

DETAIL ESTIMATE FOR RAISING OF 190.80 Ha COMPENSATORY AFFORESTATION PLANTATION AGAINST ALONG-KAMBA-132KV TRANSMISSION LINE UNDER ALONG FOREST RANGE, AALO

SL NO	ITEMS OF WORK	MAN DAYS (D/LS)	RATE	AMOUNT	REMARKS
1	2	3	4	5	6
A	CREATION OF NURSERY				
	(i) Cost of Poly pot seedlings @100 Nos p/ha. Over 190.80Ha (@18/- per seedling)	As per norms	19,800	3777840	
	SUB TOTAL			37,77,840/-	
1	1st YEAR OPERATION				
	(i) Survey & Demarcation and preparation of Map @4 p/ha	763	333/-	254079	
	SUB TOTAL			2,54,079/-	
2	2nd YEAR OPERATION				
	(i) Erection of Barbed wire fencing (5 strand) per 100 Rent	190.80 Ha	18230	3478284	
	(ii) Maintenance of Barbed wire fencing @5% of erection cost in each ear from 3rd year to 6th year				
	Add. Escalation value by Multiplying Factor(MF) :				
	1.2 for 3rd year		1093.80	208697	
	1.3 for 4th year		1184.95	226088	
	1.4 for 5th year		1276.10	243480	
	1.5 for 6th year		1367.25	260871	
	SUB TOTAL			44,17,420/-	
3	RAISING OF SAPLING FOR CASUALTY REPLACEMENT				
	3rd year 15% = 31,482/- Nos @18/-			566676	
	4th Year 10% = 20,988/- Nos @18/-			377784	
	SUB TOTAL			9,44,460/-	
4	RAISING OF PLANTATION				
	(i) clearance of brushwood, planting, lines & stacking of debris @15 D/LS p/ha.	2862	333	953046	
	(ii) Alignment of pits & preparation of stakes, stacking @10 D/LS per ha.	1908	333	635364	

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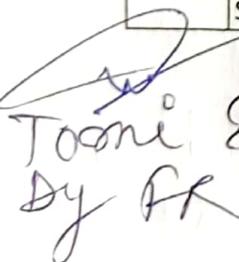
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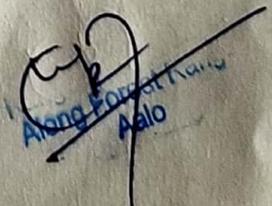
	(iii) Digging of pits 30cm*30cm*30cm=22 D/LS p/ha	4197.6	333	1397801	
	(iv) Preparation of Thala by uprooting debries by hoeing around pits @22 D/LS p/ha	4197.6	333	1397801	
	(v) Carrying of seedlings upto the planting site I/C planting of seedlings @30 D/LS p/ha	5724	333	1906092	
	(vi) Making of inspection Path- 1 mtr wide @3 D/LS p/ha	572	333	190476	
	(vii) Fire line cutting by 3 mtr wide along the periphery @5 D/LS p/ha	954	333	317682	
	(viii) Tending - 4 weeding @ 12 D/LS weeding p/ha = 48 D/LS *190.80 ha	9158	333	30,49,614	
	Add. 10% escalation value on item no IV (i) to (viii)	2957	333	984681	
	SUB TOTAL			1,08,32,557/-	
5	3RD YEAR OPERATION				
	(i) Tending = 3 weeding @12 D/LS weeding p/ha= 36 D/LS*190.80ha	6868.8	333	2287310	
	(ii) Casualty replacement 15% @7 D/LS*190.80 Ha	1335.6	333	444755	
	(iii) Maintainance of inspection Path @1 D/LS p/ha*190.80ha	190.8	333	63,536	
	(iv) Maintainance of Fire line cutting @1 D/LS*190.40 ha	190.4	333	63,536	
	Add. 20% escalation value on total V (i) to (iv) = 1717.2 Nos	1717.2	333	571828	
	SUB TOTAL			34,30,965/-	
6	4TH YEAR OPERATION				
	(i) Tending - 2 weeding @12 D/LS weeding / P/ha= 24 D/LS*190,80ha	4579.2	333	1524874	
	(ii) Casualty replacement 10% @7 D/LS	1335.6	333	444755	
	(iii) Maintainance of inspection Path @1 D/LS p/ha*190.80ha	190.8	333	63536	
	(iv) Maintainance of Fire line cutting @1 D/LS*190.40 ha	190.8	333	63536	
	Add 30% escalation value on total VI (i) to (iv)	1888.92	333	629010	
	SUB TOTAL			27,25,711/-	
7	5TH YEAR OPERATION				

