

**DETAILED ESTIMATE FOR COMPENSATORY AFFORESTATION PLANTATION AT KOLAGAON VFR OVER 14.45 HECTARES AGAINST FOREST DIVERSION
PROPOSAL FOR DIVERSION OF FOREST LAND FOR CONSTRUCTION OF 132 KV T/L UNDER COMPREHENSIVE SCHEME FOR STRENGTHENING OF
TRANSMISSION AND DISTRIBUTION SYSTEM FROM KHONSA TO CHANGLANG UNDER KHONSA FOREST DIVISION**

Location :- Kolagaon VFR under Khonsa Forerst Division
 Forest Range :- Khonsa Forest Range
 Seedling / Spacing :- 1100/ Hectare
 Spacing:- 3Mx3M
 Species :- Poma, Ajar, Khokon, Hollock, Jack, Sopa, Dhuna, Gamari, Tita Sopa, Arjun
 Area :- 14.45 hectares.
 Wage rate :- Rs. 333.00

Sl. No.	Item of Works	Mandays	Cost of Plantation	Area (ha)	Amount	Remarks	
Creation of Nursery							
A	Cost of polypot saplings @1100 Nos. /hectare and Rs.18.00/sapling		19800	14.45	286110.00	As per CA norms and latest wages	
	Sub total:-				286110.00		
1st YEAR OPERATION							
1	Survey & demarcation and preparation of map @ 4 mandays/ha	4	1332	14.45	19247.40		
	Sub total:-				19247.40		
2nd YEAR OPERATION							
	i)Erection of barbed wire fence (5 strand) fencing per 100 Rmt. for 1800 m		18230		328140.00		
	ii)Maint. Of Barbed wire fencing @ 5% of erection cost in each year from 3rd year to 6th year.						
	Add 10% escalation value by multiplying factor:						
2	1.20 for 3rd Year				19688.40		
	1.30 for 4th Year				21329.10		
	1.40 for 5th Year				22969.80		
	1.50 for 6th Year				24610.50		
	Sub Total:-				416737.80		
Raising of sapling for casualty replacement (per ha)							
3	3rd Year 15% = 165 Nos.		2970	14.45	42916.50		
	4th year 10% = 110 nos. Total = 275 nos.		1980	14.45	28611.00		
	Sub Total:-				71527.50		

RAISING OF PLANTATION					
4	i) Clearance of brushwood, debris, planting lines & stacking @ 15 Mandays per ha	15	4995	14.45	72177.75
	ii) Alignment of pits & preparation of stakes, staking @ 10 Mandays per ha	10	3330	14.45	48118.50
	iii) Digging of pits 30Cm x 30 Cm x 30 Cm @ 22 Mandays per ha	22	7326	14.45	105860.70
	iv) Preparation of thala by uprooting debris by hoeing around pits @ 22 Mandays per ha	22	7326	14.45	105860.70
	v) Carrying of saplings to the planting site i/c planting of seedlings @ 20 Mandays per ha	20	6660	14.45	96237.00
	vi) Making of inspection path 1 Mtr wide @ 3 Mandays per ha	3	999	14.45	14435.55
	vii) Fireline cutting 3 Mtr wide along the periphery @ 5 Mandays per ha	5	1665	14.45	24059.25
	viii) Tending-4 weedings @ 12 Mandays per weeding per ha.	48	15984	14.45	230968.80
	Add 10% escalation value on total of item 4(i) to 4(viii)		4829	14.45	69779.05
	Sub Total:-				767497.30
3RD YEAR OPERATION					
5	i) Tending - 3 weedings @ 12 Mandays/weeding/ha	36	11988	14.45	173226.60
	ii) Casualty replacement 15%	7	2331	14.45	33682.95
	iii) Maint. Of inspection path @ 1 manday/ha.	1	333	14.45	4811.85
	iv) Maint. Of fireline @ 1 manday/ha.	1	333	14.45	4811.85
	Add 20% escalation value on total of item 5(i) to 5(iv)	9	2997	14.45	43306.65
	Sub Total				259839.90
4TH YEAR OPERATION					
6	i) Tending - 2 weedings @ 12 Mandays/weeding/ha	24	7992	14.45	115484.40
	ii) Casualty replacement 10%	7	2331	14.45	33682.95
	iii) Maint. Of inspection path @ 1 manday/ha.	1	333	14.45	4811.85
	iv) Maint. Of fireline @ 1 manday/ha.	1	333	14.45	4811.85
	Add 30% escalation value on total of item 6(i) to 6(iv)	9.9	3297	14.45	47641.65
	Sub Total				206432.70

As per CA norms
and latest wages

5TH YEAR OPERATION					
7	i)Tending - 1 weedings @ 12 Mandays/weeding/ha	12	3996	14.45	57742.20
	ii)Maint. Of inspection path @ 1 manday/ha.	1	1519	14.45	21949.55
	iii)Maint. Of fireline @ 1 manday/ha.	1	247	14.45	3569.15
	Add 40% escalation value on total of item 7(i) to 7(iii)	5.6	1865	14.45	26949.25
	Sub Total:-				110210.15
6TH YEAR OPERATION					
8	i)Tending - 1 weedings @ 12 Mandays/weeding/ha	12	3996	14.45	57742.20
	ii)Maint. Of inspection path @ 1 manday/ha.	1	333	14.45	4811.85
	iii)Maint. Of fireline @ 1 manday/ha.	1	333	14.45	4811.85
	Add 50% escalation value on total of item 8(i) to 8(iii)	7	2331	14.45	33682.95
	Sub Total:-				101048.85
7TH YEAR OPERATION					
9	i)Maint. Of inspection path/Fireline and climber cutting @ 5 mandays/ha	5	1665	14.45	24059.25
	Add 60% escalation value on total of item 9(i).	3	999	14.45	14435.55
	Sub total				38494.80
8TH YEAR OPERATION					
10	i)Maint. Of inspection path/Fireline and climber cutting @ 5 mandays/ha	5	1665	14.45	24059.25
	Add 70% escalation value on total of item 10(i).	3.5	1166	14.45	16848.70
	Sub total				40907.95
9TH YEAR OPERATION					
11	i)Maint. Of inspection path/Fireline and climber cutting @ 5 mandays/ha	5	1665	14.45	24059.25
	Add 80% escalation value on total of item 11(i).	4	1332	14.45	19247.40
	Sub total				43306.65
10TH YEAR OPERATION					
12	i)Maint. Of inspection path/Fireline and climber cutting @ 5 mandays/ha	5	1667	14.45	24088.15
	Add 90% escalation value on total of item 12(i).	4.5	1499	14.45	21660.55
	Sub total				
					45748.70

As per CA norms
and latest wages

(Rupees Thirty One lakhs Ten thousand) only.

Range Forest Officer
Khonsa Forest Range, Khonsa
~~Range Forest Officer,~~
Khonsa Forest Range
Arunachal Pradesh


Divisional Forest Officer
Khonsa Forest Division, Khonsa
Divisional Forest Officer
Khonsa Forest Division
Khonsa-792130