

**ESTIMATE FOR COMPENSATORY AFFORESTATION SCHEME FOR
DIVERSION OF FOREST LAND FOR CONSTRUCTION OF ITBP ROAD
FROM LEEMA TO CHHU-JUNCTION UNDER LACHUNG TERRITORIAL
RANGE IN NORTH SIKKIM BY CPWD, GOVERNMENT OF INDIA.**

INTRODUCTION:

1. The Central Public Works Department (User Agency) Government of India has applied for diversion of 40.376Ha. of forest land under FCA, 1980 for construction of ITBP road from Leema to Chu- junction under Lachung Territorial Range in North Sikkim as per the order of the Ministry of Home Affairs, GoI.
2. As per the Standard FC rules/ Guidelines, The User Agency shall be required to bear the cost for raising the Compensatory Afforestation to compensate the Loss of Forest.
3. Accordingly, the proposed locations/site selected for Compensatory Afforestation Scheme (Block Plantation) is degraded Forest land (Reserve Forest) within the Lachung Territorial Range. The areas need to be treated with priority to enhance the environment & ecology in the region.

LOCATIONS / SITES FOR COMPENSATORY AFFORESTATION:

Sl No	Range	Location	Block Plantation	GPS Coordinates	Fencing area in Km
1	Lachung	Shargophui Chu (Lema1)	13.472ha	27° 41'7.55''N 88° 46'28.53''E	3Km
2	Lachung	Lachung RF (Lema2)	13.452ha	27° 39'7.18''N 88° 44'12.45''E	3Km
3	Lachung	Lema (Lema3)	13.452ha	27° 39'27.4''N 88° 43'0.08''E	4Km
Total			40.376ha		10Km

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.

1. 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.

- b. **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 in a staggered manner.
- c. **Choice of Sapling:** Locally suitable species like Hemlock, Silver fir, Rhododendron, Kapasi, Lake saur and any other Suitable species will be raised in the pits.
- d. **Fencing:** The area under the plantation will be fenced with Stone wall fencing usually locally available stone all around the plantation at venerable points. It is necessary to protect the plantation from biotic interference.
- e. **Protection:** The newly created afforestation shall be protected in biotic interference by providing Dry stone wall fencing at vulnerable point and locals as watch and wards. Entire stretches of forest area of high altitude area shall also be protected.
- f. **Maintenance:** The maintenance of plantation will be carried up to 10years for successful establishment of plantation.
- g. **Executing Agency:** The work will be executed by the Department.
- h. **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.
- i. **Schedule of Time:** The work will be executed during the month of June & August in the year 2020-21 subject to availability of fund from User Agency in time.

2. FINANCIAL FORECAST:

Block Plantation: Area =40.376Ha (High Altitude)

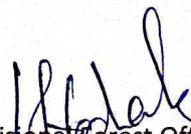
SL.No	Activities	Unit	Approved SOR	Fin.Target(in Rupees)
A. Compensatory Afforestation				
(a)	Creation of Block Plantation of locally suitable species.	40.376Ha	56,602 /-	22,85,362/-
(b)	Soil & Moisture Conservation Works (SMC)	40.376Ha	81,378/-	32,85,718/-
(c)	Dry stone fencing	10Km	11,21,655/ km	1,12,16,550/-
Total A=				1,67,87,630/-

B MAINTENANCE OF BLOCK PLANTATION		Amount (in Rs.)
(a)	Maintenance of 2 nd (Twice a year): Two weeding in 2 nd year=40.376ha x @ Rs.12,341 /-x 2	9,96,560/-
(b)	Maintenance 3 rd year One weeding in 3 rd year= 40.376ha x @ Rs.12,341/- x1	4,98,280/-
(c)	Maintenance 4 th year Single weeding in 4 th year= 40.376ha x @ Rs.6,540/-x1	2,64,059/-
(d)	Maintenance 5 th year Single weeding in 5 th year= 40.376ha x @ Rs 6,540x1	2,64,059/-

(e)	Maintenance 6 th year Single weeding in 6 th year=40.376ha x @Rs.6540	2,64,059/-
(f)	Maintenance 7 th year Single weeding in 7 th year=40.376ha x@ Rs.4772	1,92,674/-
(g)	Maintenance 8 th year Single weeding in 9 th year=40.376ha x@ Rs.4772	1,92,674/-
(h)	Maintenance 9 th year Single weeding in 9 th year=40.376ha x@ Rs.4772	1,92,674/-
(i)	Maintenance 10 th year Single weeding in 10 th year=40.376ha x@ Rs.4772	1,92,674/-
	TOTAL B=	30,57,713/-
C	FOR PROTECTION	
I	Patrolling/ Working vehicle for mobility of frontline staffs/ Officers	8,00,000/-
II	Engagement of Plantation Supervisor 2Nos320/day for 3Yrs	7,00,800/-
	Total C	15,00,800/-
	TOTAL (A+B+C)	2,13,46,143/-
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	21,34,614/-
II	Monitoring & Evaluation @ 2% of above	4,26,923/-
III	Contingencies @ 4 % of above	8,53,846/-
	Total D	34,15,383/-
	TOTAL (A+B+C+D) =	2,47,61,526/-

(Rupees: Two Crore Fourty- seven Lakh Sixty-one thousand Five hundred and Twenty- six only).


Assistant Conservator of Forest
North Territorial Division
Assistant Conservator of Forest
Mangan Sub Division
North Territorial Division
Forest & Environment Department


Divisional Forest Officer
North Territorial Division
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