

COMPENSATORY AFFORESTATION SCHEME

NAME OF PROJECT: Proposal for diversion of 0.6 Ha of Forest Land for widening of Budang, Chumbung, Chakung road in West Sikkim by Roads & Bridges Department, Govt. of Sikkim.

INTRODUCTION: Roads & Bridges Department, Govt. of Sikkim is executing widening of Budang, Chumbung, Chakung road in West Sikkim.

The Compensatory Afforestation Scheme (Avenue Plantation with bamboo basket) is proposed in order to compensate for the loss of forest land and to maintain an ecological balance in the area.

1. SELECTION OF SITE/LOCATION FOR COMPENSATORY AFFORESTATION

Sl. No	Location	GPS-coordinates	Range	Division	Pltn. Area (Km)
1.	Road Reserve (Chumbung to Budang road)	P1-N-27°08'125" E-88°14'089" P2-N-27°08'034" E-88°14'066" P3-N-27°08'421" E-88°14'074" P4-N-27°08'286" E-88°13'895"	Soreng	West (T)	2 Km

2. METHODOLOGY OF WORK EXECUTION:

- i. Avenue Plantation: An integrated approach with plantation protected by Bamboo Basket along the highway is proposed. The spacing may be 2m x 2m with pit size of 30 cm x 30 cm depending upon the actual condition.
- ii. Fencing & Protection: The plantation shall be protected by bamboo basket from cattle grazing and other interference 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 ornamental and flowering species.
- v. Soil & Moisture Conservation: NA
- vi. Executing Agency: West Territorial Division may execute the work under the supervision of state FCA Cell.
- vii. Schedule: Schedule of execution may be in the year 2020-21 subject to availability of fund in time from the User Agency.

- viii. Monitoring & Evaluation: Forest & Environment Department, Govt. of Sikkim and the Regional Office, MoEF&CC, Govt. of India shall take up the monitoring & evaluation of works.

(A) ADVANCE WORK & CREATION

Sl. No	Particulars	Area (km)	Rate (Rs./Km)	Amount (in rupees)
1.	Cost of Avenue Plantation with BB (all complete) including transportation cost	1	64195+2800	66995.00
	Sub-total of A			66995.00

(B) MAINTENANCE UPTO 3 YEARS

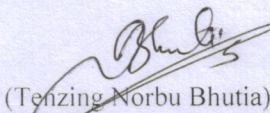
Sl. No.	Particulars	Area (in Km)	Rate (Rs/ha)	Amount (in rupees)
i.	1st Year Maint. (Two Weeding)	1	5745	5745
ii	2nd Year Maint. (Two Weeding)	1	4206	4206
iii	3rd Year Maint. (One weeding)	1	3569	3569
	Sub-total of B			13520.00
	Total (A+B)			80515.00

(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, computer etc (5% of total	80515	5	4026.00
ii	Monitoring & Evaluation inspection of works (2% of the total cost (A+B)	80515	2	1610.00
iii	Contingencies, cost of escalation and other unforeseen expenditure (4% of the total cost (A+B)	80515	4	3221.00
iv	Sub-Total of C			8857.00
v	Grand Total (A+B+C)			89372.00

Avenue Plantation with bamboo basket for 2 Kms. Total cost 2 X 89372 = **178744.00**

(Rupees One Lakhs Seventy Eight Thousand Seven Hundred Forty Four) only/-


(Tenzing Norbu Bhutia), SFS
Divisional Forest Officer
West Territorial Division

D. F. O. (T)
WEST