

ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER HAPOLI FOREST DIVISION

Name of project : Construction of Tamen-Dollungmukh road (Phase-I) from 42.03 km to 72.03 km
 User Agency : BRTF
 Location of CA : Venyi Happa VFR
 Area of CA : 54.40 ha
 Wages rate (DL) : 400/-

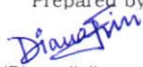
		Unit	Qnt	Rate	Amount
A	Creation of Nursery				
	Cost of seedlings @ 1100 Nos. / ha.	ha	59840	18	1077120
1	1ST YEAR OPERATION				
	Survey & demarcation and prepration of map @ 4 mandays/ ha.	ha	54.40	1600	87040
	Sub Total				
2	2ND YEAR OPERATION				
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	4000	262.51	1050040
	(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.	14960	18.0	269280
	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	54.40	63800	3470720
	(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-10/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	54.40	21600	1175040
	(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	54.40	17160	933504
	(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	54.40	7840	426496	
	(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	54.40	8400	456960	
	(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	54.40	3200	174080	
	(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	54.40	3400	184960	
	(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	54.40	3600	195840	
	(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	54.40	3800	206720	
	(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.	2.00	2088000	4176000	
	(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	565800	1131600	

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	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	Approach foot track to plantation in area where necessary	Rmt	1000	7.56	7560	
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 to 15 plus Nursery cost to meet the unforeseen expenditure Rs.15022960/-				2253444	
17	Provision for soil and moisture conservation structures (where needed) @ Rs. 8280/- per ha.	ha	54.40	8280	450432	
				Total	17726836	
					or say Rs.17726800	

(Rupees One crore seventy seven lakh twenty six thousand eight hundred) only

Prepared by

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