoo**



**Inside of all Enclosures are Cleaned Sprinkle with Turmeric Powder before the Visitors arrival every day due to Covid -19 in Amirthi Small Zoo**

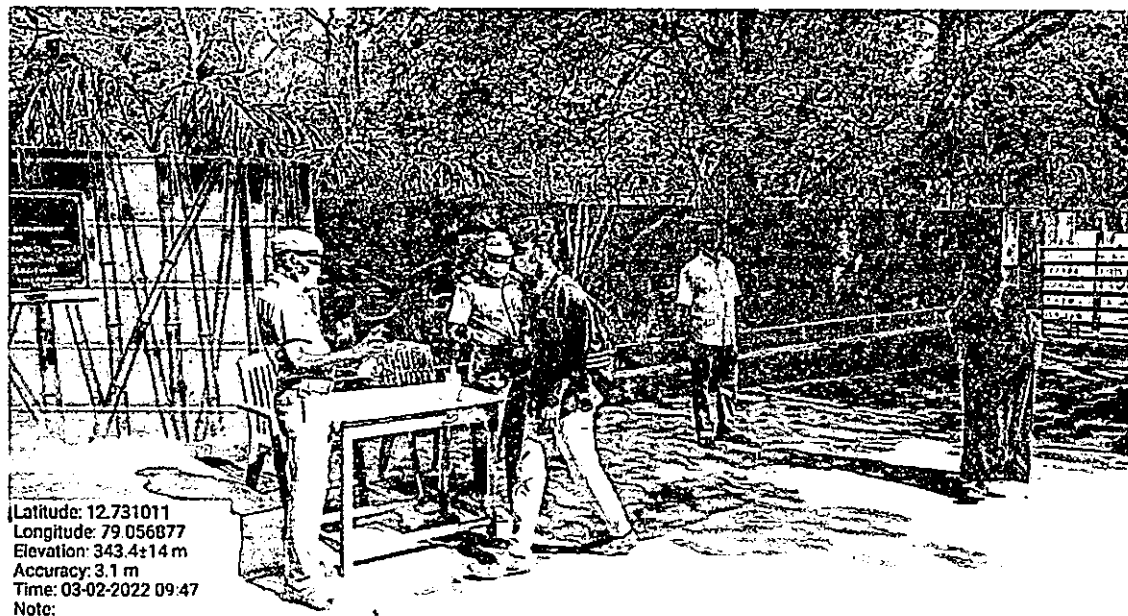


**Visitors are allowed Wearing with Mask, Sanitizer and Social distance before entering in Amirthi Small Zoo**





**Visitors are allowed Wearing with Mask, Hands cleaned with Sanitizer and Keep Social distance before entering in Amirthi Small Zoo**



*Powered by NoteCam*

**14. Vaccination Schedule of animals**

Sl.No.	Species	Name of the Vaccine and dosage/ quantity Used	Periodicity	Remarks
1	Nil	Nil	Nil	Nil

**15. De-worming Schedule of animals**

Sl. No.	Species	Drug used	Month
1	Spotted deer	Fenbendazole	September/ December
2	Porcupine	Fenbendazole	September/ December
3	Peafowl	Fenbendazole	September/ December
4	Sambar Deer	Fenbendazole	September/ December

