

Compensatory Afforestation Scheme in respect of diversion of 10.794 ha of Forest land for construction/widening of alternate highway to Gangtok section Rhenock-Rorathang-Pakyong (Package-I) on NH 717 in East District of Sikkim by National Highways & Infrastructure Development Corporation Ltd. (NHIDCL).

1. INTRODUCTION:-

General Manager (Project) NHIDCL has proposed for diversion of 10.794 ha of Forest land for construction/widening of alternate highway to Gangtok section Rhenock-Rorathang-Pakyong (Package-I) on NH 717 in East District of Sikkim. The forest land involved is **10.794 ha** and the stipulation would be double the area proposed for diversion i.e. **21.588 ha**.

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

- In all cases the legal status of forest land shall remain unchanged.
- User agency would have to pay the cost of compensatory afforestation to the State Forest Department.
- The compensatory afforestation for avenue plantation shall be raised over an area of 1km of forest land to make good any loss of forest and also to maintain the ecological balance in the locality.

2. Selection of site / location:-

Sl. No	Location	Range	Pltn. area (ha)	Nos of seedlings to be planted	SMC (in ha)	Stone Wall Fencing (km)	Division	Remarks
1	i. Pachey RF ii. Thekabong RF	Pakyong (T)	8.532 ha <u>8.736 ha</u> 17.268 ha	19,000 nos	4.317 ha.	1.5km	East (T) Division	Afforestation with mixed seedlings will be carried out in the degraded land of Pachey RF & Thekabong RF.
2	Gnathang RF	Rongli (T)	4.32 ha	5,000 nos.	1.08 ha.	0.5km	East (T) Division	Afforestation with mixed seedlings will be carried out in the degraded land of Gnathang RF.
TOTAL			21.588 ha					

3. INTEGRATED PROGRAMME / METHODOLOGY OF WORKS FOR EXECUTION.

- 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.
- Choice of species:** Mixed plantation of site specific species shall be done.
- 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.

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- 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.

4. Cost structure & financial forecast/work programme.

(A) Advance work & creation

Sl.No.	Particulars	Area (ha)	Rate (Rs./ha) LA	Amount (In rupees)
(i)	Cost of Block Plantation (including seedlings for casualty filling and weeding during the planting year)	21.588 ha	37,730	8,14,515
(ii)	Stone Wall Fencing	2km.	7,41,651	14,83,302
(iii)	Soil and moisture conservation work through vegetative measures (in 25% of total plantation area)	5.397 ha.	45,931	2,47,890
Sub-total - A				25,45,707

(B) Maintenance for 10 year

Sl. No.	Particulars	Area (ha)	Rate (Rs./ha)		Amount (In rupees)
(i)	2 nd year maintenance (two weeding)	21.588 ha	2	6,196	2,67,518
(ii)	3 rd year maintenance (one weeding)	21.588 ha	1	3,942	85,068
(iii)	4 th year maintenance (one weeding)	21.588 ha	1	3,001	64,785
(iv)	5 th year maintenance (one weeding)	21.588 ha	1	3,001	64,785
(v)	6 th year maintenance (one weeding)	21.588 ha	1	1,697	36,635
(vi)	7 th year maintenance (one weeding)	21.588 ha	1	1,697	36,635
(vii)	8 th year maintenance (one weeding)	21.588 ha	1	1,697	36,635
(viii)	9 th year maintenance (one weeding)	21.588 ha	1	1,697	36,635
(ix)	10 th year maintenance (one weeding)	21.588 ha	1	1,697	36,635
Sub-total - B					6,65,331
Total (A+B)					32,11,038

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(C) Over Head/Monitoring & Evaluation/Contingencies

Sl. No.	Particulars	Area (ha)	Amount (Rs./ha)	Amount (In rupees)
(i)	Maintenance of Vehicle, unforeseen exp. Furnishing of FCA Cell pertain to NTD preparation of Journal etc @ 5% of the total cost.	5%	32,11,038	1,60,552
(ii)	Monitoring & evaluation Inspection of works by Senior Officers of the Department of Forest @ 2% of the total cost.	2%	32,11,038	64,221
(iii)	Contingencies Cost of escalation, supplementary works and other unforeseen expenditure @ 4% of the total cost.	4%	32,11,038	1,28,441
(iv)	Add 15% increase cost on SOR	15%	32,11,038	4,81,656
Sub-total - C				8,34,870
Grant Total (A+B+C)				40,45,908

(Rupees forty lakhs forty five thousand nine hundred eight) 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 to bear the additional amount.

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


Divisional Forest Officer
East Territorial Division


Assistant Conservator of Forest
East Territorial Division