

NEHRU PARK CUM MINI
ZOO
DANAKGRE, TURA

Annual Report for the year
2017-18

CONTENTS

S.No	Section	Page Number
1.	Report of the Officer-in-charge	6
2.	History of the Zoo	6
3.	Vision	6
4.	Mission	6
5.	Objective	7
6.	About us	7
7.	Organizational Chart	9
8.	Human Resources	9
9.	Capacity Building of the zoo personnel	10
10.	Zoo Advisory Committee	10
11.	Health Advisory Committee	10
12.	Statement of income and expenditure of the Zoo	10
13.	Daily feed Schedule of animals	10
14.	Vaccination Schedule of animals	11
15.	De-worming Schedule of animals	11

S.No	Section	Page Number
16.	Disinfection Schedule	12
17.	Health Check-up of employees for zoonotic diseases	12
18.	Development Works carried out in the zoo during the year	12
19.	Education and Awareness programmes during the year	12
20.	Important Events and happenings in the zoo	12
21.	Seasonal special arrangements for upkeep of animals	12
22.	Research Work carried out and publications	12
23.	Conservation Breeding Programme of the Zoo	12
24.	Animal acquisition / transfer / exchange during the year	12
25.	Rescue and Rehabilitation of the wild animals carried out by the zoo	12
26.	Annual Inventory of animals	12
27.	Mortality of animals.	12
28.	Status of the Compliance with conditions stipulated by the Central Zoo Authority	Annexure -I
29.	List of free living wild animals within the zoo premises	15

1. **Report of the Officer-in-charge:** The Nehru Park cum Mini Zoo, Danakgre is the only zoo in the Garo Hills region and only the second one in the state. The Nehru Park cum Mini Zoo is important for the region in that it not only provides recreation to the visitors but also acts as a centre for displaced, orphaned and injured animals which could not be released back in the wild due to more or more of the reasons. Many animals are also being rehabilitated here and released back in the wild when certified fit by the Veterinary surgeon of the Zoo.
2. **History of the Zoo:** Prior to the handing over of the Tura Park to the Forest Department, the 'Zoo' was maintained by the District Administration and later under the management of the Forest Department became a small rescue centre. As the number of animals grew and the need for a permanent holding facility was felt, the zoo was shifted to the present location at the Nehru Park at Danakgre. The zoo has since been notified as Mini Zoo under section 38th of the Wildlife (Protection) Act, 1972 by the CZA vide letter no. F No. **19-168/93-CZA/188** dated 10/10/2005.
3. **Vision:** Tura Mini Zoo was basically started for recreation purposes only however, with the advancement of time, the need to protect and conserve global biodiversity and wildlife was realized, therefore it was shifted to present location with the following vision:
 - a. A scientific institution engaged in Animal Welfare, Research, Conservation, Education and Sustainability.
 - b. Best business practice, being efficient, focused and productive, with close attention paid to planning, ecologically sound design and pollution free environmental.
 - c. Outstanding "Value for Money" for all who visit the zoo. Providing fun, entertainment and learning.
4. **Mission**
 - (a) To act as Rescue Centre by receiving and keeping orphaned, seized, rescued and injured wild animals.
 - (b) Develop amongst the visitors an understanding about the ecological linkages with the life supporting processes of nature and the need for keeping them intact by adopting sustainable life styles and living in harmony with nature.
 - (c) Develop amongst visitor's empathy for wildlife and motivate them to support the cause of conservation of wildlife.
 - (d) Compliment the national effort in conservation of wildlife through planned coordinated conservation breeding of endangered wild animal species of the region.
 - (e) Enhancing the role of the zoo in conservation of wildlife through collaborated research aiming at attaining management skilled for in-situ population and carrying out advocacy for protecting the wild animals and their natural habitat

5. Objective: To help protect and conserve global biodiversity and wildlife by inculcating and imparting education to the people about the importance of wildlife which is found in the region. It also functions as a recognised rescue centre for the rescue and rehabilitation of wild animals.