**16. Disinfection Schedule**

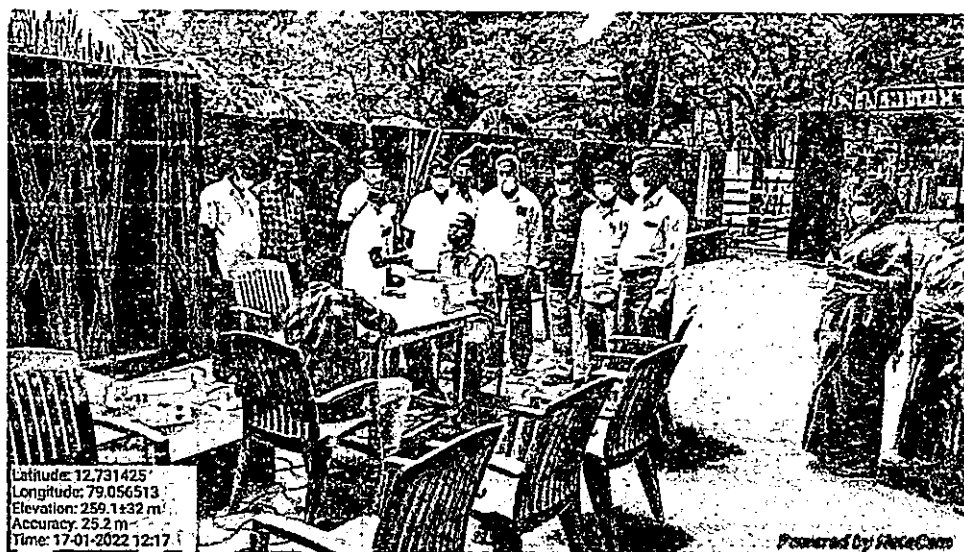
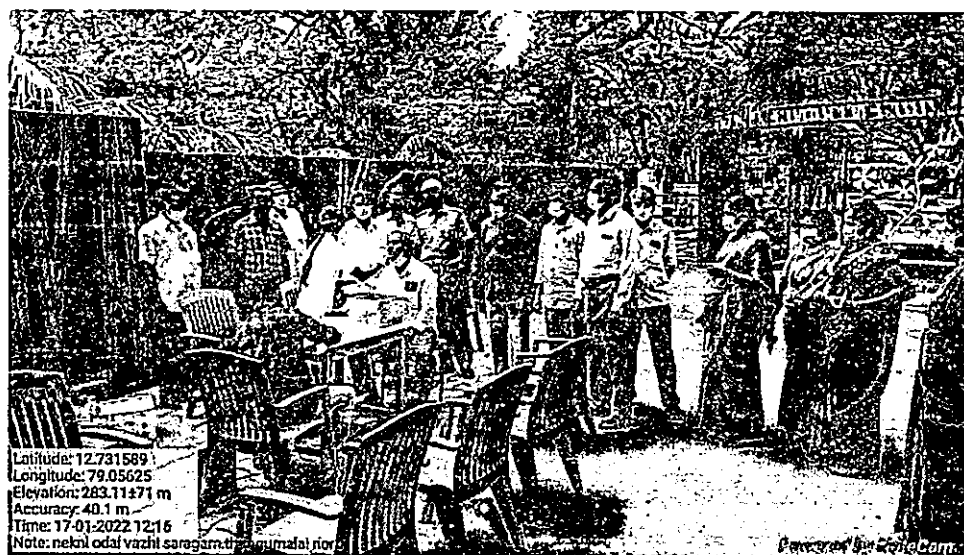
Periodically disinfection schedule is followed in the zoo as preventive care protocol. Cleaning of feed, water troughs, application of turmeric powder inside and around enclosures, provide adequate with 1% potassium permanganate as dips and rinses, removal of left over feed in the enclosure, cleaning of equipment usage of kohrsolien for disinfection are regular schedule and routine activity.

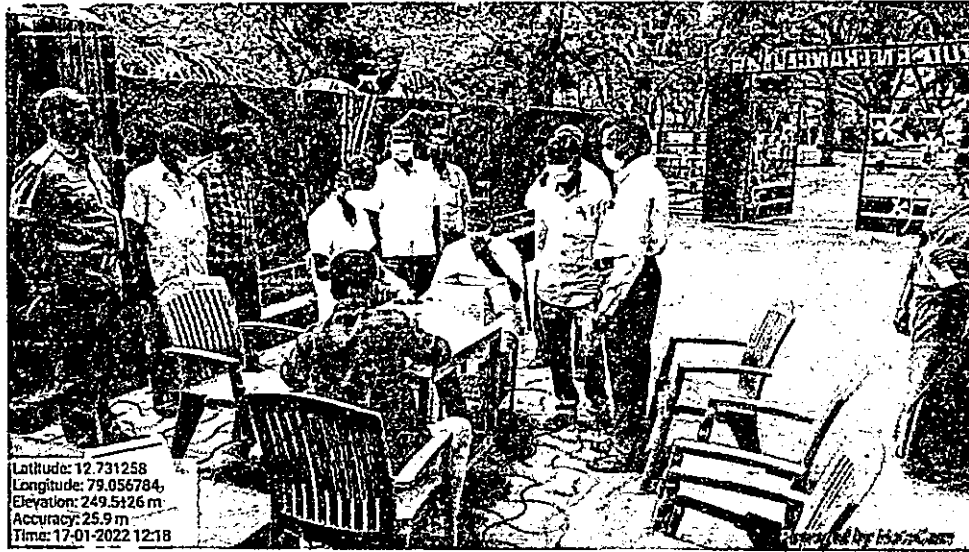
Applying of calcium carbonate/lime during onset of monsoon is a disinfection routine. Clearing of weeds, scrapping of topsoil around enclosures, change of sand substratum in the animal enclosure, painting and white washing was followed as annual schedule of disinfection.

1. Health Check-up of employees for Covid -19

Sl. No.	Name	Designation	Date of Health Check up & Vaccination date	Findings of Health Check up
1	Forest Range Officer and other field staff in Zoo	Forester, Forest Guard and Forest Watcher	17.01.2022	None infected
2	Mazdoors	Mazdoors/Animal Keepers		

Covid-19 Screening Test by Doctors:



