

ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER ANJAW FOREST DIVISION

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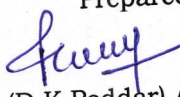
Name of project : Construction of Halaipani HEP (16 MW)
 User Agency : Halaipani HEP Ltd.
 Location of CA : Ditchu RF
 Area of CA : 4.75 x 2 = 9.50 ha
 Wages rate (DL) : 330/- (350/-)


		Unit	Qnt	Rate	Amount	
A	Creation of Nursery					
	Cost of seedlings @ 1100 Nos. / ha.	ha	10450	19	198550	
1	1ST YEAR OPERATION					
	Survey & demarcation and preperation of map @ 4 mandays/ha.	ha	9.50	1400	13300	
2	2ND YEAR OPERATION					
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	1700	233.68	397256	
	(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					
3	Raising of seedlings for casualty replacement	No.	2613	19.0	49647	
	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	9.50	59675	566913	
	(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) 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	9.50	18900	179550
	(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	9.50	15015	142643
	(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	9.50	6860	65170
	(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	9.50	7350	69825
	(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	9.50	2800	26600
	(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	9.50	2975	28263
	(i) Maint. of inspection path / fireline & climbing cutting @ 5 mandays/ha				
	Add 70% escalation value on item 10(i)				

11	9TH YEAR OPERATION	ha	9.50	3150	29925	
	(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	9.50	3325	31588	
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
	Add 90% escalation value on total of item 12 (i)					
13	Approach foot track to plantation in area where necessary	Rmt	200	7.16	1432	
14	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 to13 plus Nursery cost to meet the unforeseen expenditure Rs.1800660/-				270099	
15	Provision for soil and moisture conservation structures (where needed) @ Rs. 7200/- per ha.	ha	9.50	8050	76475	
				Total	2147234	
					or say Rs.2147200	

(Rupees twenty one lakh forty seven thousand two hundred) only

Prepared by

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