

Compensatory Afforestation in respect of diversion of 1.76 ha of Forest land for construction of 132 KV Double circuit Dikchupool to Perbing Transmission Line under Comprehensive scheme for strengthening in East District, Government of Sikkim.

1. INTRODUCTION:-

Energy & Power Department , Govt of India has proposed for diversion of 1.76 ha of Forest land for construction of 132 KV Double circuit Dikchupool to Perbing Transmission Line under Comprehensive scheme for strengthening in East District, Government of Sikkim.

The Forest land involved is **1.76 ha** and the stipulation would be double the area proposed for diversion i.e. **1.76 ha**.

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	Khesey & Namrang Khasmal	Gangtok (T)	3.52 Ha	3872No.	1km	0.5ha	East (T) Division	Compensatory Afforestation will be taken up at Khesey & Namrang Khasmal 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.
- iii. **Executing Agency:**The works under the Scheme shall be executed by the of Forest, Environment & Wildlife Management 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, 1980 and the representative from Ministry of Environment & Forests, Government of India concurrently and regularly.

Cont/-

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)	3.52	37735	132827
i (b)	Carriage of Seedlings	3.52	2100	7392
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)	0.048	954600	45821
iii	Soil and Moisture Conservation work through vegetative measures (in 25% of total Plantation area) ha	0.88	54770	48198
	Sub-Total (A)			234238

(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	3.52	10847	38181.44
(ii)	2nd year maintenance of the Block Plantation	3.52	8227	28959.04
(iii)	3rd year maintenance of the Block Plantation	3.52	8227	28959.04
(iv)	4th year maintenance of the Block Plantation	3.52	4360	15347.2
(v)	5th year maintenance of the Block Plantation	3.52	4360	15347.2
(vi)	6th year maintenance of the Block Plantation	3.52	4360	15347.2
(vii)	7th year maintenance of the Block Plantation	3.52	3182	11200.64
(viii)	8th year maintenance of the Block Plantation	3.52	3182	11200.64
(ix)	9th year maintenance of the Block Plantation	3.52	3182	11200.64
(x)	10th year maintenance of the Block Plantation	3.52	3182	11200.64
(xi)	Maintenance of dry stone wall for next 4 years (10% of the cost)	45821	10%	4582.1
	Sub- Total (B)			191525.780
	Sub- Total (A+B)			425763.78

(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	425763.78	5%	21288.189
ii	Monitoring and Evaluation of scheme by the senior officials @2% of the total cost	425763.78	2%	8515.2756
iii	Contingencies, Cost of escalation, supplementary works and other unforeseen expenditure @4% of the total cost	425763.78	4%	17030.5512
	Sub Total (C)			46834
	Grand Total (A+B+C)			472598

(Rupees Four lakhs seventy two thousand five hundred ninetyeight) only

The above proposal is based on the SOR-2018. 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 tot bear the additional amount.

The above amount shall be paid and transferred by the User 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 Terrestrial Division
FEWMD

Anup J Baniya, SFS
Assistant Conservator of Forest
East Terrestrial Division
Forest Env. & Wildlife Mangt. Deptt.
Govt. of Sikkim