Enclosure to Principal Chief Conservator o. orest (HoFF), M. S. Nagpur Letter No. Desk-17/CA dal Cell/CR-40/152/2019-20, Date 06/05/2019

Model Rate Structure for Compensatory Afforestation

Model No. 6. Fencing and Irrigated Plantations

Model rate structure for plantation of tree species in degrated areas having medium quality, medium drained soil.

Spacement - 2m x 2m
Size of Pits - 0.45 x 0.45 x 0.45m
No. of Sedlings - 2500 per ha

Range - Butibori
Round - Butibori (EAST)
Beat - Butibori

Survey . No. 21 Mouza- Sukali Beldar
Total Area 30.92 Plantation Area 25.00 ha.
Wages Rate- 387.23 Rs/MD

Sr.	NAME OF WORKS	For 1.00 Ha				For	25.00	Ha.	
	A. Pre Monsoon Works PPO/PYO	MD	Wages	MS	Total	MD	Wages	MS	Total
1	a) Survey and demarcation	1.00	387.23	91.00	478.23	25.00	9680.75	2275.00	11955.75
	b) Preparation of treatment map (100 m x 50m grid)	1.00	387.23	91.00	478.23	25.00	9680.75	2275.00	11955.75
	c) Digging trial pits of size 0.30x0.30x0.60 in corner of Grid.	0.40	154.89	0.00	154.89	10.00	3872.30	0.00	3872.30
	d) Fixing 60cm x 0.05cm x 12cm cement pillars upto 30cm deep in corner of grid, painting with Grid No. etc complete (3 pillars, Rs. 75/- for each pillrs)	0.00	0.00	225.00	225.00	0.00	0.00	5625.00	5625.00
	e) Clearing of bushes and preparation of site (As per requirement)	10.00	3872.30	91.00	3963.30	250.00	96807.50	2275.00	99082.50
2	Soil and moisture conservation works including collection of rubbles from areas upto 30 cm etc	31.00	12004.13	0.00	12004.13	775.00	300103.25	0.00	300103.25
3	Providing and fixing chain link fencing, 102 Rmt per ha (with one gate + two wickets gates for one site) (Rs. 1494 per Rmt of basic rate + 20% for transporatation of ave. Leadplus 20% for tribal/remote area (by tender process.) (Rs. 1494+149+149=1792/- per Rmt (1.60 Rmt height with G.I. Chain link size 50mmx50m, 8 gauge thick and fixed 75mm above ground level complete as per SSR item no. 1744 for 2017-18)	0.00	0.00	182865.80	182865.80	0.00	0.00	4571645.00	4571645.00
4	Alignment of pits at 2m x 2m spacement. 2500 pits per ha (0.25 per 100 pits and M&S @ Rs. 2.24 per 50 pits.	6.25	2420.19	112.00	2532.19	156.25	60504.69	2800.00	63304.69
5	Digging of pits os size 0.45 x 0.45 x 0.45m (2500 pits per ha) 6.60 M. D per 100 pits. Note :- As per local conditions provision for mechanized digging can be made.	165.00	63892.95	0.00	63892.95	4125.00	1597323.75	0.00	1597323.75
6	Construction of 5.00 Rmt wide Inspection Path 1 M. D per 100 Rmt.	1.00	387.23	0.00	387.23	25.00	9680.75	0.00	9680.75
7	Providing and fixing (4 feet x 3 feet) information board each per site	0.00	0.00	5000.00	5000.00	0.00	0.00	125000.00	125000.00

