

Estimate For Advance Work , Creation, Ten Year maintenance of Plantation including Eco restoration, Enrichment (Gap Planting) of vacant Forest land, degraded Forest area with specified number of trees using 2 years old seedlings by way of CA against proposal for Tilaboni Underground Project, Bankola Area, Eastern Coalfields Limited

Location
Degraded Forest land (DFL) within South East Circle Jurisdiction (Durgapur, Burdwan & Birbhum Division) as per availability

Unit - 1000 Plants
Spacing = 3 m X 3 m

Species:- Sal & its associates like Mohua, Bahera, Neem, Kusum, Piyal, Asan, Sirish, Mango, Tamarind, Jam, Karanj, Arjun, Chhatim etc.

Advance Work

Sl. No.	A. Nursery	M.D	Rate	Amount
1	Cleaning levelling & dressing site	1.00		
2	Preparation of mother bed & pricking out bed	1.00		
3	Sowing seed in mother bed	1.00		
4	Filling up polythene tube with sand & Cowdung manure 1:1	10.00		
5	Making nursery shed with bamboo & thatch etc. complete	1.00		
6	Making fencing around the nursery	2.00		
7	Making nursery hut with bamboo & thatch	2.00		
8	Watering the seedlings for 3 months	8.00		
		26.00	271.00	7046.00
9	Price of nursery materials			
	a) Polypot (8"x 6")	2 kg	200	400.00
	b) Bamboo thatch etc.		L.S	200.00
	c) Insecticides		L.S	200.00
	d) Seeds		L.S	500.00
	e) Cowdung	4 m3	500.00	2000.00
	f) Sand	4 m3	300.00	1200.00
	g) Fencing materials			2000.00
				6500.00
	B. Contingency			
1	Fertilizer			2000.00
2	Hormone			272.00
	C. Nursery maintenance (2nd year)			
1	Weeding and cleaning	10		
2	Sorting and shifting	10		
3	watering of the seedlings	25		
4	Application of fertilizer & insecticides.	5		
		50	298.00	14900.00
5	Supply of materials (fertilizer, insecticides etc.)			4000.00
	D. Soil Work			
1	Survey demarcation & preparation of map	2		
2	Alignment staking of planting pit	2		
3	Digging planting pit of size 60 + 45/2 X 60 X 45 over 1000 Nos.	30		
4	Making inspection path	2		
		36	298.00	10728.00
	Total			45446.00

Creation Work				
Sl.No.	Particulars	Qty/MD	Rate	Amount
CREATION WORKS (PLANTATION)				
1	Hoeing surrounding the boundary line including sowing of Akashmoni & Babla Seed	10		
2	Cleaning the plantation area before planting	15		
3	Pricking of seedlings	4		
4	Dibblings of seeds	3		
5	Weeding and cleaning	6		
6	Sorting, shifting & watering	12		
7	Filling up planting pits including application of fertilizer	20		
8	Planting seedlings including carriage	20		
9	Vacancy filling including application of insecticides	4		
		94	328.00	30832.00
	Total			30832.00
FENCING WORKS				
10	Supply of Bamboo Gabbion Minimum 6' height, rectangular shaped each side Minimum 2' made of Bamboo Posts & splitted bamboos with one year maintenance all complete	1000	250.00	250000.00
	Total			250000.00
TENDING & OTHER WORKS				
11	1st time weeding cleaning & mulching with fertilizer	16		
12	2nd time weeding cleaning & mulching	14		
13	3rd time weeding cleaning & mulching	10		
14	Watch & Ward	24		
15	Fire protection	8		
16	Fire line cutting	16		
17	Irrigation facility	10		
		98	328.00	32144.00
18	Making Signboard etc.			1844.00
	Total			33988.00
Materials				
19	Supply of fertilizer, Vermicompost, Hormone			6632.00
	GRAND TOTAL			366898.00

1st YEAR MAINT WORKS				
Sl.No.	Particulars	Qty/MD	Wage Rate	361.00
			Rate	Amount
TENDING WORKS				
1	Infilling by taller seedlings	4		
2	1st time weeding cleaning & mulching with fertilizer	16		
3	2nd time weeding cleaning & mulching with fertilizer	14		
4	3rd time weeding cleaning & mulching with fertilizer	10		
5	Fire protection	4		
6	Fire line maintenance	10		
7	Repair of gabbion	8		
8	Watch & Ward	24		
9	Irrigation facility	10		
		100	361.00	36100.00
10	gabbion repair materials etc.			5000.00
Materials				
11	Supply of fertilizer, Vermicompose, Hormone, bamboos			7534.00
12	Price of seedlings including carriage	100 Nos.	40	4000.00
	TOTAL			52634.00

2nd YEAR MAINT WORKS		Wage Rate	397.00	
Sl.No.	Particulars	Qty/MD	Rate	Amount
TENDING WORKS				
1	Infilling by taller seedlings	4		
2	1st time weeding cleaning & mulching with fertilizer	16		
3	2nd time weeding cleaning & mulching with fertilizer	14		
4	3rd time weeding cleaning & mulching with fertilizer	10		
5	Fire protection	4		
6	Fire line maintenance	10		
7	Repair of gabbion	6		
8	Watch & Ward	24		
		88	397.00	34936.00
10	Materials for gabbion repair etc.			5000.00
Materials				
11	Supply of fertilizer,Vermicompose,Hormone			5148.00
12	Price of seedlings including carriage	50 Nos	60	3000.00
	TOTAL			48084.00

