

Abstract of Compensatory Afoorestation Land of 1128 ha. Zudpi Jungle land poroposed in Nagpur, Wardha and Bhandara district of Maharashtra state.

Details of 1128 ha. Zudpi Jungle land poroposed for Compensatory Afforestation against the proposal of diversion of 564.00 ha. Forest land for the purpose of Development of proposed international Standard Zoo on Forest land under possession of FDCM at Gorewada Project, Tal. Nagpur Dist Nagpur.

Ser. No.	Division	Range	Total area (In ha.)	Area suitable for CA (In ha.)	Total Financial Outlay for CA Scheme	Remarks
1	Nagpur	Butibori	191.85	191.85	408240274.00	
2		Khapa	136.60	103.83		
3		Kalmeshwar	149.98	119.52		
4		North Umred	56.03	43.80		
Total (A)			534.46	459.00	408240274.00	
1	Wardha	Wardha	30.09	27.00	24761580.00	
2		Arvi	39.69	35.00		
3		Ashti	53.24	20.00		
4		Ashti	43.38	40.00		
Total (B)			166.40	122.00	53932668.00	
1	Bhandara	Bhandara	113.51	40.00	222206043.00	
2		Adyal	517.49	328.00		
3		Tumsar	242.47	179.00		
Total (C)			873.47	547.00	222206043.00	
Grand Total (A+B+C)				1128.00	684378985.00	


Dy. Conservator of Forests,
Nagpur Division Nagpur

Model No. 3

Model rate structure for plantation of Mixed tree species with rainfall upto 800 mm and medium quality, medium drained soil depth upto 30 cm.

(Aided Natural Regeneration)

Detailed scheme for creation and maintenance of plantation against the proposal of diversion of 564.00 ha. Forest land for the purpose of Development of proposed international Standard Zoo on Forest land under possession of FDCM at Gorewada Project, Tal. Nagpur Dist Nagpur.

Compensatory Afforestation Site : 459.00 ha. Zudpi Jungle land in Nagpur District/Nagpur Division :-

Ser. No.	Taluka	Range	Round	Beat	Name of Village	Survey No.	Total area (In ha.)	Area suitable for CA (In ha.)	Remarks
1	Nagpur (Rural)	Butibori	Butibori (East)	Sonegaon	Sonegaon	11	6.91	6.91	
2						12	5.75	5.75	
3						145	5.56	5.56	
4						154	6.05	6.05	
5						117	6.00	6.00	
6	Nagpur (Rural)		Butibori (East)	Sonegaon	Tembhri	77	6.36	6.36	
7						78	23.78	23.78	
8	Nagpur (Rural)		Butibori (East)	Wadgaon	Pohi	5	12.93	12.93	
9						47	6.88	6.88	
10	Nagpur (Rural)		Butibori (East)	Dongargaon	Khatmari	18	13.59	13.59	
11						31	14.60	14.60	
12	Nagpur (Rural)		Butibori (West)	Ajangaon	Dhawalpeth	108	35.60	35.60	
13						3	13.72	13.72	
14						18	5.14	5.14	
15	Nagpur (Rural)		Butibori (West)	Sakali	Jantha	123	16.17	16.17	
16	Nagpur (Rural)		Butibori (East)	Butibori	Kanhalgaon	21	12.81	12.81	
	Total (A)						191.85	191.85	

1	Saoner	Khapa	Kelwad	Jatankhora	Kaottha	322	92.61	60.00	
2	Saoner		Khapa	Dahegaon	Gosewadi	265	16.95	16.95	
3						76	9.21	9.21	
4			Khapa	Khapa	Dohanghat	41	17.67	17.67	
Total (B)							136.44	103.83	
1	Kalmeshwar	Kalmeshwar	Kalmeshwar	Nimji	Gondkhairy	474	15.50	15.50	
2	Kalmeshwar		Adasa	Adasa	Ubali	485	29.69	25.00	
3	Kalmeshwar		Kalmeshwar	Kalmeshwar	Tondakhairy	184	14.67	12.00	
4	Saoner		Kalmeshwar	Kalmeshwar	Angewada	140	7.24	7.02	
5	Kalmeshwar		Adasa	Adasa	Telkanthi	705	14.80	10.00	
6	Saoner		Adasa	Adasa	Hetisurla	3	16.43	10.00	
7	Kalmeshwar		Adasa	Mohpa	Dadhira	76	9.19	15.00	
8						77	5.53		
9						78	3.06		
10	Kalmeshwar		Adasa	Mohpa	Khursapur	7	33.87	25.00	
Total (C)							149.98	119.52	
1	Umred	North Umred	Makardhokda	Kolarnet	Salai	227	43.23	30.00	
2						18	13.80	13.80	
Total (D)							57.03	43.80	
Grand Total (A+B+C+D)							535.30	459.00	


 Dy. Conservator of Forests,
 Nagpur Division Nagpur

Spacement - 3.00m x 3.00m
 Size of pits - 0.45 x 0.45 x 0.45 m
 No. of seedlings - 1111 per ha.

Wage Rate
 Rs. 350.00
 per day

Sr. No.	Particulars of works	Expenditure per ha.				Expenditure for 459.00 ha.			
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs. Per Ha.)
A. Pre Monsoon Works (PPO/PYO)									
1	a. Survey and demarcation	1.00	350.00	50.00	400.00	459.00	160650.00	22950.00	183600.00
	b. Preparation of treatment map (100 m 50 m grid)	1.00	350.00	50.00	400.00	459.00	160650.00	22950.00	183600.00
	c. Clearing of bushes and preparation of site (As per requirement)	10.00	3500.00	50.00	3550.00	4590.00	1606500.00	22950.00	1629450.00
2	Soil and moisture conservation works including collection of rubbles from area upto 30 m etc.	31.00	10850.00	0.00	10850.00	14229.00	4980150.00	0.00	4980150.00
3	Alignment of 1200 rmt of CCT at 8.00 m spacement) (0.25 M.D per 100 rmt and M&S, Rs. 40 per 100 rmt).	3.00	1050.00	96.00	1146.00	1377.00	481950.00	44064.00	526014.00
4	Digging of CCT of size 60 cm width and 45 cm depth including stacking of soil at down word slope (1200 rmt per ha. - 0.15 per rmt)	183.60	64260.00	0.00	64260.00	84272.40	29495340.00	0.00	29495340.00
5	Digging of Trench cum mound (TCM) of size 1.90 x 0.60 x 1.00 m along the periphery of plantation area including spreading / stacking the excavated soil as directed in 1 m width and 1 m height. Length 102 Rmt per Ha (127.50 cum per ha.)	82.57	28899.50	50.00	28949.50	37899.63	13264870.50	22950.00	13287820.50
6	Alignment of pits at 3.0 x 3.0 m spacement 1111 pits per ha (Wages 0.13 M.D and MS, Rs. 2.24 per 50 pits)	2.86	1001.00	49.77	1050.77	1312.74	459459.00	22844.43	482303.43

7	Digging of pits of 0.45 x 0.45 x 0.45 m size 1111 pits per ha (6.60 M.D. per 100 pits)	73.33	25665.50	0.00	25665.50	33658.47	11780464.50	0.00	11780464.50
8	Part nursery cost for raising 1333 seedlings per ha including (20% casualty replacement in polybags of size 12.50 x 25 cm (Wages Rs. 8.80 and M&S Rs. 1.76 per plant)	28.63	10020.50	2346.08	12366.58	13141.17	4599409.50	1076850.72	5676260.22
	Total	416.99	145946.50	2691.85	148638.35	191398.41	66989443.50	1235559.15	68225002.65
	Contingency 3%			4459.15	4459.15			2046750.08	2046750.08
	Labour Welfare 4%			5945.53	5945.53			2729000.11	2729000.11
	Grand Total	416.99	145946.50	13096.53	159043.03	191398.41	66989443.50	6011309.34	73000752.84

B. First Year Operation

1	Part Nursery cost for maintainance of 1333 seedlings per ha. Rs. 1.55 per seedling (Wages Rs. 1.11 M & S Rs. 0.44)	11.68	4496.80	586.52	5083.32	5361.12	2064031.20	269212.68	2333243.88
2	Refiling of pits with good quality soil a) 1.66 MD per 100 pits b) 20% soil replacement, 20 cum per ha Rs 300 per cum c) Filling 5% farm yard manure in pits 5cum per ha Rs.700 per cum	18.44	7099.40	9500.00	16599.40	8463.96	3258624.60	4360500.00	7619124.60
3	Transportation of 1333 of seedlings from nursery to plantation site (including loading & unloading) Rs. 0.14 MD per 100 per seedling and MS Rs 1.00 per seedlings.	1.55	596.75	1333.00	1929.75	711.45	273908.25	611847.00	885755.25
4	Plantation of agave suckers in 3 rows on TCM (306 suckers/Hec @ Rs 500 per Kg)	1.00	385.00	981.00	1366.00	459.00	176715.00	450279.00	626994.00
5	Sowing of seeds on CCT1200 mt 5 kg per ha @ Rs 50 per Kg	12.00	4620.00	250.00	4870.00	5508.00	2120580.00	114750.00	2235330.00
6	Removal of weeds from CCT (1.20 MD per 100 mt)	14.40	5544.00	0.00	5544.00	6609.60	2544696.00	0.00	2544696.00
7	Planting of seedling 1111 per ha (1MD per 100 seedling)	19.11	7357.35	0.00	7357.35	8771.49	3377023.65	0.00	3377023.65
8	3 weedings and two soil workings 3.5 MD per 100 seedlings fertilizers application Rs 0.45 per seedling)	38.88	14968.80	- 500.00	15468.80	17845.92	6870679.20	-229500.00	7100179.20

