

**ESTIMATE FOR COMPENSATORY AFFORESTATION SCHEME FOR  
DIVERSION OF 2.00 HA OF FOREST LAND FOR PROPOSED  
CONSTRUCTION OF GARBAGE MANAGEMENT PLANT, RINGDANG UNDER  
MANGAN RANGE BY URBAN DEVELOPMENT DEPARTMENT, GOVERNMENT  
OF SIKKIM**

**1. INTRODUCTION:**

The Urban Development Department. (User Agency) Govt. Of Sikkim, has proposed for diversion of 2.00 Ha. Of forest land for construction of Garbage Management Plant under Mangan Territorial Range, North Sikkim.

**2. LOCATIONS / SITES FOR COMPENSATORY AFFORESTATION:**

The proposed locations/site selected for Compensatory Afforestation Scheme (Block Plantation) is Khasmal lands within the Mangan Territorial Range. The areas need to be treated with priority to enhance the environment & ecology in the region. The proposed locations are as under:-

Sl No	Range	Location	Block Plantation	GPS Coordinates	Fencing area in Km
1	Mangan	Ringdang Khasmal	2.00ha x 2	88° 32' 19.2'' E 27° 31' 26.3'' N	1 Km
Total			4.00 ha		

Integrated approach for Block Plantation would be taken up in the above mentioned area. While implementing this scheme, if the above mentioned location needs to be changed based on technical ground and priority, due approval from the government would be taken before starting the works.

**3. INTEGRATED PROGRAMME/METHODOLOGY OF WORKS FOR EXECUTION**

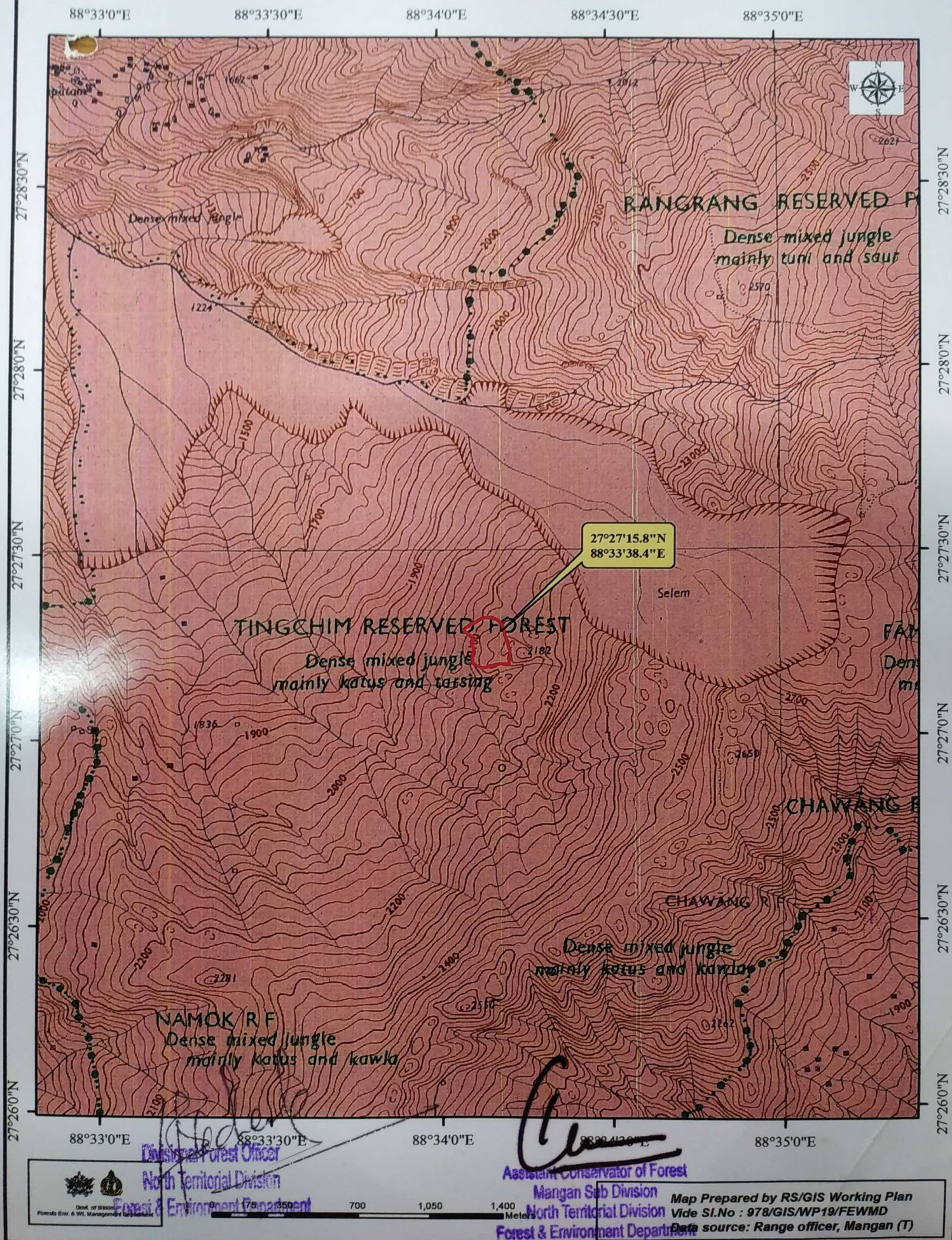
- a. **The seedlings requirement:** The seedlings required for the Block Plantation will be used from the nearest forest nursery on the payment of Department norms.

