



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

Ref. No:- 17 /GOS/FEWMD/DFO(T)South/

Dt 20 / 8 /2015

**COMPENSATORY AFFORESTATION SCHEME**

**NAME OF PROJECT:** Proposal for diversion of 0.5521 Ha of Forest and construction of 2 lane Melli – Manpur - Namchi Road (32 Km) in South Sikkim by Roads & Bridges Department, Govt. Of Sikkim.

**INTRODUCTION:**

Roads & Bridges Dept. Govt. Of Sikkim has put forward the proposal for diversion of 0.5521 Ha of Forest and construction of 2 lane Melli – Manpur - Namchi Road (32 Km) 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**

| Sl. No | Location    | Range | Division | Pltn. Area (Ha) | No. Of seedlings | SMC Area (Ha) | Stone wall fencing Length (Km) | Remarks |
|--------|-------------|-------|----------|-----------------|------------------|---------------|--------------------------------|---------|
|        | Salghari Rf | Melli | South    | 1.1 Ha          | 1210             | .27 Ha        | .5 Km                          |         |
|        |             |       |          |                 |                  |               |                                |         |

**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 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, ( Sal, Chilauney, Barra, Lasuney, Sinduray, 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 Rs) |
|--------|--|--------------|---------------|----------------|
| 1      | Cost of block plantation (all complete)  | 1.1          | 37,730        | 41503          |
| 2      | Soil & Moisture Conservation (by biological measure ) 25% of the plantation area | 0.3          | 45,931        | 12631.03       |
| 3      | Dry Stone Wall Fencing   | 1            | 741,651       | 741651         |
| 4      | Cost of growing seedling including the cost of nursery inputs etc. (complete)    | 1            | 434,234       | 434234         |
| 4      | <b>Sub - Total of A</b>  |              |               | <b>1230019</b> |

**(B) MAINTENANCE UPTO 3 YEARS**

| Sl. No. | Particulars                                   | Area (ha/km) | Rate (Rs/ha) | Amount (in Rs)  |
|---------|---|--------------|--------------|-----------------|
| i       | 2nd year maintenance of plantation            | 1.1          | 6196         | 6815.6          |
| ii      | 3rd year maintenance of plantation            | 1.1          | 3947         | 4341.7          |
| iii     | 4th year maintenance of plantation            | 1.1          | 3001         | 3301.1          |
| iv      | 5th year maintenance of plantation            | 1.1          | 3001         | 3301.1          |
| v       | 6th year maintenance of plantation            | 1.1          | 1697         | 1866.7          |
| vi      | 7th year maintenance of plantation            | 1.1          | 1697         | 1866.7          |
| vii     | 8th year maintenance of plantation            | 1.1          | 1697         | 1866.7          |
| viii    | 9th year maintenance of plantation            | 1.1          | 1697         | 1866.7          |
| ix      | 10th year maintenance of plantation           | 1.1          | 1697         | 1866.7          |
| x       | Maintenance of Dry Stone Wall (10 % of cost ) | 741651       | 0.1          | 74165.1         |
|         | <b>Sub-total of B</b>                         |              |              | <b>101258.1</b> |
|         | <b>Total (A+B)</b>                            |              |              | <b>1331277</b>  |

**(C) OVERHEAD/MONITORING & EVALUATION/CONTINGENCIES**

| Sl. No. | Particulars  | Total Amount (A+B) | Rate /ha in % of total) | Amount (in Rs)   |
|---------|--|--------------------|-------------------------|------------------|
| i       | Office Expenses, Stationery , TA/DA, Repair of Vehicle type writer / computer etc (5% of total | 1331277            | 5                       | 66563.9          |
| ii      | Monitoring & Evaluation inspection of works (2% of the total cost (A+B)                        | 1331277            | 2                       | 26625.5          |
| iii     | Contingencies, cost of escalation and other unforeseen expenditure (4% of the total cost (A+B) | 1331277            | 4                       | 53251.1          |
| iv      | <b>Sub- total of C</b>   |                    |                         | <b>146440.48</b> |
| v       | <b>Grand Total (A+B+C)</b>   |                    |                         | <b>1477717.6</b> |

**Total Cost : Rs. 14,77,718/-****(Rupees Fourteen Lakhs Seventy Seven Thousand Seven Hundred and Eighteen only)**


Divisional Forest Officer (T)  
South Division, Namchi