

## **COMPENSATORY AFFORESTATION SCHEME**

**NAME OF PROJECT:** Diversion of Forest Land for construction of 2-lane Specification Road with Paved Shoulder as Re-alignment of Existing Stretch between Legship to Gyalshing of NH-510 (from Km 75.00 to Km 90.210) (Package-VI) in West Sikkim.

**INTRODUCTION:** NHIDCL under Ministry of Road Transport & Highways, Govt. of India, is Constructing 2-lane Specification Road with Paved Shoulder as Re-alignment of Existing Stretch between Legship to Gyalshing of NH-510 (from Km 75.00 to Km 90.210) (Package-VI) in West Sikkim

The Compensatory Afforestation Scheme (Block Plantation-AR), Soil & Moisture Conservation Work, dry stone wall and Angel iron fencing are 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.	Birpung, Nambu RF	N-27°18'09.56" E-88°09'16.15"	Gyalshing	West (T)	5.5 Ha

### **1. 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:** Barbed wire fencing in 8 strand with bally/wooden posts is proposed for protection of plantation 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 2022-2023 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	5.5	37,735 + 2,800	2,22,943.00
	Sub-total of A			<b>2,22,943.00</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)	5.5	10,847	59,659
(b)	2 <sup>nd</sup> & 3 <sup>rd</sup> Yr. Maint (Two Weeding Operation)	5.5	8,227	90,497
(c)	4 <sup>th</sup> , 5 <sup>th</sup> & 6 <sup>th</sup> Yr. Maint. (One weeding Operation)	5.5	4,360	71,940
(d)	7 <sup>th</sup> , 8 <sup>th</sup> , 9 <sup>th</sup> , & 10 <sup>th</sup> Yr. Maint. (One weeding Operation)	5.5	3,182	70,004
	Sub-total of B			<b>2,92,100.00</b>

(C) SOIL & MOISTURE CONSEVATION & BARBED WIRE FENCING WITH BALLY POST

Sl. No	Particulars	Area	Rate (Rs/Km)	Amount (in rupees)
1.	Soil & Moisture Conservation Work	3 Ha	54,770 + 1,400	1,68,510.00
2.	Barbed wire fencing in 8 strand with bally/wooden posts	2 Km	3,81,295 + 6000	7,74,590.00
	Sub-total of C			<b>9,43,100.00</b>
	Total of (A+B+C)			<b>14,58,143.00</b>

(D) OVERHEAD / MONITORING & EVALUATION/CONTINGENCIES

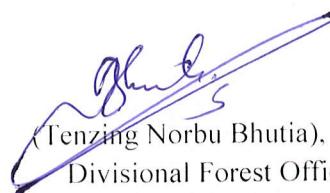
Sl. No.	Particulars	Total Amount (A+B+C)	Rate( in % of total)	Amount (in rupees)
I	Office expenses, Stationery, TA/DA, Repair of Vehicle, computer etc (5% of total cost)	14,58,143	5	72,905.00
ii	Monitoring & Evaluation inspection of works (2% of the total cost)	14,58,143	2	29,162.00
iii	Contingencies, cost of escalation and other unforeseen expenditure (4% of the total cost)	14,58,143	4	58,324.00
	Sub-total of D			<b>1,60,391.00</b>
	Grand Total (A+B+C+D)			<b>16,18,534.00</b>

Total Cost of Compensatory Afforestation Scheme = **16, 18,534.00**

**(Rupees Sixteen Lakhs Eighteen Thousand Five Hundred Thirty Four) only**



Technical sanction/approval is  
accorded to the estimate for  
Compensatory Afforestation  
Scheme of Rs...16,18,534/-



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

**DFO (T)  
WEST**