

ESTIMATE FOR COMPENSATORY AFFORESTATION SCHEME FOR CONSTRUCTION OF 60M SPAN (40 R LOADING) STEEL BRIDGE OVER THOLUNGCHU/ RUNGPEE KYOUNG (RIVER) ALONG GOLUPCHU- BEY ROAD IN UPPER DZONGU NORTH SIKKIM.

INTRODUCTION:

The Public Works Department PWD. (User Agency) Govt. Of Sikkim, has proposed for diversion of 0.03Ha. of forest land for construction of 60m span (40 r loading) steel bridge over Tholungchu/ Rungpee kyoung (river) along Golupchu- Bey road at upper Dzongu in North Sikkim.

LOCATIONS / SITES FOR COMPENSATORY AFFORESTATION:

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

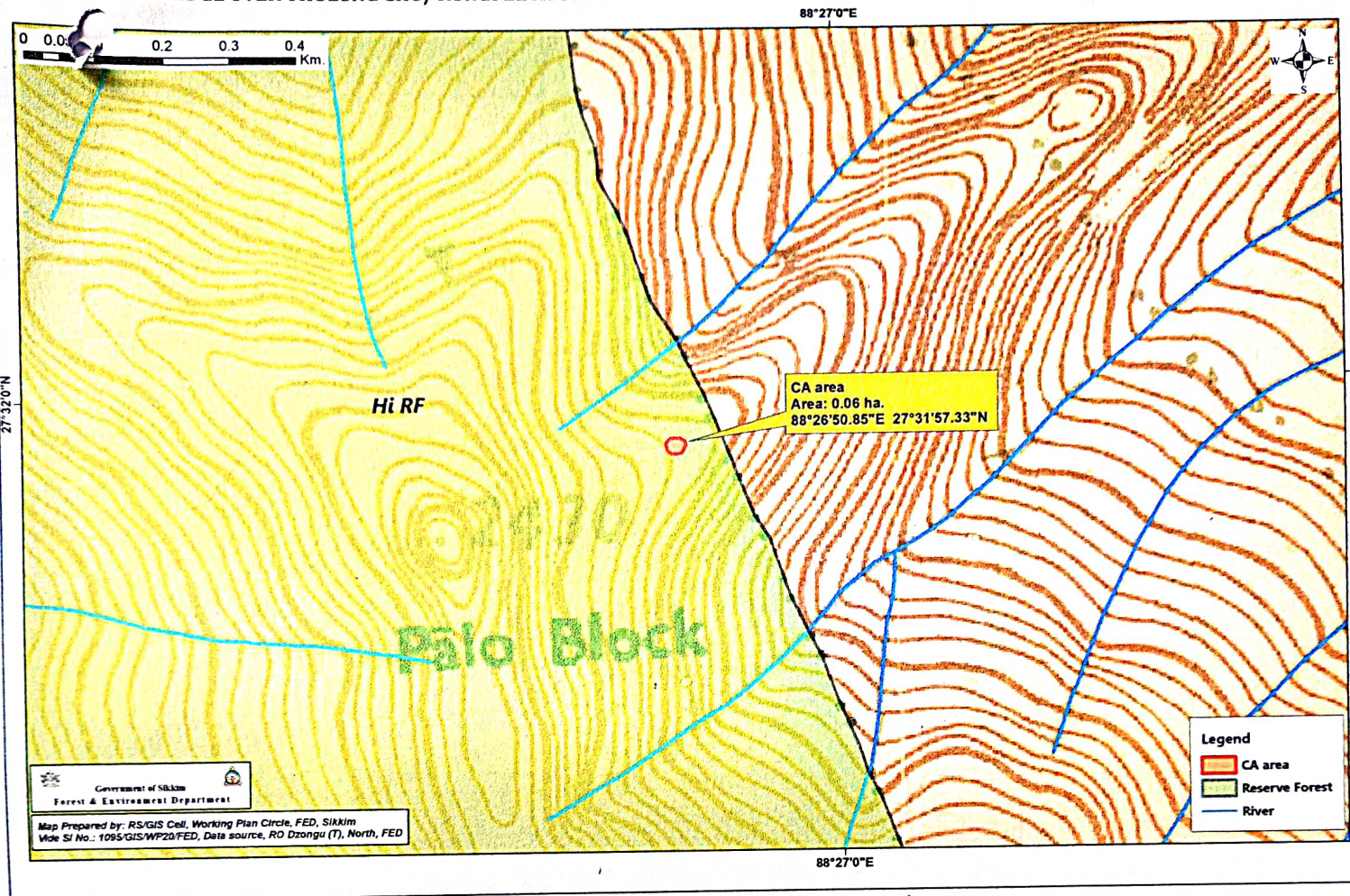
Sl No	Range	Location	Block Plantation	GPS Coordinates	Fencing area in Km
1	Dzongu	Ringpi chhu	0.03ha x2	88° 26' 21.70'' E 27° 30' 51.62'' N	-
Total			0.06 ha		

