

ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER BANDERDEWA FOREST DIVISION.

Name of project :- Construction of 4 laning road from Papu Nallah to Banderdewa
 User Agency :- PWD Govt. of AP.
 Location of CA :- Papum RF
 Area of CA :- 58.9 Hac.
 Wages of D/LS :- Rs. 267/-

Sl. No.	Items of works			Rate	Amount	Remarks
		Unit	Qut			
A	Creation of Nursery					
	Cost of Seedlings @ 1100 Nos./ha.	Ha.	64790	18.00	11,66,220.00	
1	1st YEAR OPERATION					
	Survey & demarcation and preparation of map @ 5 DL/ ha.	Ha.	58.9	1,335	78,631.50	
	Add paid holidays @ 18.63%					
	Sub - Total					
2	2nd YEAR OPERATION					
	i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt.	58.9	16,450		
	ii) Maint. barbed wire fencing @ 5 % of erection cost in each from 3 rd year to 6 th year Add.					
	Add 10 % escalation value by multiplying factor:					
	1.20 for 3 rd year			197.40		
	1.3 for 4 th year			213.85		
	1.4 for 5 th year			230.30		
	1.5 for 6 th year			246.75		
	Sub -Total		58.9	17,338.00	10,21,208.20	
3	RAISING OF SEEDLINGS FOR CASUALTY REPLACEMENT					
	3 rd year 15% =165 Nos.					
	4 th year 10%=110 Nos. Total =275 Nos.	Nos.	16198	18	2,91,564.00	
4	RAISING OF PLANTATION					
	i) Clearance of brush wood, planting lines & staking or debries @ 15 D/L per ha.	Ha.	58.9	4,005		
	ii) Alignment of pits & preparation of stakes, staking			2,670		
	iii) Digging of pits 30 Cm X 30 Cm X 30Cm			5,874		
	iv) Transportation of seedlings to the planting site i/c planting of seedling			5,340		
	v) Making of inspection path 1mtr wide			801		
	vi) Fire line cutting 3 mtrs wide along the periphery			1,335		
	vii) Tending -4 weeding			12,816		
	viii) Add paid holiday @ 18.63%			6,141		
	Add 10% escalation value on total of item 4 (i) to 4 (viii)			3,898		
	Sub - Total	Ha.	58.9	42,880	25,25,632.00	
5	3rd YEAR OPERATION					
	i)Tending -3 weeding	Ha	58.9	9,612		
	ii) Casualty replacement 15 %			1,869		
	iii) Maint. of inspection path			267		
	iv) Maint. of fire line			267		
	v) Add paid holiday @ 18.63% on item 5 (i) to 5 (iv)			2,136		
	Add 20% escalation value on total of item 5(i) to 5(v)			2,830		
	Sub - Total	Ha	58.9	16,981	10,00,180.90	
					C/o =60,83,436.60	

