

**Estimate for raising Compensatory Afforestation at degraded Forest Area over 1.00 Ha.
At Mouzas : Chandmura (J.L. No.-451), for Proposal No. FP/WB/TRANS/34478/2018**

<i>Sl. No</i>	<i>Item of Work</i>	<i>Unit</i>	<i>Qty</i>	<i>Rate(Rs.)</i>	<i>Amount</i>
A	Advance Soil Work				
1	Survey and demarcation the area	MD	4	271.95	1087.80
2	Cleaning the area by cutting bushes, jungles and removing the debris mechanically with JCB	Hour	10	900.00	9000.00
3	Tractor ploughing	Hour	10	800.00	8000.00
4	Alignment and staking the planting pits	MD	4	271.95	1087.80
5	Cutting trench for moisture retention all along planting rows @ 4000mt X 0.30 mt X 0.30mt =360 m3 including proper contour survey and cleaning.	M3	360	50.00	18000.00
6	Digging planting pits at a spacing of 2.50 mt X 2.50 mt of size : (0.60+0.45)mt/2 X 0.45mt X 0.45mt over 1600 Nos per Ha.=170.08 m3	MD	25	271.95	6798.75
7	Supplying good earth for filling up the pits over 10 % of 170.08 m3 =17.00 M3	M3	17	150.00	2550.00
8	Supplying Cow dung manure for filling up the pits over 5% of 170.08 M3	M3	8.5	600.00	5100.00
9	Cost of raising Seedlings in Central Nursery for one year	Each	1760	20.00	35200.00
10	Contingencies				475.65
					87300.00
B	Barbed wire fencing over 400 RMT per Ha.				
1	Digging holes of 300 mm dia up to 400 mm in ground and fixing wooden posts in the same by packing with soil etc.	Each	266	30.00	7980.00
2	Supplying Sal posts of 1.80 mt length and 150 mm dia	Each	266	110.00	29260.00
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	33540.00
4	Contingencies				80.00
					70860
	Creation Work				
5	Pit filling including mixing properly with cow dung manure	Mandays	20	271.95	5439.00
6	Planting of Seedlings in already dug and prefilled planting pits at a spacing of 2.50 mt X 2.50 mt, i.e 1600 plants	Mandays	30	271.95	8158.50
7	Cost of maintaining seedlings in Central	Mandays	15	271.95	4079.25

	Nursery from April to June, i.e. 3 months				
8	Carriage of seedlings from Nursery to planting site	L.S		271.95	1000.00
9	1 st mulching after 3 weeks of planting by loosening soil of the root zone of plants to improve root aeration and growth with application of fertilizer @50 gm per plant	Mandays	16	271.95	4351.20
10	Special cleaning after 3 weeks of 1 st mulching by cutting all weeds to rule out competition and ensure growth	Mandays	14	271.95	3807.30
11	2 nd mulching after 3 weeks of 1 st mulching by loosening soil of the root zone of plants to improve root aeration and growth with application of fertilizer @50gm per plant	Mandays	14	271.95	3807.30
12	Special cleaning after 3 weeks of 2 nd mulching by cutting all weeds to rule out competition and ensure growth	Mandays	12	271.95	3263.40
13	3 rd mulching after 3 weeks of 2 nd mulching by loosening soil of the root zone of plants to improved root aeration and growth with application of fertilizer @50gm per plant	Mandays	12	271.95	3263.40
14	Cost of supplying fertilizer @50gm X 1600 Nos plants X 3 times =240 Kg (N:P:K) including carriage up to planting site	K.G	240	30.00	7200.00
15	Cost supplying insecticide	L.S			500.00
16	Application of insecticide	Mandays	5	271.95	1359.75
17	Cutting and Maintenance of fire line during the period from January to March (3 times)	Mandays	24	271.95	6526.80
18	Contingencies	L.S			244.10
					53000.00
C	First year Maintenance				
1	Vacancy filling by planting good quality planting material	Mandays	5	271.95	1359.75
2	Special after 3 weeks of planting by cutting all weeds to rule out competition and ensure growth	Mandays	16	271.95	4351.20
3	1 st mulching after 3 weeks of planting by loosening soil of the root zone of plants to improved root aeration and growth with application of fertilizer @ 50gm per plants	Mandays	16	271.95	4351.20
4	Special cleaning after 3 weeks of 1 st mulching by cutting all weeds to rule out competition and ensure growth	Mandays	14	271.95	3807.30
5	2 nd mulching after 3 weeks of 1 st mulching by loosening soil of the root zone of plants to improved root aeration and growth with application fertilizer @50 gm per plant	Mandays	14	271.95	3807.30
6	Cost supplying fertilizer @50 gm X 1600 Nos Plants X 3 times =240 Kg (N:P:K) including carriage up to planting site	K.G	240	30.00	7200.00
7	Cutting and maint; of fire line during the period from January to March (3times)	Mandays	24	271.95	6526.80

8	Repair of fencing	L.S			1000.00
9	Contingency				96.45
					32500.00
D	2nd year Maintenance				
1	Vacancy filling by planting good quality planting material	Mandays	5	271.95	1359.75
2	Cleaning after 3 weeks of planting by cutting all weeds to rule out competition and ensure growth	Mandays	16	271.95	4351.20
3	1 st mulching after 3 weeks of planting by loosening soil of the root zone of plant to improved root aeration and growth	Mandays	16	271.95	4351.20
4	Cutting maintenance of fire line during period from January to March (3 times)	Mandays	24	271.95	6526.80
5	Repair of fencing	L.S			1000.00
6	Contingency	L.S			111.05
					17700.00
E	3rd year Maintenance				
1	Vacancy filling by planting good quality planting material	Mandays	5	271.95	1359.75
2	Cleaning after 3 weeks of planting by cutting all weed to rule out competition and ensure growth	Mandays	16	271.95	4351.20
3	1 st mulching after 3 weeks of planting by loosening soil of the root zone of plants to improved root aeration and growth	Mandays	16	271.95	4351.20
4	Cutting and maintenance of fire line during the period from January to March (3 times)	Mandays	24	271.95	6526.80
5	Repair of fencing	L.S			1000.00
6	Contingency	L.S			111.05
Sub Total of 3 rd year Maint;:				111.05	17700.00
F	Cost of 4th to 10th Year Maintenance	Year	7	17700.00	123900.00
1	Cost of raising CA and maintenance for 10 years per Ha.				402960.00
2	Contingency 2.5 %				10074.00
Grand Total				Or Say	413034.00

(Rupees Four Lakh Thirteen Thousand Thirty Three)Only


Divisional Forest Officer
Medinipur Division