

**Estimate For Advance Work , Creation, Ten Year maintenance of QGS Plantation for
Compensatory Afforestation against proposal for Gourangadihi ABC Coal Mine in favour
of West Benagl Mineral Development and Trading Corporation Ltd.**

Location				
Sl No.	Mouza	Area (in Acre)	Area (in Ha)	
1	Aligarh	132.95	53.80	
2	Dhaka	130.65	52.87	
	Total	263.6	106.67	

Unit - 1 Ha

Spacing = 2.50 m X 2.50 m

Species:- Akashmoni, Amlaki, Bahera, Haritaki, Piasal, Mahul, Jarul, Jam, Arjun, Red Chandan, Karanj
Piyal, Sidha, Kusum, Haldu, Asan, Champ, Neem, Bhelai, Dha, Gab, Setisal, Ashoke etc.

Akashmoni :- 70% Misc :- 30 %

Advance Work

A. Nursery				
Sl. No.	Particulars of work	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 mannure 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 seedling during March	4.00		
		22.00	268.00	5896.00
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. Soil Work				
1	Survey demarcation & preparation of map	1		
2	Alignment staking of planting pit	1		
3	Digging planting pit of size 60 + 45/2 X 45 X 45 over 1 ha	40		
4	Making inspection path	1		
5	Alignment and Cutting of contour trench of size 0.45m x 0.45m x 5 mt, total 500m long per ha =101.25 m3 in staggered 101.25 m3 in staggered manner. 0.5 mt away one pit line and 2 mt away from another line for easy movement. Trench line to next trench line distance 10 mt	31		
		74	268.00	19832.00
C. Contingency				
1	Fertilizer			2000.00
2	Hormone			272.00
	Total			34500.00

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 and shifting	6		
7	Filling up planting pits including application of fertilizer	20		
8	Planting seedlings including carriage	20		
9	Vacancy filling including application of insecticides	4		
		88	268.00	23584.00
	Total			23584.00
FENCING WORKS				
10	Erection of barbed wire fencing 4 strands including cost of fencing materials and fixing all complete including RCC post			20000.00
	Total			20000.00
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	268.00	26264.00
18	Making Signboard etc.			1844.00
	Total			28108.00
Materials				
19	Supply of fertilizer, Vermicompost, Hormone			6632.00
	GRAND TOTAL			78324.00

1st YEAR MAINT WORKS		Wage Rate - 308.00		
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 fencing	6		
8	Watch & Ward	24		
9	Irrigation facility	10		
		98	308.00	30184.00
10	Fencing materials etc.			1500.00
Materials				
11	Supply of fertilizer, Vermicompose, Hormone			4816.00
12	Price of seedlings including carriage	160 Nos	15	2400.00
	TOTAL			38900.00

2nd YEAR MAINT WORKS		Wage Rate - 354.00		
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 fencing	6		
8	Watch & Ward	24		
		88	354.00	31152.00
10	Fencing materials etc.			1500.00
Materials				
11	Supply of fertilizer, Vermicompose, Hormone			5148.00
12	Price of seedlings including carriage	80 Nos	15	1200.00
	TOTAL			39000.00

3rd YEAR MAINT WORKS		Wage Rate - 407.00		
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 fencing	6		
7	Watch & Ward	24		
		84	407.00	34188.00
8	Fencing materials etc.			1500.00
Materials				
9	Supply of fertilizer, Vermicompose, Hormone			2772.00
	TOTAL			38460.00

4th YEAR MAINT WORKS		Wage Rate - 468.00		
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 fencing	6		
6	Watch & Ward	24		
		74	468.00	34632.00
7	Fencing materials etc.			1918.00
	TOTAL			36550.00

5th YEAR MAINT WORKS		Wage Rate - 538.00		
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 fencing	6		
6	Watch & Ward	24		
		66	538.00	35508.00
7	Fencing materials etc.			2092.00
	TOTAL			37600.00

6th YEAR MAINT WORKS		Wage Rate - 619.00		
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 fencing	6		
5	Watch & Ward	24		
		60	619.00	37140.00
6	Fencing materials etc.			1800.00
	TOTAL			38940.00

7th YEAR MAINT WORKS		Wage Rate - 712.00		
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 fencing	6		
5	Watch & Ward	24		
		60	712.00	42720.00
6	Fencing materials etc.			2120.00
	TOTAL			44840.00

8th YEAR MAINT WORKS		Wage Rate - 819.00		
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 fencing	6		
5	Watch & Ward	24		
		60	819.00	49140.00
6	Fencing materials etc.			2120.00
	TOTAL			51260.00

9th YEAR MAINT WORKS		Wage Rate - 942.00		
SLNo.	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 fencing	6		
5	Watch & Ward	24		
		60	942.00	56520.00
6	Fencing materials etc.			2140.00
TOTAL				58660.00


10th YEAR MAINT WORKS		Wage Rate - 1083.00		
SLNo.	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 fencing	6		
5	Watch & Ward	24		
		60	1083.00	64980.00
6	Fencing materials etc.			2140.00
TOTAL				67120.00
Grand Total Per Ha				564154.00
Grand Total for 106.67 Ha @ 564154.00				60178307.18
Or Say				60178307.00

