

## ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER YINGKIONG FOREST DIVISION

Name of project : Construction of 132 KV T/L from Yingkiong to Tuting  
 User Agency : Power Deptt.  
 Location of CA : Idu-Keba VRF  
 Area of CA : 211.68 hax 2 = 423.36 ha  
 Wages rate (DL) : 330/-

		Unit	Qnt	Rate	Amount	
<b>A</b>	<b>Creation of Nursery</b>					
	Cost of seedlings @ 1100 Nos. / ha.	ha	465696	19	8848224	
<b>1</b>	<b>1ST YEAR OPERATION</b>					
	Survey & demarcation and preparation of map @ 4 mandays/ha.	ha	423.36	1400	592704	
<b>2</b>	<b>2ND YEAR OPERATION</b>					
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	11500	233.68	2687320	
	(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					
<b>3</b>	<b>Raising of seedlings for casualty replacement</b>	<b>No.</b>	116424	19.0	2212056	
	3rd year 15%=165 Nos					
	4th year 10%= 110 Nos. Total= 275 Nos.					
<b>4</b>	<b>RAISING OF PLANTATION</b>					
	(i) Clearance of brush wood, planting lines & staking of debries @ 15 mandays/ha.	ha	423.36	59675	25264008	
	(ii) Alignment of pits & preparation of stakes, staking @ 10 mandays/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)					
<b>5</b>	<b>3RD YEAR OPERATION</b>	<b>ha</b>	<b>423.36</b>	<b>18900</b>	<b>8001504</b>	
	(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)					
<b>6</b>	<b>4TH YEAR OPERATION</b>	<b>ha</b>	<b>423.36</b>	<b>15015</b>	<b>6356750</b>	
	(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)					
<b>7</b>	<b>5TH YEAR OPERATION</b>	<b>ha</b>	<b>423.36</b>	<b>6860</b>	<b>2904250</b>	
	(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)					
<b>8</b>	<b>6TH YEAR OPERATION</b>	<b>ha</b>	<b>423.36</b>	<b>7350</b>	<b>3111696</b>	
	(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)					
<b>9</b>	<b>7TH YEAR OPERATION</b>	<b>ha</b>	<b>423.36</b>	<b>2800</b>	<b>1185408</b>	
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
	Add 60% escalation value on total item 9(i)					
<b>10</b>	<b>8TH YEAR OPERATION</b>	<b>ha</b>	<b>423.36</b>	<b>2975</b>	<b>1259496</b>	
	(i) Maint. of inspection path / fireline & climbing cutting @ 5 mandays/ha					
	Add 70% escalation value on item 10(i)					



11	<b>9TH YEAR OPERATION</b>	ha	423.36	3150	1333584	
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
	Add 80% escalation value on total of item 11(i)					
12	<b>10TH YEAR OPERATION</b>	ha	423.36	3325	1407672	
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
	Add 90% escalation value on total of item 12 (i)					
13	Wages for plantation watchman at the rate of Un/skilled labourer round the year for 10 year (one watchman for every 25 ha) @ 10000/- for Area-I & Rs.10500/- for Area-II per month. Add escalation value by multiplying factor 1st year.	No.	17	1827000	31059000	
	(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	a) Const. of OBT labour shed (2 room) for workers at Plantation site subject to a minimum area of 15 ha and upto 25 ha beyond 25 ha one room to be added for every 13 ha or part thereof at proportionate cost.	No.	17	528900	8991300	
	b) Maint. Of OBT hut @ 25% of the const. Cost per year from 4th year to 6th year including escalation value by multiplying factor					
	1.3 for 4th year					
	1.4 for 5th year					
	1.5 for 6th year					
15	a) Constn. Of Modified Improved Basha Type standard size quarter for every 50 ha.	No.	8.00	2622600	20980800	
	b) Maint. Of @ 20% of constn. Cost per year (from 2nd year to 9th year) including:					
	1.2 for 3rd year					
	1.3 for 4rd year					
	1.4 for 5rd year					
	1.5 for 6rd year					
	1.6 for 7rd year					

	1.7 for 8rd year				
	1.8 for 9rd year				
16	a) If CA area is 10 Km away from the nearest forest office/establishment 1(one) constn. Of SPT Beat Office (31.39 sqm) for area over 100 ha.	No.	1.00	1972460	1972460
	b) Maint. Of @ 10% of constn. Cost per year (from 2nd year to 9th year) including:				
	1.2 for 3rd year				
	1.3 for 4rd year				
	1.4 for 5rd year				
	1.5 for 6rd year				
	1.6 for 7rd year				
	1.7 for 8rd year				
	1.8 for 9rd year				
17	Provision for plantation Supervisor for every 150 ha @ Rs.11000/- for Area-I & Rs. 11500/- for Area-II per month for 10 years where CA area is more than 150 ha adding escalation vlue as item No.13 above adding escalation value by multiplying factor as below.	No.	2.00	2001000	4002000
	(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				
18	a) Cost of LMV in case of CA area is more than 300 ha in one Division	1 No		1200000	1200000
	a) Cost of HMV in case of CA area is more than 300 ha in one Division	1 No		1600000	1600000
19	01 (one) driver @ Rs.11000 for Area 1 & Rs. 11500 for Area-II per month for a period of 10 years for CA area more than 300 ha	2 No.		2001000	4002000
	(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				

(14)

	(M.F=1.9) for 10th year					
20	Approach foot track to plantation in area where necessary	Rmt	5000	7.16	35800	
21	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 to16 plus Nursery cost to meet the unforeseen expenditure Rs.139008032/-				20851209	
22	Entry point activities	ha	423.36	15800	6689088	
22	Provision for soil and moisture conservation structures (where needed) @ Rs. 7200/- per ha.	ha	423.36	8050	3408048	
				<b>Total</b>	<b>169956373</b>	
					or say Rs.169956000	

(Rupees sixteen crore ninety nine lakh fifty six thousand ) only

Prepared by

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12-1-23  
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