

Detail estimate for creation of Compensatory Afforestation against the land for diverted for
132 KV Transmission Line from Yachuli to Palin under Hapoli Forest Division.

Area. 72 Ha. x 2= 144 Ha.

Wages Rates(DLS) 333

Sl. No.	Item of works	MANDAYS		Proposed Norms		Remarks
		AREA-I	ARE A-II	AREA-I	ARE A-II	
A	Creation of nursery					
	Cost of seedling @ 1100 Nos. /Ha.			2851200		
	Area I @ Rs.18.00					
	Area II @ Rs. 19.00					
	Sub Total			2851200		
1	1 st YEAR OPERATION					
	Survey & demarcation and preparation of map @ 4 DL/ha.			191808		
	Sub Total			191808		
2	2 nd YEAR OPERATION			982656		
(i)	Erection of barbed wire fence (5 stand) fencing per 100 Rmt.			982656		
(ii)	Maint. Barbed wire fencing @ 5% of erection cost in each year from 3 rd year to 6 th year Add.					
	Add 10% escalation value by multiplying factor.					
	1.20 for 3 rd year			58960		
	1.3 for 4 th year			63873		
	1.4 for 5 th year			68786		
	1.5 for 6 th year			73699		
	Sub Total			1247974		
3	Raising of seedling for casualty replacement					
				427680		
	3 rd year 15%=Nos 23760 Nos					
	4 th year 10%=7271 N0s.			285120		
	Sub Total			712800		
4	RAISING OF PLANTATION					
(i)	Clearance of brush wood, Plantation lines & staking of derbies @ 15 DLs/ha.			719280		
(ii)	Alignment of pits & preparation of stakes, staking @ 10DLs/ha			479520		
(iii)	Digging of pits 30 Cm X 30 Cm @ 25 DLs (Area -II) & 22 DLs (Area-I) /ha			1054944		
(iv)	Transportation of seedlings to the planting site i/c planting of seedling @ 30 DLs (Area II) & 20 DLs (Area I)/ha			959040		
(v)	Making of inspection path 1 mtr wide @ 3 DLs/ha			143856		
(vi)	Fire line cutting 3mtrs wide along the periphery @ 5 DLs/ha			239760		
(vii)	Tending - 4 weeding @ 12 DLs/ weeding per ha			575424		
(viii)	Add paid holiday @ 18.63%			777211		
	Add 10% escalation value on total of item 4 (i) to 4 (viii)			494903		
	Sub Total			5443938		

5	3 rd YEAR OPERATION				
(i)	Tending - 3 weeding @ 36 DLs/weeding per ha				
(ii)	Casualty replacement 15% @ 7 DLs			1726272	
(iii)	Maint. of inspection path @ 1 DL/ha			50350	
(iv)	Maint. of fireline @ 1 D/ha			47952	
(v)	Add paid holiday @ 18.63% on item 5 (i) to 5 (iv)			47952	
	Add 20% escalation value on total of item 5 (i) to 5 (v)			348852	
	Sub Total			444276	
6	4 th YEAR OPERATION			2665654	
(i)	Tending -2 weedings @ 24 DLS/Ha.				
(ii)	Casualty replacement 10% @ 7 DLS/Ha.			1150848	
(iii)	Maint. of inspection path @ 1 DL/Ha.			135864	
(iv)	Maint. of fire line @ 1 DL/Ha.			47952	
(v)	Add paid holiday @ 18.63% on item 6(i) to 6 (iv)			47952	
	Add 30% escalation value on item 6(i) to 6 (5)			257581	
	Sub Total			492059	
7	5 th YEAR OPERATION			2132256	
(i)	Tending -1 weedings @ 12 DLs/weeding per ha				
(ii)	Maint. of inspection path @ 1 DL/ha			575424	
(iii)	Maint. of fire line 1DL/ha			47952	
(iv)	Add paid holiday @ 18.63% on item 7(i) to 7 (iii)			47952	
	Add 40 escalation value on item 7 (i) to 7 (iv)			125068	
	Sub Total			318558	
8	6 th YEAR OPERATION			1114954	
(i)	Tending - 1 weedings @ 12 DLs/weeding per ha				
(ii)	Maint. of inspection path @ 1 DL/ha			575424	
(iii)	Maint. of fireline @ 1 DL/ha			47952	
(iv)	Add paid holiday @ 18.63% on item 8 (i) to 8(iii)			47952	
	Add 50% escalation value on item 8(i) to 8 (iv)			125068	
	Sub Total			398198	
9	7 th YEAT OPERATION			1194594	
(i)	Maint. of inspection path/fireline& climber @ 5 DLS/Ha			242424	
(ii)	Add paid holiday 18.63% item 9(i)			45164	
	Add 60% escalation value on total item 9(i) to (ii)			172553	
	Sub Total			460141	
10	8 th YEAR OPERATION				