8	Part Nursery cost of raising 3000 seedlings per ha (including 20% casualty replacement) in polygons of size 12.50 x 25.00 cm (Wages Rs. 11.90 and M&S Rs. 3.62 per plant)	105.00	40659.15	10860.00	51519.15	2625.00	1016478.75	271500.00	1287978.75
	Total	**320.65**	**124165.30**	**199335.80**	**323501.10**	**8016.25**	**3104132.49**	**4983395.00**	**8087527.49**
	Contingency 3%				9705.03				242625.82
	Labour Welfare 4%				12940.04				323501.10
	Grand Total	**320.65**	**124165.30**	**199335.80**	**346146.18**	**8016.25**	**3104132.49**	**4983395.00**	**8653654.41**
B. First Year Operations		**MD**	**Wages**	**MS**	**Total**	**MD**	**Wages**	**MS**	**Total**
1	Part Nursery cost for maintenance of 3000 seedling per ha Rs. 3.77 per seedling (wages Rs. 2.69, M & S Rs. 0.81)	33.30	12894.76	2430.00	15324.76	832.50	322368.98	60750.00	383118.98
2	Refilling of pits by good quality soil including application of single super phosphate (1.66 MD per 100 pits) @1.75	41.50	16070.05	4375.00	20445.05	1037.50	401751.13	109375.00	511126.13
3	Transportation of 3000 seedlings from Nursery to plantation site including loading & unloading (0.14 MD per 100 seedlings & M.S. Rs. 1.82 Per seedlings)	4.20	1626.37	5460.00	7086.37	105.00	40659.15	136500.00	177159.15
4	Planting of 25001 seedlings (1.0 MD per 100 seedlings)	25.00	9680.75	0.00	9680.75	625.00	242018.75	0.00	242018.75
5	3 weedings (1 Rmt circular) and 2 soil workings (4.0 MD per 100 seedlings) fertilizer application Rs. 0.82 per seedling	100.00	38723.00	2050.00	40773.00	2500.00	968075.00	51250.00	1019325.00
6	Watering 2500 seedlings November and December 1 time each, January to March 2 times each per seedlings 5 liter water, purchase of 2500 plastic can of 5 litre/ matka @ Rs. 25/- each and 100 litre capacity 11 drums @ Rs. 400/- each for supplying water and water supply at. @ Rs. 0.05 per litre and wages for watering 1 MD for 150 seedlings.	133.33	51629.38	122500.00	174129.38	3333.25	1290734.40	3062500.00	4353234.40
7	Casualty replacement (20% 500 Seedlings per ha.) (2 MD per 100 seedlings)	10.00	3872.30	0.00	3872.30	250.00	96807.50	0.00	96807.50
8	Part Nursery cost for causality replacment in SYO (500 Seedlings per ha.) (wages Rs. 11.90 and material supply Rs. 3.62 total Rs. 12.55 per seedling)	17.50	6776.53	1810.00	8586.53	437.50	169413.13	45250.00	214663.13
9	Watch and ward (10 month - 1 watcher per 10 ha)	27.38	10602.36	0.00	10602.36	684.50	265058.94	0.00	265058.94
10	Fire tracing	2.00	774.46	0.00	774.46	50.00	19361.50	0.00	19361.50
	Total	**394.21**	**152649.94**	**138625.00**	**291274.94**	**9855.25**	**3816248.46**	**3465625.00**	**7281873.46**
	Contingency 3%				8738.25				218456.20
	Labour Welfare 4%				11651.00				291274.94
	Grand Total	**394.21**	**152649.94**	**138625.00**	**311664.18**	**9855.25**	**3816248.46**	**3465625.00**	**7791604.60**

	C. Second Year Operations	MD	Wages	MS	Total	MD	Wages	MS	Total
1	Part Nursery cost for seedlings causality replacment (500 Seedlings per ha.) labour rate @ Rs. 3.77 and M.S Rs. 1.82 per seedlings.	5.55	2149.13	910.00	3059.13	138.75	53728.16	22750.00	76478.16
2	Transportation of 500 seedlings for causality replacment from Nursery to plantation site (including loading & unloading) wages 0.14 MD per 100 seedlings & M.S. Rs. 1.82 Per seedlings	0.70	271.06	910.00	1181.06	17.50	6776.53	22750.00	29526.53
3	Planting for causality replacment 500 seedlings (2.0 MD per 100 seedlings)	10.00	3872.30	0.00	3872.30	250.00	96807.50	0.00	96807.50
4	2 weedings and 1 soil workings with fertilizer application2.5 M.D per 100 seedlings at M.S. Rs. 0.82 per seedling	62.50	24201.88	2050.00	26251.88	1562.50	605046.88	51250.00	656296.88
5	Watering 2500 seedlings November, December, January and june 1 time each and in February to may 2 times each total 12 times 5 liter per seedlings, replacing 10% plastic can/ matka @ Rs. 25/- each replacing 111 cans / matka, supplying water @ Rs. 0.50/- per liter and watering 150 seedlings per M.D.	200.00	77446.00	81250.00	158696.00	5000.00	1936150.00	2031250.00	3967400.00
6	Watch and ward (12 month - 1 watcher per 10 ha)	36.50	14133.90	0.00	14133.90	912.50	353347.38	0.00	353347.38
7	Fire tracing	2.00	774.46	0.00	774.46	50.00	19361.50	0.00	19361.50
	Total	**317.25**	**122848.72**	**85120.00**	**207968.72**	**7931.25**	**3071217.94**	**2128000.00**	**5199217.94**
	Contingency 3%				6239.06				155976.54
	Labour Welfare 4%				8318.75				207968.72
	Grand Total	**317.25**	**122848.72**	**85120.00**	**222526.53**	**7931.25**	**3071217.94**	**2128000.00**	**5563163.19**
	D. Third Year Operations	**MD**	**Wages**	**MS**	**Total**	**MD**	**Wages**	**MS**	**Total**
1	1 weedings and 1 soil workings (1.50 M.D per 100 seedlings) applying fertilizer @ Rs. 0.82 per plant.	37.50	14521.13	2050.00	16571.13	937.50	363028.13	51250.00	414278.13
2	Watering 556 seedlings November, December, January and june 1 time each and in February to may 2 times each total 12 times 5 liter, water supply @ Rs. 0.50/- per liter and watering 150 seedlings per M.D.	100.00	38723.00	37500.00	76223.00	2500.00	968075.00	937500.00	1905575.00
3	Watch and ward (12 month - 1 watcher per 10 ha)	36.50	14133.90	0.00	14133.90	912.50	353347.38	0.00	353347.38
4	Counting of Survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	50.00	19361.50	625.00	19986.50
5	Fire tracing	2.00	774.46	0.00	774.46	50.00	19361.50	0.00	19361.50
	Total	**178.00**	**68926.94**	**39575.00**	**108501.94**	**4450.00**	**1723173.50**	**989375.00**	**2712548.50**
	Contingency 3%				3255.06				81376.46
	Labour Welfare 4%				4340.08				108501.94
	Grand Total	**178.00**	**68926.94**	**39575.00**	**116097.08**	**4450.00**	**1723173.50**	**989375.00**	**2902426.90**

