

ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER DAPORIJO FOREST DIVISION

Name of project : Construction of Donginala-Gau road from 0.00 km to 15.328 km.  
 User Agency : NHIDCL  
 Location of CA : Ering VFR  
 Area of CA : 32.60 ha.  
 Wages rate (DL) : 333/-

		Unit	Qty	Rate	Amount
<b>A</b>	<b>Creation of Nursery</b>				
	Cost of seedlings @ 1100 Nos. / ha.	ha	35860	18	645480
<b>1</b>	<b>1ST YEAR OPERATION</b>				
	Survey & demarcation and preparation of map @ 4 mandays/ ha.	ha	32.60	1332	43423
	<b>Sub Total</b>				
<b>2</b>	<b>2ND YEAR OPERATION</b>				
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	3200	231.52	740864
	(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>Sub-Total</b>				
<b>3</b>	<b>Raising of seedlings for casualty replacement</b>	<b>No.</b>	<b>8965</b>	<b>18.0</b>	<b>161370</b>
	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 debris @ 15 mandays/ha.	ha	32.60	53114	1731516
	(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) Preparation of thala by uprooting of debris by hoeing around pits @ 22 mandays/ha				
	(v) Carrying of sapling to the planting site i/c planting of sapling @ 30 mandays (Area II) & 20 mandays (Area-I)/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>	32.60	17982	586213	
	(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>	32.60	14286	465724	
	(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>	32.60	6527	212780	
	(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>	32.60	6993	227972	
	(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>	32.60	2664	86846	

	(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>32.60</b>	<b>2831</b>	<b>92291</b>	
	(i) Maint. of inspection path / fireline & climbing cutting @ 5 mandays/ha					
	Add 70% escalation value on item 10(i)					
	<b>Sub-Total</b>					
<b>11</b>	<b>9TH YEAR OPERATION</b>	<b>ha</b>	<b>32.60</b>	<b>2997</b>	<b>97702</b>	
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
	Add 80% escalation value on total of item 11(i)					
<b>12</b>	<b>10TH YEAR OPERATION</b>	<b>ha</b>	<b>32.60</b>	<b>3164</b>	<b>103146</b>	
	(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.	1	1740000	1740000	
	(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.	1.00	492000	492000	
	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					
16	Entry point activities	ha	32.60	14600	475960	
17	Approach foot track to plantation in area where necessary	Rmt	1000	6.57	6570	
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 to16 plus Nursery cost to meet the unforeseen expenditure Rs.7909858/-				1186479	
19	Provision for soil and moisture conservation structures (where needed) @ Rs. 7200/- per ha.	ha	32.60	7200	234720	
				<b>Total</b>	<b>9331057</b>	
					or say Rs.9331000	

(Rupees ninety three lakh thirty one thousand ) only

Prepared by

*(Signature)*  
 (D.K.Poddar) Addl. Chief Estimator  
 O/O PCCF, Itanagar

*(Signature)*  
 (R.K.Singh)  
 Nodal Officer (FCA)