



**Office of the Divisional Forest Officer (Territorial)  
Forest, Environment and Wildlife Management Department  
Namchi, South Division.**

Ref. No:- 15 /GOS/FEWMD/DFO(T)South/

Dt: 3 / 8 /2015

## COMPENSATORY AFFORESTATION SCHEME

**NAME OF PROJECT:** **Proposal for diversion of 8.052 Ha of Forest and for widening / construction of 2 lane road from Tarku – Damthang – Namchi in South 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 8.052 Ha of Forest and for widening / construction of 2 lane road from Tarku – Damthang – Namchi in South Sikkim by Roads & Bridges Department, Govt. Of 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 maintain an ecological balance in the area.

## 1. SELECTION OF SITE/LOCATION FOR COMPENSATORY AFFORESTATION

**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 2m x 2m with pit size of 45 cm x 45 cm depending upon the actual condition.
- ii. **Fencing & Protection:**

The area proposed for plantation shall be demarcated by stone wall fencing 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 eg. *Schima wallichii*, *Quercus lamellosa*, *Michelia cathcartii*, *Castronopsis hystrix* etc.
- v. **Soil & Moisture Conservation**

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 :**

South Territorial Division may execute the work under the supervision of state FCA Cell.
- vii. **Schedule :**

Schedule of execution maybe in the year 2015- 2016 subject to availability of fund in time from the User Agency.
- viii. **Monitoring & Evaluation**

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



COST STRUCTURE / FINANCIAL FORECAST / WORK PROGRAMME

(A) ADVANCE WORK & CREATION

Sl. No	Particulars	Area (ha/km)	Rate (Rs./ha)	Amount (in rupees)
1	Cost of block plantation (all complete)	16.1	37,730	607453
2	biological measure ) 25% of the plantation area	4	45,931	183724
3	Dry Stone Wall Fencing	3	741,651	2224953
4	Cost of growing seedling including the cost of nursery inputs etc. (complete)	2	434,234	868468
	<b>Sub - Total of A</b>			<b>3884598</b>

(B) MAINTENANCE UPTO 3 YEARS

Sl. No.	Particulars	Area (ha/km)	Rate (Rs/ha)	Amount (in rupees)
i	2nd year maintenance of plantation	16.1	6196	99755.6
ii	3rd year maintenance of plantation	16.1	3947	63546.7
iii	4th year maintenance of plantation	16.1	3001	48316.1
iv	5th year maintenance of plantation	16.1	3001	48316.1
v	6th year maintenance of plantation	16.1	1697	27321.7
vi	7th year maintenance of plantation	16.1	1697	27321.7
vii	8th year maintenance of plantation	16.1	1697	27321.7
viii	9th year maintenance of plantation	16.1	1697	27321.7
ix	10th year maintenance of plantation	16.1	1697	27321.7
x	Maintenance of Dry Stone Wall (10 % of cost )	2224953	0.1	222495.3
	<b>Sub-total of B</b>			<b>619038.3</b>
	<b>Total (A+B)</b>			<b>4503636.3</b>

( 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 type writer / computer etc (5% of total)	4503636.3	5	225181.815
ii	Monitoring & Evaluation inspection of works (2% of the total cost (A+B)	4503636.3	2	90072.726
iii	other unforseen expenditure (4% of the total cost (A+B)	4503636.3	4	180145.452
iv	<b>Sub- total of C</b>			<b>495399.993</b>
v	<b>Grand Total (A+B+C)</b>			<b>4999036.293</b>

Total Cost : Rs. 49,99,036/-

( Rupees Forty Nine Lakhs Ninety Nine Thousand and Thirty Six only )



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Government of Sikkim