

Compensatory Afforestation Scheme

Proposal for Compensatory Afforestation Scheme in respect of Diversion of Forest land for construction of road from Ben School to Lakhim in South Sikkim.

Area of project need diversion - 0.695 ha.

1 Introduction

Proposal pertains to Compensatory Afforestation Scheme in respect of Diversion of 0.695 ha of forest land for construction of road from Ben Khasmal to Lakhim in South Sikkim

So, based on the rule, twice the area, i.e 0.695 ha needs to be proposed for the raising compensatory afforestation i.e., $0.695 \times 2 = 1.39$ 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	Remarks
i.	Ben Khasmal	Ravongla (T)	1.39	0.834	0.3475	South Territorial Division	
	Total		1.39	0.834	0.3475		

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 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, 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 2020-21 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).	1.39	Ha.	37,735	52,452
ii	Dry stone wall fencing	0.834	Km	954,600	796,136
iii	Soil & Moisture Conservation work through vegetative measures (in 25% of total plantation area)	0.348	Ha.	54,770	19,033
iv	Cost of growing seedling including the cost of nursery inputs etc. (Complete).	0.46	Ha	871,813	403,940
Sub Total (A)					1,271,561

(B) Maintenance for 10 years

Sl. No.	Particulars	Qty	Unit	Rate/unit	Amount (in rupees)
i.	1st Year Maintenance of plantation	1.39	Ha.	10,847	15,077
ii.	2nd year maintenance of plantation	1.39	Ha.	8,227	11,436
iii.	3rd year maintenance of plantation	1.39	Ha.	5,719	7,949
iv	4th year maintenance of plantation	1.39	Ha.	4,360	6,060
v	5th year maintenance of plantation	1.39	Ha.	4,360	6,060
vi	6th year maintenance of plantation	1.39	Ha.	4,360	6,060
vii	7th year maintenance of plantation	1.39	Ha.	4,360	6,060
viii	8th year maintenance of plantation	1.39	Ha.	4,360	6,060
ix	9th year maintenance of plantation	1.39	Ha.	4,360	6,060

x	10th year maintenance of plantation	1.39	Ha.	4,360	6,060
xi.	Maintenance of Dry Stone wall (10% of cost)				79,614
Sub Total (B)					156,499
Sub Total (A+B)					1,428,059

(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%	71,403
ii	Monitoring & Evaluation of scheme/project by the Central Government as well as by the State Government.	2%	28,561
iii	Contingencies & unforeseen expenditure	4%	57,122
iv	Add 30 % increased cost above SOR 2013 on (A+B)	30%	428417.81
Sub Total (C)			585,504
Total Cost (A+B+C)			2,013,564

Rupees(twenty lakh thirteen thousand five hundred sixty 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.


 Divisional Forest Officer
 South Terrestrial Division
 Namchi, South Sikkim
 Divisional Forest Officer (T)
 South Division, Namchi