

**ESTIMATE FOR COMPENSATORY AFFORESTATION SCHEME FOR  
LAYING OF SINGHIK TO PASSINGDANG TRANSMISSION LINE ON  
SINGLE CIRCUIT TOWER IN NORTH SIKKIM BY ENERGY & POWER  
DEPARTMENT.**

**INTRODUCTION:**

The Energy & Power Department. (User Agency) Govt. Of Sikkim, has proposed for diversion of 0.5844Ha. Of forest land for construction of 66kv S/C Singhik-Passingdang Transmission Line on Single Circuit tower in North Sikkim.

**LOCATIONS / SITES FOR COMPENSATORY AFFORESTATION:**

The proposed locations/site selected for Compensatory Afforestation Scheme (Block Plantation) is Khasmal forest 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	Pakshep-Kazor	0.5844ha x2	88° 32' 44.10'' E / 27° 31' 22.13'' N	1Km
Total			1.1688 ha		

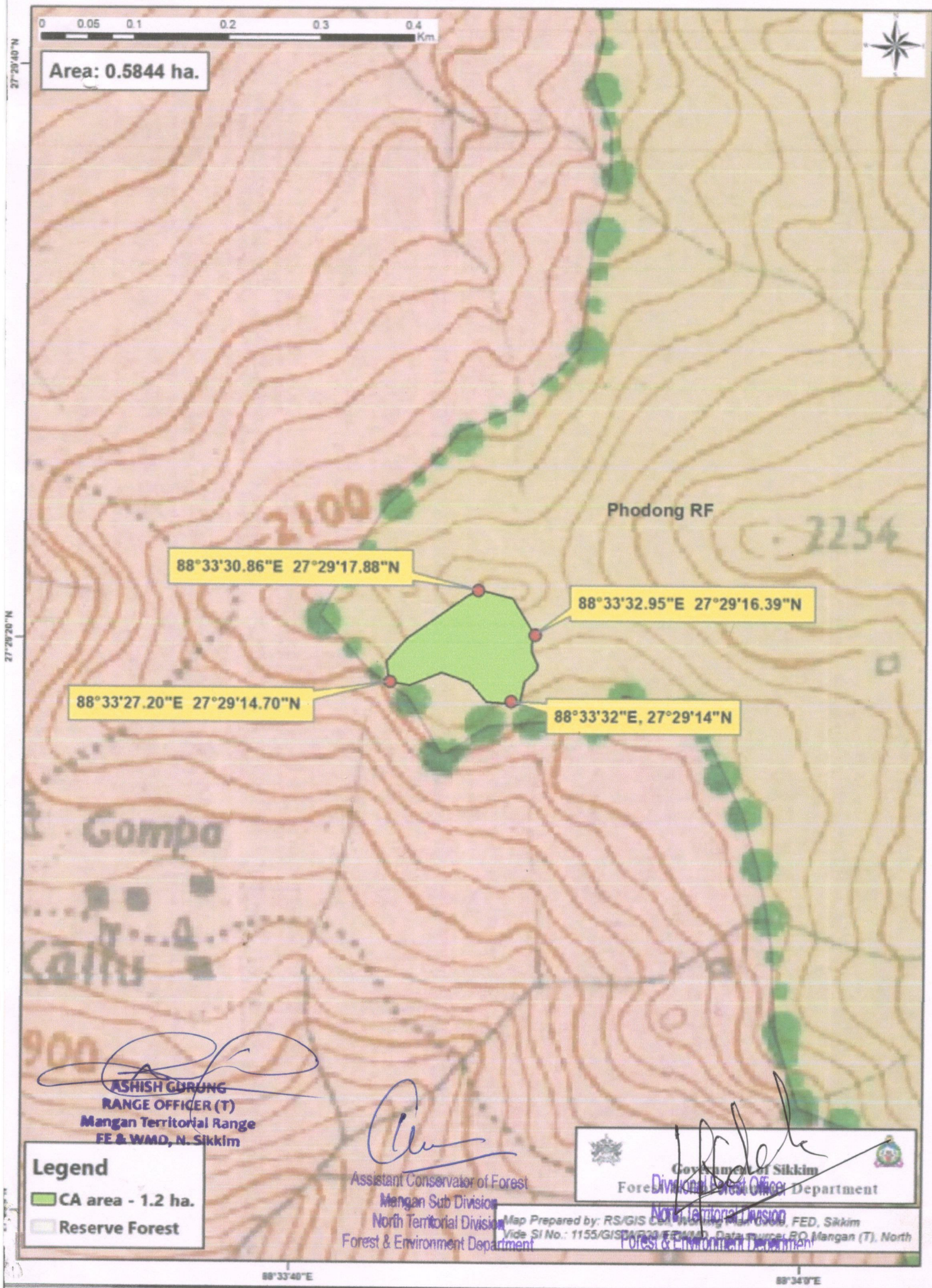
Integrated approach for Block Plantation would be taken up in the above mentioned area. While implementing this scheme, if the above mentioned location needs to be changed based on technical ground and priority, due approval from the government would be taken before starting the works.

