



(g)	Maintainance 8 th year Single weeding in 9 th year=45.96ha x@ Rs.6540	3,00,578/-
(h)	Maintainance 9 th year Single weeding in 9 th year=45.96ha x@ Rs.6540	3,00,578/-
(i)	Maintainance 10 th year Single weeding in 10 th year=45.96ha x@ Rs.6540	3,00,578/-
	TOTAL(A+B)=	63,15,407/-
C	Dry stone fencing 1.Km @ Rs.11,21,655 /per km	11,21,655/-
	Total (A+B+C)	Rs. 74,37,062/-
D	Over Head/ Monitoring & Evaluation/ Contingencies	
Sl. No	Particulars	Amount (in Rs.)
I	Office Expenses, Stationery, TA/DA, Repair of vehicle/ computer etc. @ 10% of above	7,43,706/-
II	Monitoring & Evaluation @ 2% of above	1,48,741/-
III	Contingencies @ 4 % of above	2,97,483/-
	Total D	11,89,930/-
	TOTAL (A+B+C+D) =	86,26,992/-

Total Amount Rs. 86,26,992/-

(Rupees: Eighty- six Lakh Twenty-six thousand Nine hundred and Ninety- two) only


Mr. P. D. Lachenpa
 Divisional Forest Officer
 North Territorial Division
 Forest & Environment Department


Mr. Manzil Kharel
 Assistant Conservator of Forest
 Mangan Sub Division
 North Territorial Division
 Forest & Environment Department

ESTIMATE FOR COMPENSATORY AFFORESTATION SCHEME FOR DIVERSION OF 22.98HA OF FOREST LAND FOR PROPOSED CONSTRUCTION OF HIGH ALTITUDE HILL ROAD TO INDO-CHINA BORDER (KERANG TO OLOTEN) ROAD(12.7KM) UNDER PHASE II IN THE STATE OF SIKKIM HAS BEEN ENTRUSTED TO CENTRAL PUBLIC WORKS DEPARTMENT (CPWD) BY THE MINISTRY OF HOME AFFAIRS ,DEPARTMENT OF BORDER MANAGEMENT ,GOVT. OF INDIA.

1. INTRODUCTION:

The Central Public Works Department CPWD. (User Agency) Govt. Of India, has proposed for diversion of 22.98Ha. Of forest land for construction of High Altitude Hill roads to Indo-China Border (Kerang to Oloten) 12.7Km under Lachen Territorial Range, for the improvement of road in North Sikkim.

2. LOCATIONS / SITES FOR COMPENSATORY AFFORESTATION:

The proposed locations/site selected for Compensatory Afforestation Scheme (Block Plantation) is reserved forest lands from Kerang to Oloten RF within the Lachen Territorial Range. The areas need to be treated with priority to enhance the environment & ecology in the region. The proposed locations are as under:-

Sl No	Range	Location	Block Plantation	GPS Coordinates	Fencing area in Km
1	Lachen	Kerang to Oloten RF	22.98ha x 2	88° 45' 33.33'' E 28° 02' 23.8'' N	1 Km
Total			45.96 ha		

Integrated approach for Block Plantation would be taken up in the above mentioned area. While implementing this scheme, if the above mentioned location needs to be changed based on technical ground and priority, due approval from the government would be taken before starting the works.

3. INTEGRATED PROGRAMME/METHODOLOGY OF WORKS FOR EXECUTION

- a. **The seedlings requirement:** The seedlings required for the Block Plantation will be used from the nearest forest nursery on the payment of Department norms.

Block Plantation: The planting work will start in the month of May to July by preparing the site with cutting cleaning of bushes & digging of pits of size 45cmx45cmx45cm at a spacing of 2 m each.

- b. **Choice of Sapling:** Silverfir, Hamlock, Malingo, Titeypati, Burio khati, Sampkophu (Cobra Lily), Dubo, Chimping, Thotne, Halhaly, Sishnu, Somlata and any other Suitable species will be planted.
- c. **Fencing:** The area under the plantation would be fenced with Stone wall fencing (due to plenty availability of stone around the locality) wherever necessary as well as at venerable points. It is necessary to protect the plantation from biotic interference.
- d. **Maintenance:** The maintenance of work like plantation, fencing and Block plantation will be carried up to 7years for successful establishment of plantation.
- e. **Executing Agency:** The work will be executed by the Department of Forests, Env. & WL Management.
- f. **Monitoring and Evaluation:** The monitoring and evaluation of the project will be done by the Regional Office, Meghalaya, Shillong, Government of India and State Forest Department, Government of Sikkim at interval.
- g. **Schedule of Time:** The work will be executed in year 2017-18 during the month of June & August subject to availability of fund from User Agency in time.

4. FINANCIAL FORECAST:

Block Plantation: Area = 45.96Ha (High Altitude)

(A). Block Plantation: 45.96Ha @ Rs. 56602per ha = Rs 26,01,428/-
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B	MAINTENANCE	Amount (in Rs.)
(a)	Maintenance of 2 nd (Twice a year): Two weeding in 2 nd year=45.96ha x @ Rs. 13,225/-x 2	12,15,642/-
(b)	Maintenance 3 rd year One weeding in 3 rd year= 45.96ha x @ Rs.8579/- x1	3,94,291/-
(c)	Maintenance 4 th year Single weeding in 4 th year=45.96 ha x @ Rs.6540/-x1	3,00,578/-
(d)	Maintenance 5 th year Single weeding in 5 th year= 45.96ha x @ Rs.6540x1	3,00,578/-
(e)	Maintenance 6 th year Single weeding in 6 th year=45.96ha x @Rs.6540	3,00,578/-
(f)	Maintainance 7 th year Single weeding in 7 th year=45.96ha x@ Rs.6540	3,00,578/-