

**DETAIL ESTIMATE FOR RAISING OF COMPENSATORY AFFORESTATION PLANTATION UNDER
ALONG FOREST DIVISION**

Name of Project	:	Diversion proposal for Construction of 132KV Along to Yingkiong Transmission line (Along Portion)				
Name of Agency	:	Power grid				
Forest Land Diverted	:	69.96 Ha				
Compensatory Afforestation Area	:	139.92Ha				
Location of CA area	:	Jorji Takke Pujo RF				
Sl.No.	Items of Work	Unit	Quantity	Rate	Amount	Remark
1	2	3		4	5.00	6
A	CREATION OF NURSEY					
	Cost of poly pot sapling @ 1100 Nos/Ha over 139.92 Ha @18/- per sapling)	No.	153912.00	18	2770416.00	Area-I
	SUB TOTAL				2770416.00	
1	1st YEAR OPERATION					
	Survey & Demarcation and preparation of Map @ 4 mandays/ha.	No.	559.68	333	186373.44	
	SUB TOTAL				186373.44	
2	2nd YEAR OPERATION					
	(i) Erection of Barbed wire fencing (5 strand) per 100 Rmt	Ha	139.92	18230	2550741.60	
	(ii) Maintanance of Barbed wire fencing @5% erection cost in each year from 3rd year to 6th year					
	Add. Escalation value by Multiplying Factor MF):					
	1.2 for 3rd year		139.92	1093.8	153044.50	
	1.3 for 4th year		139.92	1185	165798.20	
	1.4 for 5th year		139.92	1276.1	178551.91	
	1.5 for 6th year		139.92	1367.3	191305.62	
	SUB TOTAL				3239441.83	
3	RAISING OF SAPLING FOR CASUALTY REPLACEMENT					
	3rd year 15% of total saplings @ 18/-	No.	23086.80	18	415562.40	
	4th year 10% of total sapling @ 18/-	No.	15391.20	18	277041.60	
	SUB TOTAL				692604.00	
4	RAISING OF PLANTATION					
	(i) Clearance of brushwood, planting lines & staking of debris @ 15 mandays/ha	No.	2098.80	333	698900.40	
	(ii) Alignment of pits & preparation of stakes, staking @ 10 mandays/ha	No.	1399.20	333	465933.60	

	(iii) Digging of pits 30cm x 30cm x 30cm @ 22 mandays/ha	No.	3078.24	333	1025053.92	
	(iv) Preparation of Thala by uprooting debris by hoeing around pits @ 22 mandays/ha	No.	3078.24	333	1025053.92	
	(v) Carrying of saplings to the planting site i/c planting of sapling @ 20 mandays/ha	No.	2798.40	333	931867.20	
	(vi) Making of inspection path 1mtr wide @ 3 mandays/ha	No.	419.76	333	139780.08	
	(vii) Fire line cutting by 3 mtr wide along the periphery @ 5 mandays/ha	No.	699.60	333	232966.80	
	(viii) Tending -4 weeding @12 mandays/weeding/ha	No.	6716.16	333	2236481.28	
	Add. 10% escalation value on item no.4 (i) to (viii)	No.	2028.84	333	675603.72	
	Sub Total				7431640.92	
5	3RD YEAR OPERATION					
	(i) Tending -3 weeding @ 12 mandays/weeding/ha	No.	5037.12	333	1677360.96	
	(ii) Casualty replacement 15% @ 7mandays/ha	No.	979.44	333	326153.52	
	(iii) Maintainance of inspection path @ 1 mandays/ha	No.	139.92	333	46593.36	
	(iv) Maintainance of Fire line @ 1 mandays/ha	No.	139.92	333	46593.36	
	Add. 20% escalation value on total of item 5 (i) to (iv)		1259.28	333	419340.24	
	Sub Total				2516041.44	
6	4TH YEAR OPERATION					
	(i) Tending - 2 weedings @ 12 mandays/ weeding /ha	No.	3358.08	333	1118240.64	
	(ii) Casualty replacement 10% @ 7 mandays /ha	No.	979.44	333	326153.52	
	(iii) Maintainance of inspection path @ 1 mandays/ha	No.	139.92	333	46593.36	
	(iv) Maintainance of Fire line@ 1 mandays/ha	No.	139.92	333	46593.36	
	Add 30% escalation value on total of item 6 (i) to (iv)		1385.21	333	461274.26	
	Sub Total				1998855.14	
7	5TH YEAR OPERATION					
	(i) Tending - 1 weeding @ 12 mandays/ weeding /ha	No.	1679.04	333	559120.32	
	(ii)Maintainance of inspection path @ 1 mandays/ha	No.	139.92	333	46593.36	