6. About us:

The East & West Garo Hills Wildlife Division is headquartered in Tura , West Garo Hills and has its jurisdiction over North, West , East & South –West Garo Hills Districts of Garo Hills . It looks after the management of Nokrek National Park.

S.No.	Particulars	Information
Basic Information about the Zoo		
1	Name of the Zoo	Nehru park cum mini zoo ,danakgre
2	Year of Establishment	2001
3	Address of the Zoo	Nehru Park cum Mini Zoo, Danakgre Tura 794101, West Garo Hills
4	State	Meghalaya
5	Telephone Number	03651-232225
6	Fax Number	03651-232225
7	E-mail address	Dfo.tura@rediffmail.com
8	Website	-
9	Distance from nearest	Airport: 210 Km (Guwahati Assam)
		Railway Station:90 Km (Resubelpara , North Garo Hills)
		Bus Stand: 10 Km (Tura)
10	Recognition Valid upto (Date)	27/9/2020
11	Category of zoo	Small Zoo
12	Area (in Hectares)	13.04 hectares

S.No.	Particulars	Information
13	Number of Visitors (Financial Year)	Adult : NA
		Children : NA
		Total Indian : NA
		Total Foreigners : NA
		Total Visitors:
14	Visitors' Facilities Available in Zoo	Children's Park, Visitor toilet, resting sheds
15	Weekly Closure Day of the Zoo	Friday
Management Personnel of the zoo		
16	Name with designation of the Officer in-charge	Smt N.R.D.Marak , DFO & Director of the Zoo
	Name of the Veterinary Officer	Dr. Sengbat S. Momin
	Name of the Curator	Shri B.K.Lohar , F.R
	Name of the Biologist	
	Name of the Education Officer	
	Name of the Compounder/ Lab Assistant	
Owner / Operator of the Zoo		
17	*Name of the Operator	Secretary , Forest & Environment Department
18	Address of the Operator	Additional Secretariat, IGP Point , Shillong 793001 ,East Khasi Hills, Meghalaya
19	Contact details/Phone number of Operator	
20	E-mail address of Operator	

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

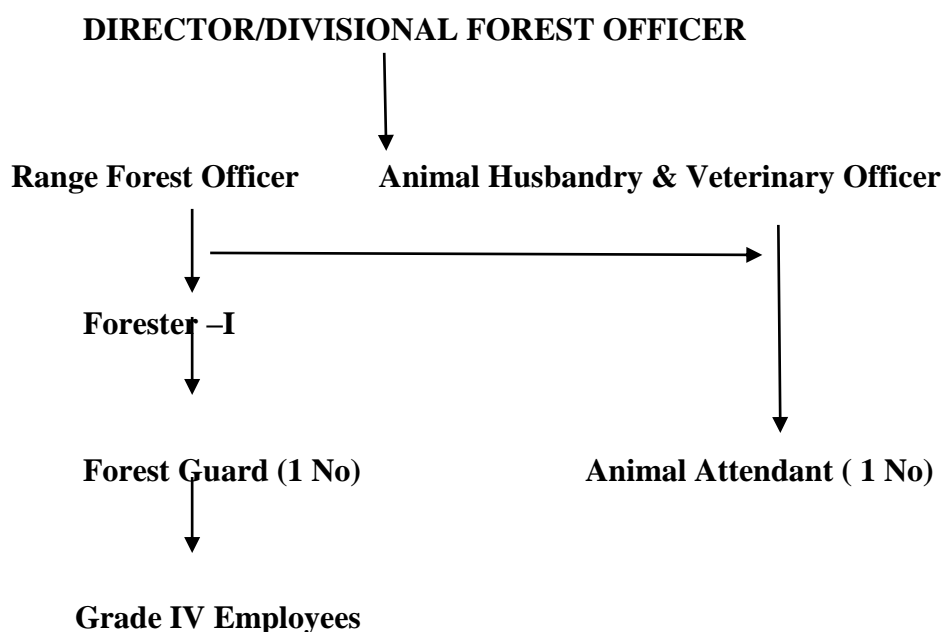
“Zoo Operator” means the person who has ultimate control over the affairs of the zoos provided that _____

