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COMPENSATORY AFFORESTATION SCHEME

NAME OF PROJECT: Proposal for diversion of 1.02 Ha of Forest land construction of New approach road from Tikjuk Mechanical Workshop to Ninshang Gumpa via Byadong Tikpotam in West Sikkim by Roads & Bridges Department, Govt. of Sikkim.

INTRODUCTION:

Roads & Bridges Dept. Govt. of Sikkim has put forward the proposal for Proposal for diversion of 1.02 Ha of Forest land for construction of new approach road from Tikjuk Mechanical Workshop to Ninshang Gumpa via Byadong Tikpotam in West 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 and to 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)	Remarks
1.	Guruthang Khas	Geyzing	West (T)	2 Ha	2000	0.5	

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 1m x 1m with pit size of 40 cm x 40 cm x 40 cm depending upon the actual condition.
- ii. Fencing & Protection: The area proposed for plantation shall be protected by Barbed Wire fencing with Bally/Wooden Posts 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
- v. 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: West Territorial Division may execute the work under the supervision of state FCA Cell.

- vii. Schedule: Schedule of execution maybe 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 (ha/km)	Rate (Rs./ha)	Amount (in rupees)
1	Cost of block plantation including transportation cost (all complete)	2	37,735 +2100=39835	79670
2	Soil & Moisture Conservation (by biological measure) 25% of the plantation area	0.5	54770	27385
3	Barbed Wire fencing with Bally/Wooden Posts in 8 strand of barbed wire (all complete)	0.5	381295	190648
4.	Plantation chowkidar 1 No	1 yr	300X365	109500
4	Sub - Total of A			407203

(B) MAINTENANCE UPTO 10 YEARS

Sl. No.	Particulars	Area (in ha)	Rate (Rs/ha)	Amount (in rupees)
i	1st Yr. Maint. (Two Weeding operation)	2	10,847	21694
ii	2 nd & 3 rd Yr. Maint (Two Weeding Operation)	2	8227	32908
iii	4 th 5 th & 6 th Yr. Maint. (One weeding Operation)	2	4360	26160
iv	7 th 8 th 9 th & 10 th Yr. Maint. (One weeding Operation)	2	3182	25456
	Sub-Total of B			106218
	Total (A+B)			513421

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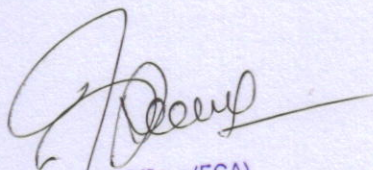
(C) OVERHEAD / MONITORING & EVALUATION/CONTINGENCIES

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)	513421	5	25671
ii	Monitoring & Evaluation inspection of works (2% of the total cost (A+B))	513421	2	10268
iii	Contingencies, cost of escalation and other unforeseen expenditure (4% of the total cost (A+B))	513421	4	20537
iv	Sub-Total of C			56476
v	Grand Total (A+B+C)			569897

(Rupees Five Lakhs Sixty Nine Thousand Eight Hundred Ninety Seven) only


Divisional Forest Officer
West Territorial Division
DFO (T)
WEST

Technical sanction/approval is
accorded to the estimate for
Compensatory Afforestation
Scheme of Rs... 5,69,897/-


CCF-cum-Nodal Officer (FCA)
Deptt. of Forests, Env. & W/L Mangt.
Govt. of Sikkim Deorali, Gangtok.