

Compensatory Afforestation Scheme

Proposal for Compensatory Afforestation Scheme in respect of Diversion of 2.0518 ha Forest Land for Providing Drinking Water Supply to Sikkim University at Yangang, South Sikkim by Water Security & Public Health Engineering Department, Govt. of Sikkim.

Area of project need diversion

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2.0518 ha.

1 Introduction

Proposal for Compensatory Afforestation Scheme in respect of Diversion of 2.0518 ha Forest Land for Providing Drinking Water Supply to Sikkim University at Yangang, South Sikkim by Water Security & Public Health Engineering Department, Govt. of Sikkim.

So, based on the rule, twice the area needs to be proposed for the compensatory afforestation i.e., $0.73 \times 2 = 1.46$ ha, say 1.5 ha in RF and $1.3218 \times 2 = 2.6436$ ha, say 3 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.	Manzing	Lingmoo	1.5	0.9	0.375	South Territorial Division
ii.	Maenam	Maenam WLS	3	1.8	0.75	South Wildlife Division
Total			4.5	2.7	1.125	

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 the 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 1100 nos. of seedling per hectare.

ii) Fencing & Protection

The area proposed for plantation shall be demarcated 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

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, wild edible fruit bearing trees, firewood and fodder species 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

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

vii) Time Schedule

Schedule of work maybe in the financial year 2019-20 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, MOEF & CC, 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	Qty	Unit	Rate/unit	Amount (in rupees)
i	Cost of block plantation (including seedlings for casualty filling and weeding during the planting year).	4.5	Ha.	37,730	169,785
ii	Dry stone wall fencing	2.7	Km	741,651	2,002,458
iii	Soil & Moisture Conservation work through vegetative measures (in 25% of total plantation area)	1.125	Ha.	45,931	51,672
iv	Cost of growing seedling including the cost of nursery inputs etc. (Complete).	0.5625	Ha	434,234	244,257
	Sub Total (A)				2,468,172

(B) Maintenance for 7 years

Sl. No.	Particulars	Qty	Unit	Rate/unit	Amount (in rupees)
i	2nd year maintenance of plantation	4.5	Ha.	6,196	27,882
ii	3rd year maintenance of plantation	4.5	Ha.	3,947	17,762
iii	4 th year maintenance of plantation	4.5	Ha.	3,001	13,505
iv	5th year maintenance of plantation	4.5	Ha.	3,001	13,505
v	6th year maintenance of plantation	4.5	Ha.	1,697	7,637

vi	7th year maintenance of plantation	4.5	Ha.	1,697	7,637
vii	Maintenance of Dry Stone wall (10% of cost)	2,002,458		0.10	200,246
Sub Total (B)					288,171
Sub Total (A+B)					2,756,343

(C) Overhead expenses/ monitoring & evaluation and contingencies

Sl. No.	Particulars	Rate/unit	Amount (in rupees)
i	Office expenses, stationery, TA/DA, repair of vehicles	5%	137,817
ii	Monitoring & Evaluation of scheme/project by the Central Government as well as by the State Government.	2%	55,127
iii	Contingencies & unforeseen expenditure	4%	110,254
iv	Add 30 % increased cost above SOR 2013 on (A+B)	30%	826902.95
Sub Total (C)			1,130,101
Total Cost (A+B+C)			3,886,444

Rupees(Thirty-eight Lakhs Eighty-six thousand Four hundred and Fourty-four) only

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.



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