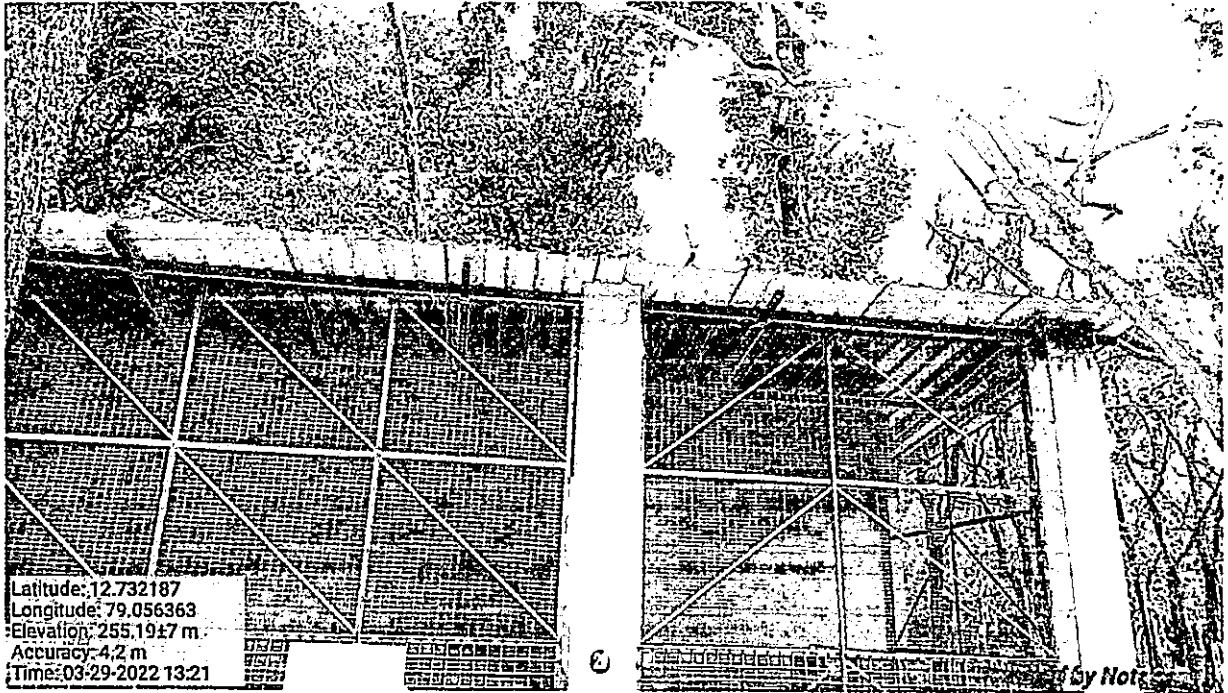


**2. Development Works carried out in the Amirthi Small Zoo during the year 2021-2022**

Sl. No.	Name of the Development Work
1	<b>PROVIDING PPGL SHEET ROOFING FOR PORCUPINE SHED WORK 2021-2022</b>
2	<b>PROVIDING PPGL SHEET ROOF AND WELD MESH SCREEN FOR LOVE BIRDS WORK 2021-2022</b>
3	<b>Providing Waiting Shed -1 for Sambar Deer Enclosure for Amirthi Zoo, WORK 2021-2022</b>
4	<b>Providing Waiting Shed -2 for Spotted Deer Enclosure for Amirthi Zoo, WORK 2021-2022</b>
5	<b>Providing Waiting Shed -3 for Spotted Deer Enclosure for Amirthi Zoo, WORK 2021-2022</b>



