

**ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER
KHELLONG FOREST DIVISION, BHALUKPONG**

Name of Project

Diversion of 53.36 Sqm (0.534 Ha) of land for Construction
of 132KV LILO Substation at Tippi near Industrial Estate,
West Kameng District, Arunachal Pradesh.

User Agency

AE(E) Bhalukpong Electrical Sub-Division, Deptt. of Power

Location of CA

Tippi under Doimara Reserve Forest

Area of CA

0.534 ha x 2 = 1.068 ha Say 1.10 Ha

Perimeter

587.00 Rmt

Wages rate (DL)

333.00

Sl. No.	Item of works	Unit	Qty	Rate	Amount	Remarks
A	Creation of Nursery 1100 Nos per ha (spacing 3m x 3m)	No.	1210	18	21780.00	
	1ST YEAR OPERATION					
1	Survey & demarcation and preperation of map @ 5 DL/ ha.	Dls	6	333	1831.50	
	Add paid holidays @ 18.63%					
2	2ND YEAR OPERATION					
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	587	231.52	135902.24	
	(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.	302.5	18.00	5445.00	
	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 DLs/ha.	Ha	1.10	53114.00	58425.40	
	(ii) Alignment of pits & preparation of stakes, staking @ 10 DLs/ha					
	(iii) Digging of pits 30 Cm X 30 Cm X 30 Cm @ 25 DLs (Area-II) & 22 DLs (Area -I)/ha					
	(iv) Preperation of Thala by uprooting of debris by hoeing around pits @22 Mandays/ha					
	(v) Transportation of seedlings to the planting site i/c planting of seedling @ 30 DLs (Area II) & 20 DLs (Area I)/ha					

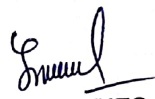
	(vi) Making of inspection path 1mtr wide @ 3 DLs/ha				
	(vii) Fire line cutting 3mtrs wide along the periphery @ 5 DLs/ha				
	(viii) Tending - 4 weeding @ 12 DLs/weeding per ha				
	Add 10% escalation value on total of item 4(i) to 4(viii)				
5	3RD YEAR OPERATION				
	(i) Tending - 3 weeding	Ha	1.10	17982.00	19780.20
	(ii) Casualty replacement 15%				
	(iii) Maint. of inspection path				
	(iv) Maint. Of fireline				
	Add 20% escalation value on total of item 5(i) to 5(iv)				
6	4TH YEAR OPERATION				
	(i) Tending -2 weedings	Ha	1.10	14286.00	15714.60
	(ii) Casualty replacement 10%				
	(iii) Maint. Of inspection path				
	(iv) Maint. of fireline				
	Add 30% escalation value on item 6(i) to 6(iv)				
7	5TH YEAR OPERATION				
	(i) Tending - 1 weedings	Ha	1.10	6527.00	7179.70
	(ii) Maint. of inspection path				
	(iii) Maint. Of fire line				
	Add 40% escalation value on item 7(i) to 7(iii)				
8	6TH YEAR OPERATION				
	(i) Tending - 1 weedings	Ha	1.10	6993.00	7692.30
	(ii) Maint. of inspection path @ 1 DL/ ha.				
	(iii) Maint. of fireline @ 1DL/ha.				
	Add 50% escalation value on item 8(i) to 8(iii)				
9	7TH YEAR OPERATION				
	(i) Maint. of inspection path / fireline & climber cutting	Ha	1.10	2664.00	2930.40
	Add 60% escalation value on total item 9(i)				
10	8TH YEAR OPERATION				
	(i) Maint. of inspection path / fireline & climbing cutting	Ha	1.10	2831.00	3114.10
	Add 70% escalation value on item 10(i)				
11	9TH YEAR OPERATION				
	(i) Maint. of inspection path / fireline & climber cutting	Ha	1.10	2997.00	3296.70
	Add 80% escalation value on total of item 11(i)				
12	10TH YEAR OPERATION				

	(i) Maint. of inspection path / fireline & climber cutting	Ha	1.10	3164.00	3480.40	
	Add 90% escalation value on total of item 12 (i)					
13	Approach foot track to plantation in area where necessary	Rmt	5000	6.57	32850.00	
14	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 13 and nursery cost. Over Rs. 9,13,640/-	No.	1	137046.00	137046.00	
15	Entry point activities at the rate of Rs.13,000/- per ha for area I	No.	1.10	14600.00	1369471.50	
16	Provision for soil and moisture conservation structures (where needed) @ Rs. 7200/- per ha for area I .	Ha	1.10	7200.00	7920.00	
				Grand Total	1833860.04	
				or say	2459000.00	

(Rupees Twenty Four Lakhs Fifty Nine Thousand) only

Prepared by:

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