

## ANNEXURE IV

Compensatory Afforestation in respect of diversion of 0.0016ha of Forest land for installation of Automatic Data acquisition & Real Time Data Transmission System through satellite for Snow Gauges & Rainfall Measurement at kupup in East District, Government of Sikkim.

### 1. INTRODUCTION: -

Central Water Commission, Govt of Sikkim has proposed for diversion 0.0016ha of Forest land for installation of Automatic Data acquisition & Real Time Data Transmission System through Satellite for Snow Gauges & Rainfall Measurement at Kupup in East District of 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.

### 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	Latui RF	Kyongnosla (T)	1.0 Ha	1100No.	0.1km	0.25ha	East (T) Division	Compensatory Afforestation will be taken up at Latui RF under Kyongnosla (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 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/-



**Structure and Financial Forecast:**  
**Plantation (Artificial Regeneration)**

	Particulars	Area (in ha/Km)	Rate (in Rs./ha)	Amount (in Rs)
	Creation of Block Plantation (including casualty replacement and weeding during the planting year)	1	37735	37735
(b)	Carriage of Seedlings	1	2100	2100
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)			
iii	Soil and Moisture Conservation work through vegetative measures (in 25% of total Plantation area) ha			
	<b>Sub-Total (A)</b>			<b>39835</b>

**(B). Maintainance 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	1	10847	10847
(ii)	2nd year maintenance of the Block Plantation	1	8227	8227
(iii)	3rd year maintenance of the Block Plantation	1	8227	8227
(iv)	4th year maintenance of the Block Plantation	1	4360	4360
(v)	5th year maintenance of the Block Plantation	1	4360	4360
(vi)	6th year maintenance of the Block Plantation	1	4360	4360
(vii)	7th year maintenance of the Block Plantation	1	3182	3182
(viii)	8th year maintenance of the Block Plantation	1	3182	3182
(ix)	9th year maintenance of the Block Plantation	1	3182	3182
(x)	10th year maintenance of the Block Plantation	1	3182	3182
(xi)	Maintenance of dry stone wall for next 4 years (10% of the cost)	0	10%	0
	<b>Sub- Total (B)</b>			<b>53109.000</b>
	<b>Sub- Total (A+B)</b>			<b>92944.00</b>

**(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	92944	5%	4647.2
ii	Monitoring and Evaluation of scheme by the senior officials @2% of the total cost	92944	2%	1858.88
iii	Contingencies, Cost of escalation, supplementary works and other unforeseen expenditure @4% of the total cost	92944	4%	3717.76
	<b>Sub Total (C)</b>			<b>10224</b>
	<b>Grand Total (A+B+C)</b>			<b>103168</b>

**(Rupees One lakhs thirtyone thousand sixty eight ) 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 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 (T) Division  
FEWMD

Technical approval is  
accorded to the estimate for  
Compensatory Afforestation  
Scheme of Rs. 1,03,168/-  
Assistant Conservator of Forest  
East Territorial Division,  
Deptt. of Forests & Environment  
Govt. of Sikkim



**BILL FOR NET PRESENT VALUE (N P V) OF THE PROPOSED FOREST  
LAND DIVERSION FOR NON-FORESTRY PURPOSE UNDER FCA- 1980**

A	Name of the project	:	Diversion of 0.0016 ha of Forest land for installation of Automatic Data acquisition & Real Time Data Transmission System through Satellite for Snow Gauges Measurement at Kupup in East District, Government of Sikkim.
B	User Agency	:	Central Water Commission, Gangtok.
C	Area proposed for diversion	:	0.0016 Ha
D	Eco - Class-V (Open)	:	Consisting of Sub-tropical Broad-Leaved Hill Forests, Sub-Tropical Pine Forests and Sub Tropical Dry Evergreen Forests.
E	NPV for the forest land per ha having the above eco class as per the Hon'ble Supreme Court Order dated 28.3.2008.	:	<del>Rs.6,57,000.00</del> <sup>10,05,210/-</sup> for Eco Class V.
F	Therefore, NPV for 0.0016 hectare of forest land.	:	<del>Rs.6,57,000 lakhs</del> x 0.0016ha. <sup>10,05,210</sup>
	<b>GRAND TOTAL</b>		<del>Rs.1051/-</del> <sup>1,608/-</sup>

*Six hundred and eight*  
(Rupees one thousand ~~fifty-one~~ ) only.

Divisional Forest Officer (T)  
East Territorial Division  
East (T) Division  
FEWARD

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



# ANNEXURE V

## SITE SUITABILITY CERTIFICATE FOR COMPENSATORY AFFORESTATION

This is to certify that the location / site identified for the Compensatory Afforestation in respect of diversion of 0.0016 ha of Forest land for installation of Automatic Data acquisition & Real Time Data Transmission System through Satellite for Snow Gauges Measurement at Kupup in East District, Government of Sikkim is degraded forest land and found to be suitable for Compensatory Afforestation from the management point of view on following location. This is required for establishment and greening of ecologically fragile and degraded forest area to improve micro-ecology of the area.

Sl. No	Location	Range	Status of Land	Compensatory Afforestation (in Ha)	Forest Density	Slope in (degree/percentage)	Altitude range	Proposed species (Scientific Name)	Remarks
1	Phadamchen RF Latui RF	Kyongnosla(T) Range	Reserve Forest	<del>0.0032 ha</del> 1.0 ha	Non Forest	0% -10%	3724m	Lali Gurash(Rhododendron arboretum) Junifer (Juniperus recuvera)Ghonge Champ (Magnolia Campbelli) Chimal, Sunapti, etc.	This area are identified in semi evergreen forest and the proposed species are native to area and good survival rate.

*[Signature]*  
Divisional Forest Officer,  
East Territorial Division  
East (T) Division  
FEWMD

*[Signature]*  
Assistant Conservator of Forest,  
East Territorial Division  
Deptt. of Forests & Environment  
Govt. of Sikkim