9	Casualty replacement (20% 222 seedling per ha) (2 M.D per 100 seedlings)	4.44	1709.40	0.00	1709.40	2037.96	784614.60	0.00	784614.60
10	Part Nursery Cost for casualty replacement in SYO.(222 seedlings per ha.) wagesRs. 8.80 and material supply RS 1.76 total Rs 10.56 per seedling	7.78	2995.30	390.72	3386.02	3571.02	1374842.70	179340.48	1554183.18
11	Watch and ward (10 months) 1 watcher per 10 ha	30.00	11550.00	0.00	11550.00	13770.00	5301450.00	0.00	5301450.00
12	Fire tracing	2.00	770.00	0.00	770.00	918.00	353430.00	0.00	353430.00
	Total	161.28	62092.80	13541.24	75634.04	74027.52	28500595.20	6215429.16	34716024.36
	Contingency 3%		0.00	2269.02	2269.02		0.00	1041480.73	1041480.73
	Labour Welfare 4%		0.00	3025.36	3025.36		0.00	1388640.97	1388640.97
	Grand Total	161.28	62092.80	18835.62	80928.42	74027.52	28500595.20	8645550.87	37146146.07

C. Second Year Operation

1	Part Nursery cost for seedlings for casualty replacement (222 seedlings per ha)	1.95	825.83	97.67	923.50	895.05	379053.68	44830.53	423884.21
2	Transportation of 222seedlings for casualty replacement from nursery to plantation site (including loading & unloading) Wages 0.14 M.D& MS Rs 1 per 100 seedlings.	0.31	131.29	222.00	353.29	142.29	60259.82	101898.00	162157.82
3	Planting for Casualty replacement (222 seedling per ha) (2 M.D per 100 seedlings)	4.44	1880.34	0.00	1880.34	2037.96	863076.06	0.00	863076.06
4	2 weeding and 1 soil working, with fertilizer application at Rs. 0.45 per seedling	27.77	11760.60	500.00	12260.60	12746.43	5398113.11	229500.00	5627613.11
5	Watch and ward 12 months 1 watcher 10.00 ha	36.50	15457.75	0.00	15457.75	16753.5	7095107.25	0.00	7095107.25
6	Fire tracing	2.00	847.00	0.00	847.00	918	388773.00	0.00	388773.00
	Total	72.97	30902.80	819.67	31722.47	33493.23	14184382.91	376228.53	14560611.44
	Contingency 3%		0.00	951.67	951.67		0.00	436818.34	436818.34
	Labour Welfare 4%		0.00	1268.90	1268.90		0.00	582424.46	582424.46
	Grand Total	72.97	30902.80	3040.24	33943.04	33493.23	14184382.91	1395471.33	15579854.24

D. Third Year Operations									
1	One weeding, 1 soil working (1.50MD per 100 seedlings)	16.67	7765.72	0.00	7765.72	7651.53	3564465.25	0.00	3564465.25
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	17003.53	0.00	17003.53	16753.5	7804617.98	0.00	7804617.98
3	Fire trenching	2.00	931.70	0.00	931.70	918	427650.30	0.00	427650.30
	Total	55.17	25700.94	0.00	25700.94	25323.03	11796733.53	0.00	11796733.53
	Contingency 3%		0.00	771.03	771.03		0.00	353902.01	353902.01
	Labour Welfare 4%		0.00	1028.04	1028.04		0.00	471869.34	471869.34
	Grand Total	55.17	25700.94	1799.07	27500.01	25323.03	11796733.53	825771.35	12622504.87
E. Fourth Year Operations									
1	Fire trenching	2.00	1024.86	0.00	1024.86	918.00	470410.74	0.00	470410.74
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	18703.70	0.00	18703.70	16753.50	8584996.01	0.00	8584996.01
	Total	38.50	19728.56	0.00	19728.56	17671.50	9055406.75	0.00	9055406.75
	Contingency 3%		0.00	591.86	591.86		0.00	271662.20	271662.20
	Labour Welfare 4%		0.00	789.14	789.14		0.00	362216.27	362216.27
	Grand Total	38.50	19728.56	1381.00	21109.55	17671.50	9055406.75	633878.47	9689285.22
F. Fifth Year Operations									
1	Fire trenching	2.00	1127.34	0.00	1127.34	918.00	517449.06	0.00	517449.06
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	20573.96	0.00	20573.96	16753.50	9443445.35	0.00	9443445.35
	Total	38.50	21701.30	0.00	21701.30	17671.50	9960894.41	0.00	9960894.41
	Contingency 3%		0.00	651.04	651.04		0.00	298826.83	298826.83
	Labour Welfare 4%		0.00	868.05	868.05		0.00	398435.78	398435.78
	Grand Total	38.50	21701.30	1519.09	23220.39	17671.50	9960894.41	697262.61	10658157.01

G. Sixth Year Operations.

1	Fire trenching	2.00	1240.00	0.00	1240.00	918.00	569160.00	0.00	569160.00
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	22630.00	0.00	22630.00	16753.50	10387170.00	0.00	10387170.00
	Total	38.50	23870.00	0.00	23870.00	17671.50	10956330.00	0.00	10956330.00
	Contingency 3%		0.00	716.10	716.10		0.00	328689.90	328689.90
	Labour Welfare 4%		0.00	954.80	954.80		0.00	438253.20	438253.20
	Grand Total	38.50	23870.00	1670.90	25540.90	17671.50	10956330.00	766943.10	11723273.10

II. Seventh Year Operations

1	Fire trenching	2.00	1364.00	0.00	1364.00	918.00	626076.00	0.00	626076.00
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	24893.00	0.00	24893.00	16753.50	11425887.00	0.00	11425887.00
	Total	38.50	26257.00	0.00	26257.00	17671.50	12051963.00	0.00	12051963.00
	Contingency 3%		0.00	787.71	787.71		0.00	361558.89	361558.89
	Labour Welfare 4%		0.00	1050.28	1050.28		0.00	482078.52	482078.52
	Grand Total	38.50	26257.00	1837.99	28094.99	17671.50	12051963.00	843637.41	12895600.41


 Dy. Conservator of Forests,
 Nagpur Division Nagpur

Abstract for Model No. 3

(Amount in Rupees)

Sr. No.	Year of operation	Man days	Wages	Material supply	Total	Man days	Wages	Material supply	Total	Other expenses	Total	Total amt (rounded off)
1	Pre Monsoon works	416.99	145946.50	2691.85	148638.35	191398.41	66989443.50	1235559.15	68225002.65	4775750.19	73000752.84	73000753
2	First Year Operations	161.28	62092.80	13541.24	75634.04	74027.52	28500595.20	6215429.16	34716024.36	2430121.71	37146146.07	37146146
3	Second Year Operations	72.97	30902.80	819.67	31722.47	33493.23	14184382.91	376228.53	14560611.44	1019242.80	15579854.24	15579854
4	Third Year Operations	55.17	25700.94	0.00	25700.94	25323.03	11796733.53	0.00	11796733.53	825771.35	12622504.87	12622505
5	Fourth Year Operations	38.50	19728.56	0.00	19728.56	17671.50	9055406.75	0.00	9055406.75	633878.47	9689285.22	9689285
6	Fifth Year Operations	38.50	21701.30	0.00	21701.30	17671.50	9960894.41	0.00	9960894.41	697262.61	10658157.01	10658157
7	Sixth Year Operations	38.50	23870.00	0.00	23870.00	17671.50	10956330.00	0.00	10956330.00	766943.10	11723273.10	11723273
8	Seventh Year Operations	38.50	26257.00	0.00	26257.00	17671.50	12051963.00	0.00	12051963.00	843637.41	12895600.41	12895600
	Total (A)	860.41	356199.89	17052.76	373252.65	394928.19	163495749.28	7827216.84	171322966.12	11992607.63	183315573.75	183315574
Cost per plant Rs.											795.28	
9	Providing and erecting 1.2 m high wire fencing with seven rows of barbed wire supported on cement pillars (@ 700/- per rmt. (Total = 650 rmt./ha. x 462 ha = 300300 rmt.)										210210000.00	210210000
10	Contingency 3%										6306300.00	6306300.00
11	Labour Welfare 4%										8408400.00	8408400.00
	Total (B)										224924700.00	224924700
	Grand Total (A) + (B)										408240273.75	408240274

- Note 1. The rates indicated are as per item No. 3 of Government of Maharashtra resolution No. MREGS-2011/F.No. 85/EGS-I, Planning department, EGS division dt. 03/11/2011. The rates for item No. 4 & 5 of pre monsoon works and item No. 2 of FYO Are as per Model No. 7.
2. Rubble bund of size bottom width 1.00m top width 0.60 m and height 1.00 m should be constructed wherever digging of TCM is not possible.