	(iii) Maintainance of fire line@1 mandays/ha	No.	139.92	333	46593.36	
	Add 40% escalation value on item 7 (i) to (iii)		783.55	333	260922.82	
	Sub Total				913229.86	
8	6TH YEAR OPERATION					
	(i) Tending - 1 weeding @ 12 mandays/ weeding/ha	No.	1679.04	333	559120.32	
	(ii)Maintainance of inspection path @ 1 mandays/ha	No.	139.92	333	46593.36	
	(iii) Maintainance of fire line@ 1 mandays/ha	No.	139.92	333	46593.36	
	Add 50% escalation value on item of 8 (i) to (iii)		979.44	333	326153.52	
	Sub Total				978460.56	
9	7TH YEAR OPERATION					
	(i) Maintainance of Inspection Path, Fire line and climber cutting @ 5 mandays/ha	No.	699.60	333	232966.80	
	Add 60% escalation value on total item of 9 (i)		419.76	333	139780.08	
	Sub Total				372746.88	
10	8TH YEAR OPERATION					
	(i) Maintainance of Inspection Path, Fire line and climber cutting @ 5 mandays/ha	No.	699.60	333	232966.80	
	Add 70% escalation value on total item of 10 (i)		489.72	333	163076.76	
	Sub Total				396043.56	
11	9TH YEAR OPERATION					
	(i) Maintainance of Inspection Path, Fire line and climber cutting @ 5 mandays/ha	No.	699.60	333	232966.80	
	Add 80% escalation value on total item of 11 (i)		559.68	333	186373.44	
	Sub Total				419340.24	
12	10TH YEAR OPERATION					
	(i) Maintainance of Inspection Path, Fire line and climber cutting @ 5 mandays/ha	No.	699.60	333	232966.80	
	Add 90% escalation value on total item 12 (i)		629.64	333	209670.12	
	Sub Total				442636.92	
13	Wages for plantation watchman at the rate of U/skilled labour round the year for 10 years (one watchman for every 25 Ha of area subject to a minimum area of 15 ha) @ Rs. 10000/- per month adding escalation value by multiplying factors as below:	No.	6.00	120000	720000.00	
	Sub total				720000.00	

	(M.F.1.1) for 2nd yr.				792000.00	
	(M.F.1.2) for 3rd yr.				864000.00	
	(M.F.1.3) for 4th yr.				936000.00	
	(M.F.1.4) for 5th yr.				1008000.00	
	(M.F.1.5) for 6th yr.				1080000.00	
	(M.F.1.6) for 7th yr.				1152000.00	
	(M.F.1.7) for 8th yr.				1224000.00	
	(M.F.1.8) for 9th yr.				1296000.00	
	(M.F.1.9) for 10th yr.				1368000.00	
	Sub Total for 10 yrs				10440000.00	
14	a)Construction of OBT labour shed (2 room) for workers at plantation site subject to a minimum area of 15 ha and upto 25 ha. Beyond 25ha one room to be added for every 13ha , Or part thereof at proportionate cost.	No.	5.00	240000	1200000.00	
	b) Maint. of OBT hut @25% of construction cost per year from 4th year to 6th year including escalation value by multiplying factor(MF)-					
	MF=1.3 for 4th year				390000.00	
	MF=1.4 for 5th year				420000.00	
	MF=1.5 for 6th year				450000.00	
	Sub Total				2460000.00	
15	a) Const. of Modified Improved Basha type standard size quarter for every 50ha	No.	3.00	787000	2361000.00	
	b) Maint. @20% of const. cost per year (from 2nd year to 9th year) including escalation value by Multiplying factor as below:-					
	MF=1.2 for 3rd year				566640.00	
	MF=1.3 for 4th year				613860.00	
	MF=1.4 for 5th year				661080.00	
	MF=1.5 for 6th year				708300.00	
	MF=1.6 for 7th year				755520.00	
	MF=1.7 for 8th year				802740.00	
	MF=1.8 for 9th year				849960.00	
	Sub Total				7319100.00	
16	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 100 ha	No.	1.00	786100	786100.00	Based on departmental approved rate
	b) Maint. @10% of const. cost per year (from 2nd year to 9th year) including.					

	1.3 for 4th year				102193.00	
	1.4 for 5th year				110054.00	
	1.5 for 6th year				117915.00	
	1.6 for 7th year				125776.00	
	1.7 for 8th year				133637.00	
	1.8 for 9th year				141498.00	
	Sub Total				1517173.00	
17	Approach foot track to plantation in the area where necessary	Rmt	5000.00	6.57	32850.00	
18	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 to 17 and nursery cost.				6619043.07	
19	Entry Point Activities	Ha	139.92	14600	2042832.00	
20	Provision for soil and moisture conservation structure (site specific, if required)	Ha	139.92	7200	1007424.00	
	Grand Total -				53796252.86	
	or Say				5,37,96,300	
	Rupees (Five Crore Thirty Seven Lakhs Ninety Six Thousand & Three Hundred) only					



(Jumdo Geiyi) APFS
Divisional Forest Officer
Along Forest Division

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