(Rupees Six Crore One Lakh Seventy Eight Thousand Three Hundred Seven Only)


Divisional Forest Officer
Birbhum Division

COUNTERSIGNED


Addl. Principal Chief Conservator of Forests

&
Chief Conservator of Forests
South East Circle, West Bengal


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Compensatory Afforestation against proposal for Gourangadihi ABC Coal Mine in
favour of West Benagl Mineral Development and Trading Corporation Ltd.**

Location				
Sl No.	Mouza	Area (in Acre)	Area (in Ha)	
2	Jitpur	33.94	13.74	
	Total	33.94	13.74	

Unit - 1 Ha

Spacing = 2.50 m X 2.50 m

Species:- Akashmoni,Amlaki,Bahera,Haritaki,Piasal,Mahul,Jarul,Jam,Arjun,Red Chandan,Karanj
Piyal,Sidha,Kusum,Haldu,Asan,Champ,Neem,Bhelai,Dha,Gab,Setisal,Ashoke etc.

Akashmoni :- 70% Misc :- 30 %

Advance Work

A. Nursery				
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		22.00	268.00	5896.00
9	Price of nursery materials			
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C. Contingency				
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Materials				
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12	Price of seedlings including carriage	160 Nos	15	2400.00
	TOTAL			38900.00

2nd YEAR MAINT WORKS		Wage Rate - 354.00		
Sl.No.	Particulars	Qty/MD	Rate	Amount
TENDING WORKS				
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10	Fencing materials etc.			1500.00
Materials				
11	Supply of fertilizer,Vermicompose,Hormone			
12	Price of seedlings including carriage	80 Nos	15	1200.00
	TOTAL			39000.00

3rd YEAR MAINT WORKS		Wage Rate - 407.00		
Sl.No.	Particulars	Qty/MD	Rate	Amount
TENDING WORKS				
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4	Fire protection	4		
5	Fire line maintenance	10		
6	Repair of fencing	6		
7	Watch & Ward	24		
		84	407.00	34188.00
8	Fencing materials etc.			1500.00
Materials				
9	Supply of fertilizer,Vermicompose,Hormone			
	TOTAL			2772.00
				38460.00

4th YEAR MAINT WORKS		Wage Rate - 468.00		
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 fencing	6		
6	Watch & Ward	24		
		74	468.00	34632.00
7	Fencing materials etc.			1918.00
	TOTAL			36550.00

5th YEAR MAINT WORKS		Wage Rate - 538.00		
SL.No.	Particulars	Qty/MD	Rate	Amount
TENDING WORKS				
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2	2nd time weeding cleaning & mulching with fertilizer	10		
3	Fire protection	4		
4	Fire line maintenance	10		
5	Repair of fencing	6		
6	Watch & Ward	24		
		66	538.00	35508.00
7	Fencing materials etc.			2092.00
TOTAL				37600.00

6th YEAR MAINT WORKS		Wage Rate - 619.00		
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 fencing	6		
5	Watch & Ward	24		
		60	619.00	37140.00
6	Fencing materials etc.			1800.00
TOTAL				38940.00

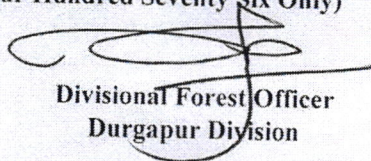
7th YEAR MAINT WORKS		Wage Rate - 712.00		
SL.No.	Particulars	Qty/MD	Rate	Amount
TENDING WORKS				
1	1st time weeding cleaning & mulching with fertilizer	16		
2	Fire protection	4		
3	Fire line maintenance	10		
4	Repair of fencing	6		
5	Watch & Ward	24		
		60	712.00	42720.00
6	Fencing materials etc.			2120.00
TOTAL				44840.00

8th YEAR MAINT WORKS		Wage Rate - 819.00		
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 fencing	6		
5	Watch & Ward	24		
		60	819.00	49140.00
6	Fencing materials etc.			2120.00
TOTAL				51260.00

9th YEAR MAINT WORKS		Wage Rate - 942.00		
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 fencing	6		
5	Watch & Ward	24		
		60	942.00	56520.00
6	Fencing materials etc.			2140.00
	TOTAL			58660.00

10th YEAR MAINT WORKS		Wage Rate - 1083.00		
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 fencing	6		
5	Watch & Ward	24		
		60	1083.00	64980.00
6	Fencing materials etc.			2140.00
	TOTAL			67120.00
	Grand Total Per Ha			564154.00
	Grand Total for 13.74 Ha @ 564154.00			7751475.96
	Or Say			7751476.00

(Rupees Seventy Seven Lakh Fifty One Thousand Four Hundred Seventy Six Only)


Divisional Forest Officer
Durgapur Division

COUNTERSIGNED


Addl. Principal Chief Conservator of Forests

&
Chief Conservator of Forests
South East Circle, West Bengal