	E. Fourth Year Operations	**MD**	**Wages**	**MS**	**Total**	**MD**	**Wages**	**MS**	**Total**
1	Watch and ward (12 month - 1 watcher per 10 ha)	36.50	14133.90	0.00	14133.90	912.50	353347.38	0.00	353347.38
2	Counting of Survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	50.00	19361.50	625.00	19986.50
3	Fire tracing	2.00	774.46	0.00	774.46	50.00	19361.50	0.00	19361.50
	Total	**40.50**	**15682.82**	**25.00**	**15707.82**	**1012.50**	**392070.38**	**625.00**	**392695.38**
	Contingency 3%				471.23				11780.86
	Labour Welfare 4%				628.31				15707.82
	Grand Total	**40.50**	**15682.82**	**25.00**	**16807.36**	**1012.50**	**392070.38**	**625.00**	**420184.05**
	F. Fifth Year Operations	**MD**	**Wages**	**MS**	**Total**	**MD**	**Wages**	**MS**	**Total**
1	Watch and ward (12 month - 1 watcher per 10 ha)	36.50	14133.90	0.00	14133.90	912.50	353347.38	0.00	353347.38
2	Counting of Survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	50.00	19361.50	625.00	19986.50
3	Fire tracing	2.00	774.46	0.00	774.46	50.00	19361.50	0.00	19361.50
	Total	**40.50**	**15682.82**	**25.00**	**15707.82**	**1012.50**	**392070.38**	**625.00**	**392695.38**
	Contingency 3%				471.23				11780.86
	Labour Welfare 4%				628.31				15707.82
	Grand Total	**40.50**	**15682.82**	**25.00**	**16807.36**	**1012.50**	**392070.38**	**625.00**	**420184.05**
	G. Sixth Year Operations	**MD**	**Wages**	**MS**	**Total**	**MD**	**Wages**	**MS**	**Total**
1	Watch and ward (12 month - 1 watcher per 10 ha)	36.50	14133.90	0.00	14133.90	912.50	353347.38	0.00	353347.38
2	Counting of Survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	50.00	19361.50	625.00	19986.50
3	Fire tracing	2.00	774.46	0.00	774.46	50.00	19361.50	0.00	19361.50
	Total	**40.50**	**15682.82**	**25.00**	**15707.82**	**1012.50**	**392070.38**	**625.00**	**392695.38**
	Contingency 3%				471.23				11780.86
	Labour Welfare 4%				628.31				15707.82
	Grand Total	**40.50**	**15682.82**	**25.00**	**16807.36**	**1012.50**	**392070.38**	**625.00**	**420184.05**
	H. Seventh Year Operations	**MD**	**Wages**	**MS**	**Total**	**MD**	**Wages**	**MS**	**Total**
1	Watch and ward (12 month - 1 watcher per 10 ha)	36.50	14133.90	0.00	14133.90	912.50	353347.38	0.00	353347.38
2	Counting of Survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	50.00	19361.50	625.00	19986.50
3	Fire tracing	2.00	774.46	0.00	774.46	50.00	19361.50	0.00	19361.50
	Total	**40.50**	**15682.82**	**25.00**	**15707.82**	**1012.50**	**392070.38**	**625.00**	**392695.38**
	Contingency 3%				471.23				11780.86
	Labour Welfare 4%				628.31				15707.82
	Grand Total	**40.50**	**15682.82**	**25.00**	**16807.36**	**1012.50**	**392070.38**	**625.00**	**420184.05**

