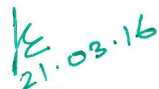


Estimate for raising Compensatory Afforestation over degraded Forest Area over 25.973 ha area at Kalma Mouza

Sl. No.	Item of Work	unit	Qty	Rate	Amount
	Advance Soil Work				
1	Survey and demarcation	man-day	2	250	500
2	Alignment and staking	man-day	2	250	500
3	Cutting trench for moisture retention all along planting rows @ 4000 m X 0.30 m X 0.30 m = 810 cubic metre of earthwork	cum	360	109	39240
4	Pit cutting at a spacing of 2.5 m X 2.5 m of sizes (0.75 m X 0.60m)/2 X 0.60m X 0.60m X 1600 No. = 388.8 cum	man-day	60	250	15000
5	Supplying good earth for filling up the pits over 10 % of (0.75m X 0.6m)/2 X 0.6 X 0.6 m X 1600 No. = 194.4 cum	cum	38.8	150	5820
6	Supplying Cow dung manure for filling up the pits over 5 % of (0.75m X 0.6m)/2 X 0.6 X 0.6 m X 1600 No. = 19.44 cum or 20 cum	cum	20	600	12000
7	Cost of raising seedlings in central nurseries for one year including cost of providing stand and root trainers	Each	1760	20	35200
8	Contingency				240
	Total Advance Work				108500
	Barbed Wire Fencing over 400 rmt per ha				
1	Digging holes of 300 mm dia upto 450 mm in ground and fixing wooden posts in the same by packing with soil etc.	Each	160	25	4000
2	Supplying Sal posts of 1.80 m length and 150 mm dia	Each	160	90	14400
3	Supplying, fitting 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 where	rmt	400	27.95	11180
4	Contingency				420
	Sub-Total Fencing				30000
	Total Advance Work				138500
	Creation work				
1	Pit filling including mixing properly with cow dung manure	man-days	15	275	4125
2	Planting of seedlings in already dug and prefilled planting pits at 2.5m X 2.5 m i.e. 1600 plants	man-days	15	275	4125
3	Cost of maintaining seedlings in central nurseries from April to June i.e. three months	man-days	4	275	1100
4	Carriage of seedlings from nursery sites to plantation sites			LS	1000
5	First cleaning after three weeks of planting by cutting all weeds to rule out competition and ensure growth	man-days	16	275	4400
6	First mulching after three weeks of planting by loosening	man-days	16	275	4400

Sl. No.	Item of Work	unit	Qty	Rate	Amount
	soil of the root zone of plants to improve root airation and growth				
7	Second cleaning after three weeks of planting by cutting all weeds to rule out competition and ensure growth	man-days	14	275	3850
8	Second mulching after three weeks of planting by loosening soil of the root zone of plants to improve root airation and growth	man-days	14	275	3850
9	Third cleaning after three weeks of planting by cutting all weeds to rule out competition and ensure growth	man-days	12	275	3300
10	Third mulching after three weeks of planting by loosening soil of the root zone of plants to improve root airation and growth	man-days	12	275	3300
11	Cost of supplying fertilisers @ 50 gm X 1600 plants X 3 times= 240 kg D.A.P. including carriage upto plantation site	kg	240	30	7200
12	Cost of supplying insecticides			LS	500
13	Application of insecticides	man-days	5	275	1375
14	Cutting and maintenance of fireline during the period from January to March (three times)	man-days	24	275	6600
15	Contingency			LS	375
	Sub-Total Creation work				49500
	First year Maintenance				
1	Vacancy filling by planting good quality planting material	man-days	5	300	1500
2	First cleaning after three weeks of planting by cutting all weeds to rule out competition and ensure growth	man-days	16	300	4800
3	First mulching after three weeks of planting by loosening soil of the root zone of plants to improve root airation and growth	man-days	16	300	4800
4	Second cleaning after three weeks of planting by cutting all weeds to rule out competition and ensure growth	man-days	14	300	4200
5	Second mulching after three weeks of planting by loosening soil of the root zone of plants to improve root airation and growth	man-days	14	300	4200
6	Cost of supplying fertilisers @ 75 gm X 1600 plants X 2 times= 240 kg D.A.P. including carriage upto plantation site	kg	240	30	7200
7	Cutting and maintenance of fireline during the period from January to March (three times)	man-days	24	300	7200
8	Repair of fence			LS	1000
9	Contingency			LS	100
	Total First year maintenance				35000
	Second year Maintenance				
1	Vacancy filling by planting good quality planting material	man-days	5	325	1625
2	First cleaning after three weeks of planting by cutting all weeds to rule out competition and ensure growth	man-days	16	325	5200
3	First mulching after three weeks of planting by loosening soil of the root zone of plants to improve root airation and growth	man-days	16	325	5200
4	Cutting and maintenance of fireline during the period from January to March (three times)	man-days	24	325	7800

Sl. No.	Item of Work	unit	Qty	Rate	Amount
5	Repair of fence			LS	1000
6	Contingency			LS	175
	Total Second year maintenance				21000
	Third year Maintenance				
1	Vacancy filling by planting good quality planting material	man-days	5	350	1750
2	First cleaning after three weeks of planting by cutting all weeds to rule out competition and ensure growth	man-days	16	350	5600
3	First mulching after three weeks of planting by loosening soil of the root zone of plants to improve root aeration and growth	man-days	16	350	5600
4	Cutting and maintenance of fireline during the period from January to March (three times)	man-days	24	350	8400
5	Repair of fence			LS	1000
6	Contingency			LS	150
	Total Third year maintenance				22500
Cost of raising CA and maintaining for three years per ha					266500
Cost of raising CA and maintaining for three years over 25.973 ha			ha	25.973	266500
					69,21,805


 21.03.16
 Divisional Forest Officer
 Purulia Division