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.

1. INTEGRATED PROGRAMME/METHODOLOGY OF WORKS FOR EXECUTION

- 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 in a staggered manner.
- Choice of Sapling:** Locally suitable species like Kaulow and any other Suitable species will be raised in the pits.

MAP SHOWING THE CA OF 0.06 HA. AT HI RF AGAINST THE DIVERSION OF 0.0300HA. OF FOREST LAND FOR CONSTRUCTION OF 60M. SPAM STEEL BRIDGE OVER THOLUNG CHU/ RUNGPEE KYUNG ALONG BAY - PENTONG ROAD UNDER DZONGU (T) RANGE, NORTH SIKKIM



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- 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 7years 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 =0.06Ha (low Altitude)

SL. No	Activities	Unit	Approved SOR	Fin.Target(in Rupees)
1.Compensatory Afforestation				
(a)	Creation of Block Plantation of locally suitable species.	0.06Ha	37735 /-	2264 /-

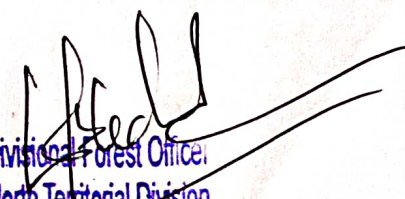
2.	MAINTENANCE OF BLOCK PLANTATION	Amount (in Rs.)
(a)	Maintenance of 2 nd (Twice a year): Two weeding in 2 nd year=0.06ha x @ Rs. 8227/-x 2	987/-
(b)	Maintenance 3 rd year One weeding in 3 rd year= 0.06ha x @ Rs.8227/- x1	494/-
(c)	Maintenance 4 th year Single weeding in 4 th year= 0.06ha x @ Rs.4360/-x1	262/-
(d)	Maintenance 5 th year Single weeding in 5 th year= 0.06ha x @ Rs.4360x1	262/-
(e)	Maintenance 6 th year Single weeding in 6 th year=0.06ha x @Rs.4360	262/-
(f)	Maintainance 7 th year Single weeding in 7 th year=0.06ha x@ Rs.3182	191/-

(g)	Maintainance 8 th year Single weeding in 9 th year=0.06ha x@ Rs.3182	191/-
(h)	Maintainance 9 th year Single weeding in 9 th year=0.06ha x@ Rs.3182	191/-
(i)	Maintainance 10 th year Single weeding in 10 th year=0.06a x@ Rs.3182	191/-
	TOTAL(A+B)=	5,277/-
C	Dry stone fencing	-
	Total (A+B+C)	5277/-
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	527/-
II	Monitoring & Evaluation @ 2% of above	106/-
III	Contingencies @ 4 % of above	211/-
	Total D	844/-
	TOTAL (A+B+C+D) =	6121/-

Total Amount Rs.

(Rupees: Six thousand one hundred and twenty- one only)


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