Dy. Conservator of Forests,
Nagpur Division Nagpur

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Model No. 3									
Model rate structure for plantation of Mixed tree species with rainfall upto 800 mm and medium quality, medium drained soil depth upto 30 cm.									
(Aided Natural Regeneration)									
Detailed scheme for creation and maintenance of plantation against the proposal of diversion of 564.00 ha. Forest land for the purpose of Development of proposed international Standard Zoo on Forest land under possession of FDCM at Gorewada Project, Tal. Nagpur Dist Nagpur.									
Compensatory Afforestation Site (Zudpi Jungle) in Bhandara District/Bhandara									
Ser. No.	Taluka	Range	Round	Beat	Name of Village	Survey No.	Total area (In ha.)	Area suitable for CA (In ha.)	Remarks
1	Bhandara	Bhandara	Koka	Kawalewada	Chitapur	234	21.77	15.00	
2	Bhandara	Bhandara	Davadipar	Garada (Bu)	Borgaon	253	91.74	25.00	
Total (A)								40.00	
1	Paoni	Adyal	Adyal	Kesalwada	Pimpalgaon	740	22.40	16.00	
2	Paoni	Adyal	Adyal	Kesalwada	Thana (Rithi)	246	13.42	10.00	
3	Paoni	Adyal	Adyal	Adyal	Nerala	176	12.52	10.00	
4	Paoni	Adyal	Adyal	Adyal	Nerala	421	12.25	10.00	
5	Paoni	Adyal	Adyal	Adyal	Nerala	178	25.77	20.00	
6	Paoni	Adyal	Adyal	Adyal	Adyal	698	55.96	47.00	
7	Paoni	Adyal	Adyal	Adyal	Adyal	658	22.90	20.00	
8	Paoni	Adyal	Adyal	Adyal	Adyal	659	13.85	10.00	
9	Paoni	Adyal	Adyal	Adyal	Adyal	660	19.22	10.00	
10	Paoni	Adyal	Adyal	Adyal	Adyal	699	55.65	40.00	
11	Paoni	Adyal	Adyal	Pilandri	Katurli	449	25.62	20.00	
12	Lakhani	Adyal	Madgi	Chalna-2	Pendhari	640/2	10.68	5.00	
13	Lakhani	Adyal	Madgi	Chalna-2	Pendhari	679/1	38.53	10.00	
14	Lakhani	Adyal	Madgi	Chalna-2	Pendhari	679/2	20.00	10.00	
15	Lakhani	Adyal	Kitadi	Dongargaon Pendhari	Dongargaon	33	12.16	5.00	
16	Lakhani	Adyal	Kitadi	Dongargaon Pendhari	Dongargaon	61	13.13	8.00	
17	Lakhani	Adyal	Kitadi	Dongargaon Pendhari	Dongargaon	64/2	12.50	7.00	
18	Lakhani	Adyal	Kitadi	Dongargaon Pendhari	Dongargaon	168/3	18.20	10.00	
19	Lakhani	Adyal	Kitadi	Dongargaon Pendhari	Dongargaon	169/2	10.00	5.00	
20	Lakhani	Adyal	Kitadi	Dongargaon Pendhari	Dongargaon	62	12.70	5.00	
21	Lakhani	Adyal	Kitadi	Kitadi-2	Saigaon	2	13.43	10.00	
22	Lakhani	Adyal	Kitadi	Kitadi-2	Saigaon	7	29.40	15.00	
23	Lakhani	Adyal	Kitadi	Kitadi-2	Saigaon	21	47.20	25.00	
Total (B)								328.00	

1	Tumsar	Tumsar	Bapera	701	20.12	15.00
3	Tumsar	Tumsar	Warpindkepar	221	5.99	5.00
4	Tumsar	Tumsar	Warpindkepar	243	13.55	10.00
5	Tumsar	Tumsar	Warpindkepar	247	16.39	7.00
6	Tumsar	Tumsar	KhapaMohadi	2	24.00	20.00
7	Tumsar	Tumsar	KhapaMohadi	3	17.58	10.00
8	Tumsar	Tumsar	Chulardoh	10	20.28	15.00
9	Tumsar	Tumsar	Davezari	448	21.30	20.00
10	Tumsar	Tumsar	Davezari	447	15.54	10.00
11	Tumsar	Tumsar	Davezari	450	15.43	10.00
12	Tumsar	Tumsar	Sonegaon	462	15.44	10.00
13	Tumsar	Tumsar	Mandvi	14	16.85	12.00
17	Mohadi	Tumsar	Palora	404	40.00	35.00
Total (C)						179.00
Grand Total (A+B+C)						547.00

Place :- Bhandara

Dated :-


 (N.R. Praveen)
 Deputy Conservator of Forests
 Bhandara Division, Bhandara

Spacing - 3.00m x 3.00m
 Size of pits - 0.45 x 0.45 x 0.45 m
 No. of seedlings - 1111 per ha.

Wage Rate
 Rs. 350.00 per
 day

No. of seedlings - 1111 per ha.		day							
Sr. No.	Particulars of works	Expenditure per ha.				Expenditure for 547.00 ha.			
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs. Per Ha.)
A. Pre Monsoon Works (PPO/PYO)									
1	a. Survey and demarcation	1.00	350.00	50.00	400.00	547.00	191450.00	27350.00	218800.00
	b. Preparation of treatment map (100 m 50 m grid)	1.00	350.00	50.00	400.00	547.00	191450.00	27350.00	218800.00
	c. Clearing of bushes and preparation of site (As per requirement)	10.00	3500.00	50.00	3550.00	5470.00	1914500.00	27350.00	1914850.00
2	Soil and moisture conservation works including collection of rubbles from area upto 30 m etc.	31.00	10850.00	0.00	10850.00	16957.00	5934950.00	0.00	5934950.00
3	Alignment of 1200 rmt of CCT at 8.00 m spacing (0.25 M.D per 100 rmt and M&S. Rs. 40 per 100 rmt).	3.00	1050.00	96.00	1146.00	1641.00	574350.00	52512.00	626862.00
4	Digging of CCT of size 60 cm width and 45 cm depth including stacking of soil at down word slope (1200 rmt per ha. - 0.15 per rmt).	183.60	64260.00	0.00	64260.00	100429.20	35150220.00	0.00	35150220.00

5	Digging of Trench (around TCM) of size 1.90 x 0.60 x 1.00 m along the periphery of plantation area including spreading stacking the excavated soil as directed in 1 m width and 1 m height. Length 102 Rm per Ha (127.50 cum per ha.)	82.53	28899.50	50.00	28949.50	4163.79	15808076.50	27350.00	15835376.50
6	Alignment of pits at 3.0 x 3.0 m spacing 1111 pits per ha (Wages 0.13 M.D and M.S. Rs. 2.24 per 50 pits)	2.86	1001.00	49.77	1050.77	1564.42	547547.00	27224.19	574771.19
7	Digging of pits of 0.45 x 0.45 x 0.45 m size 1111 pits per ha (6.60 M.D. per 100 pits)	73.33	25665.50	0.00	25665.50	40111.51	14039028.50	0.00	14039028.50
8	Part nursery cost for raising 1333 seedlings per ha including (20% casualty replacement in polybags of size 12.50 x 25 cm (Wages Rs. 8.80 and M&S Rs. 1.76 per plant)	28.63	10020.50	2346.08	12366.58	15660.61	5481213.50	1283305.76	6764519.26
	Total	416.99	145946.50	2691.85	148638.35	228093.53	79832735.50	147241.95	81305177.45
	Contingency 3%			4459.15	4459.15			2439155.32	2439155.32
	Labour Welfare 4%			5945.53	5945.53			3252207.10	3252207.10
	Grand Total	416.99	145946.50	13096.53	159043.03	228093.53	79832735.50	3163804.37	86996539.87
B. First Year Operation									
1	Part Nursery cost for maintenance of 1333 seedlings per ha. Rs 1.55 per seedling (Wages Rs. 1.11 M & S Rs. 0.44)	1.68	4496.80	586.52	5083.32	6388.96	2459749.60	320826.44	2780576.04

2	Refilling of pits with good quality soil a) 1.66 MD per 100 pits b) 20% soil replacement - 20 cum per ha Rs 300 per cum c) Filling 5% farm yard manure in pits 5cum per ha Rs. 700 per cum	18.11	75.40	9500.00	16599.20	10086.68	1883171.80	5196500.00	9679871.80
3	Transportation of seedlings from nursery to plantation site (including loading & unloading) Rs. 0.14 MD per 100 per seedling and MS Rs 1.00 per seedlings.	1.55	596.25	1353.00	1929.75	817.85	326322.25	729151.00	1055573.25
4	Plantation of agave suckers in 3 rows on TCM (306 suckers/Hec @ Rs 500 per Kg)	1.00	385.00	981.00	1366.00	547.00	210595.00	536607.00	747202.00
5	Sowing of seeds on CCT 1200 rmt 5 kg per ha @ Rs 50 per Kg.	12.00	4620.00	250.00	4870.00	6564.00	2527140.00	136750.00	2663890.00
6	Removal of weeds from CCT (1.20 MD per 100 rmt)	14.40	5544.00	0.00	5544.00	7876.80	3032568.00	0.00	3032568.00
7	Planting of seedling 1111 per ha (1MD per 100 seedling)	19.11	7357.35	0.00	7357.35	10453.17	4024470.45	0.00	4024470.45
8	3 weedings and two soil workings 3.5 MD per 100 seedlings fertilizers application Rs 0.45 per seedling)	38.88	14968.80	500.00	15468.80	21267.36	8187933.60	273500.00	8461433.60

