

**Compensatory Afforestation in respect of diversion of 0.3335 ha. Forest land for shifting of water Treatment plant and construction of 4.5 lakhs reservoir Water Tank at Tumlabong RF for Majitar Water Supply in East Sikkim.**

**INTRODUCTION:-**

Shri. Praveen Kumar Pradhan Additional Chief Engineer, Water Security and PHE Department, Government of Sikkim has proposed for diversion of 0.3335 ha. Forest land for shifting of water Treatment plant and construction of 4.5 lakhs reservoir Water Tank at Tumlabong RF for Majitar Water Supply in East Sikkim.

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.

**1. Selection of site / location:-**

Sl. No	Location	Range	Compensatory Afforestation (in Ha)	No. of Mixed saplings to be planted	SMC (in ha)	Stone Wall Fencing	Division
1	Tumlabong RF	Singtam (T)	=0.667ha	7337 Nos.	0.16675 ha	0.048 km	East (T) Division

**2. 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 sitespecific 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.**

## 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)	0.667	37735	25169
i (b)	Carriage of Seedlings	0.667	2100	1401
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	0.16675	54770	9133
	<b>Sub-Total (A)</b>			<b>81524</b>

### (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	0.667	10847	7234.949
(ii)	2nd year maintenance of the Block Plantation	0.667	8227	5487.409
(iii)	3rd year maintenance of the Block Plantation	0.667	5719	3814.573
(iv)	4th year maintenance of the Block Plantation	0.667	4360	2908.12
(v)	5th year maintenance of the Block Plantation	0.667	4360	2908.12
(vi)	6th year maintenance of the Block Plantation	0.667	4360	2908.12
(vii)	7th year maintenance of the Block Plantation	0.667	3182	2122.394
(viii)	8th year maintenance of the Block Plantation	0.667	3182	2122.394
(ix)	9th year maintenance of the Block Plantation	0.667	3182	2122.394
(x)	10th year maintenance of the Block Plantation	0.667	3182	2122.394
(xi)	Maintenance of dry stone wall for next 4 years (10% of the cost)	45821	10%	4582.1
	<b>Sub- Total (B)</b>			<b>38332.967</b>
	<b>Sub- Total (A+B)</b>			<b>119856.97</b>

### (C) Overhead Expenses/ monitoring and evaluation and contingencies

Sl. No.	Particulars	Total Amount	Rate (in %)	Amount (in Rs)
i	Maintenance of Vehicle, unforeseen expenses, Furnishing of FCA Cell pertain to ETD prepration of Plantation Journal etc @ 5 % of the total cost	119856.97	5%	5992.84835
ii	Monitoring and Evaluation of scheme by the senior officials @2% of the total cost	119856.97	2%	2397.13934
iii	Contingencies, Cost of escalation, supplementary works and other unforeseen expenditure @4% of the total cost	119856.97	4%	4794.27868
	<b>Sub Total (C)</b>			<b>13184</b>
	<b>Grand Total (A+B+C)</b>			<b>133041</b>

(Rupees one lakhs thirty three thousand forty one ) only

The above proposal is based on the SOR-2013. 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 transfered 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 Territorial Division,  
East District

  
Assistant Conservator of Forest  
East Territorial Division,  
Forest Env. & Wildlife Mangt. Deptt.  
Govt. of Sikkim