

ESTIMATE FOR COMPENSATORY AFFORESTATION SCHEME FOR PROPOSED DIVERSION OF FORESTLAND (KHASHMAL) 0.3440 HA FOR CONSTRUCTION OF LINK ROAD FROM KOLTHANG MANEYDARA TO JOGIDARA IN SOUTH SIKKIM.

The project - Development of link road from Kolthang Maneydara to Jogidara in South Sikkim under Roads & Bridges Department, Government of Sikkim. The Govt. has proposed to construct the link road to improve the economic condition of the people and provide all round development to this remote area which lack of in basic facility like a road connection in South district.

The forest land involved is 0.3440 ha. and the status is Khashmal. The forest crops enumerated on the proposed site, as tree/poles will be removed from the construction site to develop the road as reported by concerned Range Officer, Lingmoo Range. The estimate for Compensatory Afforestation is prepared for 0.70 Hac. only.

2. SITE FOR COMPENSATORY AFFORESTATION SCHEME: The Compensatory Afforestation is proposed to take up on the degraded forestland available under Lingmoo Territorial Range, South Territorial Division for proper proclamation of area and implementation against minor erosion.

3. METHODOLOGY OF THE WORK EXECUTION.

i) **Block Plantation**

An integrated approach with plantation and soil/moisture conservation work in compact area is proposed. The spacing may be 2.5 m x 2.5 m with pit size of 30 cm X 30cmX 30 cm depending upon the actual condition.

ii) **Fencing & Protection**

The area proposed for plantation shall be fenced with stone wall fencing to minimize the biotic interference from cattle and other for the better survival and establishment also, the watch and ward may be engaged as and when required for protection and other plantation related works.

iii) **Seedling Requirement**

The requirement of seedling may be met from the existing nurseries of the Forest Department on payment basis as per the approved rates.

iv) **Choice of Species**

Mixed Plantation of site-specific timber, firewood and fodder species e.g. Rani Champ(*Michelia excelsa*), Lampatey(*Duabanga sonneratioides*), Phusrey Champ(*Michelia lanuginosa*), Panisaj (*Terminalia myriocarpa*)etc.

v) **Soil & Moisture Conservation**

As the lower flank area of Lingmoo (T) range is deficient with moisture, Soil and moisture conservation work over 25% of the total area is to be covered. Small engineering works with vegetative measures would be taken up. This will help the new planted seedlings to survive in a better way.

vi) **Executing Agency**

South Territorial Division may execute the work under the supervision of State FCA Cell.

vii. Schedule of Time: Schedule of execution may be in year 2015-16 subject to availability of fund in time from the User Agency.

viii. Monitoring & Evaluation: The Monitoring & Evaluation of Project will be done by Regional Office, Shillong, Meghalaya, GOI as well as State Forest Department from time to time.

Financial forecast/work programme:

(A) ADVANCE WORK & CREATION

Sl. No.	Particulars	Area (ha/km)	Rate (Rs./ha/km)	Amount
1	Cost of Block Plantation (All complete)	0.70	37,730	26,411
2	Soil and moisture conservation (by biological measure) 25% of the total plantation area.	0.175	45,931	8,037
3	Dry Stone wall fencing	0.3	741,651	222,495
4	Sub Total (A)			256,943

(B) MAINTENANCE UPTO 7 YEARS

Sl. No.	Particulars	Area (ha/km)	Rate (Rs./ha/km)	Amount
(i)	2nd year maintence of plantation	0.70	6,196	4337
(ii)	3rd year maintenance of plantation	0.70	3,947	2762
(iii)	4th year maintenance of plantation	0.70	3,001	2100
(iv)	5th year maintenance of plantation	0.70	3,001	2100
(v)	6th year maintenance of plantation	0.70	1,697	1187
(vi)	7th year maintenance of plantation	0.70	1,697	1187
(vii)	8th to 10th yr. maint. Maintenance of dry stone for next 4 years (10% of the cost)	0.70 0.3	1,697 741,651 37082	5091 22249 11125
	Sub Total (B)			35,922 29,889
	Total (A+B)			292,865

2,86,832.17

C		
Over Head/ Monitoring & Evaluation/ Contingencies		
Sl. No.	Particulars	Amount
i.	Office Expenses, Stationery, TA/DA, Repair of Vehicle/type writer, computer etc @ 5%of above.	14643
ii.	Monitoring & Evaluation @2% of above	5857
	TOTAL C	20,500
	TOTAL A+B+C	Rs. 313,365 307332=

Rupees (Three Lakhs ^{Seven} ~~Thirteen~~ Thousand ^{Twenty two} Three Hundred Sixty Five) only

DFO(T) SOUTH DIVISION

Divisional Forest Officer
South Territorial Division
Forest, Env. & W/L Management Deptt.
Government of Sikkim