



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

Ref. No:- Q /GOS/FEWMD/DFO (T) South/ 1563

Dtd: 14/02/2019

**COMPENSATORY AFFORESTATION SCHEME**

**NAME OF PROJECT:** Proposal for diversion of 4.4 Ha of Forest land for laying of 220 KV Double Circuit Rangpo(PG) -Samardong Transmission Line.

**INTRODUCTION:**

Energy & Power Department has put forward the proposal for diversion of 4.4 Ha of Forest land for laying of 220 KV Double Circuit Rangpo(PG) -Samardong Transmission Line.

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	Samardong RF	Namthang	South	8.8	9680	2.2	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 may be 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*, *Tectona grandis*, *Schima wallichii* 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 2015- 2016 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 4.4 Ha of Forest land for Construction of 66 KV / DC Rangpo to Samardong 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)	8.8	37,735	332068
2	Soil & Moisture Conservation (by biological measure ) 25% of the plantation area	2.2	45,931	101048.2
3	Live hedge fencing at vulnerable points	1	45,627	45627
4	<b>Sub - total of A</b>			<b>478743.2</b>

**(B) MAINTENANCE UPTO 6 YEARS**

Sl. No.	Particulars	Area (in ha)	Rate (Rs/ha)	Amount (in rupees)
i	1st year maintenance of plantation	8.8	6196	54524.8
ii	2nd year maintenance of plantation	8.8	3947	34733.6
iii	3rd year maintenance of plantation	8.8	3001	26408.8
iv	4th year maintenance of plantation	8.8	3001	26408.8
v	5th year maintenance of plantation	8.8	3001	26408.8
vi	6th year maintenance of plantation	8.8	3001	26408.8
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
	<b>Sub-total of B</b>			<b>208582.6</b>
	<b>Total (A+B)</b>			<b>687325.8</b>

**( 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	687325.8	5	34366.29
ii	Monitoring & Evaluation inspection of works (2% of the total cost (A+B)	687325.8	2	13746.516
iii	Contingencies, cost of escalation and other unforeseen expenditure (4% of the total cost (A+B)	687325.8	4	27493.032
iv	<b>Sub- total of C</b>			<b>75605.838</b>
v	<b>Grand Total (A+B+C)</b>			<b>762931.638</b>

**Total Cost : Rs. 7,62,932/-**

**( Rupees Seven Lakhs Sixty Two Thousand Nine Hundred and Thirty Two only )**

Range Officer (T)  
 Namthang Range

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

  
 Divisional Forest Officer (T)  
 South Division, Namchi