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	(i) Tending - 1 Weeding @12 D/LS weeding p/ha = 12 D/LS 190.80 Ha	2289.6	333	762437	
	(ii) Maintenance of inspection Path @1 D/LS p/ha	190.8	333	63536	
	(iii) Maintenance of Fire line cutting @1 D/LS p/ha	190.8	333	63536	
	Add 40% escalation value on item VII (i) to (iii)	1068	333	355644	
	SUB TOTAL			12,45,154/-	
8	6TH YEAR OPERATION				
	(i) Tending - 1 Weeding @12 D/LS weeding p/ha = 12 D/LS 190.80 Ha	2289.60	333	762437	
	(ii) Maintenance of inspection Path @1 D/LS p/ha	190.80	333	63536	
	(iii) Maintenance of Fire line cutting @1 D/LS p/ha	190.80	333	63536	
	Add 50% escalation value on item VIII (i) to (iii)	1335.60	333	444755	
	SUB TOTAL			13,34,264/-	
9	7TH YEAR OPERATION				
	(i) Maintenance of Inspection Path, Fire line and climber cutting @5 D/LS p/ha	954.00	333	317682	
	Add 60% escalation value on total item IX(i)	572.40	333	190609	
	SUB TOTAL			5,08,291/-	
10	8TH YEAR OPERATION				
	(i) Maintenance of Inspection Path, Fire line and climber cutting @5 D/LS p/ha	954	333	317682	
	Add 80% escalation value on total item X(i)	763.2	333	254146	
	SUB TOTAL			5,71,828/-	
11	10TH YEAR OPERATION				
	(i) Maintenance of Inspection Path, Fire line and climber cutting @5 D/LS p/ha	954	333	317682	
	Add 90% escalation value on total item X(i)	858.6	333	285914	
	SUB TOTAL			6,03,596/-	


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	Wages of plantation watchmen at the rate of u/skilled labour round the year for 10 year (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 adding escalation value by multiplying factor as below	12 Month	12 Month	960000	
12	Sub total for 10 years			960000	
	(M.F=1.1) for 2nd yr.			1056000	
	(M.F=1.2) for 3rd yr.			1152000	
	(M.F=1.3) for 4th yr.			1248000	
	(M.F=1.4) for 5th yr.			1344000	
	(M.F=1.5) for 6th yr.			1440000	
	(M.F=1.6) for 7th yr.			1536000	
	(M.F=1.7) for 8th yr.			1632000	
	(M.F=1.8) for 9th yr.			1728000	
	(M.F=1.9) for 10th yr.			1824000	
	Sub Total			1,39,20000/-	
13	Cost of 2 Numbers of Motor cycle	2Nos			As per present market rate
14	a) Const. of Modified improved Basha type standard size quarter for every 50ha	No.	1	3148000	
	b) Maint. Of @20% of const. cost per year (from 2nd year to 9th year) including:			629600	
	1.2 for 3rd year			755520	
	1.3 for 4th year			818480	
	1.4 for 5th year			881440	
	1.5 for 6th year			944400	
	1.6 for 7th year			1007360	
	1.7 for 8th year			1070320	
	1.8 for 9th year			1133280	
	Sub Total			97,58,800/-	
15	a) If CA area is 10 KM away from the nearest forest office/establishment 1(one) Const. of SPT Beat office (31.39 sqm) for area over 100ha.	1 No.	1 No.	786100	Based on departmental approved rate
	b) Maint. Of @20% of const. cost per year (from 2nd year to 9th year) including:				
	1.3 for 4th year			102193	
	1.4 for 5th year			110054	

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	1.5 for 6th year			117915
	1.6 for 7th year			125776
	1.7 for 8th year			133637
	1.8 for 9th year			141498
	Sub Total			15,17,173/-
16	Supervision for plantation Supervisor for every 150ha @Rs 11000/- for Area-I & Rs 11500/- for Area-II per month for 10 yrs where CA area is more than 150ha adding escalation value as item no13 above adding escalation value by multiplying factor as below.	12 Month	12 Month	132000
	(M.F=1.2) for 3rd yr.			158400
	(M.F=1.3) for 4th yr.			171600
	(M.F=1.4) for 5th yr.			184800
	(M.F=1.5) for 6th yr.			198000
	(M.F=1.6) for 7th yr.			211200
	(M.F=1.7) for 8th yr.			224400
	(M.F=1.8) for 9th yr.			237600
	(M.F=1.9) for 10th yr.			250800
	Sub Total			19,14,000
17	Approach foot track to palntation in the area where necessary	800 Rmt	657	5,25,600/-
18	Monitoring, Supervision (POL, Maint. Of Vehicles, including TE etc.) @12% and contingency @3% to meet uo unseen expenditure i.e 15% on item No.1 to 17 and nursery cost. Over-Rs.		15%	87,42,261/-
19	Entry Point Activities	190.8	14600	27,85,680/-
20	Provision for soil and moiture conservation structures (site specific, if required)	190.8	7200	13,73,760/-

Total= 7,11,83,439/-

Rupees (Seven crore eleven lakhs eighty three thousand four hundred thirty ^{nine} eight) only

Tomie Etc
By FR

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Divisional Forest Officer
Aalo Forest Division
Aalo- 791001

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Range Forest Officer
Along Forest Range
Aalo