		MD	Wages	MS	Total	MD	Wages	MS	Total
I. Eighth Year Operations									
1	Watch and ward (12 month - 1 watcher per 10 ha)	36.50	14133.90	0.00	14133.90	912.50	353347.38	0.00	353347.38
2	Counting of Survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	50.00	19361.50	625.00	19986.50
3	Fire tracing	2.00	774.46	0.00	774.46	50.00	19361.50	0.00	19361.50
	Total	**40.50**	**15682.82**	**25.00**	**15707.82**	**1012.50**	**392070.38**	**625.00**	**392695.38**
	Contingency 3%				471.23				11780.86
	Labour Welfare 4%				628.31				15707.82
	Grand Total	**40.50**	**15682.82**	**25.00**	**16807.36**	**1012.50**	**392070.38**	**625.00**	**420184.05**
J. Nineth Year Operations		**MD**	**Wages**	**MS**	**Total**	**MD**	**Wages**	**MS**	**Total**
1	Watch and ward (12 month - 1 watcher per 10 ha)	36.50	14133.90	0.00	14133.90	912.50	353347.38	0.00	353347.38
2	Counting of Survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	50.00	19361.50	625.00	19986.50
3	Fire tracing	2.00	774.46	0.00	774.46	50.00	19361.50	0.00	19361.50
	Total	**40.50**	**15682.82**	**25.00**	**15707.82**	**1012.50**	**392070.38**	**625.00**	**392695.38**
	Contingency 3%				471.23				11780.86
	Labour Welfare 4%				628.31				15707.82
	Grand Total	**40.50**	**15682.82**	**25.00**	**16807.36**	**1012.50**	**392070.38**	**625.00**	**420184.05**
K. Tenth Year Operations		**MD**	**Wages**	**MS**	**Total**	**MD**	**Wages**	**MS**	**Total**
1	Watch and ward (12 month - 1 watcher per 10 ha)	36.50	14133.90	0.00	14133.90	912.50	353347.38	0.00	353347.38
2	Counting of Survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	50.00	19361.50	625.00	19986.50
3	Fire tracing	2.00	774.46	0.00	774.46	50.00	19361.50	0.00	19361.50
	Total	**40.50**	**15682.82**	**25.00**	**15707.82**	**1012.50**	**392070.38**	**625.00**	**392695.38**
	Contingency 3%				471.23				11780.86
	Labour Welfare 4%				628.31				15707.82
	Grand Total	**40.50**	**15682.82**	**25.00**	**16807.36**	**1012.50**	**392070.38**	**625.00**	**420184.05**

Range Forest Officer
Butibori Range Butibori

Abstract for Model No.6

Sr. No.	Year Of Operation	Man Days	Wages	Material Supply	Total	Other expenses	Total amount
1	Pre Monsoon Works	8016.25	3104132.49	4983395.00	8087527.49	566126.92	8653654.41
2	First Year Operations	9855.25	3816248.46	3465625.00	7281873.46	509731.14	7791604.60
3	Second Year Operations	7931.25	3071217.94	2128000.00	5199217.94	363945.26	5563163.19
4	Third Year Operations	4450.00	1723173.50	989375.00	2712548.50	189878.40	2902426.90
5	Fourth Year Operations	1012.50	392070.38	625.00	392695.38	27488.68	420184.05
6	Fifth Year Operations	1012.50	392070.38	625.00	392695.38	27488.68	420184.05
7	Sixth Year Operations	1012.50	392070.38	625.00	392695.38	27488.68	420184.05
8	Seventh Year Operations	1012.50	392070.38	625.00	392695.38	27488.68	420184.05
9	Eighth Year Operations	1012.50	392070.38	625.00	420184.05	27488.68	447672.73
10	Nineth Year Operations	1012.50	392070.38	625.00	420184.05	27488.68	447672.73
11	Tenth Year Operataions	1012.50	392070.38	625.00	420184.05	27488.68	447672.73
	Total	**37340.25**	**14459265.01**	**11570770.00**	**26112501.04**	**1822102.45**	**27934603.49**