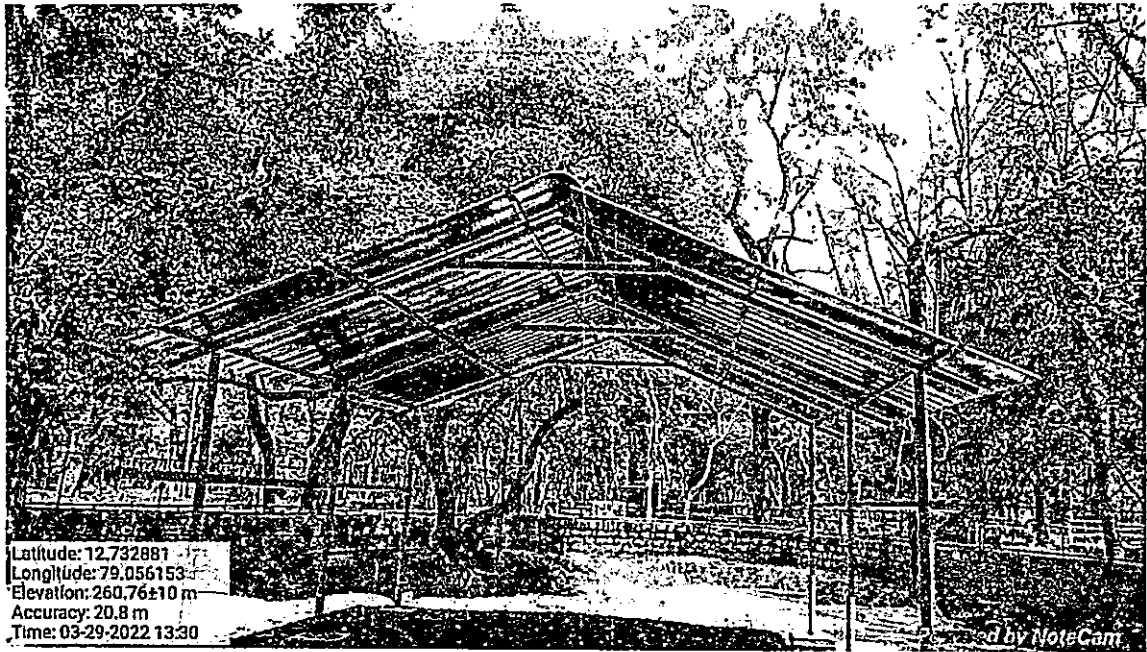
**PROVIDING PPGL SHEET ROOFING FOR PORCUPINE SHED  
WORK 2021-2022**



**PROVIDING PPGL SHEET ROOF AND WELD MESH SCREEN FOR  
LOVE BIRDS WORK 2021-2022**



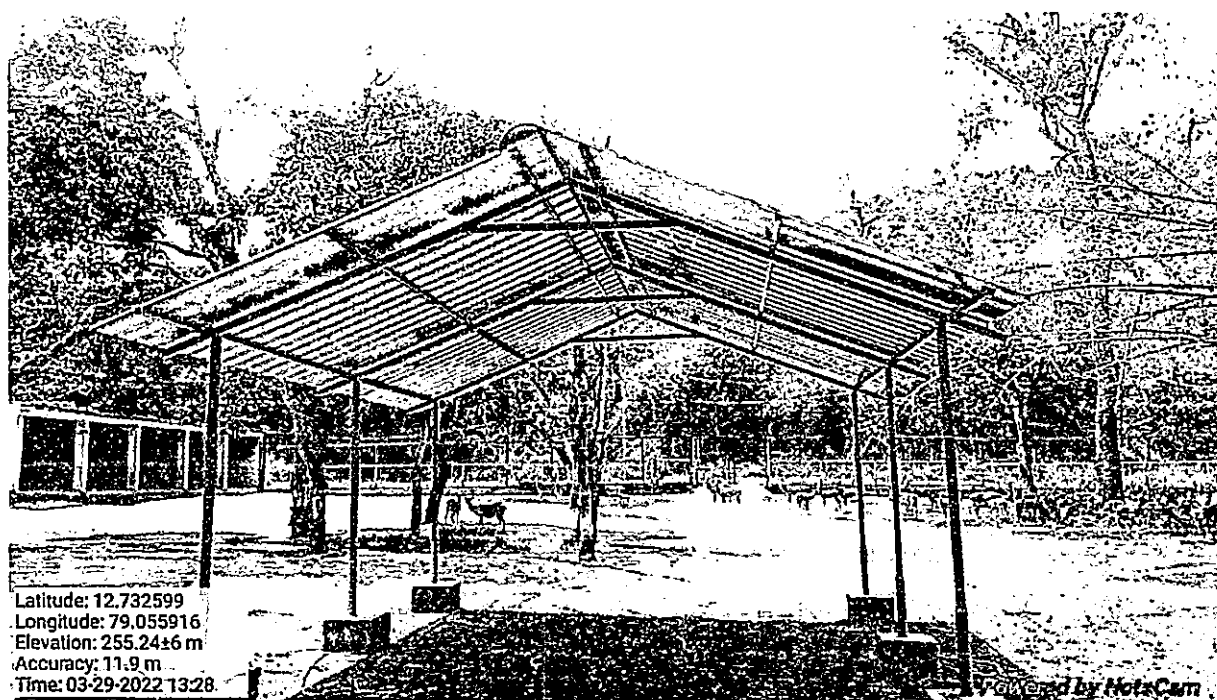
**Providing Waiting Shed -1 for Sambar Deer Enclosure for Amirthi Small Zoo, WORK 2021-2022**



**Providing Waiting Shed -2 for Spotted Deer Enclosure for Amirthi Small Zoo, WORK 2021-2022**



### Providing Waiting Shed -3 for Spotted Deer Enclosure for Amirthi Small Zoo, WORK 2021-2022



#### 19. Education and Awareness Program during the year

Amirthi Small Zoo is visited by student communities from in and around the city. In an average about 5000 students visit the zoo. In addition to the regular interpretation given by the zoo personal, the students are given special attention on special occasions such as Wildlife Week, World Environment day, Vana mahotsava, World Forest Day etc., and they are briefed about the importance of the occasion and motivated to help survival of flora and fauna. An education officer and interpreter is needed to give a guided tour for visitors who come in groups.

## 1. Important Events and happenings

### 1. World wildlife day Celebrations

Series of events marked the wildlife week e-celebration on October – 02<sup>nd</sup> 2020.