(i)	Maint. of inspection path / fireline& climbing cutting @ 5 DLS/Ha			239760		
(ii)	Add paid holiday @ 18.63% on total of item 10(i)			44667		
	Add 70% escalation value on item 10(i) to 10 (ii)			199099		
	Sub Total			483526		
11	9th YEAR OPERATION					
(i)	Maint. of inspection path/ fireline& climber cutting @ 5 DLS/Ha			239760		
(ii)	Add paid holiday @ 18.63% on item 11 (i)			44667		
	Add 80% escalation value on total of item 11 (i) to 11 (ii)			227542		
	Sub Total			511969		
12	10th YEAR OPERATION					
(i)	Maint. of inspection path/ fireline& climber cutting @ 5DLS/Ha			239760		
(ii)	Add paid holiday @ 18.63% on item 12 (i)			44667		
	Add 90% escalation value on total of item 12 (i) to 12 (ii)			255984		
	Sub Total			540411		
13	Wages for plantation watcher at the rate of U/skilled labourer round the year for 10 year (one watchman for every 25 ha of area of 15 ha) @ Rs.10000/- for Area-I &Rs. 10000/- month adding escalation value by multiplying factor as below.			7200000		
	(M.F=1.1) for 2 nd yr			79200		
	(M.F=1.2) for 3 rd yr			86400		
	(M.F=1.4) for 4 th yr			100800		
	(M.F=1.5) for 5 th yr			108000		
	(M.F=1.6) for 6 th yr			115200		
	(M.F=1.7) for 7 th yr			122400		
	(M.F=1.8) for 8 th yr			129600		
	(M.F=1.9) for 9 th yr			136800		
	Sub Total					
14						
a)	Const. of OBT labour shed (2 room) for workers at plantation site subject to a minimum area of 10 ha. And up to 25ha. Beyond 25 ha. One room to be added for every 13 ha. Or part thereof at proportionate cost.			977730		As per cost norms vide order no.130/TFC /2007/2294 6-90 Dtd Nov/2017
b)	Maint. of OBT hut @ 25% of the const.cost per year from 4 th year to 6 th year including escalation value by multiplying factor.					
	1.3 for 4 th year			3178		
	1.4 for 5 th year			3422		
	1.5 for 6 th year			3666		
	Sub Total			987996		

15						
a)	Const.of modified improved standard size Barsha (MB) type quarter for every 50 ha			1711926		
b)	Maint.of @ 20% of const.cost per year (from 2 nd year to 9 th year) including:					
	1.2 for 3 rd year			4109		
	1.3 for 4 th year			4451		
	1.4 for 5 th year			4793		
	1.5 for 6 th year			5136		
	1.6 for 7 th year			5478		
	1.7 for 8 th year			5820		
	1.8 for 9 th year			6163		
	Sub Total			1747876		
16	Entry point activities at the rate of Rs.15,000/- per ha			216000		
17	Provision for soil and moisture conservation structures (where needed) @ 26 DLs per ha.			1246752		
18	Monitoring, Supervision (POL, Maint. of vehicles, including TE etc.) @ 12 % and Contengency @ 3% to meet up unseen expenditure i.e. 15% on item No. 1 to 17 plus nursery cost over Rs.			4330906		
				Total:- 3,32,03,615/-		

(Rupees Three Crore Thirty Two Lakhs Three Thousand Six Hundred Fifteen Only)



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