

Compensatory Afforestation in respect of diversion of 8.3801 ha (5.7179 ha Wildlife Sanctuary+ 2.6622 ha Khasmal) of forest land for the laying of 132KV D/C Dikchupool to Perbing TL under Comprehensive Scheme for strengthening of Transmission & Distribution System in Sikkim, Government of Sikkim.

1. INTRODUCTION: -

Power & Energy Department, Govt. of Sikkim has proposed for diversion of 8.3801 ha (5.7179 ha Wildlife Sanctuary+ 2.6622 ha Khasmal) of forest land for the laying of 132KV D/C Dikchupool to Perbing TL under Comprehensive Scheme for strengthening of Transmission & Distribution System in Sikkim, Government of Sikkim.

The Forest land involved is **8.3801ha** and the stipulation would be double the area proposed for diversion i.e., **16.7602ha**.

The Ministry of Environment & Forest, Govt. of India has prescribed the following guidelines for diversion: -

- i. In all cases the legal status of forest land shall remain unchanged.
- ii. User agency would have to pay the cost of compensatory afforestation to the State Forest Department.

2. Selection of site / location: -

Sl. No	Location	Range	Compensatory Afforestation (in Ha)	Nos of seedlings to be planted	Stone Wall Fencing	SMC	Division	Remarks
1	Yali RF	Gangtok (T)	16.7602 Ha	18436220No	5km	5 ha	Gangtok (T) Division	Compensatory Afforestation will be taken up at Yali RF under Gangtok(T) Range.

3. INTEGRATED PROGRAMME / METHODOLOGY OF WORKS FOR EXECUTION.

- i. **Seedling Requirement:** The requirement of seedlings may be met from the existing Nurseries of the Department on payment basis as per the approved rates. The existing nurseries will have to be provided with the seeds of mixed species including the cost of nursery implements used.
- ii. **Choice of species:** Mixed plantation of site-specific species shall be done such as *Populus ciliate*, *Michelia excelsa*, *Acer cambelli*, *Toona ciliate*, *Spondias axillaris*, *Quercus lanceaefolia* etc.
- iii. **Executing Agency:** The works under the Scheme shall be executed by the of Forest & Environment Department, Government of Sikkim through East Territorial Division and Forest (Conservation) Act, 1980 Cell as per the approval of the Government.
- iv. **Monitoring & Evaluation:** All the activities under the Scheme may be monitored by a committee constituted for the purpose, Nodal Officer, Forest (Conservation) Act, 19 and the representative from Ministry of Environment & Forests, Government of India concurrently and regularly.

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3. Cost Structure and Financial Forecast:

(A) Block Plantation (Artificial Regeneration)

Sl. No.	Particulars	Area (in ha/Km)	Rate (in Rs./ha)	Amount (in Rs)
i (a)	Creation of Block Plantation (including casualty replacement and weeding during the planting year)	16.76	37735	632439
i (b)	Carriage of Seedlings	16.76	2100	35196
ii	Providing and Laying Dry stone wall fencing as per direction including carriage of stones up to worksite (in 10% of the total plantation area)	1.676	954600	1599910
iii	Soil and Moisture Conservation work through vegetative measures (in 25% of total Plantation area) ha	4.19	54770	229486
	Sub-Total (A)			2497031

(B) Maintenance upto 10 th Year

Sl. No.	Particulars	Area (in ha/Km)	Rate (in Rs./ha)	Amount (in Rs)
(i)	1st year maintenance of the Block Plantation	16.76	10847	181795.72
(ii)	2nd year maintenance of the Block Plantation	16.76	8227	137884.52
(iii)	3rd year maintenance of the Block Plantation	16.76	8227	137884.52
(iv)	4th year maintenance of the Block Plantation	16.76	4360	73073.6
(v)	5th year maintenance of the Block Plantation	16.76	4360	73073.6
(vi)	6th year maintenance of the Block Plantation	16.76	4360	73073.6
(vii)	7th year maintenance of the Block Plantation	16.76	3182	53330.32
(viii)	8th year maintenance of the Block Plantation	16.76	3182	53330.32
(ix)	9th year maintenance of the Block Plantation	16.76	3182	53330.32
(x)	10th year maintenance of the Block Plantation	16.76	3182	53330.32
(xi)	Maintenance of dry stone wall for next 4 years (10% of the cost)	1599910	10%	159991
	Sub- Total (B)			1050097.840
	Sub- Total (A+B)			3547128.84

(C) Overhead Expences/ monitoring and evaluation and contingencies

Sl. No.	Particulars	Total Amount	Rate (in %)	Amount (in Rs)
i	Maintenance of Vehicle, unforeseen expences, Furnishing of FCA/GIS Cell pertain to ETD prepration of Plantation Journal etc @ 5 % of the total cost	3547128.84	5%	177356.442
ii	Monitoring and Evaluation of scheme by the senior officials @2% of the total cost	3547128.84	2%	70942.5768
iii	Contingencies, Cost of escalation, supplementary works and other unforeseen expenditure @4% of the total cost	3547128.84	4%	141885.154
	Sub Total (C)			390184
	Grand Total (A+B+C)			3937313

(Rupees Thirtynine lakhs thirty seven thousand three hundred thirteen) only

The above proposal is based on the SOR-2020. Fresh activities and in case of any 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.

The above amount shall be paid and transferred by the project agency to the Department of Forests, Environment and Wildlife Management, Government of Sikkim for the implementation of the scheme against the project.

Divisional Forest Officer,
East Territorial Division.
Divisional Forest Officer
Gangtok Territorial Division
Forest & Environment Deptt.
Govt. of Sikkim

Technical sanction approval is
accorded to the estimate for
Compensatory Afforestation
Scheme of Rs. 39,37,313/-

Assistant Conservator of Forest
Assistant Conservator of Forest
East Territorial Division.
Gangtok Territorial
Forest & Environment Deptt,
Govt. of Sikkim