9	Casualty replacement (20% 222 seedlings per ha) (2 M.D. per 100 seedlings)	4.44	1709.40	0.00	1709.40	2428.68	935041.80	0.00	935041.80
10	Part Nursery Cost for casualty replacement in SYO (222 seedlings per ha.) ones-Rs. 8.80 and material supply: RS 1.76 total RS 10.56 per seedling	7.78	2995.30	390.72	3386.02	4255.66	1638429.10	213723.84	1852152.94
11	Watch and ward (10 months) 1 watcher per 10 ha	30.00	11550.00	0.00	11550.00	16410.00	6317850.00	0.00	6317850.00
12	Fire tracing	2.00	770.00	0.00	770.00	1094.00	421190.00	0.00	421190.00
	Total	161.28	62092.80	13541.24	75634.04	88220.16	33964761.60	7407058.28	41371819.88
	Contingency 3%		0.00	2269.02	2269.02		0.00	1241154.60	1241154.60
	Labour Welfare 4%		0.00	3025.36	3025.36		0.00	1654872.80	1654872.80
	Grand Total	161.28	62092.80	18835.62	80928.42	88220.16	33964761.60	10303085.67	44267847.27
C: Second Year Operation									
1	Part Nursery cost for seedlings for casualty replacement (222 seedlings per ha)	1.95	825.83	97.67	923.50	1066.85	451726.28	53425.49	505151.77
2	Transportation of 222 seedlings for casualty replacement from nursery to plantation site (including loading & unloading) Wages 0.14 M.D& MS: Rs 1 per 100 seedlings	0.31	131.29	222.00	353.29	169.57	71812.90	121434.00	193246.90
3	Planting for Casualty replacement (222 seedling per ha) (2 M.D. per 100 seedlings)	4.44	1880.34	0.00	1880.34	2428.68	1028535.98	0.00	1028535.98

4	weeding and 1 soil working with fertilizer application at R6 0.45 per seedling	27.77	11760.50	500.00	12260.50	15190.19	6433043.47	273500.00	6706545.47
5	Watch and ward 12 months 1 watcher 10.00 ha	36.50	15457.75	0.00	15457.75	19965.25	8455389.25	0.00	8455389.25
6	Fire tracing	2.00	847.00	0.00	847.00	1093	463309.00	0.00	463309.00
	Total	72.97	30902.80	500.00	31722.47	39914.59	16903828.87	448359.49	17352188.36
	Contingency 3%		0.00	951.67	951.67		0.00	520565.65	520565.65
	Labour Welfare 4%		0.00	1268.90	1268.90		0.00	694087.53	694087.53
	Grand Total	72.97	30902.80	1768.90	33943.04	39914.59	16903828.87	1663012.67	18566841.54

D. Third Year Operations

1	One weeding, 1 soil working (1.50MD per 100 seedlings)	16.67	7765.72	0.00	7765.72	9118.49	4247848.57	0.00	4247848.57
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	17003.53	0.00	17003.53	19965.5	9300928.18	0.00	9300928.18
3	Fire trenching	2.00	931.70	0.00	931.70	1094	509639.90	0.00	509639.90
	Total	55.17	25700.94	0.00	25700.94	30177.99	14058416.64	0.00	14058416.64
	Contingency 3%		0.00	771.03	771.03		0.00	421752.50	421752.50
	Labour Welfare 4%		0.00	1028.04	1028.04		0.00	562336.67	562336.67
	Grand Total	55.17	25700.94	1799.07	27500.01	30177.99	14058416.64	984089.16	15042505.81

E. Fourth Year Operations

1	Fire trenching	2.00	1024.86	0.00	1024.86	1094.00	560598.42	0.00	560598.42
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	18703.70	0.00	18703.70	19965.50	10230921.17	0.00	10230921.17
	Total	38.50	19728.56	0.00	19728.56	21059.50	10791519.59	0.00	10791519.59
	Contingency 3%		0.00	591.86	591.86		0.00	323745.50	323745.50
	Labour Welfare 4%		0.00	789.14	789.14		0.00	431660.78	431660.78
	Grand Total	38.50	19728.56	1381.00	21109.56	21059.50	10791519.59	755406.37	11546925.96

F. Fifth Year Operations

1	Fire trenching	2.00	1127.34	0.00	1127.34	1094.00	616654.98	0.00	616654.98
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2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	20573.96	0.00	20573.96	19965.50	11253953.30	0.00	11253953.30
	Total	38.50	21701.30	0.00	21701.30	21059.50	11870608.37	0.00	11870608.37
	Contingency 3%		0.00	651.04	651.04		0.00	356118.25	356118.25
	Labour Welfare 4%		0.00	868.05	868.05		0.00	474824.33	474824.33
	Grand Total	38.50	21701.30	1519.09	23220.39	21059.50	11870608.37	830942.59	12701550.95

G. Sixth Year Operations.

1	Fire trenching	2.00	1240.00	0.00	1240.00	1094.00	678280.00	0.00	678280.00
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	22630.00	0.00	22630.00	19965.50	12378610.00	0.00	12378610.00
	Total	38.50	23870.00	0.00	23870.00	21059.50	13056890.00	0.00	13056890.00
	Contingency 3%		0.00	716.10	716.10		0.00	391706.70	391706.70
	Labour Welfare 4%		0.00	954.80	954.80		0.00	522275.60	522275.60
	Grand Total	38.50	23870.00	1670.90	25540.90	21059.50	13056890.00	913982.30	13970872.30

H. Seventh Year Operations

1	Fire trenching	2.00	1364.00	0.00	1364.00	1094.00	746108.00	0.00	746108.00
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	24893.00	0.00	24893.00	19965.50	13616471.00	0.00	13616471.00
	Total	38.50	26257.00	0.00	26257.00	21059.50	14362579.00	0.00	14362579.00
	Contingency 3%		0.00	787.71	787.71		0.00	430877.37	430877.37
	Labour Welfare 4%		0.00	1050.28	1050.28		0.00	574503.16	574503.16
	Grand Total	38.50	26257.00	1837.99	28094.99	21059.50	14362579.00	1005380.53	15367959.53

Dy. Conservator of Forests,
Bhandara Division Bhandara

Abstract for Model No. 3

(Amount in Rupees)

Sr. No.	Year of operation	Man days	Wages	Material supply	Total	Man days	Wages	Material supply	Total	Other expenses	Total	Total amt (rounded off)
1	Pre Monsoon works	416.99	145946.50	2691.85	148638.35	228093.53	79832735.50	1472441.95	81305177.45	5691362.42	86996539.87	86996540
2	First Year Operations	161.28	62092.80	13541.24	75634.04	88220.16	33964761.60	7407058.28	41371819.88	2896027.39	44267847.27	44267847
3	Second Year Operations	72.97	30902.80	819.67	31722.47	39914.59	16903828.87	448359.49	17352188.36	1214653.18	18566841.54	18566842
4	Third Year Operations	55.17	25700.94	0.00	25700.94	30177.99	14058416.64	0.00	14058416.64	984089.16	15042505.81	15042506
5	Fourth Year Operations	38.50	19728.56	0.00	19728.56	21059.50	10791519.59	0.00	10791519.59	755406.37	11546925.96	11546926
6	Fifth Year Operations	38.50	21701.30	0.00	21701.30	21059.50	11870608.37	0.00	11870608.37	830942.59	12701550.95	12701551
7	Sixth Year Operations	38.50	23870.00	0.00	23870.00	21059.50	13056890.00	0.00	13056890.00	913982.30	13970872.30	13970872
8	Seventh Year Operations	38.50	26257.00	0.00	26257.00	21059.50	14362579.00	0.00	14362579.00	1005380.53	15367959.53	15367960
	Total (A)	860.41	356199.90	17052.76	373252.66	470644.27	194841339.56	9327859.72	204169199.28	14291843.95	218461043.23	218461043
9	Providing and erecting 1.2 m. high wire fencing with seven rows of barbed wire supported on cement pillars @ 700/- per run. Total 5000 run										3500000.00	3500000
10	Contingency 3%										105000.00	105000
11	Labour Welfare 4%										140000.00	140000
	Total (B)										3745000.00	3745000
	Grand Total (A+B)										222206043.23	222206043
Note	1. The rates indicated are as per item No 3 of Government of Maharashtra resolution No. MREGS-2011/F.No.85/EGS-1, Planning department, EGS division dt. 03/11/2011. The rates for item No 4 & 5 of pre monsoon works and item No. 2 of FYO Are as per Model No. 7											
	2. Rubble band of size bottom width 1.00 m, top width 0.60 m, and height 1.00 m, should be constructed wherever digging of TCM is not possible											

Dy. Conservator of Forests,
Bhandara Division Bhandara

Wardha Forest Division

Model - 3

Model rate structure for plantation of Mixed tree species with rainfall upto 800 mm and medium quality, medium drained soil depth upto 30 cm.

Detailed scheme for creation and maintenance of plantation against the proposal of diversion of Forest land for the purpose of Development of proposed international Standard Zone Forest land under possession of FDCM at Gorewada Project, Tal. Nagpur Dist Nagpur.

