

Estimate for the creation and maintenance of 5.0 Ha. Plantation under Compensatory Afforestation in lieu of the Mahal namely **Harupani Sand Gravel Mahal under Golaghat Division** at Vill : **MONGLAI Phonglo** under DFO, Dima Hasao West Division. Haflong in the Dist. of Dima Hasao

Area(Ha.) - 5.0 Ha.
Species (m X m) - 2x2
Number of saplings/Ha. - 2500
Length of Fence (R.M) - 200
Wage Rate for the 1st year (Rs.) - 250
Increase in wage rate for subsequent years by a - 1.1
Appreciation of material costs by a factor - 1.1

Sl. No.	Particulars of works	Units	Qty/ Ha.	Total Qty	Rate / Unit	Amount (Rs.)
A.	ERECTION OF FENCING	@Rs. 250/DL				
	a) Cost of full chain -linked Goat Proofing Fencing (4' ht with 10 Gauge 3" dia link) to be fitted on Pre-cast RCC pillars at 1.8 mt. apart including transportation of fencing materials to site 200 RM @ 800 per RM as per estimate.	RMs		200	800	1,60,000
	b) Wages of DLS for carrying, fitting, fixing etc. of fencing materials @ 20 DLs/100RM	DLs		40	250	10,000
	Sub-Total =					1,70,000
B.	INFRASTRUCTURE IN PLANTATION AREA					
	Construction of camp hut	Nos.		1	50,000	50,000
	Installation of ring/tube well (at least one upto 10 ha. & thereafter two per every 25 ha.).	Nos.		1	50,000	50,000
	Cost of tools & implements (One unit upto 25 ha. & thereafter one unit per every 25 Ha.)	nos.		1	10,000	10,000
	Camp accessories @Rs.10,000/- per camp.	nos.		1	10,000	10,000
	Construction of Inspection Path 250 RM @Rs.50/- RM	RMs		250	50	12,500
	Sub-Total =					1,32,500
C.	ADVANCE WORK					
	Site selection, surveying, demarcation, jungle cutting, burning etc. @ 20 DLs/Ha	DLs	20	100	250	25,000
	Preparation and acquisition of polypot saplings in the field nursery for planting 2500 nos. seedling/ha. @ Rs. 6/- per polypot.	nos.	2500	12500	6	75,000
	Preparation of polypot saplings in the field nursery for vacancy filling.					0
	a) 25% mortality expected during 1st year (to be planted in the field during the 2nd year) i.e. 625 seedling/ha. @ 6.5/per polypot.	nos.	625	3125	6.5	20,313
	b) 20% mortality expected during 2nd year (to be planted in the field during the 3rd year) i.e. 500 seedlings/ha.@ 7/- polypot.	nos.	500	2500	7	17,500
	c) 15% mortality expected during 3rd year (to be planted in the field during the 4th year) i.e. 375 seedlings/ha.@ 7.5/polypot.	nos.	375	1875	7.5	14,063
	Cost of Bamboo, making of stacking & transportation etc.	LS				5,000
	Line alignment, carriage of stacking materials and fixing the stacking @ 5 DLs/ha.	DLs	5	25	250	6,250
	Sub-Total =					1,63,125


CREATION & 1ST YEAR MAINTENANCE					
Soil working, carriage of stumps, pollypot seedlings & Planting at the plantation site including dibbling of seeds wherever necessary to complete raising of plantation with all necessary operation @ 40 DLs/Ha.	DLS	40	200	250	50,000
5 weeding, mulching and fire protection works @ 18 DLs ha/weeding	DLS	90	450	250	1,12,500
Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days)	DLS	1	365	250	91,250
Sub-Total =					2,53,750
E. 2ND YEAR MAINTENANCE	@Rs. 264/DL				
5 weeding, fire protection works @ 10 DLs ha/weeding.	DLS	50	250	264	66,000
25% vacancy filling by 1 year old seedlings from nursery @ 10 DLs/ha.	DLS	10	250	264	66,000
Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days)	DLS		365	264	96,360
Sub-Total =					2,28,360
F. 3RD YEAR MAINTENANCE	@Rs. 290/DL				
4 weeding, fire protection works @ 8 DLs ha/weeding.	DLS	8	160	290	2,320
20% vacancy filling by 2 year old seedlings from nursery @ 8 DLs/ha.	DLS	8	40	290	2,320
Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days)	LS		365	290	1,05,850
Sub-Total =					1,10,490
G. 4TH YEAR MAINTENANCE	@Rs. 319/DL				
4 weeding, fire protection works @ 8 DLs ha/weeding.	DLS	8	160	319	2,552
15% vacancy filling by 2 year old seedlings from nursery @ 6 DLs/ha.	DLS	6	30	319	1,914
Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days)	DLS		365	319	1,16,435
Sub-Total =					1,20,901
H. 5TH YEAR MAINTENANCE	@Rs. 350/DL				
Climber cutting, weeding and other silvicultural works and fire protection works @ 5 DLs / ha.	DLS	5	25	350	8,750
Maintenance of camp huts, implements, ring/tube well, upkeepment of plantation, signboard, documentation & upkeepment of records etc.	LS				15,000
Watch and ward for the plantation area (1DL for 365 days)	DLS		365	350	1,27,750
Sub-Total =					1,51,500
I. 6TH YEAR MAINTENANCE	@Rs. 385/DL				
Climber cutting, other silvicultural works and fire protection works @ 5 DLs / ha.	DLS	5	25	385	9,625
Contingency	LS				5,000
Sub-Total =					14,625
J. 7TH YEAR MAINTENANCE	@Rs. 423/DL				
Climber cutting, other silvicultural works and fire protection works @ 5 DLs / ha.	DLS	5	25	423	10,575

1. Maintenance of camp huts, implements, ring tube well.	LS				15,000
2. Upkeep of plantation, signboard, documentation					
3. Upkeep of records etc.	LS				5,000
Sub-Total =					30,575
4. 1st YEAR MAINTENANCE	@Rs. 465/DL				
Timber cutting, other silvicultural works and fire protection works @ 5 DLS/ha	DLS	5	25	465	11,625
Sub-Total =	LS				5,000
5. 2nd YEAR MAINTENANCE	@Rs. 511/DL				
Timber cutting, other silvicultural works and fire protection works @ 5 DLS/ha	DLS	5	25	511	12,775
Sub-Total =	LS				724
6. 3rd YEAR MAINTENANCE	@Rs. 562/DL				
Timber cutting, other silvicultural works and fire protection works @ 5 DLS/ha	DLS	5	25	562	14,050
Sub-Total =					14,050
Total =					14,20,000


Abstract

Creation of fencing	-	1,70,000
Infrastructure in Plantation Area	-	1,32,500
Advance works	-	1,63,125
Creation & 1st year maint.	-	2,53,750
2nd year maintenance	-	2,28,360
3rd year maintenance	-	1,10,490
4th year maintenance	-	1,20,901
5th year maintenance	-	1,51,500
6th year maintenance	-	14,625
7th year maintenance	-	30,575
8th year maintenance	-	16,625
9th year maintenance	-	13,499
10th year maintenance	-	14,050
Total		14,20,000
50% Over Head Cost of Compensatory Afforestation	-	7,10,000
Grand Total		21,30,000

Technically approved.


 The Chief Conservator of Forests
 Dima Hasao Dist. Assam Hailong

Submitted


 Divisional Forest Officer
 Dima Hasao Forest Division (West)
 Hailong
 Divisional Forest Officer
 Dima Hasao Forest Division (W)
 Hailong