#### Crocodile



#### Spotted Deer



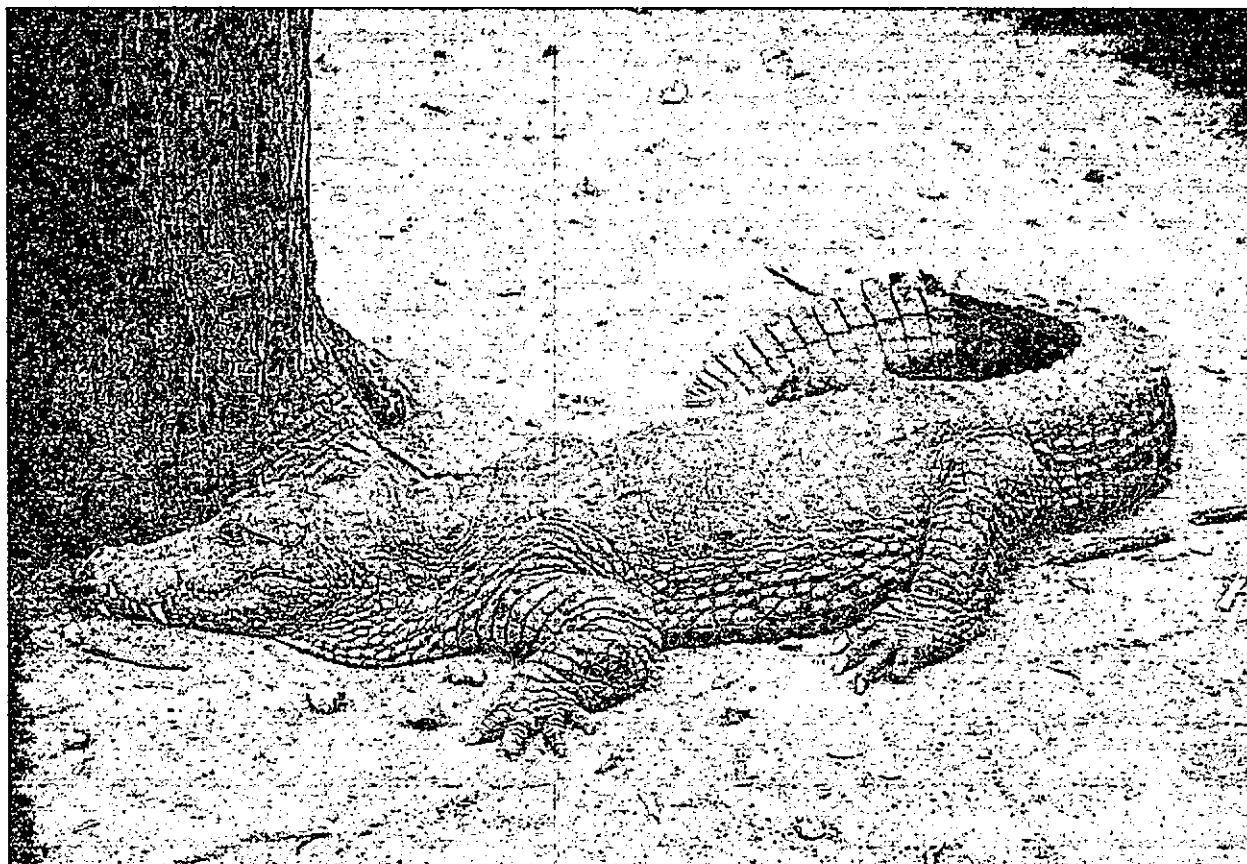
## 21. Seasonal special arrangements for upkeep of animals

1. Sprinkling of water in all enclosures during peak summer days.
2. Seasonal fruits supply for zoo inmates
3. Prophylactic disinfection schedule for monsoon management of captive population.
4. Additional thatched sheds & shade nets provided to enclosures as summer management practice to provide relief from heat.

## 22. Research Work carried out and publications

Wildlife biologists, veterinary experts, field assistants, animal keepers, managers, etc., will contribute to collection of data on animal behavior, health, breeding, feeding, release and rehabilitation, population control, rogue animals, etc., will be decided by conducting regular meetings. Data collection, record keeping and reporting will be done systematically and published in suitable journal.

### Crocodile



### 23. Conservation Breeding Program of the Zoo

The zoo is coming under small zoo category, acting mainly as provider of wildlife education and awareness center about fauna of Eastern & Western Ghats for the visiting public. Moreover, the zoo has exhibited the common and smaller animals in its collection in which normal breeding is noted. Hence, the major breeding program activities have not been formulated. Following species are known to show breeding behavior in the zoo.

Sl.No	Name of the species
1.	Spotted deer
2.	Parakeet
3.	Love Birds
4.	Kite
5.	Night Heron

