

Compensatory Afforestation Scheme

Proposal for Compensatory Afforestation Scheme in respect of Diversion of 40.9299ha of forest land for laying of loop-out of 400KV double circuit Teesta Stage-III HEP Kishanganj Transmission line at Rangpo Sub-station in South District

Area of project need diversion - 40.9299 ha.

1 Introduction

Proposal pertains to Compensatory Afforestation Scheme in respect of Diversion of 40.9299 ha of forest land for laying of loop-out of 400KV double circuit Teesta Stage-III HEP Kishanganj Transmission line at Rangpo Sub-station in South District by Power Grid Corporation of India Ltd.

So, based on the rule, twice the area needs to be proposed for the compensatory afforestation i.e., $40.9299 \times 2 = 81.8598$ ha, say 81.90 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.	Tendong RF	Namchi (T)	44.37	26.622	11.0925	South Territorial Division
ii.	Ramaram RF	Namchi (T)	37.53	22.518	9.3825	South Territorial Division
	Total		81.9	49.14	20.475	

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 may be 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).	81.9	Ha.	37,730	3090087.00
ii	Dry stone wall fencing	49.14	Km	741,651	36444730.14
iii	Soil & Moisture Conservation work through vegetative measures (in 25% of total plantation area)	20.475	Ha.	45,931	940437.23
iv	Cost of growing seedling including the cost of nursery inputs etc. (Complete).	10.2375	Ha	434,234	4445474.16
Sub Total (A)					44920728.52

(B) Maintenance for 07 years

Sl. No.	Particulars	Qty	Unit	Rate/unit	Amount (in rupees)
i	2nd year maintenance of plantation	81.9	Ha.	6,196	507,452
ii	3rd year maintenance of plantation	81.9	Ha.	3,947	323,259
iii	4 th year maintenance of plantation	81.9	Ha.	3,001	245,782

iv	5th year maintenance of plantation	81.9	Ha.	3,001	245,782
v	6th year maintenance of plantation	81.9	Ha.	1,697	138,984
vi	7th year maintenance of plantation	81.9	Ha.	1,697	138,984
vii	Maintenance of Dry Stone wall (10% of cost)	36,444,730		0.10	3,644,473
Sub Total (B)					5,244,717
Sub Total (A+B)					50,165,446

(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%	2,508,272
ii	Monitoring & Evaluation of scheme/project by the Central Government as well as by the State Government.	2%	1,003,309
iii	Contingencies & unforeseen expenditure	4%	2,006,618
iv	Add 30 % increased cost above SOR 2013 on (A+B)	30%	15049633.69
Sub Total (C)			20,567,833
Total Cost (A+B+C)			70,733,278

Rupees(seven Crore seven Lakhs thirty three thousand two hundred seventy eight) 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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