OR **27934603**

Range Forest Officer
Butibori Range Butibori

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Enclosure to Principal Chief Conservator of Fores[illegible]oFF), M. S. Nagpur Letter No. Desk-17/CA/Noda[illegible]/CR-40/152/2019-20, Date 06/05/2019

Model Rate Structure for Compensatory Afforestation

Model No. 6. Fencing and Irrigated Plantations

Estimates of Proposal for diversion of 15.811 ha. Forest land for "Transportation Network for Dinesh (Makardhokda-III) Expansion Opencast Project"

Model rate structure for plantation of tree species in degrated areas having medium quality, medium drained soil.

Spacement	- 2m x 2m	Range -	North Umred	Survey No.	528	Mouza- Bhojapur Comptt No. - 394 PF	
Size of Pits	- 0.45 x 0.45 x 0.45m	Round	Kuhi	Total Area	3.27	Plantation Area	3.27 ha.
No. of Seedlings	- 2500 per ha	Beat -	Kuhi		Wages Rate-	387.23	Rs/MD

Sr.	NAME OF WORKS	For 1.00 Ha				For	3.27	Ha.	
A. Pre Monsoon Works PPO/PYO		**MD**	**Wages**	**MS**	**Total**	**MD**	**Wages**	**MS**	**Total**
1	a) Survey and demarcation	1.00	387.23	91.00	478.23	3.27	1266.24	297.57	1563.81
	b) Preparation of treatment map (100 m x 50m grid)	1.00	387.23	91.00	478.23	3.27	1266.24	297.57	1563.81
	c) Digging trial pits of size 0.30x0.30x0.60 in corner of Grid.	0.40	154.89	0.00	154.89	1.31	506.50	0.00	506.50
	d) Fixing 60cm x 0.05cm x 12cm cement pillars upto 30cm deep in corner of grid, painting with Grid No. etc complete (3 pillars, Rs. 75/- for each pillrs)	0.00	0.00	225.00	225.00	0.00	0.00	735.75	735.75
	e) Clearing of bushes and preparation of site (As per requirement)	10.00	3872.30	91.00	3963.30	32.70	12662.42	297.57	12959.99
2	Soil and moisture conservation works including collection of rubbles from areas upto 30 cm etc	31.00	12004.13	0.00	12004.13	101.37	39253.51	0.00	39253.51
3	Providing and fixing chain link fencing, 102 Rmt per ha (with one gate + two wickets gates for one site) (Rs. 1494 per Rmt of basic rate + 20% for transporatation of ave. Leadplus 20% for tribal/remote area (by tender process.) (Rs. 1494+149+149=1792/- per Rmt (1.60 Rmt height with G.I. Chain link size 50mmx50m, 8 gauge thick and fixed 75mm above ground level complete as per SSR item no. 1744 for 2017-18)	0.00	0.00	182865.80	182865.80	0.00	0.00	597971.17	597971.17
4	Alignment of pits at 2m x 2m spacement. 2500 pits per ha (0.25 per 100 pits and M&S @ Rs. 2.24 per 50 pits.	6.25	2420.19	112.00	2532.19	20.44	7914.01	366.24	8280.25
5	Digging of pits os size 0.45 x 0.45 x 0.45m (2500 pits per ha) 6.60 M. D per 100 pits. Note :- As per local conditions provision for mechanized digging can be made.	165.00	63892.95	0.00	63892.95	539.55	208929.95	0.00	208929.95
6	Construction of 5.00 Rmt wide Inspection Path 1 M. D per 100 Rmt.	1.00	387.23	0.00	387.23	3.27	1266.24	0.00	1266.24
7	Providing and fixing (4 feet x 3 feet) information board each per site	0.00	0.00	5000.00	5000.00	0.00	0.00	16350.00	16350.00