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

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

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

7. Organizational Chart :



8. Human Resources

Manpower of the Zoo*

Sl.No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1	Forest Ranger	1	Shri B.K.Lohar
2	Forester-I	1	Shri Sanju Das
3	Forest Guard	1	Shri Wallestone Sangma
4	Animal attendant	1	Shri Pendrick Sangma
5	Gateman	1	Shri Gaseng Sangma
6	Park Mali	1	Shri Gretchilson Marak
7	Veterinary Officer	1	Shri Sengbat S Momin

*Please give abovementioned information in respect of all zoo personnel, from the Officer in-charge upto the Animal Keeper.

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	Dr. Sengbat S Momin A.H & Veterinary Officer	Capacity Building of Indian Zoo Veterinarians on Animal Health Management in Captivity	16/09/17-19/09/17	National Zoological Park New Delhi
2	Shri Sanju Das Fr-I	Zoo Keeper's training	2-1-17 to 6/1/17	Sephahijala Zoo, Tripura
3	Shri Pendrick Sangma Animal Attendant	-Do-	20-11-17 to 25-11-17	Nagaland Zoological Park
4	Shri Wallestone Sangma FrG	-Do-	-Do-	-Do-

10. Zoo Advisory Committee –

- Date of constitution
- Members
- Dates on which Meetings held during the year

11. Health Advisory Committee–

- Date of constitution – 22/12/17
- Members

- Dr. (Mrs) P. Passah Assistant Director (DI) Shillong -**Chairman**
- Dr. (Mrs) J Niangti, A. H. & Veterinary Officer (DI) Shillong -**Member**
- Dr. Sengbat S. Momin A.H.& Veterinary Officer Tura - **Member**

- Dates on which Meetings held during the year. Yet to conduct

12. Statement of income and expenditure of the Zoo: No revenue is being collected as yet.

13. Daily feed Schedule of animals :

Sl.No.	Species	Feed Item	Quantity in grams		Day of fasting
			Winter	Summer	
1.	Macaque	➤ Rice	300	250	Friday
		➤ Vegetables/Fruits	250	200	
		➤ Horse gram	300	250	
2.	Canine	➤ Rice/Vegetables	500	500	Friday
		➤ Meat(Raw)	500	500	
3.	Avian spp	➤ Meat (Beef)	250	250	Friday

	(prey)				
4.	Turtle	➤ Meat	100	100	Friday
		➤ Fish (live)	50	50	
		➤ Shell fish	50	50	
5.	Python	➤ Chicken (live)	----	4500 (bi-monthly)	-----
6.	Ungulates (Muntjak)	➤ Vegetables	400	400	Friday
		➤ Rice	550	550	
		➤ Horse gram	300	300	
		➤ Green fodder	2000	2000	
7.	Ursus thibetanus	➤ Wheat Bran	2500		Friday
		➤ Vegetables/Fruits	250		
		➤ Honey	50		
		➤ Rice (cooked)	250		
8.	Slow Loris	➤ Fruits/Vegetables	150		Friday
		➤ Meat	50		
		➤ Eggs	2 eggs per week		
		➤ Insects	Depending on availability		
9.	Leopard cat	➤ Meat	50	50	Friday

14. Vaccination Schedule of animals

Sl.No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
1.	Muntjac	FMD	Triovac 2 ml	Biannual	
		B.Q.			
		H.S.			
2.	Jackal	Rabies	Raksha rab	Annual	

15. De-worming Schedule of animals

Sl.No.	Species	Drug used	Month
1.	Avian	Albomar susp.	Monthly
2.	Canines	Albomar susp.	Jan-June

3.	Feline	Albomar susp.	Jan-June
4.	Macaque	Albomar susp.	Jan-June
5.	Primates(muntjac)	Albomar susp	Jan-June
6.	Bear (Ursus)	Albomar susp.	Jan-June

