



Office of the Divisional Forest Officer (Territorial)
Forest, Environment and Wildlife Management Department
Namchi, South Division

Ref. No:- Y /GOS/FEWMD/DFO (T) South/ 1060

Dtd: 14/02/2019

COMPENSATORY AFFORESTATION SCHEME

NAME OF PROJECT: Proposal for diversion of 4.2613 Ha of Forest land for laying of 66 KV Double Circuit Samardong – Namthang transmission Line.

INTRODUCTION:

Energy & Power Department, Govt. Of Sikkim has put forward the proposal for diversion of 4.2613 Ha of Forest land for laying of 66 KV Double Circuit Samardong – Namthang transmission Line in South Sikkim.

The Compensatory Afforestation Scheme over double the degraded area of forest land is proposed in order to compensate for the loss of forest land maintain an ecological balance in the area.

1. SELECTION OF SITE/LOCATION FOR COMPENSATORY AFFORESTATION

Sl. No	Location	Range	Division	Pltn. Area (Ha)	No. Of seedlings	SMC Area (Ha)	Live Hedge Fencing Length (Km)	Remarks
1	Nagi Khasmal	Namthang	South	8.4	9240	2.1	1	

2. METHODOLOGY OF WORK EXECUTION :

i. Block Plantation :

An integrated approach with plantation and soil moisture conservation work in compact area is proposed. The spacing maybe 2m x 2m with pit size of 45 cm x 45 cm depending upon the actual condition.

- ii. **Fencing & Protection:**
The area proposed for plantation shall be demarcated by stone wall fencing to minimise the biotic interference from cattle and other for the better survival and establishment. Also, the watch and ward maybe engaged as and when required for protection and other plantation related work as well as for extension work.
- iii. **Seedling requirement:**
The requirement of seedlings may be met from the existing nurseries of the Forest department on payment as per the basis approved rates or other sources (if the former option is not available).
- iv. **Choice of species :**
Mixed plantation of site specific timber, firewood and fodder species eg, (*Shorea robusta*, *Schima wallichii*, *Albizia procera* etc.)
- v. **Soil & Moisture Conservation**
Soil & moisture Conservation work over 25% of the total area to be covered by plantation is proposed. Small engineering works with vegetative measures would be taken up.
- vi. **Executing Agency :**
South Territorial Division may execute the work under the supervision of state FCA Cell.
- vii. **Schedule :**
Schedule of execution maybe in the year 2019- 2020 subject to availability of fund in time from the User Agency.
- viii. **Monitoring & Evaluation**
Forest, Environment & Wildlife Management Department, Govt. Of Sikkim and the Regional Office, MoEF, Govt. Of India shall take up the monitoring & evaluation of works.


Divisional Forest Officer (T)
South Division, Namchi

Cost Structure & Financial forecast / Management plan against the trees to be removed along the
 Diversion of 1.2078 Ha of Forest land for Construction of 66 KV / DC Samardong to Namthang TL
 by Energy & Power Dept, Govt of Sikkim in South Sikkim

(A) ADVANCE WORK & CREATION

Sl. No	Particulars	Area (ha/km)	Rate (Rs./ha)	Amount (in rupees)
1	Cost of block plantation (all complete)	8.52	37,735	321502.2
2	Soil & Moisture Conservation (by biological measure) 25% of the plantation area	2.13	45,931	97833.03
3	Live hedge fencing at vulnerable points	1	45,627	45627
4	Sub - total of A			464962.23

(B) MAINTENANCE UPTO 6 YEARS

Sl. No	Particulars	Area (in ha)	Rate (Rs/ha)	Amount (in rupees)
i	1st year maintenance of plantation	8.52	6196	52789.92
ii	2nd year maintenance of plantation	8.52	3947	33628.44
iii	3rd year maintenance of plantation	8.52	3001	25568.52
iv	4th year maintenance of plantation	8.52	3001	25568.52
v	5th year maintenance of plantation	8.52	3001	25568.52
vi	6th year maintenance of plantation	8.52	3001	25568.52
vii	1st year maintenance of live hedge fencing (10% of the cost)	1	4563	4563
viii	2nd year maintenance of live hedge fencing (10% of the cost)	1	4563	4563
ix	3rd year maintenance of live hedge fencing (10% of the cost)	1	4563	4563
	Sub-total of B			202381.44
	Total (A+B)			667343.67

(C) OVERHEAD/MONITORING & EVALUATION/CONTINGENCIES

Sl. No.	Particulars	Total Amount (A+B)	Rate /ha (in % of total)	Amount (in rupees)
i	Office Expenses, Stationery , TA/DA, Repair of Vehicle type writer / computer etc (5% of total	667343.67	5	33367.1835
ii	Monitoring & Evaluation inspection of works (2% of the total cost (A+B)	667343.67	2	13346.8734
iii	Contingencies, cost of escalation and other unforeseen expenditure (4% of the total cost (A+B)	667343.67	4	26693.7468
iv	Sub- total of C			73407.8037
v	Grand Total (A+B+C)			740751.4737

Total Rs. 7,40,752/-

(Rupees Seven Lakhs Forty Thousand Seven Hundred and Fifty Two only)

Range Officer (T)
 Namthang Range

Asst. Conservator of Forest (T)
 Namchi, South Sikkim

Divisional Forest Officer
 South Territorial Division
 Divisional Forest Office, T)
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