8	Part Nursery cost of raising 3000 seedlings per ha (including 20% casualty replacement) in polygons of size 12.50 x 25.00 cm (Wages Rs. 11.90 and M&S Rs. 3.62 per plant)	105.00	40659.15	10860.00	51519.15	343.35	132955.42	35512.20	168467.62
	Total	**320.65**	**124165.30**	**199335.80**	**323501.10**	**1048.53**	**406020.53**	**651828.07**	**1057848.60**
	Contingency 3%				9705.03				31735.46
	Labour Welfare 4%				12940.04				42313.94
	Grand Total	**320.65**	**124165.30**	**199335.80**	**346146.18**	**1048.53**	**406020.53**	**651828.07**	**1131898.00**
B. First Year Operations		**MD**	**Wages**	**MS**	**Total**	**MD**	**Wages**	**MS**	**Total**
1	Part Nursery cost for maintenance of 3000 seedling per ha Rs. 3.77 per seedling (wages Rs. 2.69, M & S Rs. 0.81)	33.30	12894.76	2430.00	15324.76	108.89	42165.86	7946.10	50111.96
2	Refilling of pits by good quality soil including application of single super phosphate (1.66 MD per 100 pits) @1.75	41.50	16070.05	4375.00	20445.05	135.71	52549.05	14306.25	66855.30
3	Transportation of 3000 seedlings from Nursery to plantation site including loading & unloading (0.14 MD per 100 seedlings & M.S. Rs. 1.82 Per seedlings)	4.20	1626.37	5460.00	7086.37	13.73	5318.22	17854.20	23172.42
4	Planting of 25001 seedlings (1.0 MD per 100 seedlings)	25.00	9680.75	0.00	9680.75	81.75	31656.05	0.00	31656.05
5	3 weedings (1 Rmt circular) and 2 soil workings (4.0 MD per 100 seedlings) fertilizer application Rs. 0.82 per seedling	100.00	38723.00	2050.00	40773.00	327.00	126624.21	6703.50	133327.71
6	Watering 2500 seedlings November and December 1 time each, January to March 2 times each per seedlings 5 liter water, purchase of 2500 plastic can of 5 litre/ matka @ Rs. 25/- each and 100 litre capacity 11 drums @ Rs. 400/- each for supplying water and water supply at. @ Rs. 0.05 per litre and wages for watering 1 MD for 150 seedlings.	133.33	51629.38	122500.00	174129.38	435.99	168828.06	400575.00	569403.06
7	Casualty replacement (20% 500 Seedlings per ha.) (2 MD per 100 seedlings)	10.00	3872.30	0.00	3872.30	32.70	12662.42	0.00	12662.42
8	Part Nursery cost for causality replacment in SYO (500 Seedlings per ha.) (wages Rs. 11.90 and material supply Rs. 3.62 total Rs. 12.55 per seedling)	17.50	6776.53	1810.00	8586.53	57.23	22159.24	5918.70	28077.94
9	Watch and ward (10 month - 1 watcher per 10 ha)	27.38	10602.36	0.00	10602.36	89.53	34669.71	0.00	34669.71
10	Fire tracing	2.00	774.46	0.00	774.46	6.54	2532.48	0.00	2532.48
	Total	**394.21**	**152649.94**	**138625.00**	**291274.94**	**1289.07**	**499165.30**	**453303.75**	**952469.05**
	Contingency 3%				8738.25				28574.07
	Labour Welfare 4%				11651.00				38098.76
	Grand Total	**394.21**	**152649.94**	**138625.00**	**311664.18**	**1289.07**	**499165.30**	**453303.75**	**1019141.88**