16. Disinfection Schedule

Sl.No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1.	Deer	Open Chain-linked	KMnO ₄ , (1:10)	Weekly ,every Monday
2.	Macaque	Closed chain-linked	KMnO ₄ , (1:10)	Weekly ,every Monday
3.	Canine	Closed chain-linked	KMnO ₄ , (1:10)	Weekly ,every Monday
4.	Avian	Closed chain-linked	KMnO ₄ , (1:10)	Weekly ,every Monday
5.	Feline	Closed chain-linked	KMnO ₄ , (1:10)	Weekly ,every Monday
6.	Bear	Closed chain-linked	KMnO ₄ , (1:10)	Weekly ,every Monday

17. Health Check-up of employees for zoonotic diseases

Sl.No.	Name	Designation	Date of Health Check up	Findings of Health Check up
1	Shri Pendrick Sangma	Animal Attendant	quarterly	Negative for zoonotic disease
2	Shri Stephenson Marak	RCW	-Do-	-Do-

18. Development Works carried out in the zoo during the year : Annual maintenance of the visitors' walkways, minor maintenance of existing animal enclosures and aviaries, painting to the existing structures of the zoo etc.

19. Education and Awareness programmes during the year : NIL

20. Important Events and happenings : NIL

21. Seasonal special arrangements for upkeep of animals :NIL

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
		Ursus thiabertanus	Male- 1	Lady Hydari Park, Shillong	7 th August 2017.
B.	Animals going from the zoo				
	H.NO.	Species	Number (M:F)	Going to which Zoo	Date of deposition from the zoo
	-	-	-	-	-

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.	20 th Jan 2017	Python	Sengnang Marak ,F.R.	DFO Wildlife Division, Tura on 10 th Nov 2017	17 th May 2017	
2.	27 th Mar 2017	Leopard Cat	Karak Momin		22 nd April 2017	
3.	8 th November 2017	Python	Sengnang Marak ,F.R.		20 th November 2017	

26. Annual Inventory of animals

Form – II

[See Rule 11(1)]

Part – A

	Amphibians																					
	Total Animals		10	8	14	32			2	3	1		1		2	3	1		10	9	9	31

22. 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	Common Jackal	<i>Canis aureus</i>	M	15/4/2017	Septecemia
2	Brown Wood Owl	<i>Strix leptogrammica</i>	F	18/6/2017	Pneumoenteritis
3	Leopard Cat	<i>Felis bengalensis</i>	M	07/07/17	Pneumonitis
4	Rhesus Macaque	<i>Macaca mulata</i>	M	30/01/18	Acute Nephritis

27. Compliance with conditions stipulated by the Central Zoo Authority :

Enclosed as annexure-I

28. List of free living wild animals within the zoo premises

- a. Mammals : Civet cat , mongoose, common fox , barking deer, porcupine, etc
- b. Birds : Khaliji pheasant , Lesser kestrel , red jungle fowl, emerald dove, etc
- c. Reptiles : Cobra, krait, rat snake , etc

Director
Nehru Park cum Mini Zoo , Danakgre , Tura

**GOVERNMENT OF MEGHALAYA
OFFICE OF THE DIVISIONAL FOREST OFFICER
EAST & WEST GARO HILLS WILDLIFE DIVISION::TURA**

No.A/MWL/GH/Zoo/Pt-III /676

dated Tura, the 21st 12 - 2017

From: The Divisional Forest Officer
East & West Garo Hills Wildlife Division, Tura

To: The Additional Principal Chief Conservator of Forest (Wildlife)
& Chief Wildlife Warden, Meghalaya Shillong

Sub: Renewal of recognition to Nehru Park Cum Mini Zoo Danakgre Tura for a period
beyond 30.9.2016

ref: Your letter No.FWC/G/309/3532 dated 13th December 2017

Sir,

With reference to the subject cited above, I have the honour to submit herewith the compliance report along with factual justification on the directives by CZA vide their letter No. F.No.18-168/93CZA(188)(Vol.I)(PKR)/1858/2017 dated 27/10/2017 as here under.

