

**ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER BANDERDEWA FOREST  
DIVISION**

Name of project : Laying of 132 KV T/L from Naharlagun to Gerukamuk  
 User Agency : Powewr Deptt.  
 Location of CA : Panir RF *A. D. M. K. R. F.*  
 Area of CA : 202.31 ha x 2 = 404.62 ha or say 404.65 ha  
 Wages rate (DL) : 333/-

		Unit	Qnt	Rate	Amount	
<b>A</b>	<b>Creation of Nursery</b>					
	Cost of seedlings @ 1100 Nos. / ha.	ha	445115	18	8012070	
<b>1</b>	<b>1ST YEAR OPERATION</b>					
	Survey & demarcation and preperation of map @ 5 DL/ ha.	ha	404.65	1332	538994	
	<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	11265	231.52	25763314	
	(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>111279</b>	<b>18.0</b>	<b>2003022</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 debries @ 15 D/L per ha.	ha	404.65	53114	21492580	
	(ii) Alignment of pits & preparation of stakes, staking					
	(iii) Digging of pits 30 Cm X 30 Cm X 30 Cm					
	(iv) Transportation of seedlings to the planting site i/c planting of seedling					
	(v) Making of inspection path 1mtr wide					
	(vi) Fire line cutting 3mtrs wide along the periphery					
	(vii) Tending - 4 weeding					

	(viii) Preperation of thala by uprooting of debris by hoeing around pits @ 22 Mandays/ha					
	Add 10% escalation value on total of item 4(i) to 4(viii)					
5	<b>3RD YEAR OPERATION</b>	ha	404.65	17982	7276416	
	(i) Tending - 3 weeding					
	(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	<b>4TH YEAR OPERATION</b>	ha	404.65	14286	5780830	
	(i) Tending -2 weedings					
	(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	<b>5TH YEAR OPERATION</b>	ha	404.65	6527	2641151	
	(i) Tending - 1 weedings					
	(ii) Maint. of inspection path					
	(iii) Maint. Of fire line					
	(iv) Add paid holiday @ 18.63% on item 7(i) to 7 (iii)					
	Add 40% escalation value on item 7(i) to 7(iv)					
8	<b>6TH YEAR OPERATION</b>	ha	404.65	6993	2829717	
	(i) Tending - 1 weedings					
	(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	<b>7TH YEAR OPERATION</b>	ha	404.65	2664	1077988	
	(i) Maint. of inspection path / fireline & climber cutting					
	Add 60% escalation value on total item 9(i)					
10	<b>8TH YEAR OPERATION</b>	ha	404.65	2831	1145564	
	(i) Maint. of inspection path / fireline & climbing cutting					
	Add 70% escalation value on item 10(i)					
	<b>Sub-Total</b>					
11	<b>9TH YEAR OPERATION</b>	ha	404.65	2997	1212736	
	(i) Maint. of inspection path / fireline & climber cutting					
	Add 80% escalation value on total of item 11(i)					

12	<b>10TH YEAR OPERATION</b>	<b>ha</b>	<b>404.65</b>	<b>3164</b>	<b>1280313</b>	
	(i) Maint. of inspection path / fireline & climber cutting					
	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.	16	1740000	27840000	
	(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 LMV in case of CA area is more than 300 ha in one Division.	No.	1.00	1000000	1000000	
	b) Cost of HVM in case of CA area is more than 300 ha in one Division.	No.	1.00	1500000	1500000	
15	a) 1(one) driver @ Rs.11000 for Area-I & Rs.11500 for Area-II per month for a period of 10 years for CA area more than	No.	2.00	1914000	3828000	
	(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					
	b) 1 (one) handyman @ Rs.10000 for Area-I & Rs.10500 for Area-II per month for a period of 10 years for CA area more than 300 ha	No.	2.00	1740000	3480000	
16	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.	16.00	492000	7872000	

	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					
17	a) Const. of Modified improved Basha Type standard size quarter for every 50 ha	No.	8.00	2439700	19517600	
	b) Maint. of @ 20% of const. 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					
18	a) If CA area is 10 km away from the nearest forest office/establishment 1 (one) const.of SPT Beat Office (31.39 sqm) for area over 100 ha.	No.	1.00	1517173	1517173	
	b) Maint.of 10% of const.cost per year (from 2nd year to 9th year) including:					
	1.3 for 4th year					
	1.4 for 5th year					
	1.5 for 6th year					
	1.6 for 7th year					
	1.7 for 8th year					
	1.8 for 9th year					
19	Provision for Plantation Supervisor for every 150 ha @ Rs.11000/- for Area-II per month for 10 yrs where CA area is more than 150 ha adding escalation value as item No.13 above. Adding escalation value by multiplying factor as below.	No.	2.00	1914000	3828000	
	(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					

20	Approach foot track to plantation in area where necessary	Rmt	4000	6.57	26280	
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 to 20 plus Nursery cost to meet the unforeseen expenditure Rs.151463748/-				22719562	
22	Entry point activities	ha	404.65	14600	5907890	
23	Provision for soil and moisture conservation structures (where needed) @ Rs. 7200/- per ha.	ha	404.65	7200	2913480	
				<b>Total</b>	<b>183004680</b>	
					or say Rs. <b>183005000</b>	

(Rupees Eighteen crore thirty lakh five thousand ) only

Prepared by

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

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