



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

Ref. No:- 10 /GOS/FEWMD/DFO(T)South/

Dt: // / 01 /2017

COMPENSATORY AFFORESTATION SCHEME

NAME OF PROJECT: Construction of 220 KV D/C New Melli to Legship pool Transmission Line South Sikkim.

INTRODUCTION:

Power Grid Corporation of India has put forward the proposal for diversion of 2.1875 Ha of forest land for Construction of 220 KV D/C New Melli to Legship pool Transmission Line 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.	Sanganath	Namchi	South	5	5500	0.25	1 km	

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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. *Castronopsis hystrix*, *Michelia cathcartii*, *Quercus lamellose* 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.


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Compensatory Afforestation against trees&poles to be removed in the diversion of 2.1875 Ha of Forest land for the Laying of 220 KV D/C New Melli to Legship pool Transmission Line by Energy & Power Department, 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)	5	37,730	188650
2	Soil & Moisture Conservation (by biological measure) 25% of the plantation area	1.25	45,931	57413.75
3	Live Hedge Fencing	1	45,627	45627
4	Sub - total of A			291690.75

(B) MAINTENANCE UPTO 3 YEARS

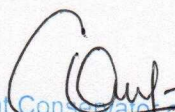
Sl. No.	Particulars	Area (in ha)	Rate (Rs/ha)	Amount (in rupees)
i	1st year maintenance of plantation	5	6196	30980
ii	2nd year maintenance of plantation	5	3947	19735
iii	3rd year maintenance of plantation	5	3001	15005
iv	1st year maintenance of live hedge fencing	1	3001	3001
v	2nd year maintenance of live hedge fencing	1	1697	1697
vi	3rd year maintenance of live hedge fencing	1	1697	1697
	Sub-Total of B			72115
	Total (A+B)			363805.75


(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	363805.75	5	18190.288
ii	Monitoring & Evaluation inspection of works (2% of the total cost (A+B)	363805.75	2	7276.115
iii	Contingencies, cost of escalation and other unforeseen expenditure (4% of the total cost (A+B)	363805.75	4	14552.23
iv	Sub- total of C			40018.633
v	Grand Total (A+B+C)			403824.38

Total Cost : Rs. 4,03,824/-

(Rupees Four Lakh Three Thousand Eight Hundred and Twenty Four Only)


Assistant Conservator of Forest
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