

ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER BANDERDEWA FOREST

DIVISION

Name of project : Construction of 132 KV T/L from Naharlagun to Sagalee
 User Agency : Power Deptt.
 Location of CA : Panir RF
 Area of CA : 16.70 x 2 = 33.40 ha
 Wages rate (DL) : 333/-

		Unit	Qnt	Rate	Amount	
A	Creation of Nursery					
	Cost of seedlings @ 1100 Nos. / ha.	ha	36740	18	661320	
1	1ST YEAR OPERATION					
	Survey & demarcation and preperation of map @ 5 DL/ ha.	ha	33.40	1332	44489	
	Sub Total					
2	2ND YEAR OPERATION					
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	2900	231.52	2126511	
	(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.	9185	18.0	165330	
	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	33.40	53114	1774008	
	(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) Preparation 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	33.40	17982	600599	
	(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	33.40	14286	477152	
	(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	33.40	6527	218002	
	(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	33.40	6993	233566	
	(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	33.40	2664	88978	
	(i) Maint. of inspection path / fireline & climber cutting					
	Add 60% escalation value on total item 9(i)					
10	8TH YEAR OPERATION	ha	33.40	2831	94555	
	(i) Maint. of inspection path / fireline & climbing cutting					
	Add 70% escalation value on item 10(i)					
	Sub-Total					
11	9TH YEAR OPERATION	ha	33.40	2997	100100	
	(i) Maint. of inspection path / fireline & climber cutting					
	Add 80% escalation value on total of item 11(i)					
12	10TH YEAR OPERATION	ha	33.40	3164	105678	

	(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.	1	1827000	1827000	
	(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	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.	1.00	492000	492000	
15	Approach foot track to plantation in area where necessary	Rmt	2900	6.57	19053	
16	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 to15 plus Nursery cost to meet the unforeseen expenditure Rs.9028340/-				1354251	
17	Provision for soil and moisture conservation structures (where needed) @ Rs. 8050/- per ha.	ha	33.40	7200	240480	
				Total	10623071	
				or say Rs.10623000		

(Rupees one crore six lakh twelve three thousand) only

Prepared by

(Signature)
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