	C. Second Year Operations	MD	Wages	MS	Total	MD	Wages	MS	Total
1	Part Nursery cost for seedlings causality replacment (500 Seedlings per ha.) labour rate @ Rs. 3.77 and M.S Rs. 1.82 per seedlings.	5.55	2149.13	910.00	3059.13	18.15	7027.64	2975.70	10003.34
2	Transportation of 500 seedlings for causality replacment from Nursery to plantation site (including loading & unloading) wages 0.14 MD per 100 seedlings & M.S. Rs. 1.82 Per seedlings	0.70	271.06	910.00	1181.06	2.29	886.37	2975.70	3862.07
3	Planting for causality replacment 500 seedlings (2.0 MD per 100 seedlings)	10.00	3872.30	0.00	3872.30	32.70	12662.42	0.00	12662.42
4	2 weedings and 1 soil workings with fertilizer application2.5 M.D per 100 seedlings at M.S. Rs. 0.82 per seedling	62.50	24201.88	2050.00	26251.88	204.38	79140.13	6703.50	85843.63
5	Watering 2500 seedlings November, December, January and june 1 time each and in February to may 2 times each total 12 times 5 liter per seedlings, replacing 10% plastic can/ matka @ Rs. 25/- each replacing 111 cans / matka, supplying water @ Rs. 0.50/- per liter and watering 150 seedlings per M.D.	200.00	77446.00	81250.00	158696.00	654.00	253248.42	265687.50	518935.92
6	Watch and ward (12 month - 1 watcher per 10 ha)	36.50	14133.90	0.00	14133.90	119.36	46217.84	0.00	46217.84
7	Fire tracing	2.00	774.46	0.00	774.46	6.54	2532.48	0.00	2532.48
	Total	**317.25**	**122848.72**	**85120.00**	**207968.72**	**1037.41**	**401715.31**	**278342.40**	**680057.71**
	Contingency 3%				6239.06				20401.73
	Labour Welfare 4%				8318.75				27202.31
	Grand Total	**317.25**	**122848.72**	**85120.00**	**222526.53**	**1037.41**	**401715.31**	**278342.40**	**727661.75**
	D. Third Year Operations	**MD**	**Wages**	**MS**	**Total**	**MD**	**Wages**	**MS**	**Total**
1	1 weedings and 1 soil workings (1.50 M.D per 100 seedlings) applying fertilizer @ Rs. 0.82 per plant.	37.50	14521.13	2050.00	16571.13	122.63	47484.08	6703.50	54187.58
2	Watering 556 seedlings November, December, January and june 1 time each and in February to may 2 times each total 12 times 5 liter, water supply @ Rs. 0.50/- per liter and watering 150 seedlings per M.D.	100.00	38723.00	37500.00	76223.00	327.00	126624.21	122625.00	249249.21
3	Watch and ward (12 month - 1 watcher per 10 ha)	36.50	14133.90	0.00	14133.90	119.36	46217.84	0.00	46217.84
4	Counting of Survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	6.54	2532.48	81.75	2614.23
5	Fire tracing	2.00	774.46	0.00	774.46	6.54	2532.48	0.00	2532.48
	Total	**178.00**	**68926.94**	**39575.00**	**108501.94**	**582.06**	**225391.09**	**129410.25**	**354801.34**
	Contingency 3%				3255.06				10644.04
	Labour Welfare 4%				4340.08				14192.05
	Grand Total	**178.00**	**68926.94**	**39575.00**	**116097.08**	**582.06**	**225391.09**	**129410.25**	**379637.44**

E. Fourth Year Operations		MD	Wages	MS	Total	MD	Wages	MS	Total
1	Watch and ward (12 month - 1 watcher per 10 ha)	36.50	14133.90	0.00	14133.90	119.36	46217.84	0.00	46217.84
2	Counting of Survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	6.54	2532.48	81.75	2614.23
3	Fire tracing	2.00	774.46	0.00	774.46	6.54	2532.48	0.00	2532.48
	Total	**40.50**	**15682.82**	**25.00**	**15707.82**	**132.44**	**51282.81**	**81.75**	**51364.56**
	Contingency 3%				471.23				1540.94
	Labour Welfare 4%				628.31				2054.58
	Grand Total	**40.50**	**15682.82**	**25.00**	**16807.36**	**132.44**	**51282.81**	**81.75**	**54960.07**
F. Fifth Year Operations		**MD**	**Wages**	**MS**	**Total**	**MD**	**Wages**	**MS**	**Total**
1	Watch and ward (12 month - 1 watcher per 10 ha)	36.50	14133.90	0.00	14133.90	119.36	46217.84	0.00	46217.84
2	Counting of Survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	6.54	2532.48	81.75	2614.23
3	Fire tracing	2.00	774.46	0.00	774.46	6.54	2532.48	0.00	2532.48
	Total	**40.50**	**15682.82**	**25.00**	**15707.82**	**132.44**	**51282.81**	**81.75**	**51364.56**
	Contingency 3%				471.23				1540.94
	Labour Welfare 4%				628.31				2054.58
	Grand Total	**40.50**	**15682.82**	**25.00**	**16807.36**	**132.44**	**51282.81**	**81.75**	**54960.07**
G. Sixth Year Operations		**MD**	**Wages**	**MS**	**Total**	**MD**	**Wages**	**MS**	**Total**
1	Watch and ward (12 month - 1 watcher per 10 ha)	36.50	14133.90	0.00	14133.90	119.36	46217.84	0.00	46217.84
2	Counting of Survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	6.54	2532.48	81.75	2614.23
3	Fire tracing	2.00	774.46	0.00	774.46	6.54	2532.48	0.00	2532.48
	Total	**40.50**	**15682.82**	**25.00**	**15707.82**	**132.44**	**51282.81**	**81.75**	**51364.56**
	Contingency 3%				471.23				1540.94
	Labour Welfare 4%				628.31				2054.58
	Grand Total	**40.50**	**15682.82**	**25.00**	**16807.36**	**132.44**	**51282.81**	**81.75**	**54960.07**
H. Seventh Year Operations		**MD**	**Wages**	**MS**	**Total**	**MD**	**Wages**	**MS**	**Total**
1	Watch and ward (12 month - 1 watcher per 10 ha)	36.50	14133.90	0.00	14133.90	119.36	46217.84	0.00	46217.84
2	Counting of Survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	6.54	2532.48	81.75	2614.23
3	Fire tracing	2.00	774.46	0.00	774.46	6.54	2532.48	0.00	2532.48
	Total	**40.50**	**15682.82**	**25.00**	**15707.82**	**132.44**	**51282.81**	**81.75**	**51364.56**
	Contingency 3%				471.23				1540.94

