

## COMPENSATORY AFFORESTATION SCHEME

**NAME OF PROJECT:** Proposal for Diversion of 15.394 Ha of forest land for construction of Greenfield Institute of Excellence in Higher Education at Chakung, West Sikkim by Education Department, Government of Sikkim.

**INTRODUCTION:** Education Department, Government of Sikkim is constructing a Greenfield Institute of Excellence in Higher Education at Chakung, West Sikkim.

The Compensatory Afforestation Scheme (Block Plantation-AR), Soil & Moisture Conservation Work, dry stone wall and Barbed wire fencing with Bally post are proposed in order to compensate for the loss of forest land and to maintain an ecological balance in the area.

### SELECTION OF SITE/LOCATION FOR COMPENSATORY AFFORESTATION

Sl.No	Location	GPS-coordinates	Range	Division	Area
1.	Mabong Khasmal	P1-N-27°10'52.1" E-88°17'47.3"	Soreng (T)	West (T)	15 Ha
2.	Maina Botey Khasmal	P2-N-27°10'42.7" E-88°17'51.2"			10 Ha
3.	Segyang Khasmal	P3-N-27°10'43.3" E-88°17'44.5"			6 Ha.
				Total	31 Ha

#### 1. METHODOLOGY OF WORK EXECUTION :

- i. Block Plantation: An integrated approach with plantation is proposed. The spacing may be 1m x 1m with pit size of 30 cm x 30 cm depending upon the actual condition.
- ii. Fencing & Protection: Barbed Wire Fencing with Bally and Dry Stone Wall Fencing is proposed to minimum interference from cattle grazing and other interference for the better survival and establishment of the plantation. Also, the watch and ward maybe engaged as and when required for protection and other plantation related work as well as for extension work.
- iii. Seedling requirement: The requirement of seedlings may be met from the existing nurseries of the Forest department on payment as per the basis approved rates or other sources (if the former option is not available).
- iv. Choice of species: Mixed plantation of site specific indigenous fruit bearing and timberable species.
- v. Soil & Moisture Conservation: SMC work has been proposed.
- vi. Executing Agency: West Territorial Division may execute the work under the supervision of State FCA Cell.
- vii. Schedule: Schedule of execution maybe in the year 2022-2023 subject to availability of fund in time from the User Agency.
- viii. Monitoring & Evaluation: Forest & Environment Department, Govt. of Sikkim and the Regional Office, MoEF&CC, Govt. of India shall take up the monitoring & evaluation of works.



(A) ADVANCE & CREATION WORKS

Sl. No	Particulars	Area(in Ha)	Rate (Rs/Ha)	Amount (in rupees)
1.	Cost of Block Plantation- AR (all complete) including transportation cost	31	37,735 + 2,800	12,56,585.00
	Sub-total of A			12,56,585.00

(B) MAINTANENCE UPTO 10 YRS

Sl. No.	Particulars	Area(in Ha)	Rate (Rs/Ha)	Amount (in rupees)
(a)	1st Yr. Maint. (Two Weeding operation)	Ha	10,847	3,36,257
(b)	2 <sup>nd</sup> & 3 <sup>rd</sup> Yr. Maint (Two Weeding Operation)	Ha	8,227	5,10,074
(d)	4 <sup>th</sup> 5 <sup>th</sup> & 6 <sup>th</sup> Yr. Maint. (One weeding Operation)	Ha	4,360	4,05,480
(g)	7 <sup>th</sup> 8 <sup>th</sup> 9 <sup>th</sup> & 10 <sup>th</sup> Yr. Maint. (One weeding Operation)	Ha	3,182	3,94,568
	Sub-total of B			16,46,379.00

(C) SOIL & MOISTURE CONSEVATION & DRY STONE FENCING AND BARBED WIRE FENCING WITH BALLY WORK

Sl. No	Particulars	Area	Rate in Ha/Km	Amount (in rupees)
1.	Soil & Moisture Conservation Work	15 Ha	54,770 + 1,400	8,42,550 .00
2.	Dry Stone Wall Fencing	5 Km	9,54,600	47,73,000.00
3.	Barbed Wire Fencing/Bally	7 Km	3,81,295+6000	27,11,065.00
	Sub-total of C			83,26,615.00

(D) OVERHEAD / MONITORING & EVALUATION/CONTINGENCIES

Sl. No.	Particulars	Total Amount (A+B+C)	Rate /ha (in % of total)	Amount (in rupees)
i	Office expenses, Stationery ,TA/DA, Repair of Vehicle, computer etc (5% of total cost)	1,12,29,579.00	5	5,61,479.00
ii	Monitoring & Evaluation inspection of works (2% of the total cost)	1,12,29,579.00	2	2,24,592.00
iii	Contingencies, cost of escalation and other unforeseen expenditure (4% of the total cost)	1,12,29,579.00	4	4,49,183.00
	Sub-total of D			12,35,254.00



(E) ENGAGEMENT OF PLANTATION SUPERVISOR

Sl. No.	Particulars	Nos.	Rate/day	Amount (in rupees)
	Engagement of plantation supervisor for 3 yrs.	2	320/day	7,00,800.00
	Grand Total (A+B+C+D+E)			1,31,65,633.00

Total Cost Compensatory Afforestation Scheme= 1, 31, 65,633.00

(Rupees One Crore Thirty One Lakhs Sixty Five Thousand Six Hundred Thirty Three) only/-

*D. Allam*  
 Technical sanction approval is  
 accorded to the estimate for  
 Compensatory Afforestation  
 Scheme of Rs. 1,31,65,633/-

*Tenzing Norbu Bhutia*  
 (Tenzing Norbu Bhutia), SFS  
 Divisional Forest Officer  
 West Territorial Division

**DFO (T)  
 WEST**