### 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	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	NIL

*C. Manjappa*  
 FOREST RANGE OFFICE  
 AMIRTHI RANGE  
 AMIRTHI

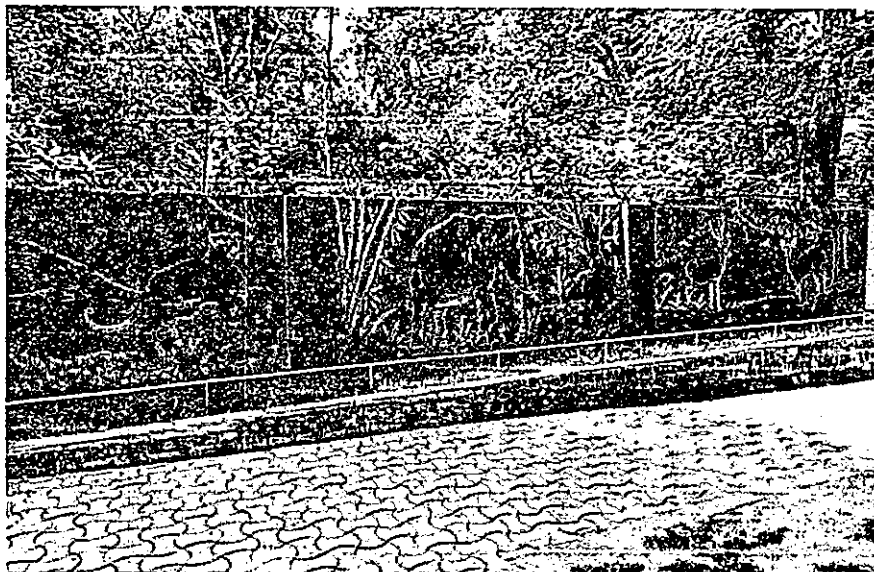
## 25. Rescue and Rehabilitation of wild animals carried out by the Zoo

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
1	NIL	NIL	NIL	NIL	NIL	NIL

## Spotted Deer



## Sculpture Wall Painting







## 27. Mortality of animals

Sl. No.	Animal Name (with individual identification mark, if any)	Scientific Name	Sex	Date	Reason of death as per the post- mortem report
1	Spotted Deer	<i>Axis axis</i>	Male	21.04.2021	Respiratory Shock due to Heat
2	Spotted Deer	<i>Axis axis</i>	Male	04.05.2021	Chronic <i>pleural</i> Pneumonia
3	Spotted Deer	<i>Axis axis</i>	Male	19.07.2021	Cardiac Shock
4	Spotted Deer	<i>Axis axis</i>	Female	23.09.2021	Respiratory Shock due to Heat
5	Spotted Deer	<i>Axis axis</i>	Female	21.02.2022	Chronic <i>pleural</i> Pneumonia
6	Spotted Deer	<i>Axis axis</i>	Male	04.03.2022	Cardiac Shock
7	Spotted Deer	<i>Axis axis</i>	Male	19.03.2022	Chronic <i>pleural</i> Pneumonia
8	Spotted Deer	<i>Axis axis</i>	Female	19.03.2022	Chronic <i>pleural</i> Pneumonia
8	Spotted Deer	<i>Axis axis</i>	Male	20.03.2022	Cardiac Shock

C. Murugan  
FOREST RANGE OFFICER  
AMIRTHI RANGE.  
AMIRTHI

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

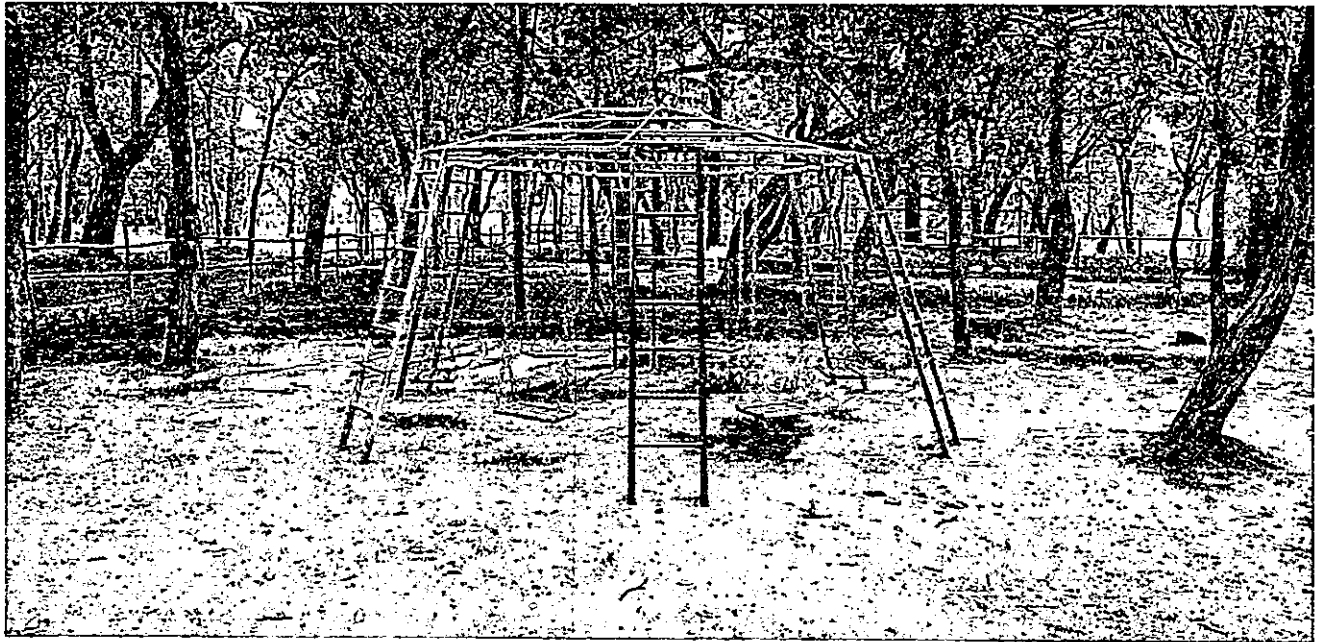
Sl. No	Norm No.	Condition Stipulated	Time Period to Comply	Since when pending	Status with regard to compliance of the conditions
1	10.1(3)	Visitor's movement at the zoo should be regulated. It should be ensured that visitor's path should not exceed 25% of the periphery of the enclosure. This is to ensure adequate withdrawal area to the animal	Immediately	March 2016	The Visitors movements in the zoo has been regulated temporarily by using bamboo barricades wherever possible as a temporary measure. However, as suggested by the CZA for reducing visitors path to 25% of the periphery of the enclosure, we require an amount of Rs. 13.10 lakhs to carry out this work. For which, necessary estimate has been prepared and submitted herewith in the Enclosure.
2	10.1(5)	The boundary wall of zoo is only 60% has been completed. The remaining portion is covered by the barbed wire fence should be completed.	Six months	March 2016	An amount of Rs. 1.43 crores is required to construct the entire remaining boundary of the compound wall, for which necessary estimate has been prepared and submitted herewith in the enclosure.
3	10.1(6)	The zoo has entry to the guest house and tourism huts (residential area) The same should be separated by boundary wall with Independent entry and exit.	Immediately	March 2016	This work will be completed within 3 months with the available funds under Non-Plan.
4	10.1(9)	The domestic ducks, blue rock pigeon and rabbits housed at the zoo should be removed immediately.	Immediately	March 2016	The domestic ducks, blue rock pigeon and rabbits were removed already as per CZA evolution team's Instructions.