**Block Plantation:** The planting work will start in the month of May to July by preparing the site with cutting cleaning of bushes & digging of pits of size 45cmx45cmx45cm at a spacing of 2 m each.

- b. **Choice of Sapling:** Locally suitable species like uttis, Malato etc and any other Suitable species will be raised in the pits.



**Compensatory map CA of 4 hectares Regarding the project  
"Construction of solid waste treatment plant at Ringdang, North Sikkim".**





- c. **Fencing:** The area under the plantation would be fenced with Stone wall fencing using locally available stone all around the plantation at venerable points. It is necessary to protect the plantation from biotic interference.
- d. **Protection:** The newly created afforestation shall be protected in biotic interference by providing dry stone wall fencing at vulnerable point and engaging locals as watch and wards. Entire stretches of forest area of high altitude area shall also be protected.
- e. **Maintenance:** The maintenance of plantation will be carried up to 7years for successful establishment of plantation.
- f. **Executing Agency:** The work will be executed by the Department of Forests.
- g. **Monitoring and Evaluation:** The monitoring and evaluation of the project will be done by the Regional Office, Meghalaya, Shillong, Government of India and State Forest Department, Government of Sikkim at interval.
- h. **Schedule of Time:** The work will be executed during the month of June & August in the year 2020-21 subject to availability of fund from User Agency.

#### 4. FINANCIAL FORECAST:

##### Block Plantation: Area =4Ha (low Altitude)

SL. No	Activities	Unit	Approved SOR	Fin.Target(in Rupees)
<b>1.Compensatory Afforestation</b>				
(a)	Creation of Block Plantation of locally suitable species.	4Ha	37735 /-	1,50,940 /-

2.	MAINTENANCE OF BLOCK PLANTATION	Amount (in Rs.)
(a)	Maintenance of 2 <sup>nd</sup> (Twice a year): Two weeding in 2 <sup>nd</sup> year=4ha x @ Rs. 8817/-x 2	70,536/-
(b)	Maintenance 3 <sup>rd</sup> year One weeding in 3 <sup>rd</sup> year= 4ha x @ Rs.5719/- x1	22,876/-
©	Maintenance 4 <sup>th</sup> year Single weeding in 4 <sup>th</sup> year= 4ha x @ Rs.4360/-x1	17,440/-
(d)	Maintenance 5 <sup>th</sup> year Single weeding in 5 <sup>th</sup> year= 4ha x @ Rs.4360x1	17,440/-
(e)	Maintenance 6 <sup>th</sup> year Single weeding in 6 <sup>th</sup> year=4ha x @Rs.4360	17,440/-

(f)	Maintainance 7 <sup>th</sup> year Single weeding in 7 <sup>th</sup> year=4ha x@ Rs.4360	17,440/-
(g)	Maintainance 8 <sup>th</sup> year Single weeding in 8 <sup>th</sup> year=4ha x@ Rs.4360	17,440/-
(h)	Maintainance 9 <sup>th</sup> year Single weeding in 9 <sup>th</sup> year=4ha x@ Rs.4360	17,440/-
(i)	Maintainance 10 <sup>th</sup> year Single weeding in 10 <sup>th</sup> year=4ha x@ Rs.4360	17,440/-
	TOTAL(A+B)=	3,66,432/-
C	Dry stone fencing 1.Km @ Rs.9,54,600 /per km	9,54,600/-
	Total (A+B+C)	<b>Rs.13,21,032/-</b>
D	Over Head/ Monitoring & Evaluation/ Contingencies	
Sl. No	Particulars	Amount (in Rs.)
I	Office Expenses, Stationery, TA/DA, Repair of vehicle/ computer etc. @ 10% of above	1,32,103/-
II	Monitoring & Evaluation @ 2% of above	26,421/-
III	Contingencies @ 4 % of above	52,841/-
	<b>Total D</b>	<b>2,11,365/-</b>
	<b>TOTAL (A+B+C+D) =</b>	<b>15,32,397/-</b>

**Total Amount Rs.**

**(Rupees: Fifteen Lakh Thirty-two thousand three hundred and Ninety- seven only)**

  
 Divisional Forest Officer  
 North Territorial Division  
 Forest & Environment Department

  
 Assistant Conservator of Forest  
 Mangan Sub Division  
 North Territorial Division  
 Forest & Environment Department