

COMPENSATORY AFFORESTATION SCHEME

Proposal for Compensatory Afforestation Scheme in respect of diversion of 0.414 ha. of forest land for Construction of Rural Connectivity Road from Upper Mamley Chamgaon to Doling Gaon, in South Sikkim by Rural Management and Development Department

Area of project need diversion - 0.414 ha.

1 Introduction

The proposal pertains to the diversion of 0.414 ha. of forest land for Construction of Rural Connectivity Road from Upper Mamley Chamgaon to Doling Gaon, in South Sikkim by Rural Management and Development Department. So, based on the rule twice the area needs to be proposed for the compensatory afforestation i.e., $0.414 \times 2 = 0.828$ ha is proposed to make good the 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.	Chamgaon Khasmal	Namchi (T)	0.8280	0.4968	0.207	South 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 0.828 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 be demarcated by stone wall fencing to minimize the biotic interference from cattle and other grazing wildlife for the better survival and establishment of the seedlings. 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 available).

iv) Choice of Species

Mixed plantation of site-specific timber, firewood, fruit bearing 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.

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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 on 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 & 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 (ha.)	Rate/ha.	Amount (in rupees)
i	Cost of block plantation	0.8280	₹ 37,730.00	₹ 31,240.44
ii	Dry stone wall fencing	0.4968	₹ 741,651.00	₹ 368,452.22
iii	Soil & Moisture Conservation work through vegetative measures (in 25% of total plantation area)	0.207	₹ 45,931.00	₹ 9,507.72
iv	Cost of growing seedling including the cost of nursery inputs etc. (Complete).	0.10	₹ 434,234.00	₹ 44,943.22
Sub Total (A)				₹ 454,143.59
SAY				₹ 454,144.00

(B) Maintenance for 10 years

Sl. No.	Particulars	Area (ha.)	Rate/ha.	Amount (in rupees)
i	2nd year maintenance of plantation	0.8280	₹ 6,196.00	₹ 5,130.29
ii	3rd year maintenance of plantation	0.8280	₹ 3,947.00	₹ 3,268.12
iii	4 th year maintenance of plantation	0.8280	₹ 3,001.00	₹ 2,484.83
iv	5th year maintenance of plantation	0.8280	₹ 3,001.00	₹ 2,484.83
v	6th year maintenance of plantation	0.8280	₹ 1,697.00	₹ 1,405.12
vi	7th year maintenance of plantation	0.8280	₹ 1,697.00	₹ 1,405.12
vii	8th year maintenance of plantation	0.8280	₹ 1,697.00	₹ 1,405.12
viii	9th year maintenance of plantation	0.8280	₹ 1,697.00	₹ 1,405.12

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ix	10th year maintenance of plantation	0.8280	₹ 1,697.00	₹ 1,405.12
x	Maintenance of Dry Stone wall (10% of cost)	368,452	₹ 0.10	₹ 36,845.22
Sub Total (B)				₹ 57,238.86
SAY				₹ 57,239.00
Sub Total (A+B)				₹ 511,383.00

(C) Overhead expenses/ monitoring & evaluation and contingencies


Sl. No.	Particulars		Rate/ha.	Amount (in rupees)
i	Office expenses, stationary, TA/DA, repair of vehicle,	(of subtotal A+B)	5%	₹ 25,569.15
ii	Monitoring & Evaluation of scheme/project by the Central Government as well as by the State Government.	(of subtotal A+B)	3%	₹ 15,341.49
iii	Contingencies & unforeseen expenditure	(of subtotal A+B)	2%	₹ 1,144.78
iv	Add 30 % increased cost above SOR 2013	(of subtotal A+B)	30%	₹ 153,414.90
Sub Total (C)				₹ 195,470.32
Total Cost (A+B+C)				₹ 706,853.32
Say				₹ 706,853.00


Rupees Seven Lakhs six thousand eight hundred and fifty-three only

The above proposal is based on the schedule of rates for forestry activities 2013 and 30% additional is charged to account for the upward revision of the wages since 2013. In case 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.

Technical sanction/approval is
accorded to the estimate for
Compensatory Afforestation
Scheme of Rs. 7,06,853.00


Conservator of Forest (FCA)
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