4 Animal housing display of animals and animal enclosures					
	10.4(2)	<p>I The aviaries (Pariah kite. Rose ringed parakeet) have been provided with metal wire and pipes as perch. The same should be replaced with bamboo or wooden sticks of appropriate size.</p> <p>II The pariah kite enclosure has service entry to the enclosure from the visitor viewing area. It should be located in the back.</p> <p>III The area of the pea fowl aviary is mere 15 sq mt does not meet the standards and norms as prescribed by the CZA. It should be of the size as prescribed by the CZA.</p> <p>IV The Rose ringed parakeet has been provided with service gate in the front. It should be located in the back Side.</p>	<p>Immediately</p> <p>Immediately</p> <p>Immediately</p> <p>Immediately</p>	<p>March 2016</p>	<p>This work was completed as per CZA evolution team's instructions.</p> <p>This work will be completed within 3 months with the available funds under Non-Plan.</p> <p>This work will be completed within 3 months with the available funds under Non-Plan.</p> <p>This work will be completed within 3 months with the available funds under Non-Plan.</p>
5	10.4(3)	<p>I The empty leopard cage used for display of jackal provided with Pucca floor. The floor of paddock should be made kuccha.</p> <p>II The water body provided in most animal enclosure does not have any outlet to drain the water. It should have proper outlet and inlet for water.</p> <p>III The peafowl aviary has been provided bucket for drinking of water to the animals. The aviaries should be provided with earthen shallow water body.</p> <p>IV The Rose ringed parakeet aviary has Pucca floor and no enrichment. The aviary should be enriched and should be provided with kuccha floor.</p>	<p>Immediately</p> <p>Immediately</p> <p>Immediately</p> <p>Immediately</p>	<p>March 2016</p>	<p>This work was completed as per CZA evolution team's instructions. This work will be completed within 3 months with the available funds under Non-Plan.</p> <p>This work will be completed within 3 months with the available funds under Non-Plan.</p> <p>This work was completed as per CZA evolution team's instructions.</p>

6		V The glass used has barrier at new enclosure of mongoose, star tortoise and python have reflection. It should be placed in a manner or such angle that there is no reflection is seen.	Immediately		This work will be completed within 3 months with the available funds under Non-Plan.
7	10.4(5)	Most animal enclosure at the zoo have been provided with more than 70% area of total area of enclosure for visitors viewing. It should be restricted to 25% of the perimeter of enclosure.	Immediately	March 2016	The Visitors movement in the zoo has been regulated temporarily by using bamboo barricades wherever possible as a temporary measure. However, as suggested by the CZA for reducing visitors path to 25% of the periphery of the enclosure, we require an amount of Rs. 3.10 lakhs to carry out this work for which necessary estimate has been prepared and Submitted herewith in the enclosure.
8	10.4(6)	I The zoo has been housing cobra in small enclosure without any enrichment. The enclosure area should be of 40sqmts in size.  II The Python housed is new enclosure have not been provided with enough horizontal and vertical perched. The enclosure should be enriched as per the species requirement.	Immediately  Immediately	March 2016	This work will be completed within 3 months with the available funds under Non-Plan.  This work will be completed within 3 months with the available funds under Non-Plan.
9	10.4(8)	The zoo has constructed new enclosure to house mongoose, star tortoise and python without obtaining the prior approval of the design from CZA.	Immediately	March 2016	Necessary proposals will be submitted to the CZA for approval of the construction of new enclosure.
10	10.4(9)	Between the standoff and parapet wall of most animal enclosures (pariah kite) the green hedge should be planted.	Immediately	March 2016	This work has been completed as per CZA evolution team's instructions.
11	10.1 (10)	The appropriate signage's should be provided at all animal exhibits containing the biological information about the species.		March 2016	This work will be completed within 3 months with the available funds under Non-Plan.

