

ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER LIKABALI FOREST DIVISION

Name of project : Construction of 132 KV S/C (on DC tower) T/L from Yachuli to Palin
 User Agency : Power Deptt.
 Location of CA : Simen PRF
 Area of CA : 29.33 hax 2 = 58.66 ha or say 58.70 ha.
 Wages rate (DL) : 330/-

		Unit	Qnt	Rate	Amount
A	Creation of Nursery				
	Cost of seedlings @ 1100 Nos. / ha.	ha	64570	18	1162260
1	1ST YEAR OPERATION				
	Survey & demarcation and preparation of map @ 4 mandays/ha.	ha	58.70	1332	78188
	Sub Total				
2	2ND YEAR OPERATION				
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	4300	23152	995536
	(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.	16143	18.0	290574
	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	58.70	53114	3117792
	(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				

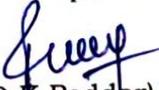
	(viii) Tending - 4 weeding @ 12 mandays/weeding/ha					
	Add 10% escalation value on total of item 4(i) to 4(viii)					
5	3RD YEAR OPERATION	ha	58.70	17982	1055543	
	(i) Tending - 3 weeding @ 12 mandays/ha					
	(ii) Casualty replacement 15%					
	(iii) Maint. of inspection path @ 1 manday/ha					
	(iv) Maint. Of fireline @ 1 manday/ha					
	Add 20% escalation value on total of item 5(i) to 5(iv)					
6	4TH YEAR OPERATION	ha	58.70	14286	838588	
	(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	58.70	6527	383135	
	(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	58.70	6993	410489	
	(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	58.70	2664	156377	
	(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	58.70	2831	166180	
	(i) Maint. of inspection path / fireline & climbing cutting @ 5 mandays/ha					

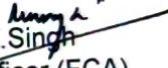
	Add 70% escalation value on item 10(i)					
	Sub-Total					
11	9TH YEAR OPERATION	ha	58.70	2997	175924	
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
	Add 80% escalation value on total of item 11(i)					
12	10TH YEAR OPERATION	ha	58.70	3164	185727	
	(i) Maint. of inspection 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.	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) Constn. Of Modified Improved Basha Type standard size quarter for every 50 ha.	No.	1.00	2439700	2439700	
	b) Maint. Of @ 20% of constn. 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	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 15929868/-				2389480
18	Provision for soil and moisture conservation structures (where needed) @ Rs. 7200/- per ha.	ha	58.70	7200	422640
				Total	18741988
					or say Rs.18742000

(Rupees one crore eighty seven lakh forty two thousand) only

Prepared by


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