

ESTIMATE FOR COMPENSATORY AFFORESTATION SCHEME FOR LAYING OF 66KV S/C FROM SINGHIK TO MANGAN TRANSMISSION LINE UNDER CSSTDS IN NORTH SIKKIM BY THE ENERGY & POWER DEPARTMENT.

INTRODUCTION:

The Energy & Power Department. (User Agency) Govt. Of Sikkim, has proposed for diversion of 0.117Ha. Of forest land for construction of 66kv S/C Singhik-Mangan Transmission Line under CSSTDS 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	Singhik to Managn	0.117ha x2	88° 33' 57.23'' E 27° 30' 0.47'' N	1Km
Total			0.234 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 Phaledo, Panisaj, Uttish and any other Suitable species will be raised in the pits.

MAP SHOWING THE LOCATION COMPENSATORY AFFORESTATION AREA OF 0.234 HA. AT MANUL RF AGAINST THE DIVERSION OF AREA 0.117 HA OF FOREST LAND FOR 66KV SC SINGHIK TO MANGAN TL UNDER CSSTDs BY ENERGY & POWER DEPTT., GOVT. OF SIKKIM UNDER MANGAN (T) RANGE, NORTH SIKKIM

0 0.05 0.1 0.2 0.3 0.4 Km.

Kung Spring

Area: 0.234 ha.
88°33'57.23"E 27°30'0.47"N


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

Divisional Forest Officer
North Territorial Division
Forest & Environment Department

Range Officer
Mangan (T) Range
North Sikkim

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- Legend**
-  River
 -  CA area
 -  Reserve Forest

 **Government of Sikkim**
Forest & Environment Department

Map Prepared by: RS/GIS Cell, Working Plan Circle, FED, Sikkim
Vide SI No.: 1326/GIS/WP20/FED, Data source: RO, Mangan (T), North

88°34'0"E

- 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 =0.234Ha (low Altitude)

SL. No	Activities	Unit	Approved SOR	Fin.Target(in Rupees)
A. Compensatory Afforestation				
(a)	Creation of Block Plantation of locally suitable species.	0.234Ha	37735 /-	8,830/-


B. MAINTENANCE OF BLOCK PLANTATION		Amount (in Rs.)
(a)	Maintenance of 2 nd (Twice a year): Two weeding in 2 nd year=0.234ha x @ Rs. 8227/-x 2	3,850/-
(b)	Maintenance 3 rd year One weeding in 3 rd year= 0.234ha x @ Rs.8227/- x1	1,925/-
(c)	Maintenance 4 th year Single weeding in 4 th year= 0.234ha x @ Rs.4360/-x1	1020/-
(d)	Maintenance 5 th year Single weeding in 5 th year= 0.234ha x @ Rs.4360x1	1020/-
(e)	Maintenance 6 th year Single weeding in 6 th year=0.234ha x @Rs.4360	1020/-
(f)	Maintenance 7 th year Single weeding in 7 th year=0.234ha x@ Rs.3182	1020/-

(g)	Maintainance 8 th year Single weeding in 9 th year=0.234ha x@ Rs.3182	7,446/-
(h)	Maintainance 9 th year Single weeding in 9 th year=0.234ha x@ Rs.3182	7,446/-
(i)	Maintainance 10 th year Single weeding in 10 th year=0.234ha x@ Rs.3182	7,446/-
	TOTAL(A+B)=	20,427/-
C	FOR PROTECTION	
I	Dry stone fencing 1Km @ Rs. 9,54,600/km	9,54,600/km
II	Engagement of Plantation Supervisor 2Nos320/day for 3Yrs	7,00,800/-
	TOTAL C=	16,55,400/-
	Total (A+B+C)	16,75,827/-
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	1,67,583/-
II	Monitoring & Evaluation @ 2% of above	33,517/-
III	Contingencies @ 4 % of above	67,033/-
	Total D	2,68,133/-
	TOTAL (A+B+C+D) =	19,43,960/-

Total Amount Rs.

(Rupees: Nineteen Lakh Forty- three thousand Nine Hundred and sixty only)


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


 Divisional Forest Officer
 North Territorial Division
 Forest & Environment Department