Compensatory Afforestation Site (Zudpi Jungle) in Wardha District/Wardha Division :-

Ser. No.	Taluka	Range	Round	Beat	Name of Village	Survey No.	Total area as per 7/12 (In ha.)	Area suitable for C.A (In ha.)	Remain
1	Wardha	Wardha	Wardha	Dahegron (M)	Tiguan	278	5.00	5.00	
2	Wardha	Wardha	Wardha	Madur	Yesamba	99	14.22	12.00	
3	Wardha	Wardha				361	10.78	10.00	
A) Total Of Wardha Range						3 Site	30.00	27.00	
1	Arvi	Arvi	Pirapal Kheda	Danapur	Gundmand	2-1	32.81	30.00	
2	Arvi					43	6.88	3.00	
B) Total Of Arvi Range						2 site	39.69	33.00	
(C) Total A+B						25 site	69.78	60.00	

[Signature]
 Dy. Conservator of Forests,
 Wardha Division Wardha

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Wardha Forest Division

Abstract for Model No. 3

Sr. No.	Year of operation	Man days	Wages	Material supply	Total	Man days	Wages	Material supply	Total
1	Pre Monsoon works	416.99	145946.50	2691.85	148638.35	25853.38	9048683.00	166894.70	9215577.70
2	First Year Operations	161.28	62092.80	13541.24	75634.04	9999.36	3849753.60	839556.88	4689310.48
3	Second Year Operations	72.97	30902.80	819.67	31722.47	4524.14	1915973.29	50819.54	1966792.83
4	Third Year Operations	55.17	25700.94	0.00	25700.94	3420.54	1593458.56	0.00	1593458.56
5	Fourth Year Operations	38.50	19728.56	0.00	19728.56	2387.00	1223170.41	0.00	1223170.41
6	Fifth Year Operations	38.50	21701.30	0.00	21701.30	2387.00	1345480.29	0.00	1345480.29
7	Sixth Year Operations	38.50	23870.00	0.00	23870.00	2387.00	1479940.00	0.00	1479940.00
8	Seventh Year Operations	38.50	26257.00	0.00	26257.00	2387.00	1627934.00	0.00	1627934.00
	Total (A)	860.41	356199.89	17052.76	373252.65	53345.42	22084393.15	1057271.12	23141664.27
10	Contingency 3%		0	11197.58	11197.58		0	694249.93	694249.93
11	Labour Welfare 4%		0	14930.11	14930.11		0	925666.57	925666.57
	Total (B)		0	26127.69	26127.69			1619916.50	1619916.50
	Grand Total (A) + (B)		356199.89	43180.45	399380.33		22084393.15	2677187.62	24761580.77

Not 1. The rates indicated are as per item No. 3 of Government of Maharashtra resolution No. MREGS-2011/F.No. 85/EGS-1, Planning department, EGS division dt. 03/11/2011. The rates for item No. 4 & 5 of pre monsoon works and item No. 2 of FYO Are as per Model No. 7.

2. Rubble bund of size bottom width 1.00m top width 0.60 m and height 1.00 m should be constructed wherever digging of TCM is not possible.


 Dy. Conservator of Forests,
 Wardha Division Wardha

Esttimate Model 3

Spacement - 3.00m x 3.00m
Size of pits - 0.45 x 0.45 x 0.45 m
No. of seedlings - 1111 per ha.

Wage Rate
Rs. 350.00 per
day

Sr. No.	Particulars of works	Expenditure per ha.				Expenditure for 62ha.			
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs. Per Ha.)
A. Pre Monsoon Works (PPO/PYO)									
1	a. Survey and demarcation	1.00	350.00	50.00	400.00	62.0000	21700.00	3100.00	24800.00
	b. Preparation of treatment map (100 m 50 m grid)	1.00	350.00	50.00	400.00	62.0000	21700.00	3100.00	24800.00
	c. Clearing of bushes and preparation of site (As per requirement)	10.00	3500.00	50.00	3550.00	620.0000	217000.00	3100.00	220100.00
2	Soil and moisture conservation works including collection of rubbles from area upto 30 m etc.	31.00	10850.00	0.00	10850.00	1922.0000	672700.00	0.00	672700.00
3	Alignment of 1200 rmt. of CCT at 8.00 m spacing) (0.25 M.D per 100 rmt and M&S. Rs. 40 per 100 rmt).	3.00	1050.00	96.00	1146.00	186.0000	65100.00	5952.00	71052.00
4	Digging of CCT of size 60 cm width and 45 cm depth including stacking of soil at down word slope (1200 rmt per ha. - 0.15 per rmt)	183.60	64260.00	0.00	64260.00	11383.2000	3984120.00	0.00	3984120.00
5	Digging of Trench cum mound (TCM) of size 1.90 x 0.60 x 1.00 m along the periphery of plantation area including spreading / stacking the excavated soil as directed in 1 m width and 1 m height. Length 102 Rmt per Ha (127.50 cum per ha.)	82.57	28899.50	50.00	28949.50	5119.3400	1791769.00	3100.00	1794869.00
6	Alignment of pits at 3.0 x 3.0 m spacing 1111 pits per ha. (Wages 0.13 M.D and MS. Rs. 2.24 per 50 pits)	2.86	1001.00	49.77	1050.77	177.3200	62062.00	3085.74	65147.74
7	Digging of pits of 0.45 x 0.45 x 0.45 m size 1111 pits per ha (6.60 M.D. per 100 pits)	73.33	25665.50	0.00	25665.50	4546.4600	1591261.00	0.00	1591261.00
8	Part nursery cost for raising 1333 seedlings per ha including (20% casualty replacement in polybags of size 12.50 x 25 cm (Wages Rs. 8.80 and M&S Rs. 1.76 per plant)	28.63	10026.50	2346.88	12366.58	1775.0600	621271.00	145456.96	766727.96
	Total	416.99	145946.50	2691.85	148638.35	25853.38	9048683.00	166894.70	9215577.70
	Contingency 3%			4459.15	4459.15			276467.33	276467.33
	Labour Welfare 4%			5945.53	5945.53			368623.11	368623.11
	Grand Total	416.99	145946.50	13096.53	159043.03	25853.38	9048683.00	811985.14	9860668.14

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B. First Year Operation									
1	Part Nursery cost for maintenance of 1333 seedlings per ha. Rs. 1.55 per seedling (Wages Rs. 1.11 M & S Rs. 0.44)	11.68	4496.80	586.52	5083.32	724.16	278801.60	36364.24	315165.84
2	Refiling of pits with good quality soil a) 1.66 MD per 100 pits b) 20% soil replacement, 20 cum per ha Rs 300 per cum c) Filling 5% farm yard manure in pits 5cum per ha Rs.700 per cum	18.44	7099.40	9500.00	16599.40	1143.28	440162.80	589000.00	1029162.80
3	Transportation of 1333 of seedlings from nursery to plantation site (including loading & unloading) Rs. 0.14 MD per 100 per seedling and MS Rs 1.00 per seedlings.	1.55	596.75	1333.00	1929.75	96.10	36998.50	82646.00	119644.50
4	Plantation of agave suckers in 3 rows on TCM (306 suckers/Hec @ Rs 500 per Kg)	1.00	385.00	981.00	1366.00	62.00	23870.00	60822.00	84692.00
5	Sowing of seeds on CCT1200 rmt 5 kg per ha @ Rs 50 per Kg	12.00	4620.00	250.00	4870.00	744.00	286440.00	15500.00	301940.00
6	Removal of weeds from CCT (1.20 MD per 100 rmt)	14.40	5544.00	0.00	5544.00	892.80	343728.00	0.00	343728.00
7	Planting of seedling 1111 per ha (1MD per 100 seedling)	19.11	7357.35	0.00	7357.35	1184.82	456155.70	0.00	456155.70
8	3 weedings and two soil workings 3.5 MD per 100 seedlings fertilizers application Rs 0.45 per seedling)	38.88	14968.80	500.00	15468.80	2410.56	928065.60	31000.00	959065.60
9	Casualty replacement (20% 222 seedling per ha) (2 MD per 100 seedlings)	4.44	1709.40	0.00	1709.40	275.28	105982.80	0.00	105982.80
10	Part Nursery Cost for casualty replacement in SYO.(222 seedlings per ha) wagesRs. 8.80 and material supply RS 1.76 total Rs 10.56 per seedling	7.78	2995.30	390.72	3386.02	482.36	185708.60	24224.64	209933.24
11	Watch and ward (10 months) 1 watcher per 10 ha	30.00	11550.00	0.00	11550.00	1860.00	716100.00	0.00	716100.00
12	Fire tracing	2.00	770.00	0.00	770.00	124.00	47740.00	0.00	47740.00
	Total	161.28	62092.80	13541.24	75634.04	9999.36	3849753.60	839556.88	4689310.48
	Contingency 3%		0.00	2269.02	2269.02		0.00	140679.31	140679.31
	Labour Welfare 4%		0.00	3025.36	3025.36		0.00	187572.42	187572.42
	Grand Total	161.28	62092.80	18835.62	80928.42	9999.36	3849753.60	1167808.61	5017562.21

C. Second Year Operation

1	Part Nursery cost for seedlings for casualty replacement (222 seedlings per ha)	1.95	825.83	97.67	923.50	120.90	51201.15	6055.54	57256.69
2	Transportation of 222 seedlings for casualty replacement from nursery to plantation site (including loading & unloading) Wages 0.14 M.D. & MS Rs 1 per 100 seedlings	0.31	131.29	222.00	353.29	19.22	8139.67	13764.00	21903.67
3	Planting for Casualty replacement (222 seedling per ha) (2 M.D per 100 seedlings)	4.44	1880.34	0.00	1880.34	275.28	116581.08	0.00	116581.08
4	2 weeding and 1 soil working, with fertilizer application at Rs. 0.45 per seedling	27.77	11760.60	500.00	12260.60	1721.74	729156.89	31000.00	760156.89
5	Watch and ward 12 months 1 watcher 10.00 ha	36.50	15457.75	0.00	15457.75	2263.00	958380.50	0.00	958380.50
6	Fire tracing	2.00	847.00	0.00	847.00	124.00	52514.00	0.00	52514.00
	Total	72.97	30902.80	819.67	31722.47	4524.14	1915973.29	50819.54	1966792.83
	Contingency 3%		0.00	951.67	951.67		0.00	59003.78	59003.78
	Labour Welfare 4%		0.00	1268.90	1268.90		0.00	78671.71	78671.71
	Grand Total	72.97	30902.80	3040.24	33943.04	4524.14	1915973.29	188495.04	2104468.33