5.Up keep and health care of animals					
12	10.5(2)	<p>I The food provided to the animals should be checked by the Veterinary Officer of the Zoo.</p> <p>II The zoo should prepared diet schedule for the animals of the Zoo.</p> <p>III The vegetable and fruits provided to the animals should be washed. As the fruits are ripened using various chemical the same should be washed before giving to the animals.</p> <p>IV The zoo should test the food and water provided to the Zoo animals.</p>	<p>Immediately</p> <p>Immediately</p> <p>Immediately</p> <p>Immediately</p>	March 2016	<p>The Zoo has no Veterinarian post. The food provided to the animals is checked by the Forester and Forest Range Officer of the Zoo. The diet schedule for the animals of the Zoo was prepared and it is followed. The vegetable and fruits provided to the animals are being washed regularly as per CZA evolution team's instructions.</p> <p>The food provided to the Zoo animals is tested by the nearest Veterinary Officer, whenever visits the zoo.</p>
13	10.5(5)	I The Zoo should provided drain for disposal of sewage water.	Immediately	March 2016	This work will be completed within 3 months with the available funds under Non-Plan.
		II The Zoo has been throwing the waste in the back side of Rose ringed Parakeet aviary. The same should be stopped.	Immediately		This work has been completed as per CZA evolution team's instructions.
		III For cleaning the animal enclosures, no disinfectant are being used. The zoo should use as the disinfectant as of prescribed by the veterinary Officer of the Zoo.	Immediately		This work is being regularly carried out as per the CZA evolution team's instructions.
14	10.5(9)	The Zoo should carry out screening of Zoo staff for Zoonotic disease every year.	Immediately	March 2016	This work is being carried out regularly as per the CZA evolution team's instructions.
15	10.5 (10) 0)	The Zoo should maintain the keepers diary, Daily Report, Animal history card, Post mortem Reports, De-warming Schedule, Vaccination Schedule, Animal Diet Register.	With immediate effects	March 2016	This work is being regularly carried out as per the CZA evolution team's instructions.

6. Veterinary and infrastructure facilities					
16	10.6(1 c)	The Zoo should have treatment room post mortem room and no quarantine and isolation area	With immediate effects	March 2016	As per the Zoo Rules 2009 with (Amendment) Rules 2013, the mini zoo was exempted from having a separate postmortem room, isolation ward, quarantine ward, animal restraining and tranquilizing equipment's and a veterinary care reference library.
12. Visitors facilities					
17	10.12(2)	The Zoo should have First aid kit and snake anti venom serum and life saving drugs on the zoo campus.	With immediate effects	March 2016	The First-Aid kit is now made available in the zoo and snake anti venom serum will not be provided by the Govt. Hospitals concerned.
18	10.12(3)	The visitors path at the zoo should be modified to facilitate wheel chair bound visitors to visit the animal enclosures.	Immediately	March 2016	This work will be completed within 3 months with the available funds under Non-Plan.
Rule 11. Maintenance of Records and submission of Inventory					
19	11.1	The Zoo operator should submit Quarterly inventory to the CZA. It should be submitted promptly within 15 days from end of the each quarter.	Immediately	March 2016	The CZA evolution team's instructions are noted and will be strictly adhered.
Others					
20		There has been electric line passes through the zoo as part of hill tribal helmet. It needs to be laid properly looking in to the safety of animals and visitors of the Zoo.		March 2016	The CZA evolution team's instructions will be strictly adhered.
21		The Zoo has been burning the leaf litter inside the animal enclosure. It should be stopped immediately.		March 2016	The CZA evolution team's instructions will be strictly adhered.
22		The Zoo is located in Thellai RF may seek prior approval from F.C.Division of MoEF& CC under Forest (Conservation) Act,1980		March 2016	The CZA evolution team instruction will be strictly adhered.



## 29. List of free living wild animals within the zoo premises

### a. Mammals:

1. Indian gaur
2. Spotted Deer
3. Wild boar
4. Bonnet Macaque
5. Bats (Fruit eating)
6. Small Rodents

### b. Birds

White throated kingfisher, Indian paradise fly catcher, Black drongo, Spotted owlet, Jungle owlet, White romper shama, Indian scops owl, Shikara Crested serpent eagle, Asian Palm swift, Indian peafowl, Rock pigeon, Common hawk, cuckoo

### c. Reptiles:

1. Indian Python,
2. Cobra
3. Russell Viper
4. Monitor Lizard,
5. Star tortoise
6. Crocodiles