		MD	Wages	MS	Total	MD	Wages	MS	Total
	Labour Welfare 4%				628.31				2054.58
	Grand Total	40.50	15682.82	25.00	16807.36	132.44	51282.81	81.75	54960.07
I. Eighth Year Operations		MD	Wages	MS	Total	MD	Wages	MS	Total
1	Watch and ward (12 month - 1 watcher per 10 ha)	36.50	14133.90	0.00	14133.90	119.36	46217.84	0.00	46217.84
2	Counting of Survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	6.54	2532.48	81.75	2614.23
3	Fire tracing	2.00	774.46	0.00	774.46	6.54	2532.48	0.00	2532.48
	Total	40.50	15682.82	25.00	15707.82	132.44	51282.81	81.75	51364.56
	Contingency 3%				471.23				1540.94
	Labour Welfare 4%				628.31				2054.58
	Grand Total	40.50	15682.82	25.00	16807.36	132.44	51282.81	81.75	54960.07
J. Nineth Year Operations		MD	Wages	MS	Total	MD	Wages	MS	Total
1	Watch and ward (12 month - 1 watcher per 10 ha)	36.50	14133.90	0.00	14133.90	119.36	46217.84	0.00	46217.84
2	Counting of Survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	6.54	2532.48	81.75	2614.23
3	Fire tracing	2.00	774.46	0.00	774.46	6.54	2532.48	0.00	2532.48
	Total	40.50	15682.82	25.00	15707.82	132.44	51282.81	81.75	51364.56
	Contingency 3%				471.23				1540.94
	Labour Welfare 4%				628.31				2054.58
	Grand Total	40.50	15682.82	25.00	16807.36	132.44	51282.81	81.75	54960.07
K. Tenth Year Operations		MD	Wages	MS	Total	MD	Wages	MS	Total
1	Watch and ward (12 month - 1 watcher per 10 ha)	36.50	14133.90	0.00	14133.90	119.36	46217.84	0.00	46217.84
2	Counting of Survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	6.54	2532.48	81.75	2614.23
3	Fire tracing	2.00	774.46	0.00	774.46	6.54	2532.48	0.00	2532.48
	Total	40.50	15682.82	25.00	15707.82	132.44	51282.81	81.75	51364.56
	Contingency 3%				471.23				1540.94
	Labour Welfare 4%				628.31				2054.58
	Grand Total	40.50	15682.82	25.00	16807.36	132.44	51282.81	81.75	54960.07

Abstract for Model No. 5

Sr. No.	Year Of Operation	Man Days	Wages	Material Supply	Total	Other expenses	Total amount
1	Pre Monsoon Works	1048.53	406020.53	651828.07	1057848.60	74049.40	1131898.00
2	First Year Operations	1289.07	499165.30	453303.75	952469.05	66672.83	1019141.88
3	Second Year Operations	1037.41	401715.31	278342.40	680057.71	47604.04	727661.75
4	Third Year Operations	582.06	225391.09	129410.25	354801.34	24836.09	379637.44
5	Fourth Year Operations	132.44	51282.81	81.75	51364.56	3595.52	54960.07
6	Fifth Year Operations	132.44	51282.81	81.75	51364.56	3595.52	54960.07
7	Sixth Year Operations	132.44	51282.81	81.75	51364.56	3595.52	54960.07
8	Seventh Year Operations	132.44	51282.81	81.75	51364.56	3595.52	54960.07
9	Eighth Year Operations	132.44	51282.81	81.75	54960.07	3595.52	58555.59
10	Nineth Year Operations	132.44	51282.81	81.75	54960.07	3595.52	58555.59
11	Tenth Year Operataions	132.44	51282.81	81.75	54960.07	3595.52	58555.59
	Total	**4884.10**	**1891271.86**	**1513456.72**	**3415515.14**	**238331.00**	**3653846.14**

OR 3653846

Range Forest Officer

North Umred