D. Third Year Operations

1	One weeding, 1 soil working (1.50MD per 100 seedlings)	16.67	7765.72	0.00	7765.72	1033.54	481474.61	0.00	481474.61
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	17003.53	0.00	17003.53	2263	1054218.55	0.00	1054218.55
3	Fire trenching	2.00	931.70	0.00	931.70	124	57765.40	0.00	57765.40
	Total	55.17	25700.94	0.00	25700.94	3420.54	1593458.56	0.00	1593458.56
	Contingency 3%		0.00	771.03	771.03		0.00	47803.76	47803.76
	Labour Welfare 4%		0.00	1028.04	1028.04		0.00	63738.34	63738.34
	Grand Total	55.17	25700.94	1799.07	27500.01	3420.54	1593458.56	111542.10	1705000.66

E. Fourth Year Operations

1	Fire trenching	2.00	1024.86	0.00	1024.86	124.00	63541.32	0.00	63541.32
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	18703.70	0.00	18703.70	2263.00	1159629.09	0.00	1159629.09
	Total	38.50	19728.56	0.00	19728.56	2387.00	1223170.41	0.00	1223170.41
	Contingency 3%		0.00	591.86	591.86		0.00	36695.11	36695.11
	Labour Welfare 4%		0.00	789.14	789.14		0.00	48926.82	48926.82
	Grand Total	38.50	19728.56	1381.00	21109.55	2387.00	1223170.41	85621.93	1308792.34

F. Fifth Year Operations

1	Fire trenching	2.00	1127.34	0.00	1127.34	124.00	69895.08	0.00	69895.08
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	20573.96	0.00	20573.96	2263.00	1275585.21	0.00	1275585.21
	Total	38.50	21701.30	0.00	21701.30	2387.00	1345480.29	0.00	1345480.29
	Contingency 3%		0.00	651.04	651.04		0.00	40364.41	40364.41
	Labour Welfare 4%		0.00	868.05	868.05		0.00	53819.21	53819.21
	Grand Total	38.50	21701.30	1519.09	23220.39	2387.00	1345480.29	94183.62	1439663.91

G. Sixth Year Operations.

1	Fire trenching	2.00	1240.00	0.00	1240.00	124.00	76880.00	0.00	76880.00
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	22630.00	0.00	22630.00	2263.00	1403060.00	0.00	1403060.00
	Total	38.50	23870.00	0.00	23870.00	2387.00	1479940.00	0.00	1479940.00
	Contingency 3%		0.00	716.10	716.10		0.00	44398.20	44398.20
	Labour Welfare 4%		0.00	954.80	954.80		0.00	59197.60	59197.60
	Grand Total	38.50	23870.00	1670.90	25540.90	2387.00	1479940.00	103595.80	1583535.80

H. Seventh Year Operations

1	Fire trenching	2.00	1364.00	0.00	1364.00	124.00	84568.00	0.00	84568.00
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	24893.00	0.00	24893.00	2263.00	1543366.00	0.00	1543366.00
	Total	38.50	26257.00	0.00	26257.00	2387.00	1627934.00	0.00	1627934.00
	Contingency 3%		0.00	787.71	787.71		0.00	48838.02	48838.02
	Labour Welfare 4%		0.00	1050.28	1050.28		0.00	65117.36	65117.36
	Grand Total	38.50	26257.00	1837.99	28094.99	2387.00	1627934.00	113955.38	1741889.38


 Dy. Conservator of Forests,
 Wardha Division Wardha

Wardha Forest Division Model - 4									
Model rate structure for plantation of Mixed tree species /Medicinal Plants/ Bamboo etc. in Areas with medium density having natural regeneration to some extent									
(Aided Natural Regeneration)									
Detailed scheme for creation and maintenance of plantation against the proposal of diversion of Forest land for the purpose of Development of proposed international Standard Zoo on Forest land under possession of FDCM at Gorewada Project, Tal. Nagpur Dist Nagpur.									
Compensatory Afforestation Site (Zudpi Jungle) in Nagpur District/Nagpur Division :-									
Ser No.	Taluka	Range	Round	Beat	Name of Village	Survey No.	Total area as per 7/12 (In ha.)	Area suitable for CA (In ha.)	Remarks
1	Ashti	Ashti			Peth Ahmadpur	155	53.24	20.00	
Total							53.24	20.00	

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Wardha Division Wardha

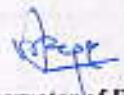
Abstract for Model No. 4

Sr. No.	Year of operation	Man days	Wages	Material supply	Total	Man days	Wages	Material supply	Total
1	Pre Monsoon works	166.98	58443.00	1548.00	59991.00	3339.60	1168860.00	30960.00	1199820.00
2	First Year Operations	109.26	38241.00	3290.50	41531.50	2185.20	764820.00	65810.00	830630.00
3	Second Year Operations	32.28	11298.00	680.00	11978.00	645.60	225960.00	13600.00	239560.00
4	Third Year Operations	55.75	19512.50	0.00	19512.50	1115.00	390250.00	0.00	390250.00
5	Fourth Year Operations	38.50	13475.00	0.00	13475.00	770.00	269500.00	0.00	269500.00
6	Fifth Year Operations	38.50	13475.00	0.00	13475.00	770.00	269500.00	0.00	269500.00
7	Sixth Year Operations	38.50	13475.00	0.00	13475.00	770.00	269500.00	0.00	269500.00
8	Seventh Year Operations	38.50	13475.00	0.00	13475.00	770.00	269500.00	0.00	269500.00
	Total (A)	518.27	181394.50	5518.50	186913.00	10365.40	3627890.00	110370.00	3738260.00
10	Contingency 3%		0	5607.39	5607.39		0	112147.80	112147.80
11	Labour Welfare 4%		0	7476.52	7476.52		0	149530.40	149530.40
	Total (B)			13083.91	13083.91			261678.20	261678.20
	Grand Total (A) + (B)		181394.50	18602.41	199996.91		3627890.00	372048.20	3999938.20

Not 1. The rates indicated are as per item No. 3 of Government of Maharashtra resolution No. MREGS-2011/F.No. 85/EGS-I, Planning department, EGS division dt. 03/11/2011.

e The rates for item No. 4 & 5 of pre monsoon works and item No. 2 of FYO Are as per Model No. 7.

2. Rubble bund of size bottom width 1.00m top width 0.60 m and height 1.00 m should be constructed wherever digging of TCM is not possible.


Dy. Conservator of Forests,
Wardha Division Wardha

Spacement - 4.00m x4.00m
 Size of pits - 0.45 x 0.45 x 0.45 m
 No. of seedlings - 625 per ha.

Wage Rate
 Rs. 350.00
 per day

Sr. No.	Particulars of works	Expenditure per ha.				Expenditure for 20 ha.			
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs. Per Ha.)
A. Pre Monsoon Works (PPO/PYO)									
1	a. Survey and demarcation	1.00	350.00	50.00	400.00	20.0000	7000.00	1000.00	8000.00
	b. Preparation of treatment map (100 m 50 m grid)	1.00	350.00	50.00	400.00	20.0000	7000.00	1000.00	8000.00
	c. Clearing of bushes and preparation of site (As per requirement)	10.00	3500.00	50.00	3550.00	200.0000	70000.00	1000.00	71000.00
2	Soil and moisture conservation works including collection of rubbles from area upto 30 m etc.	31.00	10850.00	0.00	10850.00	620.0000	217000.00	0.00	217000.00
5	Digging of Trench cum mound (TCM) of size 1.90 x 0.60 x 1.00 m along the periphery of plantation area including spreading / stacking the excavated soil as directed in 1 m width and 1 m height. Length 102 Rmt per 1ha (127.50 cum per ha.)	82.57	28899.50	50.00	28949.50	1651.4000	577990.00	1000.00	578990.00
	Counting of Gridwise valuable species & applying colourband	3.50	1225.00			70.0000	24500.00	0.00	24500.00
	Singling of Copies cut back operation debudding,climber cutting & soil workingaround natural regeneration	10.00	3500.00			200.0000	70000.00	0.00	70000.00
6	Alignment of pits at 4.0 x 4.0 m spacement 625 pits per ha (Wages 0.13 M.D and MS. Rs. 2.24 per 50 pits)	1.62	567.00	28.00	595.00	32.4000	11340.00	560.00	11900.00
8	Part nursery cost for raising 750 seedlings per ha including (20% casualty replacement in polybags of size 12.50 x 25 cm (Wages Rs. 8.80 and M&S Rs. 1.76 per plant)	26.29	9201.50	1320.00	10521.50	525.8000	184030.00	26400.00	210430.00
	Total	166.98	58443.00	1548.00	55266.00	3339.60	1168860.00	30960.00	1199820.00
	Contingency 3%			1657.98	1657.98			35994.60	35994.60
	Labour Welfare 4%			2210.64	2210.64			47992.80	47992.80
	Grand Total	166.98	58443.00	5416.62	59134.62	3339.60	1168860.00	114947.40	1283807.40

