



GOVERNMENT OF SIKKIM

OFFICE OF THE DIVISIONAL FOREST OFFICER (TERRITORIAL) SOUTH
FORESTS, ENVIRONMENT & WILDLIFE MANAGEMENT DEPARTMENT

District Administrative Centre, Namchi, South Sikkim, PIN 737126

COMPENSATORY AFFORESTATION SCHEME

NAME OF PROJECT: “Construction of 220 KV D/C Transmission line from THEP Switch Yard (Kagaythang) to Energy and Power Dept./PGCIL Legship pooling station, Tingmoo, South Sikkim.”

INTRODUCTION:

The location of the powerhouse and switchyard (already approved) at Kagaythang and the proposed Legship pooling station of Energy and Power Department/PGCIL at Tingmoo, requires drawl of 220KV D/C Transmission line. The land proposed for evacuation of power from THEP Switch Yard at Kagaythang, West Sikkim to Energy and Power Department/PGCIL Legship pooling station at Tingmoo, South Sikkim is total of 2.3415 ha (Forest Land in South District: 1.0220 ha and Forest Land at West District: 1.3915 ha).

The following table shows the detail of Compensatory Afforestation for the proposed forestland diversion of South District i.e. 1.0220 ha

Sl. No.	Location	Division	Proposed Forest land (ha)	Pltn. Area (ha)	No of seedlings (1100nos/ ha)	SMC Area (ha)	Stone wall fencing (KM)
1	ManeydaraGorucharan	South Territorial	1.0220	2.044	1278	1.022	0.400

1. SITE SELECTION FOR COMPENSATORY AFFORESTATION SCHEME:

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 may be 3 m x 3 m with pit size 40 cm x 40 cm x 40 cm depending upon the actual condition.



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ii) Fencing & Protection

The area proposed for plantation shall be fenced with dry stone wall to minimize 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 would 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

Site-specific native species would be planted like Machilus edulis, Michelia spp., Acer campbellii, etc.

v) Soil & Moisture Conservation

Since the area is dry and degraded soil and moisture conservation measures (Bioengineering measure) over 50 % of the total Plantation area to be covered is proposed.

vi) Protection works.

Dry Stone Wall over 400 m area along the vulnerable boundary point of the plantation site is proposed where biotic pressure is likely to occur.

vii) Executing Agency

Territorial Division, South under the supervision of State FCA Cell, Head Office, Gangtok.

viii) Schedule

Schedule of execution may be in the year 2016-17 subject to availability of fund in time from the User Agency.

ix) Monitoring & Evaluation

Forest, Environment & Wild life Management Department, Govt. of Sikkim and the Regional Office, MoEF, Govt. of India shall take up the monitoring & evaluation of the works.



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4. Cost structure & financial forecast/work programme:

(A) ADVANCE WORK & CREATION

S.N.	Particulars	Area (ha/KM)	Rate (Rs./ha/KM)	Amount (in Rupees)
(i)	Cost of block plantation(All complete)	2.044	37730	77120
(ii)	Soil and moisture conservation (by bioengineering measure) 50 % of the total plantation area.	1.022	45,931	46942
(iii)	Dry stone wall fencing	0.400	741651	296660
Sub-Total- A				4,20,722/-/-

B. MAINTENANCE UPTO 3 YEARS.

S.N.	Particulars	Area(ha)	Rate (Rs./ha)	Amount (in Rupees)
(i)	2nd year maintenance of Plantation	2.044	6196	12,664
(ii)	3rd year maintenance of Plantation	2.044	3947	8067
(iii)	Maintenance of dry stone for next 3 years (30% of the cost)	0.400	741651	88998
(iv)	Awareness/extension/ training/publicity and documentation etc.		LS	1,00,000
Sub-Total-B				2,09,729/-
Total (A+B)				6,30,451/-



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C. OVER HEAD/MONITORING & EVALUTION/CONTINGENCIES:

Sl. No.	Particulars	Total Amount(Rs. A+B)	Rate (Rs.)	Amount (in Rs.)
(i)	Office Expenses, Stationery, TA/DA, Repair of Vehicle type writer/computer etc.[5 % of total cost (A + B)]	630451	5%	31522
(ii)	Monitoring & Evaluation inspection of works [2% of the total cost(A + B)]	630451	2%	12609
(iv)	Contingencies, cost of escalation and other unforeseen expenditure [4% of the total cost(A + B)]	630451	4%	25218
(v)	Sub-Total-C			94,568
				69,349
				4,60,917.00
	Grand-Total (A+B+C)			6,99,800 7,97,368.00

(Rupees Six Lakhs Ninety Nine Thousand and Eight Hundred) only

(Rupees seven lakh ninety seven lakh three hundred sixty eight) only

(Sangay Kazi) SFS
Divisional Forest Officer
South Territorial Division
Divisional Forest Officer (T)
South Division, Namchi

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