

# Compensatory Afforestation Scheme

Proposal for Compensatory Afforestation Scheme in respect of diversion of 1.3090 ha. of forest land for Laying of 220 KV Transmission Line from New Melli to Legship Pool in West Sikkim by Energy & Power Department, Government of Sikkim

Area of project need diversion - 1.309 ha.

## 1 Introduction

Laying of 220 KV Transmission Line from New Melli to Legship Pool in West Sikkim requires diversion of 1.3090 ha. of forest land.

So, based on the rule twice the area needs to be proposed for the compensatory afforestation i.e.,  $1.3090 \times 2 = 2.618$  ha. is proposed to make good loss of forest and to maintain ecological balance in the area.

## 2 Selection of Site / Location

Sl. No.	Location	Range	Plantation area (ha.)	Fencing (in km)	SMC Work (in ha.)	Division
i.	Jhum RF	Soreng	2.618	0.7854	0.6545	West Territorial Division

## 3 Integrated Programme and Methodology for execution of Works

### i) Block Plantation

An integrated approach with plantation, Soil & Moisture Conservation and Protection work would be adopted on 2.618 ha. of degraded Forest land is proposed. The spacing may be 2 m x 2m with pit size of 45 cm x 45 cm depending upon the actual ground condition having an average of 1600 nos. of seedling per hectare.

### ii) Fencing & Protection

The area proposed for plantation shall bedemarcated by stone wall fencing to minimize the biotic interference from cattle and other for the better survival and establishment. 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 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 e.g. Panisaj (*Terminalia myriocarpa*), Lampatey (*Duabanga sonneroides*), Chekrasia (*Chekrasia tubulorides*), etc. will be taken up along with vegetative measures for Soil & Moisture Conservation work.

### v) Soil & Moisture Conservation

Soil and Moisture Conservation work over 25 % of the area of entire under the scheme is proposed.

### vi) Executing Agency

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

**vi., Time Schedule**

Schedule of work maybe in the financial year 2017-18 subject to availability of fund in time from the User Agency.

**viii) 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.

**ix) Monitoring & Evaluation**

Forest, Environment & Wild life 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 (ha.)	Rate/ha.	Amount (in rupees)
i	Cost of block plantation	2.618	37,730	98,777
ii	Dry stone wall fencing	0.7854	7,41,651	5,82,493
iii	Soil & Moisture Conservation work through vegetative measures (in 25% of total plantation area)	0.6545	45,931	30,062
iv	Cost of growing seedling including the cost of nursery inputs etc. (Complete).	0.32725	4,34,234	1,42,103
	<b>Sub Total (A)</b>			<b>8,53,435</b>

**(b) Maintenance for 10 years**

Sl. No.	Particulars	Area (ha.)	Rate/ha.	Amount (in rupees)
i	2nd year maintenance of plantation	2.618	6,196	16,221
ii	3rd year maintenance of plantation	2.618	3,947	10,333
iii	4 th year maintenance of plantation	2.618	3,001	7,857
iv	5th year maintenance of plantation	2.639	3,001	7,920
v	6th year maintenance of plantation	2.639	1,697	4,478
vi	7th year maintenance of plantation	2.639	1,697	4,478
vii	8th year maintenance of plantation	2.639	1,697	4,478
viii	9th year maintenance of plantation	2.639	1,697	4,478
ix	10th year maintenance of plantation	2.639	1,697	4,478
x	Maintenance of Dry Stone wall (10% of cost)	5,82,493	0.10	58,249
	<b>Sub Total (B)</b>			<b>1,22,972</b>
	<b>Sub Total (A+B)</b>			<b>9,76,407</b>

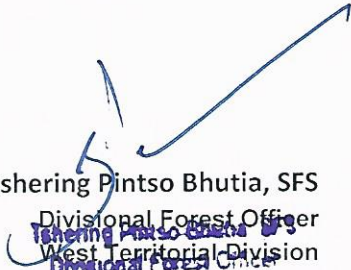


(c) Overhead expenses/ monitoring & evaluation and contingencies

Sl. No.	Particulars		Rate/ha.	Amount (in rupees)
i	Office expenses, stationary, TA/DA, repair of vehicle,		2%	19,528
ii	Monitoring & Evaluation of scheme/project by the Central Government as well as by the State Government.		2%	19,528
iii	Contingencies & unforeseen expenditure		4%	39,056
Sub Total (c)				78,113
Total Cost (A+B+C)				10,54,519
Rupees: Ten Lakhs fifty four thousand five hundred and nineteen				

The above proposal is based on the current schedule of rates and in case of upward revision of the rates in wages, the above Compensatory Afforestation Scheme shall be revised as per the revised rate of the State Government, 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.

  
Tshering Pintso Bhutia, SFS  
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