

ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER HAPOLI FOREST DIVISION

Name of project
User Agency
Location of CA
Area of CA
Wages rate (DL)

Construction of 132 KV DC T/L from Palin to Koloring.
Power Deptt.
Kamle RF
91.45 x 2= 182.90
333/-

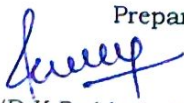
		Unit	Qnt	Rate	Amount	
A	Creation of Nursery					
	Cost of seedlings @ 1100 Nos. / ha.	ha	201190	18	3621420	
1	1ST YEAR OPERATION					
	Survey & demarcation and prepration of map @ 4 mandays/ ha.	ha	182.90	1332	243623	
	Sub Total					
2	2ND YEAR OPERATION					
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	7500	231.52	1736400	
	(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.	50298	18.0	905364	
	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	182.90	53114	9714551	
	(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-I)/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	182.90	17982	3288908
	(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	182.90	14286	2612909
	(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	182.90	6527	1193788
	(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	182.90	6993	1279020
	(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	182.90	2664	487246
	(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	182.90	2831	517790
	(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	182.90	2997	548151

	(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	182.90	3164	578696	
	(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.	7	1740000	12180000	
	(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.	7.00	492000	3444000	
	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.	3.00	2622600	7867800	
	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	Wages for plantation Supervisor for every 150 ha @ 11000/- for Area-I & Rs.11500/- for Area-II per month for 10 years where CA area is more than 150 ha. adding escalation value as item No. 13 above Add escalation value by multiplying factor as below.	No.	1.00	1914000	1914000	
	(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					
17	a) If CA area is 10 Km away from the nearest forest office/establishment 1(one) constn. Of SPT Beat Office (31.39 sqm) for area over 100 ha.					
	b) Maint. Of @ 10% of constn. Cost per year (from 2nd year to 9th year) including:	No.	1.00	1517173	1517173	
	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					
18	Approach foot track to plantation in area where necessary	Rmt	3000	6.57	19710	
19	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 to 18 plus Nursery cost to meet the unforeseen expenditure Rs.53670548/-				8050582	
20	Provision for soil and moisture conservation structures (where needed) @ Rs. 7200/- per ha.	ha	182.90	7200	1316880	
				Total	63038010	
					63038000	

(Rupees six crore thirty lakh thirty eight thousand) only

Prepared by

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


 10.3.23
 (K.B Singh)
 Nodal Officer (FCA)