Sl. No.	Norm No.	Recommendation	Compliance
1	2(1)	The Zoo operator should post a full time office in charge at the Zoo	As per the approved master plan, the ACF is to be posted as full time director of the Zoo. However there is only one ACF posted under this Division against the sanctioned post of two No's at the Division. As the workload of the Division is too much, the undersigned is facing difficulty to spare the present ACF to be posted full time at the Zoo. At present, there is a full time Range officer who is the curator of the Zoo.
2	4(2)	1.Soft shell turtle are to be housed in enclosures prescribed by the CZA	The artificial water body in the soft shell turtle enclosure is to be shaped into a concave form as per CZA norms which would involve complete dismantling of the present structure. But no funds are available for the same and the enclosure would become redundant once the Zoo in its proposed site comes up. However As per suggestion of Shri B.K.Gupta Monitoring & Evaluating Officer CZA, a wooden plank has been provided as enrichment to facilitate the movement of the animal to and from the water.

D/C

	4(2)	2.A visual barrier is to be provided between the Pied hornbill and Crested serpent eagle enclosures	Visual barrier between the two enclosures the aviary has been provided.
		3.Pig tailed macaque and Rhesus macaque are to be separated and not housed together	The animals have been separated and enrichments as per the suggestions of the CZA official has been provided.
		4. Barking deer enclosure is to be provided with feeding and retiring cell.	A temporary resting shed has been constructed
		5. Feeding and resting cell are to be provided to the primates housed in the zoo.	This has been complied with.
3	4(9)	Zoo operator is to provide stand off barriers as per dimesions prescribed by CZA at all herbivore exhibits	Temporary stand off barriers has been provided with locally available materials. As permanent structures cannot be constructed pending shifting and relocation to the permanent site as per the approved master plan of the Zoo, the structures are still of a temporary nature and not as per dimensions prescribed by CZA
4	4(10)	The zoo operator is to provide signaĝe's containing the biological information of the exhibits.	This has been complied with
5	5(8)	Zoo operator is to remove all expired drugs and store no expired drugs in future	All expired drugs have been disposed off.
6	5(9)	The Zoo operator is to carry out screening of Zoo staff for zoonotic diseases	Letter No.PR/Zoo/GH/M.C/27/92 dated 11 th December 2017 received from Range Office to Supt.Civil Hospital West Garo Hills pertaining to the medical check up of the animal attendants of the Zoo is enclosed herewith.
7	5(10)	Zoo operator is to provide individual animal history cards ,treatment records, vaccination ,de-worming, animal diet records for animals housed in the Zoo	This has been complied with.

8	6(1c)	Zoo operator is to provide treatment room at the Zoo.	One room in the present dispensary has been converted specifically for the treatment of the Zoo inmates.
9	6(3)	Zoo operator is to provide isolation and quarantine houses at the Zoo.	The interpretation centre which is not being used is presently being used as isolation and quarantine centre.
10	6(4)	Zoo operator is to make arrangement to provide tranquilising drugs to the Zoo as required by the Veterinary Officer at the zoo. .	The tranquilising drugs are in the process of being acquired.
11	11(1)	Zoo operator is to maintain annual inventory details, records and obtained prior approval of the CWLW for acquisition of rescued animals as mandated under the WPA 1972.	This has been complied with and in the future , acquisition of rescued animals will be done only after prior approval of the CWLW

This is for favour of your kind information and necessary action.

Encl: As above

Yours faithfully

Divisional Forest Officer
East & West Garo Hills Wildlife Division, Tura

No.A/MWL/GH/Zoo/Pt-III/677
Copy to:

Dated Tura, the 21-12-2017

The Conservator of Forest (WL&T) Garo Hills Tura for information.

Divisional Forest Officer
East & West Garo Hills Wildlife Division, Tura