

10. iv

**Estimate for raising Compensatory Afforestation over degraded Forest Area over 7.60 ha at Mouzas :
Jara J.L. No. 218 and Mirga J.L. No.217 Vide Proposal NO 26667/2017.**

Sl.No.	Item of Work	Unit	Qty	Rate(Rs.)	Amount
A	Advance Soil Work				
1	Survey and demarcation the area	MD	4	271.95	1087.8
2	Cleaning the area by cutting bushes, jungles and removing the debris mechanically with JCB	Hour	10	900	9000
3	Tractor ploughing over the area	Hour	10	800	8000
4	Alignment and staking the planting pits	MD	4	271.95	1087.8
5	Cutting trench for moisture retention all along planting rows @ 4000mt x 0.30mt x 0.30mt= 360m ³	m ³	360	50	18000
6	Digging planting pits at a spacing of 2.50mt x 2.50mt of size : (0.60 +0.45) mt /2 x 0.45 mt x 0.45 mt over 1600 Nos. per ha =170.08 m ³	MD	25	271.95	6798.75
7	Supplying good earth for filling up the pits over 10% of 170.08 m ³ = 17.00 m ³	m ³	17	150	2550
8	Supplying Cow dung manure for filling up the pits over 5% of 170.08 m ³	m ³	8.5	600	5100
9	Cost of raising seedling in central nurseries for one year including cost of providing Root Trainers and stand	each	1760	20	35200
10	Contingencies				475.65
	Sub-Total of Advance Work				87300
B	Barbed Wire Fencing over 400 Rmt per ha				
1	Digging holes of 300 mm dia upto 400 mm in ground and fixing wooden posts in the same by packing with soil etc.	each	266	30	7980
2	Supplying Sal Posts of 1.80 mt length and 150 mm dia	each	266	110	29260
3	Supplying, fitting, fixing galvanised 3 ply 12 gauge/4 points line of barbed wire in fencing (holes already made in the body of the post) or fixed by staples tightening and fixing the wires in taut condition with straining bolts including the cost of cutting and of lapping joints in the wire as necessary but excluding the cost of galvanised staples, straining bolt and binding wire .	Mt	1200	27.95	33540
4	Contingencies				80
	Sub-Total of Barbed wire Fencing				70860
	Creation Work				
5	Pit filling including mixing properly with cow dung manure	Mandays	20	271.95	5439
6	Planting of seedlings in already dug and prefilled planting pits at a spacing of 2.50mt x 2.50mt , i.e. 1600 plants	Mandays	30	271.95	8158.5
7	Cost of maintaining seedlings in Central Nurseried from April to June, i.e. three months	Mandays	15	271.95	4079.25
8	Carriage of seedlings from nurseries to planting site	L.S.			1000
9	First mulching after three weeks of planting by loosening soil of the root zone of plants to improve root aeration and growth with application of fertilizer @ 50gm per plant	Mandays	16	271.95	4351.2

Sl.No.	Item of Work	Unit	Qty	Rate(Rs.)	Amount
10	Special cleaning after three weeks of first mulching by cutting all weeds to rule out competition and ensure growth	Mandasy	14	271.95	3807.3
11	Second mulching after three weeks of first mulching by loosening soil of the root zone of plants to improve root aeration and growth with application of fertilizer @ 50 gm per plant	Mandasy	14	271.95	3807.3
12	Special cleaning after three weeks of second mulching by cutting all weeds to rule out competition and ensure growth	Mandasy	12	271.95	3263.4
13	Third mulching after three weeks of Second mulching by loosening soil of the root zone of plants to improve root aeration and growth with application of fertilizer @ 50 gm per plant.	Mandasy	12	271.95	3263.4
14	Cost of supplying fertilizer @ 50 gm x 1600 Nos. plants x 3 times = 240 Kg (N:P:K) including carriage upto planting site	Kg	240	30	7200
15	Cost of supplying insecticides	L.S.			500
16	Application of insecticides	Mandays	5	271.95	1359.75
17	Cutting and maintenance of fire line during the period from January to March (three times)	Mandays	24	271.95	6526.8
18	Contingencies	L.S.			244.1
	Sub-Total of Creation Work				53000.00
	Grand Total of Creation and advance work.				
C	First Year Maintenance				
1	Vacancy filling by planting good quality planting material	Mandays	5	271.95	1359.75
2	Special cleaning after three weeks of planting by cutting all weeds to rule out competition and ensure growth	Mandays	16	271.95	4351.2
3	First mulching after three weeks of planting by loosening soil of the root zone of plants to improve root aeration and growth with application of fertilizer @ 50gm per plant	Mandays	16	271.95	4351.2
4	Special cleaning after three weeks of first mulching by cutting all weeds to rule out competition and ensure growth	Mandays	14	271.95	3807.3
5	Second mulching after three weeks of first mulching by loosening soil of the root zone of plants to improve root aeration and growth with application of fertilizer @ 50 gm per plant	Mandasy	14	271.95	3807.3
6	Cost of supplying fertilizer @ 50 gm x 1600 Nos. plants x 3 times = 240 Kg (N:P:K) including carriage upto planting site	Kg	240	30	7200
7	Cutting and maintenance of fire line during the period from January to March (three times)	Mandays	24	271.95	6526.8
8	Repair of fencing	L.S.			1000
9	Contingency				96.45
	Sub-Total of First Year Maintenance				32500.00
D	Second Year Maintenance				
1	Vacancy filling by planting good quality planting material	Mandays	5	271.95	1359.75

Sl.No.	Item of Work	Unit	Qty	Rate(Rs.)	Amount
2	Cleaning after three weeks of planting by cutting all weeds to rule out competition and ensure growth	Mandays	16	271.95	4351.2
3	First mulching after three weeks of planting by loosening soil of the root zone of plants to improve root aeration and growth.	Mandays	16	271.95	4351.2
4	Cutting and maintenance of Fire line during the period from January to March (three times)	Mandays	24	271.95	6526.8
5	Repair of fencing	L.S.			1000
6	Contingency	L.S.			111.05
	Sub-Total of Second Year Maintenance				17700.00
E	Third Year Maintenance				
1	Vacancy filling by planting good quality planting material	Mandays	5	271.95	1359.75
2	Cleaning after three weeks of planting by cutting all weeds to rule out competition and ensure growth	Mandays	16	271.95	4351.2
3	First mulching after three weeks of planting by loosening soil of the root zone of plants to improve root aeration and growth.	Mandays	16	271.95	4351.2
4	Cutting and maintenance of Fire line during the period from January to March (three times)	Mandays	24	271.95	6526.8
5	Repair of Fencing	L.S.			1000
6	Contingency	L.S.			111.05
	Sub-Total of Third Year Maintenance			111.05	17700.00
F	Cost of fourth to tenth year maintenance	year	6	17700	106200
1	Cost of raising CA and maintenance for ten years per ha				385260
2	Cost of raising CA and maintaining for three years over 7.60 ha		7.6	385260	2927976
3	Contingency 2.5%				73199.4
4	Grand Total Total				3001175.4
				Or Say	3000000.00
(Rupees Thirty Lakh) only					


 Divisional Forest Officer,
 Medinipur Division