

ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER ANJAW FOREST DIVISION

Name of project : Construction of Arrow-Khupa-Hayuliang road from 1.89 km to 24.80 km.
 User Agency : NHIDCL
 Location of CA : Delai PRF
 Area of CA : 83.59 ha.
 Wages rate (DL) : 333/-

		Unit	Qty	Rate	Amount
A	Creation of Nursery				
	Cost of seedlings @ 1100 Nos. / ha.	ha	91949	19	1747031
1	1ST YEAR OPERATION				
	Survey & demarcation and preparation of map @ 4 mandays/ ha.	ha	83.59	1400	117026
	Sub Total				
2	2ND YEAR OPERATION				
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	5100	233.68	1191768
	(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.	22987	19.0	436753
	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	83.59	59675	4988233
	(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) Preparation 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				

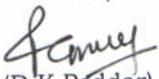
	(vi) Making of inspection path 1mtr wide @ 3 mandays/ha					
	(vii) Fire line cutting 3mtrs wide along the periphery @ 5 mandays/ha					
	(viii) Tending - 4 weeding @ 12 mandays/weeding/ha					
	Add 10% escalation value on total of item 4(i) to 4(viii)					
5	3RD YEAR OPERATION	ha	83.59	18900	1579851	
	(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	83.59	15015	1255104	
	(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	83.59	6860	573427	
	(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	83.59	7350	614387	
	(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	83.59	2800	234052	

	(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	83.59	2975	248680	
	(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	83.59	3150	263309	
	(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	83.59	3325	277937	
	(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.	3	1827000	5481000	
	(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.	3.00	528900	1586700	
	b) Maint. Of OBT hut @ 25% of the const. Cost per year from 4th year to 6th year including escalation value by multiplying factor					

15

	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.	1.00	2622600	2622600	
	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	Approach foot track to plantation in area where necessary	Rmt	2000	7.16	14320	
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.23232178/-				3484827	
18	Provision for soil and moisture conservation structures (where needed) @ Rs. 7200/- per ha.	ha	83.59	8050	672900	
				Total	27389905	
					or say Rs.27390000	

(Rupees two crore seventy three lakh ninety thousand) only

Prepared by

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