**1. 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.
- b. **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 in a staggered manner.
- c. **Choice of Sapling:** Locally suitable species like Chilowney, lopshi, Mawa, Siris, Uttish and any other Suitable species will be raised in the pits.



MAP SHOWING THE LOCATION OF CA OF 1.2 HA. AT PHONDONG RF AGAINST THE DIVERSION OF 0.5844 HA. OF FOREST LAND FOR CONSTRUCTION OF 66KV S/C SINGHIK- PAASINGDONG TL UNDER MANGAN (T) RANGE, NORTH DIVISION





- d. **Fencing:** The area under the plantation will be fenced with Stone wall fencing usually locally available stone all around the plantation at venerable points. It is necessary to protect the plantation from biotic interference.
- e. **Protection:** The newly created afforestation shall be protected in biotic interference by providing Dry stone wall fencing at vulnerable point and locals as watch and wards. Entire stretches of forest area of high altitude area shall also be protected.
- f. **Maintenance:** The maintenance of plantation will be carried up to 7years for successful establishment of plantation.
- g. **Executing Agency:** The work will be executed by the Department.
- h. **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.
- i. **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 in time.

## 2. FINANCIAL FORECAST:

**Block Plantation: Area =1.1688Ha (low Altitude)**


SL. No	Activities	Unit	Approved SOR	Fin.Target(in Rupees)
<b>A. Compensatory Afforestation</b>				
(a)	Creation of Block Plantation of locally suitable species.	1.1688Ha	37735 /-	44,105 /-


<b>B. MAINTENANCE OF BLOCK PLANTATION</b>		Amount (in Rs.)
(a)	Maintenance of 2 <sup>nd</sup> (Twice a year): Two weeding in 2 <sup>nd</sup> year=1.1688ha x @ Rs. 8227/-x 2	19,231/-
(b)	Maintenance 3 <sup>rd</sup> year One weeding in 3 <sup>rd</sup> year= 1.1688ha x @ Rs.8227/- x1	9,616/-
(c)	Maintenance 4 <sup>th</sup> year Single weeding in 4 <sup>th</sup> year= 1.1688ha x @ Rs.4360/-x1	5,096/-
(d)	Maintenance 5 <sup>th</sup> year Single weeding in 5 <sup>th</sup> year= 1.1688ha x @ Rs.4360x1	5,096/-
(e)	Maintenance 6 <sup>th</sup> year Single weeding in 6 <sup>th</sup> year=1.1688ha x @Rs.4360	5,096/-
(f)	Maintenance 7 <sup>th</sup> year Single weeding in 7 <sup>th</sup> year=1.1688ha x@ Rs.3182	3,719/-

(g)	Maintainance 8 <sup>th</sup> year Single weeding in 9 <sup>th</sup> year=1.1688ha x@ Rs.3182	3,719/-
(h)	Maintainance 9 <sup>th</sup> year Single weeding in 9 <sup>th</sup> year=1.1688ha x@ Rs.3182	3,719/-
(i)	Maintainance 10 <sup>th</sup> year Single weeding in 10 <sup>th</sup> year=1.1688ha x@ Rs.3182	3,719/-
	<b>TOTAL(A+B)=</b>	<b>1,03,116/-</b>
C	Dry stone fencing 1Km @ Rs. 9,54,600/km	<b>9,54,600/-</b>
	<b>Total (A+B+C)</b>	<b>10,57,716/-</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	1,05,772/-
II	Monitoring & Evaluation @ 2% of above	21,154/-
III	Contingencies @ 4 % of above	42,309/-
	<b>Total D</b>	<b>1,69,235/-</b>
	<b>TOTAL (A+B+C+D) =</b>	<b>12,26,951/-</b>

**Total Amount Rs.**

**(Rupees: Twelve Lakh Twenty-six thousand Nine hundred and fifty- one only)**

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

  
 Divisional Forest Officer  
 North Territorial Division  
 Forest & Environment Department