	4th YEAR OPERATION				BF=60,83,436.60
	i) Tending -2 weedings	Ha.	58.9	6,408	
	ii) Casualty replacement 10 %			1,869	
	iii) Maint. of inspection path			267	
	iv) Maint. of fire line			267	
	v) Add paid holiday @ 18.63% on item 6 (i) to 6 (iv)			1,602	
	Add 30% escalation value on item 6 (i) to 6 (v)			3,124	
	Sub - Total	Ha.	58.9	13,537	7,97,239.30
7	5th YEAR OPERATION				
	i) Tending -1 weedings	Ha.	58.9	3,204	
	ii) Maint. of inspection path			267	
	iii) Maint. of fire line			267	
	iv) Add paid holiday @ 18.63% on item 7 (i) to 7 (iii)			801	
	Add 40% escalation value on item 7 (i) to 7 (iv)			1,816	
	Sub - Total	Ha.	58.9	6,355	3,74,309.50
8	6th YEAR OPERATION				
	i) Tending -1 weedings	Ha.	58.9	3,204	
	ii) Maint. of inspection path @ 1 DL/ha.			267	
	iii) Maint. of fire line @ 1 DL/ha.			267	
	iv) Add paid holiday @ 18.63% on item 8 (i) to 8 (iii)			801	
	Add 50% escalation value on item 8 (i) to 8 (iv)			2,270	
	Sub - Total	Ha.	58.9	6,809	4,01,050.10
9	7th YEAR OPERATION				
	i) Maint. of inspection path/fire line & climbing cutting			1,335	
	ii) Add paid holiday 18.63% item 9 (i)			267	
	Add 60% escalation value on total item 9 (i) to 9 (ii)			961	
	Sub - Total	Ha.	58.9	2,563	1,50,960.70
10	8th YEAR OPERATION				
	i) Maint. of inspection path/fire line & climbing cutting			1,335	
	ii) Add paid holiday @ 18.63% on total item 10 (i)			267	
	Add 70% escalation value on item 10(i) to 10 (ii)			1,121	
	Sub - Total	Ha.	58.9	2,723	1,60,384.70
11	9th YEAR OPERATION				
	i) Maint. of inspection path/fire line & climbing cutting			1,335	
	ii) Add paid holiday @ 18.63% on item 11 (i)			267	
	Add 80% escalation value on total of item 11(i) to 11 (ii)			1,282	
	Sub - Total	Ha.	58.9	2,884	1,69,867.60
12	10th YEAR OPERATION				
	i) Maint. of inspection path/fire line & climbing cutting			1,335	
	ii) Add paid holiday @ 18.63% on item 12 (i)			267	
	Add 90% escalation value on total item 12(i) to 12 (ii)			1,442	
	Sub - Total	Ha.	58.9	3,044	1,79,291.60
13	Wages for plantation watchman at the rate of U/skilled labourer round the year for 10 year (one watchman for every 25 ha. of area subject to a minimum area of 15 ha). @ Rs. 8000/- for Area-I Add escalation value by multiplying factor 1 st year.			96,000	
	(M.F = 1.1) for 2 nd yr.			1,05,600	
	(M.F = 1.2) for 3 rd yr.			1,15,200	
	(M.F = 1.3) for 4 th yr.			1,24,800	
	(M.F = 1.4) for 5 th yr.			1,34,400	
	(M.F = 1.5) for 6 th yr.			1,44,000	
	(M.F = 1.6) for 7 th yr.			1,53,600	
	(M.F = 1.7) for 8 th yr.			1,63,200	
	(M.F = 1.8) for 9 th yr.			1,72,800	
	(M.F = 1.9) for 10 th yr.			1,82,400	
	Sub -Total	No.	2	13,92,000	2,78,400.00
					C/o=85,95,030.00

					BF=85,95,030.00	
14	Monitoring and supervision (POL, Maint. of vehicles,					
15 a)	Construction of OBT labour shed (2-room) for workers at Plantation site subject to a minimum area of 15 ha. And up to 25 ha. Beyond 25 ha. one room to be added for every 13 ha. or part thereof at proportionate cost.	No.	2	1,62,955		
b)	Maint. of OBT hut @ 25 % of the const. Cost per year from 4 th year to 6 th year including.					
	Escalation value by multiplying factor.					
	1.3 for 4 th year			52,960		
	1.4 for 5 th year			57,034		
	1.5 for 6 th year.			61,108		
	Sub - Total		2	3,34,058	6,68,116.00	
16	Contingency 5% on item No.1 to 15 plus Nursery cost				4,63,157.30	
17	Approach foot track to plantation in area where necessary.	1	5890	5	29,450.00	
18	Provision for soil and moisture conservation structures (where needed) @ Rs. 4600/- per ha.	Ha.	58.9	4,600	2,70,940.00	
Total Rs. 1,00,26,693.30						

Say Rs. 1,00,26,700/-

(Rupees One Crore Twenty Six Thousand Seven Hundred) only.


(S.K. Singh) ACE
DFO Office Banderdewa


Divisional Forest Officer
Banderdewa Forest Division
Banderdewa