B. First Year Operation

1	Part Nursery cost for maintainance of 750seedlings per ha. Rs. 1.55 per seedling (Wages Rs. 1.11 M & S Rs. 0.44)	6.57	2299.50	330.00	2629.50	131.40	45990.00	6600.00	52590.00
2	Refilling of pits with good quality soil a) 1.66 MD per100 pits b) 20% soil replacement , 20 cum per ha Rs 300 per cum c) Filling 5% farm yard manure in pits 5cum per ha Rs.700 per cum	10.38	3633.00	600.00	4233.00	207.60	72660.00	12000.00	84660.00
3	Transportation of 750 of seedlings from nursery to plantation site (including loading & unloading) Rs. 0.14 MD per 100 per seedling and MS Rs 1.00 per seedlings.	1.05	367.50	750.00	1117.50	21.00	7350.00	15000.00	22350.00
4	Plantation of agave suckers in 3 rows on TCM (306 suckers/1ec @ Rs 500 per Kg)	1.00	350.00	918.00	1268.00	20.00	7000.00	18360.00	25360.00
	Planting of 625 of seedlings	9.38	3283.00		3283.00	187.60	65660.00	0.00	65660.00
8	3 weedings and two soil workings 3.5 MD per 100 seedlings fertilizers application Rs 0.45 per seedling)	42.00	14700.00	472.50	15172.50	840.00	294000.00	9450.00	303450.00
9	Casualty replacement (20% 125 seedling per ha) (2 MD per 100 seedlings)	2.50	875.00	0.00	875.00	50.00	17500.00	0.00	17500.00
10	Part Nursery Cost for casualty replacement in SYO.(125 seedlings per ha.) wagesRs. 8.80 and material supply RS 1.76 total Rs 10.56 per seedling	4.38	1533.00	220.00	1753.00	87.60	30660.00	4400.00	35060.00
11	Watch and ward (10 months) 1 watcher per 10 ha	30.00	10500.00	0.00	10500.00	600.00	210000.00	0.00	210000.00
12	Fire tracing	2.00	700.00	0.00	700.00	40.00	14000.00	0.00	14000.00
	Total	109.26	38241.00	3290.50	41531.50	2185.20	764820.00	65810.00	830630.00
	Contingency 3%		0.00	1245.95	1245.95		0.00	24918.90	24918.90
	Labour Welfare 4%		0.00	1661.26	1661.26		0.00	33225.20	33225.20
	Grand Total	109.26	38241.00	6197.71	44438.71	2185.20	764820.00	123954.10	888774.10

C. Second Year Operation

1	Part Nursery cost for seedlings for casualty replacement (125 seedlings per ha)	1.10	385.00	55.00	440.00	22.00	7700.00	1100.00	8800.00
2	Transportation of 125 seedlings for casualty replacement from nursery to plantation site (including loading & unloading) Wages 0.14 M.D& MS Rs 1 per 100 seedlings.	0.18	63.00	125.00	188.00	3.60	1260.00	2500.00	3760.00
3	Planting for Casualty replacement (125 seedling per ha) (2 M.D per 100 seedlings)	2.50	875.00	0.00	875.00	50.00	17500.00	0.00	17500.00
4	2 weeding and 1 soil working, with fertilizer application at Rs. 0.45 per seedling	26.50	9275.00	500.00	9775.00	530.00	185500.00	10000.00	195500.00
6	Fire tracing	2.00	700.00	0.00	700.00	40.00	14000.00	0.00	14000.00
	Total	32.28	11298.00	680.00	11978.00	645.60	225960.00	13600.00	239560.00
	Contingency 3%		0.00	359.34	359.34		0.00	7186.80	7186.80
	Labour Welfare 4%		0.00	479.12	479.12		0.00	9582.40	9582.40
	Grand Total	32.28	11298.00	1518.46	12816.46	645.60	225960.00	30369.20	256329.20

D. Third Year Operations

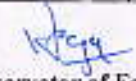
	Singling of Copies cut back operation debudding climber	10.00	3500.00	0.00	3500.00	200.00	7000.00	0	7000.00
1	One weeding, 1 soil working (1.50MD per 100 seedlings)	6.25	2187.50	0.00	2187.50	125.00	43750.00	0.00	43750.00
2	Collection and sowing of seed of valuable species	1.00	350.00	0.00	350.00	20.00	7000.00		7000.00
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	12775.00	0.00	12775.00	730.00	255500.00	0.00	255500.00
3	Fire trenching	2.00	700.00	0.00	700.00	40.00	14000.00	0.00	14000.00
	Total	55.75	19512.50	0.00	19512.50	1115.00	390250.00	0.00	390250.00
	Contingency 3%		0.00	585.38	585.38		0.00	11707.50	11707.50
	Labour Welfare 4%		0.00	780.50	780.50		0.00	15610.00	15610.00
	Grand Total	55.75	19512.50	1365.88	20878.38	1115.00	390250.00	27317.50	417567.50

E. Fourth Year Operations

1	Fire trenching	2.00	700.00	0.00	700.00	40.00	14000.00	0.00	14000.00
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	12775.00	0.00	12775.00	730.00	255500.00	0.00	255500.00
	Total	38.50	13475.00	0.00	13475.00	770.00	269500.00	0.00	269500.00
	Contingency 3%		0.00	404.25	404.25		0.00	8085.00	8085.00
	Labour Welfare 4%		0.00	539.00	539.00		0.00	10780.00	10780.00
	Grand Total	38.50	13475.00	943.25	14418.25	770.00	269500.00	18865.00	288365.00

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F. Fifth Year Operations									
1	Fire trenching	2.00	700.00	0.00	700.00	40.00	14000.00	0.00	14000.00
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	12775.00	0.00	12775.00	730.00	255500.00	0.00	255500.00
	Total	38.50	13475.00	0.00	13475.00	770.00	269500.00	0.00	269500.00
	Contingency 3%		0.00	404.25	404.25		0.00	8085.00	8085.00
	Labour Welfare 4%		0.00	539.00	539.00		0.00	10780.00	10780.00
	Grand Total	38.50	13475.00	943.25	14418.25	770.00	269500.00	18865.00	288365.00
G. Sixth Year Operations.									
1	Fire trenching	2.00	700.00	0.00	700.00	40.00	14000.00	0.00	14000.00
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	12775.00	0.00	12775.00	730.00	255500.00	0.00	255500.00
	Total	38.50	13475.00	0.00	13475.00	770.00	269500.00	0.00	269500.00
	Contingency 3%		0.00	404.25	404.25		0.00	8085.00	8085.00
	Labour Welfare 4%		0.00	539.00	539.00		0.00	10780.00	10780.00
	Grand Total	38.50	13475.00	943.25	14418.25	770.00	269500.00	18865.00	288365.00
H. Seventh Year Operations									
1	Fire trenching	2.00	700.00	0.00	700.00	40.00	14000.00	0.00	14000.00
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	12775.00	0.00	12775.00	730.00	255500.00	0.00	255500.00
	Total	38.50	13475.00	0.00	13475.00	770.00	269500.00	0.00	269500.00
	Contingency 3%		0.00	404.25	404.25		0.00	8085.00	8085.00
	Labour Welfare 4%		0.00	539.00	539.00		0.00	10780.00	10780.00
	Grand Total	38.50	13475.00	943.25	14418.25	770.00	269500.00	18865.00	288365.00


 Dy. Conservator of Forests,
 Wardha Division

Esttimate

Spacement - 4.00m x4.00m
Size of pits - 0.45 x 0.45 x 0.45 m
No. of seedlings - 625 per ha.

Wage Rate
Rs. 350.00
per day

Sr. No.	Particulars of works	Expenditure per ha.				Expenditure for 20 ha.			
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total (Rs. Per Ha.)
A. Pre Monsoon Works (PPO/PYO)									
1	a. Survey and demarcation	1.00	350.00	50.00	400.00	40.0000	14000.00	2000.00	16000.00
	b. Preparation of treatment map (100 m 50 m grid)	1.00	350.00	50.00	400.00	40.0000	14000.00	2000.00	16000.00
	c. Clearing of bushes and preparation of site (As per requirement)	10.00	3500.00	50.00	3550.00	400.0000	140000.00	2000.00	142000.00
2	Soil and moisture conservation works includidng collection of rubbles from area upto 30 m etc.	31.00	10850.00	0.00	10850.00	1240.0000	434000.00	0.00	434000.00
5	Providing Chain link fencing around plantation area 102 rmt / ha Rs 2100/- per mtr	170.00	59500.00	171496.00	230996.00	6800.0000	2380000.00	6859840.00	9239840.00
6	Alignment of pits at 4.0 x 4.0 m spacemnt 625 pits per ha (Wages 0.13 M.D and MS. Rs. 2.24 per 50 pits)	1.62	567.00	28.00	595.00	64.8000	22680.00	1120.00	23800.00
7	Digging of pits of 0.60x0.60x0.60 m size 625 pits per ha (6.60 M.D. per 100 pits)	207.88	72758.00	0.00	72758.00	8315.2000	2910320.00	0.00	2910320.00
	Total	422.50	147875.00	171674.00	319549.00	16900.00	5915000.00	6866960.00	12781960.00
	Contingency 3%			9586.47	9586.47			383458.80	383458.80
	Labour Welfare 4%			12781.96	12781.96			511278.40	511278.40
	Grand Total	422.50	147875.00	194042.43	341917.43	16900.00	5915000.00	7761697.20	13676697.20