3rd YEAR MAINT WORKS		Wage Rate	437.00	
Sl.No.	Particulars	Qty/MD	Rate	Amount
TENDING WORKS				
1	1st time weeding cleaning & mulching with fertilizer	16		
2	2nd time weeding cleaning & mulching with fertilizer	14		
3	3rd time weeding cleaning & mulching	10		
4	Fire protection	4		
5	Fire line maintenance	10		
6	Repair of gabbion	6		
7	Watch & Ward	24		
		84	437.00	36708.00
8	Materials for gabbion repair etc.			5000.00
Materials				
9	Supply of fertilizer,Vermicompose,Hormone			2772.00
	TOTAL			44480.00

4th YEAR MAINT WORKS		Wage Rate	481.00	
Sl.No.	Particulars	Qty/MD	Rate	Amount
TENDING WORKS				
1	1st time weeding cleaning & mulching	16		
2	2nd time weeding cleaning & mulching	14		
3	Fire protection	4		
4	Fire line maintenance	10		
5	Repair of gabbion	6		
6	Watch & Ward	24		
		74	481.00	35594.00
7	Materials for gabbion repair etc.			5000.00
	TOTAL			40594.00

5th YEAR MAINT WORKS		Wage Rate	529.00	
Sl.No.	Particulars	Qty/MD	Rate	Amount
TENDING WORKS				
1	1st time weeding cleaning & mulching with fertilizer	12		
2	2nd time weeding cleaning & mulching with fertilizer	10		
3	Fire protection	4		
4	Fire line maintenance	10		
5	Repair of gabbion	6		
6	Watch & Ward	24		
		66	529.00	34914.00
7	Materials for gabbion repair etc.			5000.00
	TOTAL			39914.00

6th YEAR MAINT WORKS		Wage Rate	582.00	
Sl.No.	Particulars	Qty/MD	Rate	Amount
TENDING WORKS				
1	1st time weeding cleaning & mulching with fertilizer	16		
2	Fire protection	4		
3	Fire line maintenance	10		
4	Repair of gabbion	6		
5	Watch & Ward	24		
		60	582.00	34920.00
6	Materials for gabbion repair etc.			5000.00
	TOTAL			39920.00

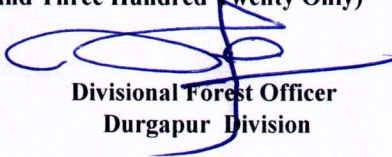
7th YEAR MAINT WORKS		Wage Rate	640.00	
Sl.No.	Particulars	Qty/MD	Rate	Amount
TENDING WORKS				
1	1st time weeding cleaning & mulching with fertilizer	16		
2	Fire protection	4		
3	Fire line maintenance	10		
4	Repair of gabbion	6		
5	Watch & Ward	24		
		60	640.00	38400.00
6	Materials for gabbion repair etc.			5000.00
	TOTAL			43400.00

8th YEAR MAINT WORKS		Wage Rate	704.00	
Sl.No.	Particulars	Qty/MD	Rate	Amount
TENDING WORKS				
1	1st time weeding cleaning & mulching with fertilizer	16		
2	Fire protection	4		
3	Fire line maintenance	10		
4	Repair of gabbion	6		
5	Watch & Ward	24		
		60	704.00	42240.00
6	Materials for gabbion repair etc.			5000.00
	TOTAL			47240.00

9th YEAR MAINT WORKS		Wage Rate	774.00	
Sl.No.	Particulars	Qty/MD	Rate	Amount
TENDING WORKS				
1	1st time weeding cleaning & mulching with fertilizer	16		
2	Fire protection	4		
3	Fire line maintenance	10		
4	Repair of gabbion	6		
5	Watch & Ward	24		
		60	774.00	46440.00
6	Materials for gabbion repair etc.			5000.00
	TOTAL			51440.00

10th YEAR MAINT WORKS		Wage Rate	851.00	
Sl.No.	Particulars	Qty/MD	Rate	Amount
TENDING WORKS				
1	1st time weeding cleaning & mulching with fertilizer	16		
2	Fire protection	4		
3	Fire line maintenance	10		
4	Repair of gabbion	6		
5	Watch & Ward	24		
		60	851.00	51060.00
6	Materials for gabbion repair etc.			5000.00
	TOTAL			56060.00
	Grand Total Per 1000 Plants			830664.00
	Grand Total for 130000 Plants			107986320.00

(Rupees Ten Crore Seventy Nine Lakh Eighty Six Thousand Three Hundred Twenty Only)


Divisional Forest Officer
Durgapur Division

COUNTERSIGNED


 Addl. Principal Chief Conservator of Forests

Chief Conservator of Forests
 South East Circle, West Bengal

