

**ESTIMATE FOR COMPENSATORY AFFORESTATION SCHEME FOR  
DIVERSION OF 10.046HA OF FOREST LAND FOR LAYING OF 66 KV  
DOUBLE CIRCUIT FROM CHUNGTHANG- LACHEN TRANSMISSION  
LINE IN NORTH SIKKIM BY ENERGY AND POWER DEPARTMENT,  
GOVERNMENT OF SIKKIM.**

**INTRODUCTION:**

The Energy & Power Department. (User Agency) Govt. Of Sikkim, has proposed for diversion of 10.046ha of forest land for laying of 66 KV Double Circuit from Chungthang-Lachen Transmission line in North Sikkim by Energy and Power Department, Government of 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	<b>Lachen (T) Range</b>	Kala Pathar	15.5ha	88° 29' 48.28'' E 27° 54' 36.26'' N	4Km
2	<b>Lachen (T) Range</b>	Thangu RF	5Ha	88° 32' 26.93'' E 27° 52' 58.81'' N	1Km
Total			<b>20.5Ha</b>		<b>5Km</b>

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**

- 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 in a staggered manner.

- c. **Choice of Sapling:** Locally suitable species like Phaledo, Gurash, Uttish and any other Suitable species will be raised in the pits.
- 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 =20.5Ha (High 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.	20.5Ha	56,602 /-	11,60,341/-
(b)	Soil & Moisture Conservation Works (SMC)	10Ha	81,378/-	8,13,780/-
<b>Total A=</b>				<b>19,74,121/-</b>

<b>MAINTENANCE OF BLOCK PLANTATION</b>		<b>Amount (in Rs.)</b>
(a)	Maintenance of 2 <sup>nd</sup> (Twice a year): Two weeding in 2 <sup>nd</sup> year= 20.5Ha x @ Rs.12,341 /-x 2	5,05,981/-
(b)	Maintenance 3 <sup>rd</sup> year One weeding in 3 <sup>rd</sup> year= 20.5Ha x @ Rs.12,341/- x1	2,52,991/-
(c)	Maintenance 4 <sup>th</sup> year Single weeding in 4 <sup>th</sup> year= 20.5Ha x @ Rs.6,540/-x1	1,34,070/-
(d)	Maintenance 5 <sup>th</sup> year Single weeding in 5 <sup>th</sup> year= 20.5Ha x @ Rs 6,540x1	1,34,070/-
(e)	Maintenance 6 <sup>th</sup> year Single weeding in 6 <sup>th</sup> year= 20.5Ha x @Rs.6540	1,34,070/-

Technical sanction/approval is  
accorded to the estimate for  
Compensatory Afforestation  
Scheme of Rs. 1,14,09,391/-




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(f)	Maintainance 7 <sup>th</sup> year Single weeding in 7 <sup>th</sup> year= 20.5Ha x@ Rs.4772	97,826/-
(g)	Maintainance 8 <sup>th</sup> year Single weeding in 9 <sup>th</sup> year= 20.5Ha x@ Rs.4772	97,826/-
(h)	Maintainance 9 <sup>th</sup> year Single weeding in 9 <sup>th</sup> year= 20.5Ha x@ Rs.4772	97,826/-
(i)	Maintainance 10 <sup>th</sup> year Single weeding in 10 <sup>th</sup> year= 20.5Ha x@ Rs.4772	97,826/-
	<b>TOTAL B=</b>	<b>35,26,607/-</b>
<b>C</b>	<b>FOR PROTECTION</b>	
I	Dry stone fencing 5Km @ Rs. 11,21,655/km	56,08,275/-
II	Engagement of Plantation Supervisor 2Nos320/day for 3Yrs	7,00,800/-
	<b>Total C</b>	<b>63,09,075/-</b>
	<b>TOTAL (A+B+C)</b>	<b>98,35,682/-</b>
<b>D</b>	<b>Over Head/ Monitoring &amp; Evaluation/ Contingencies</b>	
Sl. No	Particulars	Amount (in Rs.)
I	Office Expenses, Stationery, TA/DA, Repair of vehicle/ computer etc. @ 10% of above	9,83,568/-
II	Monitoring & Evaluation @ 2% of above	1,96,714/-
III	Contingencies @ 4 % of above	3,93,427/-
	<b>Total D</b>	<b>15,57,709/-</b>
	<b>TOTAL (A+B+C+D) =</b>	<b>1,14,09,391/-</b>

**(Rupees: One Crore Fourteen Lakh Nine thousand Three Hundred and Ninety-one only)**

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

  
 Divisional Forest Officer  
 North Territorial Division  
 Forest & Environment Department