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B. First Year Operation									
1	Purchases of selected seedling 687 seedling / ha (50% fruit bearing species Rs 50/- per seedling)	0.00	0.00	34350.00	34350.00	0.00	0.00	687000.00	687000.00
2	Refiling of pits with good quality soil a) 1.66 MD per 100 pits b) 20% soil replacement , 20 cum per ha Rs 300 per cum c) Filling 5% farm yard manure in pits 5cum per ha Rs.700 per cum	31.25	10937.50	21600.00	32537.50	625.00	218750.00	432000.00	650750.00
3	Transportation of 750 of seedlings from nursery to plantation site (including loading & unloading) Rs. 0.14 MD per 100 per seedling and MS Rs 1.00 per seedlings.	12.49	4371.50	3747.00	8118.50	249.80	87430.00	74940.00	162370.00
4	Planting of 625 of seedlings	25.13	8795.50		8795.50	502.60	175910.00	0.00	175910.00
7	Casualty replacement (20% 125 seedling per ha) (2 M.D per 100 seedlings)	1.26	441.00	0.00	441.00	25.20	8820.00	0.00	8820.00
8	3 weeding and two soil workings 3.5 MD per 100 seedlings fertilizers application Rs 0.45 per seedling)	42.50	14875.00	472.50	15347.50	850.00	297500.00	9450.00	306950.00
	watering the plants 4 times from oct to March (20 ltr /100 plants	30.88	10808.00	0.00	10808.00	617.60	216160.00	0.00	216160.00
10	Water Supply to plantation site by tanker	0.00	0.00	10000.00	10000.00	0.00	0.00	200000.00	200000.00
11	Watch and ward (10 months) 1 watcher per 10 ha	30.00	10500.00	0.00	10500.00	600.00	210000.00	0.00	210000.00
	Fire Tressing Work	2.00	700.00	0.00	700.00	40.00	14000.00	0.00	14000.00
	Total	175.51	61428.50	70169.50	131598.00	3510.20	1228570.00	1403390.00	2631960.00
	Contingency 3%		0.00	3947.94	3947.94		0.00	78958.80	78958.80
	Labour Welfare 4%		0.00	5263.92	5263.92		0.00	105278.40	105278.40
	Grand Total	175.51	61428.50	79381.36	140809.86	3510.20	1228570.00	1587627.20	2816197.20

C. Second Year Operation

4	3 weeding and 1 soil working, with fertilizer application at Rs. 0.45 per seedling	42.50	14875.00	281.00	15156.00	1700.00	595000.00	5620.00	600620.00
	watering the plants 5 times from oct to March (20 ltr /100 plants	38.50	13475.00	0.00	13475.00	1540.00	539000.00		539000.00
	Water Supply to plantation site by tanker	0.00	0.00	10000.00	10000.00	0.00	0.00		0.00
6	Fire tracing	2.00	700.00	0.00	700.00	40.00	14000.00	0.00	14000.00
	Total	83.00	29050.00	10281.00	39331.00	3280.00	1148000.00	5620.00	1153620.00
	Contingency 3%		0.00	1179.93	1179.93		0.00	34608.60	34608.60
	Labour Welfare 4%		0.00	1573.24	1573.24		0.00	46144.80	46144.80
	Grand Total	83.00	29050.00	13034.17	42084.17	3280.00	1148000.00	86373.40	1234373.40

D. Third Year Operations

1	3 weeding, 1 soil working (1.50MD per 100 seedlings)	42.50	14875.00	0.00	14875.00	1700.00	595000.00	0.00	595000.00
	watering the plants 5 times from oct to March (20 ltr /100 plants	15.38	5383.00	0.00	5383.00	615.20	215320.00	0.00	215320.00
	Water Supply to plantation site by tanker	0.00	0.00	10000.00	10000.00	0.00	0.00	4620400.00	4620400.00
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	12775.00	0.00	12775.00	730.00	255500.00	0.00	255500.00
3	Fire trenching	2.00	700.00	0.00	700.00	40.00	14000.00	0.00	14000.00
	Total	96.38	33733.00	10000.00	43733.00	3085.20	1079820.00	4620400.00	5700220.00
	Contingency 3%		0.00	1311.99	1311.99		0.00	171006.60	171006.60
	Labour Welfare 4%		0.00	1749.32	1749.32		0.00	228008.80	228008.80
	Grand Total	96.38	33733.00	13061.31	46794.31	3085.20	1079820.00	5019415.40	6099235.40

E. Fourth Year Operations

1	Fire trenching	2.00	700.00	0.00	700.00	80.00	28000.00	0.00	28000.00
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	12775.00	0.00	12775.00	1460.00	511000.00	0.00	511000.00
	Total	38.50	13475.00	0.00	13475.00	1540.00	539000.00	0.00	539000.00
	Contingency 3%		0.00	404.25	404.25		0.00	16170.00	16170.00
	Labour Welfare 4%		0.00	539.00	539.00		0.00	21560.00	21560.00
	Grand Total	38.50	13475.00	943.25	14418.25	1540.00	539000.00	37730.00	576730.00

F. Fifth Year Operations

1	Fire trenching	2.00	700.00	0.00	700.00	80.00	28000.00	0.00	28000.00
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	12775.00	0.00	12775.00	1460.00	511000.00	0.00	511000.00
	Total	38.50	13475.00	0.00	13475.00	1540.00	539000.00	0.00	539000.00
	Contingency 3%		0.00	404.25	404.25		0.00	16170.00	16170.00
	Labour Welfare 4%		0.00	539.00	539.00		0.00	21560.00	21560.00
	Grand Total	38.50	13475.00	943.25	14418.25	1540.00	539000.00	37730.00	576730.00

G. Sixth Year Operations.

1	Fire trenching	2.00	700.00	0.00	700.00	80.00	28000.00	0.00	28000.00
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	12775.00	0.00	12775.00	1460.00	511000.00	0.00	511000.00
	Total	38.50	13475.00	0.00	13475.00	1540.00	539000.00	0.00	539000.00
	Contingency 3%		0.00	404.25	404.25		0.00	16170.00	16170.00
	Labour Welfare 4%		0.00	539.00	539.00		0.00	21560.00	21560.00
	Grand Total	38.50	13475.00	943.25	14418.25	1540.00	539000.00	37730.00	576730.00

H. Seventh Year Operations

1	Fire trenching	2.00	700.00	0.00	700.00	80.00	28000.00	0.00	28000.00
2	Watch and ward 12 months 1 watcher 10.00 ha	36.50	12775.00	0.00	12775.00	1460.00	511000.00	0.00	511000.00
	Total	38.50	13475.00	0.00	13475.00	1540.00	539000.00	0.00	539000.00
	Contingency 3%		0.00	404.25	404.25		0.00	16170.00	16170.00
	Labour Welfare 4%		0.00	539.00	539.00		0.00	21560.00	21560.00
	Grand Total	38.50	13475.00	943.25	14418.25	1540.00	539000.00	37730.00	576730.00


 Dy. Conservator of Forests,
 Nagpur Division Nagpur

Wardha Forest Division

Model No. 5

Model rate structure for plantation of intensive irrigated plantation on degraded areas with 18 month old seedlings (valuntarily accepted by user agency) Undertaking of the user agency is mandatory)

Detailed scheme for creation and maintenance of plantation against the proposal of diversion of Forest land for the purpose of Development of proposed international Standard Zoo on Forest land under possession of FDCM at Gorewada Project, Tal. Nagpur Dist Nagpur.

Compensatory Afforestation Site (Zudpi Jungle) in Wardha District/Wardha Division :-

Ser No.	Taluka	Range	Round	Beat	Name of Village	Survey No.	Total area as per 7/12 (In ha.)	Area suitable for CA (In ha.)	Remarks
	Ashti	Ashti			Ismailpur	38	21.16	20.00	
						27	22.22	20.00	
Total							43.38	40.00	

[Signature]
Dy. Conservator of Forests,
Wardha Division Wardha

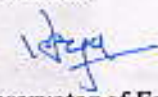
9071

Abstract for Model No. 5

Sr. No.	Year of operation	Man days	Wages	Material supply	Total	Man days	Wages	Material supply	Total
1	Pre Monsoon works	422.50	147875.00	171674.00	319549.00	16900.00	5915000.00	6866960.00	12781960.00
2	First Year Operations	175.51	61428.50	70169.50	131598.00	7020.40	2457140.00	2806780.00	5263920.00
3	Second Year Operations	83.00	29050.00	10281.00	39331.00	3320.00	1162000.00	411240.00	1573240.00
4	Third Year Operations	96.38	33733.00	10000.00	43733.00	3855.20	1349320.00	400000.00	1749320.00
5	Fourth Year Operations	38.50	13475.00	0.00	13475.00	1540.00	539000.00	0.00	539000.00
6	Fifth Year Operations	38.50	13475.00	0.00	13475.00	1540.00	539000.00	0.00	539000.00
7	Sixth Year Operations	38.50	13475.00	0.00	13475.00	1540.00	539000.00	0.00	539000.00
8	Seventh Year Operations	38.50	13475.00	0.00	13475.00	1540.00	539000.00	0.00	539000.00
	Total (A)	931.39	325986.50	262124.50	588111.00	37255.60	13039460.00	10484980	23524440
10	Contingency 3%		0	17643.33	17643.33		0	705733.20	705733.20
11	Labour Welfare 4%		0	23524.44	23524.44		0	940977.60	940977.60
	Total (B)			41167.77	41167.77			1646710.80	1646710.80
	Grand Total (A) + (B)		325986.50	303292.27	629278.77		13039460.00	12131690.80	25171150.80

Not 1. The rates indicated are as per item No. 3 of Government of Maharashtra resolution No. MREGS-2011/E.No. 85/EGS-I, Planning department, EGS division dt. 03/11. e monsoon works and item No. 2 of FYO Are as per Model No. 7.

2. Rubble bund of size bottom width 1.00m top width 0.60 m and height 1.00 m should be constructed wherever digging of TCM is not possible.


Dy. Conservator of Forests,
Nagpur Division Wardha