

REVISED ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER BANDERDEWA

Name of Project

User Agency

Location of CA

Area of CA

Perimeter

Wages rate (DL)

FOREST DIVISION

Laying of 132 KV dc t/l FROM Bishwabath Charalli to Itanagar

NER-II Transmission Ltd.

Drupong RF

48.987 x 2= 97.974 ha or say 98.00 ha

5500 Rmt.

333/-

Sl. No.	Item of works	Unit	Qty	Rate	Amount	Remarks
A	Creation of Nursery 1100 Nos per ha (spacing 3m x 3m)	No.	107800	18	1940400	
1	<b>1ST YEAR OPERATION</b>					
	Survey & demarcation and preperation of map @ 5 DL/ ha.	Ha	98.00	1665	163170	
	Add paid holidays @ 18.63%					
2	<b>2ND YEAR OPERATION</b>					
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	5500	214.00	1177000	
	(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.	26950	18.00	485100	
	3rd year 15%=165 Nos					
	4th year 10%= 110 Nos. Total= 275 Nos.					
	<b>RAISING OF PLANTATION</b>					
	(i) Clearance of brush wood, planting lines & staking of debries @ 15 D/L per ha.	Ha	98.00	53480	5241040	
	(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) Add paid holiday @ 18.63%					
	Add 10% escalation value on total of item 4(i) to 4(viii)					
<b>5</b>	<b>3RD YEAR OPERATION</b>					
	(i) Tending - 3 weeding	Ha	98.00	21179	2075542	
	(ii) Casualty replacement 15%					
	(iii) Maint. of inspection path					
	(iv) Maint. Of fireline					
	(v) Add paid holiday @ 18.63 % on item 5 (i) to 5 (iv)					
	Add 20% escalation value on total of item 5(i) to 5(v)					
<b>6</b>	<b>4TH YEAR OPERATION</b>					
	(i) Tending - 2 weedings	Ha	98.00	16883	1654534	
	(ii) Casualty replacement 10%					
	(iii) Maint. Of inspection path					
	(iv) Maint. of fireline					
	(v) Add paid holiday @ 18.63% on item 6(i) to 6 (iv)					
	Add 30% escalation value on item 6(i) to 6(v)					
<b>7</b>	<b>5TH YEAR OPERATION</b>					
	(i) Tending - 1 weedings	Ha	98.00	7925	776650	
	(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)					
<b>8</b>	<b>6TH YEAR OPERATION</b>					
	(i) Tending - 1 weedings	Ha	98.00	8492	832216	
	(ii) Maint. of inspection path @ 1 DL/ ha.					
	(iii) Maint. of fireline @ 1DL/ha.					
	(iv) Add paid holiday @ 18.63% on item 8(i) to 8 (iii)					
	Add 50% escalation value on item 8(i) to 8(iv)					
<b>9</b>	<b>7TH YEAR OPERATION</b>					
	(i) Maint. of inspection path / fireline & climber cutting	Ha	98.00	3197	313306	
	(ii) Add paid holiday 18.63% item 9(i)					
	Add 60% escalation value on total item 9(i) to 9(ii)					
<b>10</b>	<b>8TH YEAR OPERATION</b>					

	(i) Maint. of inspection path / fireline & climbing cutting	Ha	98.00	3397	332906	
	(ii) Add paid holiday @ 18.63% on total of item 10(i)					
	Add 70% escalation value on item 10(i) to 10 (ii)					
<b>11</b>	<b>9TH YEAR OPERATION</b>					
	(i) Maint. of inspection path / fireline & climber cutting	Ha	98.00	3596	352408	
	(ii) Add paid holiday @ 18.63% on item 11 (i)					
	Add 80% escalation value on total of item 11(i) to 11 (ii)					
<b>12</b>	<b>10TH YEAR OPERATION</b>					
	(i) Maint. of inspection path / fireline & climber cutting	Ha	98.00	3796	372008	
	(ii) Add paid holiday @ 18.63% on item 12 (i)					
	Add 90% escalation value on total of item 12 (i) to 12 (ii)					
13	Wages for plantation watchman at the rate of U/skilled labourer round the year for 10 years (one watchman for every 25 ha of area subject to a minimum area of 15 ha) @ Rs.8000/- for Area-I & Rs.8500/- for Area-II per month. Add escalation value by multiplying factor 1st year	No.	4	1740000	6960000	
	(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 one modified improved standard size Barsha (MB) type quarter for every 50 ha	No.	2	2021690	4043380	
	b) Maint. of @ 20% of const. cost per year (from 2nd year to 9th year) including:					
	escalation value by multiplying					
	1.1 for 2nd year x 76340					
	1.2 for 3rd year					
	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					
15	a) Const.of OBT labourer 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.	4.0	381778	1527112	
	b) Maint.of OBT hut @ 25% of the const.of cost per year from 4th year to 6th year including:					
	1.1 for 2nd year x 76340					
	1.2 for 3rd year					
	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					
16	Approach foot track to plantation in area where necessary	Rmt	4000	5.71	22840	
17	Monitoring, Supervision (POL, Maint.of vehciles, including TE etc.) @ 12% and Contingency @ 3% to meet up unseen expenditure i.e.15% on item No.1 to 16 plus nursery cost over Rs.28269612/-				4240442	
19	Provision for soil and moisture conservation structures (where needed) @ Rs. 6200/- per ha.	Ha	98.00	6200	607600	
				Grand Total	33117654	
				or say	33119000	
				Already paid (-)	23260100	
				Balance to be paid	9857900	
(Rupees Ninety eight lakh fifty seven thousand nine hudnred) only						

Prepared by:

  
(D. Paul), Addl.Chief Estimator  
O/o the Principal Chief Conservator of Forests  
Itanagar.

  
(R.K. Singh)  
PCCF (A&V) LO