

ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER BANDERDEWA FOREST DIVISION

Name of project : Construction of 132 KV DC Transmission Line from Pare HEP- North
 User Agency : Vapi-II North Lakhimpur Transmission Limited.
 Location of CA : Dolmukh RF
 Area of CA : 23.31 x 2 = 46.62 ha. or say 46.65 ha
 Wages rate (DL) : 333/-

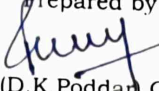
		Unit	Qnt	Rate	Amount	
A	Creation of Nursery					
	Cost of seedlings @ 1100 Nos. / ha.	ha	51315	18	923670	
1	1ST YEAR OPERATION					
	Survey & demarcation and preparation of map @ 4 mandays/ ha.	ha	46.65	1332	62138	
	Sub Total					
2	2ND YEAR OPERATION					
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	3800	231.52	879776	
	(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.	12829	18.0	230922	
	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 debris @ 15 mandays/ha.	ha	46.65	53114	2477768	
	(ii) Alignment of pits & preparation of stakes, staking @ 10 mandays/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					

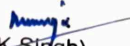
	(vi) Making of inspection path 1mtr wide @ 3 mandays/ha				
	(vii) Fire line cutting 3mtrs wide along the periphery @ 5 mandays/ha				
	(viii) Tending - 4 weeding @ 12 mandays/weeding/ha				
	Add 10% escalation value on total of item 4(i) to 4(viii)				
5	3RD YEAR OPERATION	ha	46.65	17982	838860
	(i) 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	46.65	14286	666442
	(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	46.65	6527	304485
	(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	46.65	6993	326223
	(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	46.65	2664	124276

(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
Add 60% escalation value on total item 9(i)					
8TH YEAR OPERATION	ha	46.65	2831	132066	
(i) Maint. of inspection path / fireline & climbing cutting @ 5 mandays/ha					
Add 70% escalation value on item 10(i)					
Sub-Total					
9TH YEAR OPERATION	ha	46.65	2997	139810	
(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
Add 80% escalation value on total of item 11(i)					
10TH YEAR OPERATION	ha	46.65	3164	147601	
(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
Add 90% escalation value on total of item 12 (i)					
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					
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					
Approach foot track to plantation in area where necessary	Rmt	5000	6.57	32850	
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.11750887/-				1762633	
Provision for soil and moisture conservation structures (where needed) @ Rs. 7200/- per ha.	ha	46.65	7200	335880	
			Total	13849400	
				or say Rs. 13849400	

(Rupees one crore thirty eight lakh forty nine thousand four hundred) only

Prepared by

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


 (R.K. Singh)
 Nodal Officer (FCA)