

(21)

ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER ANINI SOCIAL FORESTRY DIVISION

Name of project : Construction of Mipi-Andrala road from 0.00 km to 50.00km.
 User Agency : BRTF
 Location of CA : Biyanli VFR
 Area of CA : 144.00 ha.
 Wages rate (DL) : 350/-

		Unit	Qnt	Rate	Amount	
A	Creation of Nursery					
	Cost of seedlings @ 1100 Nos. / ha.	ha	158400	19	3009600	
1	1ST YEAR OPERATION					
	Survey & demarcation and preparation of map @ 4 mandays/ha.	ha	144.00	1400	201600	
	Sub Total					
2	2ND YEAR OPERATION					
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	6700	233.68	1565656	
	(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.	39600	19.0	752400	
	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	144.00	59675	8593200	
	(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) Preperation 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	144.00	18900	2721600	
	(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	144.00	15015	2162160	
	(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	144.00	6860	987840	
	(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	144.00	7350	1058400	
	(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	144.00	2800	403200	
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					

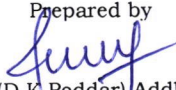
	Add 60% escalation value on total item 9(i)					
10	8TH YEAR OPERATION	ha	144.00	2975	428400	
	(i) Maint. of inspection path / fireline & climbing cutting @ 5 mandays/ha					
	Add 70% escalation value on item 10(i)					
	Sub-Total					
11	9TH YEAR OPERATION	ha	144.00	3150	453600	
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
	Add 80% escalation value on total of item 11(i)					
12	10TH YEAR OPERATION	ha	144.00	3325	478800	
	(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.	6	1827000	10962000	
	(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.	6.00	528900	3173400	
	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	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	No.	1.00	1972460	1972460	
	b) Maint. Of @ 10% 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					
17	Provision for plantation Supervisor for every 150 ha @ Rs.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, adding escalation value by multiplying factor as below.	No.	1.00	200100	200100	
	(M.F=1.1) for 2nd yr.					
	(M.F=1.2) for 3rd yr.					
	(M.F=1.3) for 4th yr.					
	(M.F=1.4) for 5th yr.					
	(M.F=1.5) for 6th yr.					
	(M.F=1.6) for 7th yr.					
	(M.F=1.7) for 8th yr.					
	(M.F=1.8) for 9th yr.					
	(M.F=1.9) for 10th yr.					
18	Approach foot track to plantation in area where necessary	Rmt	1000	7.16	7160	
19	Entry point activities	Ha	144	15800	2275200	

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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.49274576/-				7391186	
Provision for soil and moisture conservation structures (where needed) @ Rs. 7200/- per ha.	ha	144.00	8050	1159200	
			Total	57824962	
			or say Rs. 57825000		

(Rupees five crore seventy eight lakh twenty five thousand) only

Prepared by

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11.07.2023
(K.B. Singh)
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