

ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER BANDERDEWA FOREST DIVISION

Name of project : Construction of 132 kv dc Transmission Line from Pare HEP to North
User Agency : Vapi-II North Lakhimpur Transmission Limited.
Location of CA : Doimukh RF
Area of CA : 14.922 x 2 = 29.85 ha. or say 30.00 ha
Wages rate (DL) : 333/-

		Unit	Qnt	Rate	Amount	
A	Creation of Nursery					
	Cost of seedlings @ 1100 Nos. / ha.	ha	33000	18	594000	
1	1ST YEAR OPERATION					
	Survey & demarcation and preparation of map @ 4 mandays/ ha.	ha	30.00	1332	39960	
	Sub Total					
2	2ND YEAR OPERATION					
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	3100	231.52	717712	
	(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.	8250	18.0	148500	
	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 mandays/ha.	ha	30.00	53114	1593420	
	(ii) Alignment of pits & preparation of stakes, staking @ 10 mandys/ha					
	(iii) Digging of pits 30 Cm X 30 Cm X 30 Cm @ 22 mandays/ha					
	(iv) Prepration of thala by uprooting of debris by hoeing around pits @ 22 mandays/ha					
	(v) Carring of sapling to the planting site i/c planting of sapling @ 30 mandays (Area II) & 20 mandays (Area-I0/ha					

	(vi) Making of inspection path 1mtr wide @ 3 mandays/ha				
	(vii) Fire line cutting 3mtrs wide along the periphery @ 5 mandays/ha				
	(viii) Tending - 4 weeding @ 12 mandays/weeding/ha				
	Add 10% escalation value on total of item 4(i) to 4(viii)				
5	3RD YEAR OPERATION	ha	30.00	17982	539460
	(i) Tending - 3 weeding @ 12 mandays/ha				
	(ii) Casualty replacement 15%				
	(iii) Maint. of inspection path @ 1 manday/ha				
	(iv) Maint. Of fireline @ 1 manday/ha				
	Add 20% escalation value on total of item 5(i) to 5(iv)				
6	4TH YEAR OPERATION	ha	30.00	14286	428580
	(i) Tending -2 weedings @ 12 mandays/weeding/ha				
	(ii) Casualty replacement 10% @ 7 mandays/ha				
	(iii) Maint. Of inspection path @ 1 manday/ha				
	(iv) Maint. of fireline @ 1 manday/weeding/ha				
	Add 30% escalation value on item 6(i) to 6(iv)				
7	5TH YEAR OPERATION	ha	30.00	6527	195810
	(i) Tending - 1 weedings @ 12 mandays/weeding/ha				
	(ii) Maint. of inspection path @ 1 manday/ha				
	(iii) Maint. Of fire line @ 1 manday/ha				
	(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	30.00	6993	209790
	(i) Tending - 1 weedings @ 12 mandays/weeding/ha				
	(ii) Maint. of inspection path @ 1 mnday/ ha.				
	(iii) Maint. of fireline @ 1 manday/ha.				
	Add 50% escalation value on item 8(i) to 8(iii)				
9	7TH YEAR OPERATION	ha	30.00	2664	79920

	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
	Add 60% escalation value on total item 9(i)					
10	8TH YEAR OPERATION	ha	30.00	2831	84930	
	(i) Maint. of inspection path / fireline & climbing cutting @ 5 mandays/ha					
	Add 70% escalation value on item 10(i)					
	Sub-Total					
11	9TH YEAR OPERATION	ha	30.00	2997	89910	
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
	Add 80% escalation value on total of item 11(i)					
12	10TH YEAR OPERATION	ha	30.00	3164	94920	
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
	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	1740000	1740000	
	(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.	1.00	492000	492000	
	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					
16	Approach foot track to plantation in area where necessary	Rmt	1500	6.57	9855	
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.7058767/-				1058815	
18	Provision for soil and moisture conservation structures (where needed) @ Rs. 7200/- per ha.	ha	30.00	7200	216000	
				Total	8333582	
					or say Rs.8333600	

(Rupees eighty three lakh thirty three thousand six hundred) only

Prepared by


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