

**ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER SAGALEE FOREST
DIVISION**

Name of project : Construction of Naharlagun to Gerukamukh Transmission Line.
 User Agency : Deptt. of Power, Govt. of Arunachal Pradesh
 Location of CA : Doimukh RF
 Area of CA : 28.13 x 2 = 56.26 ha
 Wages rate (DL) : 333/-

		Unit	Qnt	Rate	Amount	
A	Creation of Nursery					
	Cost of seedlings @ 1100 Nos. / ha.	ha	61886	18	1113948	
1	1ST YEAR OPERATION					
	Survey & demarcation and preperation of map @ 5 DL/ ha.	ha	56.26	1332	74938	
	Sub Total					
2	2ND YEAR OPERATION					
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	4000	231.52	3582077	
	(ii) Maint. Barbed wire fencing @ 5% of erection cost in each year from 3rd year to 6th year Add.					
	Add 10% escalation value by multiplying factor:					
	1.20 for 3rd year					
	1.3 for 4th year					
	1.4 for 5th year					
	1.5 for 6th year					
	Sub-Total					
3	Raising of seedlings for casualty replacement	No.	15472	18.0	278496	
	3rd year 15%=165 Nos					
	4th year 10%= 110 Nos. Total= 275 Nos.					
4	RAISING OF PLANTATION					
	(i) Clearance of brush wood, planting lines & staking of debries @ 15 D/L per ha.	ha	56.26	53114	2988194	
	(ii) Alignment of pits & preparation of stakes, staking					
	(iii) Digging of pits 30 Cm X 30 Cm X 30 Cm					
	(iv) Transportation of seedlings to the planting site i/c planting of seedling					
	(v) Making of inspection path 1mtr wide					
	(vi) Fire line cutting 3mtrs wide along the periphery					
	(vii) Tending - 4 weeding					

	(viii) Prepration of thala by uprooting of debris by hoeing around pits @ 22 Mandays/ha					
	Add 10% escalation value on total of item 4(i) to 4(viii)					
5	3RD YEAR OPERATION	ha	56.26	17982	1011667	
	(i) Tending - 3 weeding					
	(ii) Casualty replacement 15%					
	(iii) Maint. of inspection path					
	(iv) Maint. Of fireline					
	Add 20% escalation value on total of item 5(i) to 5(iv)					
6	4TH YEAR OPERATION	ha	56.26	14286	803730	
	(i) Tending -2 weedings					
	(ii) Casualty replacement 10%					
	(iii) Maint. Of inspection path					
	(iv) Maint. of fireline					
	Add 30% escalation value on item 6(i) to 6(iv)					
7	5TH YEAR OPERATION	ha	56.26	6527	367209	
	(i) Tending - 1 weedings					
	(ii) Maint. of inspection path					
	(iii) Maint. Of fire line					
	(iv) Add paid holiday @ 18.63% on item 7(i) to 7 (iii)					
	Add 40% escalation value on item 7(i) to 7(iv)					
8	6TH YEAR OPERATION	ha	56.26	6993	393426	
	(i) Tending - 1 weedings					
	(ii) Maint. of inspection path @ 1 DL/ ha.					
	(iii) Maint. of fireline @ 1DL/ha.					
	Add 50% escalation value on item 8(i) to 8(iii)					
9	7TH YEAR OPERATION	ha	56.26	2664	149877	
	(i) Maint. of inspection path / fireline & climber cutting					
	Add 60% escalation value on total item 9(i)					
10	8TH YEAR OPERATION	ha	56.26	2831	159272	
	(i) Maint. of inspection path / fireline & climbing cutting					
	Add 70% escalation value on item 10(i)					
	Sub-Total					
11	9TH YEAR OPERATION	ha	56.26	2997	168611	
	(i) Maint. of inspection path / fireline & climber cutting					
	Add 80% escalation value on total of item 11(i)					

12	10TH YEAR OPERATION	ha	56.26	3164	178007	
	(i) Maint. of inspection path / fireline & climber cutting					
	Add 90% escalation value on total of item 12 (i)					
13	Wages for plantation watchman at the rate of Un/skilled labourer round the year for 10 year (one watchman for every 25 ha) @ 10000/- for Area-I & Rs.10500/- for Area-II per month. Add escalation value by multiplying factor 1st year.	No.	2	1740000	3480000	
	(M.F=1.1) for 2nd year					
	(M.F=1.2) for 3rd year					
	(M.F=1.3) for 4th year					
	(M.F=1.4) for 5th year					
	(M.F=1.5) for 6th year					
	(M.F=1.6) for 7th year					
	(M.F=1.7) for 8th year					
	(M.F=1.8) for 9th year					
	(M.F=1.9) for 10th year					
14	a) Const. of OBT labour shed (2 room) for workers at Plantation site subject to a minimum area of 15 ha and upto 25 ha beyond 25 ha one room to be added for every 13 ha or part thereof at proportionate cost.	No.	2.00	492000	984000	
	b) Maint. Of OBT hut @ 25% of the const. Cost per year from 4th year to 6th year including escalation value by multiplying factor					
	1.3 for 4th year					
	1.4 for 5th year					
	1.5 for 6th year					
15	a) Const. of Modified improved Basha Type standard size quarter for every 50 ha	No.	1.00	2439700	2439700	
	b) Maint. of @ 20% of const. Cost per year from 2nd year to 9th year including					
	1.2 for 3rd year					
	1.3 for 4rd year					
	1.4 for 5rd year					
	1.5 for 6rd year					
	1.6 for 7rd year					
	1.7 for 8rd year					
	1.8 for 9rd year					

16	Approach foot track to plantation in area where necessary	Rmt	2500.00	6.57	16425	
17	Monitoring, Supervision (POL, Maint. of vehicles, including TE etc.) @ 12% and Contingency @ 3% to meet up unseen expenditure i.e 15% on item No.1 to16 plus Nursery cost to meet the unforeseen expenditure Rs.18189578/-				2728437	
18	Provision for soil and moisture conservation structures (where needed) @ Rs. 7200/- per ha.	ha	56.26	7200	405072	
				Total	21323087	
					or say Rs.21323000	

(Rupees Two crore thirteen lakh twenty three thousand) only

Prepared by

(Signature)
 (D.K.Poddar) Addl. Chief Estimator
 O/O PCCF, Itanagar

(Signature)
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 Nodal Officer (FCA)