

186

ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER HAPOLI FOREST DIVISION

Name of Project Const. Of 33 KV T/L from Jang to Thingbu.
 User Agency Power Dept.
 Location of CA Kassin Putu Ago VFR
 Area of CA 28.67 ha x 2=57.34 ha or say 57.35 ha.
 Perimeter 4240 Rmt.
 Wages rate (DL) 333/-

Sl. No.	Item of works	Unit	Qty	Rate	Amount	Remarks
A	Creation of Nursery 1100 Nos per ha (spacing 3m x 3m)	No.	63085	18	1135530	
1	1ST YEAR OPERATION					
	Survey & demarcation and preparation of map @ 5 DL/ ha.	Ha	57.35	1665	95488	
	Add paid holidays @ 18.63%					
2	2ND YEAR OPERATION					
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	4240.00	214.00	907360	
	(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.	15771	18.00	283878	
	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 D/L per ha.	Ha	57.35	53480	3067078	
	(ii) Alignment of pits & preparation of stakes staking					
	(iii) Digging of pits 30 Cm X 30 Cm X 30 Cm					
	(iv) Transportation of seedlings to the planting site i/c planting of seedling					
	(v) Making of inspection path 1mtr wide					
	(vi) Fire line cutting 3mtrs wide along the periphery					
	(vii) Tending - 4 weeding					
	(viii) Add paid holiday @ 18.63%					

	Add 10% escalation value on total of item 4(i) to 4(viii)					
5	3RD YEAR OPERATION					
	(i) Tending - 3 weeding	Ha	57.35	21179	1214616	
	(ii) Casualty replacement 15%					
	(iii) Maint. of inspection path					
	(iv) Maint. Of fireline					
	(v) Add paid holiday @ 18.63 % on item 5 (i) to 5 (iv)					
	Add 20% escalation value on total of item 5(i) to 5(v)					
6	4TH YEAR OPERATION					
	(i) Tending -2 weedings	Ha	57.35	16883	968240	
	(ii) Casualty replacement 10%					
	(iii) Maint. Of inspection path					
	(iv) Maint. of fireline					
	(v) Add paid holiday @ 18.63% on item 6(i) to 6 (iv)					
	Add 30% escalation value on item 6(i) to 6(v)					
7	5TH YEAR OPERATION					
	(i) Tending - 1 weedings	Ha	57.35	7925	454499	
	(ii) Maint. of inspection path					
	(iii) Maint. Of fire line					
	(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					
	(i) Tending - 1 weedings	Ha	57.35	8492	487016	
	(ii) Maint. of inspection path @ 1 DL/ ha.					
	(iii) Maint. of fireline @ 1DL/ha.					
	(iv) Add paid holiday @ 18.63% on item 8(i) to 8 (iii)					
	Add 50% escalation value on item 8(i) to 8(iv)					
9	7TH YEAR OPERATION					
	(i) Maint. of inspection path / fireline & climber cutting	Ha	57.35	3197	183348	
	(ii) Add paid holiday 18.63% item 9(i)					
	Add 60% escalation value on total item 9(i) to 9(ii)					
10	8TH YEAR OPERATION					
	(i) Maint. of inspection path / fireline & climbing cutting	Ha	57.35	3397	194818	
	(ii) Add paid holiday @ 18.63% on total of item 10(i)					
	Add 70% escalation value on item 10(i) to 10 (ii)					

11	9TH YEAR OPERATION					
	(i) Maint. of inspection path / fireline & climber cutting	Ha	57.35	3596	206231	
	(ii) Add paid holiday @ 18.63% on item 11 (i)					
	Add 80% escalation value on total of item 11(i) to 11 (ii)					
12	10TH YEAR OPERATION					
	(i) Maint. of inspection path / fireline & climber cutting	Ha	57.35	3796	217701	
	(ii) Add paid holiday @ 18.63% on item 12 (i)					
	Add 90% escalation value on total of item 12 (i) to 12 (ii)					
13	Wages for plantation watchman at the rate of U/skilled labourer round the year for 10 years (one watchman for every 25 ha of area subject to a minimum area of 15 ha) @ Rs.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	Approach foot track to plantation in area where necessary	Rmt	3000	5.71	17130	
15	Contingency @ 3% on item No.1 to 16 plus nursery cost over 12912932/-				387388	
16	Provision for soil and moisture conservation structures (where needed) @ Rs. 6200/- per ha.	Ha	57.35	6200	355570	
				Grand Total	13655890	
				or say	13656000	

(Rupees One crore thirty six lakh fifty six thousand) only

Prepared by:

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(D Paul), Addl. Chief Estimator

O/o the Principal Chief Conservator of Forests
Itanagar.

Rajesh

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PCCF & Nodal Officer (FCA)