

# COMPENSATORY AFFORSETATION

**Proposal for Compensatory Afforestation Scheme in respect of diversion of 0.0074ha. of forest land for Installation of 11KV Transmission Line at Mamring, South Sikkim by Energy and Power Department, Govt. of Sikkim**

**Area of project need diversion - 0.0074 ha.**

## 1 Introduction

The proposal pertains to the diversion of 0.0074 ha of forest land for the Installation of 11KV Transmission Line at Mamring, South Sikkim by Energy and Power Department, Govt. of Sikkim

In lieu of the forest land diverted for this purpose, it is proposed to make good the loss of forest and to maintain ecological balance in the area by taking up 0.5km of avenue plantation.

## 2 Selection of Site / Location

| Sl. No. | Location                   | Range    | Plantation area | Fencing (in km) | SMC Work (in ha.) | Division                   |
|---------|----------------------------|----------|-----------------|-----------------|-------------------|----------------------------|
| i.      | Jholungay RF, Road Reserve | Namthang | 0.5             | 0               | 0                 | South Territorial Division |

## 3 Integrated Programme and Methodology for execution of Works

### i) Avenue Plantation

An integrated approach with avenue plantation with tree guards would be adopted on 0.5km. stretch of road passing through Jholungay Reserve Forest along the road reserve is proposed. The standard for planting pits is 30 x 30 x 45cm sizes at 3.00 mtr apart per 1 km, depending upon the actual ground condition having an average of 300 nos. of seedling per km.

### ii) Protection

The saplings used for plantation shall be protected by tree guards to minimize the biotic interference from cattle and other grazing animals for the better survival and establishment of the planting stock. Also, the watch and ward may be 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 basis as per the basis of approved rates, or other sources (if the former option is not

### iv) Choice of Species

Suitable avenue-developing species suitable to the altitude and site-specific flowering species will be taken up all along the 0.5km stretch of the road reserve.

### v) Executing Agency



South Territorial Division may execute the work under the supervision of State FCA Cell.

**vi) Time Schedule**

Schedule of work maybe in the financial year 2020-21 subject to availability of fund on time from the User Agency.

**vii) Transfer of Fund**

The user agency shall transfer the fund to the department of Forest Environment & Wildlife Management, Government of Sikkim as per the directives of the Hon'ble Supreme Court & Government of India in this respect.

**viii) Monitoring & Evaluation**

Forest, Environment & Wildlife Management Deptt., Govt. of Sikkim and the Regional Office, MOE & F, Govt. of India shall take up the monitoring & evaluation of the works.

**4 Cost structure & financial forecast/ work programme**

**(A) Advance work & creation**

| Sl. No. | Particulars  | Area/ Length | Rate/ha./km   | Amount (in rupees )  |
|---------|--|--------------|---------------|----------------------|
| i       | Cost of avenue plantation with stell tree guards                               | 0.5          | ₹ 6,44,390.00 | ₹ 3,22,195.00        |
| ii      | Cost of growing seedling including the cost of nursery inputs etc. (Complete). | 0.06         | ₹ 6,06,818.00 | ₹ 37,926.13          |
|         | <b>Sub Total (A)</b>   |              |               | <b>₹ 3,60,121.13</b> |

**(B) Maintenance for 10 years**

| Sl. No. | Particulars                         | Area/ Length | Rate/ha./km | Amount (in rupees) |
|---------|-------------------------------------|--------------|-------------|--------------------|
| i       | 1st year maintenance of plantation  | 0.5          | ₹ 3,535.00  | ₹ 1,767.50         |
| ii      | 2nd year maintenance of plantation  | 0.5          | ₹ 3,535.00  | ₹ 1,767.50         |
| iii     | 3rd year maintenance of plantation  | 0.5          | ₹ 1,927.00  | ₹ 963.50           |
| iv      | 4 th year maintenance of plantation | 0.5          | ₹ 1,927.00  | ₹ 963.50           |
| v       | 5th year maintenance of plantation  | 0.5          | ₹ 1,927.00  | ₹ 963.50           |
| vi      | 6th year maintenance of plantation  | 0.5          | ₹ 1,927.00  | ₹ 963.50           |
| vii     | 7th year maintenance of plantation  | 0.5          | ₹ 1,927.00  | ₹ 963.50           |
| viii    | 8th year maintenance of plantation  | 0.5          | ₹ 1,927.00  | ₹ 963.50           |
| ix      | 9th year maintenance of plantation  | 0.5          | ₹ 1,927.00  | ₹ 963.50           |



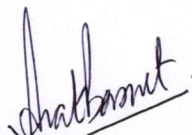
|                        |                                     |     |            |                      |
|------------------------|-------------------------------------|-----|------------|----------------------|
| x                      | 10th year maintenance of plantation | 0.5 | ₹ 1,927.00 | ₹ 963.50             |
| <b>Sub Total (B)</b>   |                                     |     |            | <b>₹ 11,243.00</b>   |
| <b>Sub Total (A+B)</b> |                                     |     |            | <b>₹ 3,71,364.13</b> |

**(C) Overhead expenses/ monitoring & evaluation and contingencies**

| Sl. No.  | Particulars   |                   | Rate/ha./km | Amount (in rupees)   |
|--|---|-------------------|-------------|----------------------|
| i  | Office expenses, stationary, TA/DA, repair of vehicle,  | (of subtotal A+B) | 5%          | ₹ 18,568.21          |
| ii   | Monitoring & Evaluation of scheme/project by the Central Government as well as by the State Government. | (of subtotal A+B) | 3%          | ₹ 11,140.92          |
| iii  | Contingencies & unforeseen expenditure  | (of subtotal A+B) | 2%          | ₹ 224.86             |
| <b>Sub Total (C)</b>   |   |                   |             | <b>₹ 29,933.99</b>   |
| <b>Total Cost (A+B+C)</b>                                    |   |                   |             | <b>₹ 4,01,298.12</b> |
| <b>Say</b>   |   |                   |             | <b>₹ 4,01,300.00</b> |
| <b>Rupees Four Lakhs one thousand and three hundred only</b> |   |                   |             |                      |

The above proposal is based on the schedule of rates for forestry activities 2018. Incase of any further revision, the above Compensatory Afforestation Scheme shall be revised as per the revised rate of the State Government accordingly, for which the project authorities will have to bear the additional amount, if any.

The above amount shall be paid and transferred by the User Agency to the Department of Forest, Environment & Wildlife Management, Government of Sikkim for the implementation of the scheme against the project.

  
**(Arati Basnet, SFS)**  
 Divisional Forest Officer  
 South Territorial Division  
 Namchi, South Sikkim  
 Divisional Forest Officer  
 Territorial Division  
 Forest, Env. & W/L Mgmt. Deptt  
 Govt. of Sikkim