

## COMPENSATORY AFFORESTATION SCHEME

**NAME OF PROJECT:** Proposal for Diversion of 1.0935 of Forest Land for Construction of Car Parking & Kissan Market at Gyalshing, West Sikkim by Urban Development and Housing, Govt. of Sikkim.

**INTRODUCTION:** Urban Development and Housing, Govt. of Sikkim is Constructing Car Parking & Kissan Market at Gyalshing, West Sikkim.

The Compensatory Afforestation Scheme (Block Plantation-AR) and Soil & Moisture Conservation Work is proposed in order to compensate for the loss of forest land and to maintain an ecological balance in the area.

### SELECTION OF SITE/LOCATION FOR COMPENSATORY AFFORESTATION

Sl.No	Location	GPS-coordinates	Range	Division	Area
1.	Sangchu Reserve Forest (Khorong)	P1-N-27°17'31.05" E-88°13'08.71" P2-N-27°17'30.00" E-88°13'01.31" P3-N-27°17'34.05" E-88°13'02.84" P4-N-27°17'33.12" E-88°13'09.25"	Gyalshing	West (T)	2 Ha.

#### I. METHODOLOGY OF WORK EXECUTION :

- i. Block Plantation: An integrated approach with plantation is proposed. The spacing may be 1m x 1 with pit size of 30 cm x 30 cm depending upon the actual condition.
- ii. Fencing & Protection: The plantation area falls within forest area and there is minimum interference from cattle grazing and other interference 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 indigenous fruit bearing and Timberable species.
- v. Soil & Moisture Conservation: SMC work has been proposed.
- 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 2021-22 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 & CREATION WORKS

Sl. No	Particulars	Area(in Ha)	Rate (Rs/Ha)	Amount (in rupees)
1.	Cost of Block Plantation- AR (all complete) including transportation cost	1	37,735 + 2,800	40,535.00
	Sub-total of A			<b>40,535.00</b>

(B) MAINTANENCE UPTO 10 YRS

Sl. No.	Particulars	Area(in Ha)	Rate (Rs/Ha)	Amount (in rupees)
(a)	1st Yr. Maint. (Two Weeding operation)	Ha	10,847	10,847
(b)	2nd Yr. Maint (Two Weeding Operation)	Ha	8,227	8,227
(c)	3 <sup>rd</sup> Yr. Maint. (Two weeding Operation)	Ha	8,227	8,227
(d)	4 <sup>th</sup> Yr. Maint. (One weeding Operation)	Ha	4,360	4,360
(e)	5 <sup>th</sup> Yr. Maint. (One weedingOperation)	Ha	4,360	4,360
(f)	6 <sup>th</sup> Yr. Maint. (One weeding Operation)	Ha	4,360	4,360
(g)	7 <sup>th</sup> Yr. Maint. (One weeding Operation)	Ha	3,182	3,182
(h)	8 <sup>th</sup> Yr. Maint. (One weeding Operation)	Ha	3,182	3,182
(i)	9 <sup>th</sup> Yr. Maint. (One weeding Operation)	Ha	3,182	3,182
(j)	10 <sup>th</sup> Yr. Maint. (One weeding Operation)	Ha	3,182	3,182
	Sub-total of B			<b>53109.00</b>

(C) SOIL & MOISTURE CONSERVATION WORK

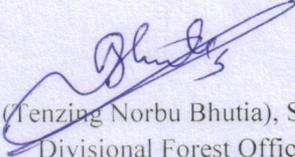
Sl. No	Particulars	Area (Ha)	Rate (Rs/Km)	Amount (in rupees)
1.	Soil & Moisture Conservation Work	1	54,770 + 1,400	56,170.00
	Sub-total of C			<b>56,170.00</b>
	Total of (A+B+C)			<b>1,49,814.00</b>

(D) OVERHEAD / MONITORING & EVALUATION/CONTINGENCIES

Sl. No.	Particulars	Total Amount (A+B+C)	Rate /ha ( in % of total)	Amount (in rupees)
i	Office expenses, Stationery ,TA/DA, Repair of Vehicle, computer etc (5% of total	1,49,814	5	7491.00
ii	Monitoring & Evaluation inspection of works (2% of the total cost (A+B)	1,49,814	2	2996.00
iii	Contingencies, cost of escalation and other unforeseen expenditure (4% of the total cost (A+B)	1,49,814	4	5993.00
iv	Sub-total of D			<b>16,480.00</b>
v	Grand Total (A+B+C+D)			<b>1,66,294.00</b>

Total Cost of Block Plantation and SMC works for 2 Ha. Area 2 X 1, 66,294.00= **3,32,588.00**

**(Rupees Three Lakhs Thirty Two Thousand Five Hundred Eighty Eight) only/-**

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

**D. F. O. (T)**  
**WEST**