

Abstract For Model No.1

Model Rate structure for plantation of tree species in areas having rainfall above 1200 mm, good quality, well drained soil with depth above 30 cm

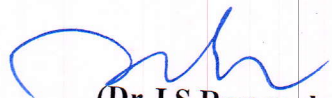
Name of Proposal- Diversion of 141.99 ha of forest land for construction of Ash Utilization Promotion and Research Park at Village Kachewani & Mendipur Tah- Tiroda Dist- Gondia

Compensatory Afforestation Scheme for degraded forest land (Zudpi Jungle) No.82 of village Sirpur, Gut No.156 of village Polatola, Gut Nos.336/1, 356 of Village Rajegaon, Gut Nos. 84,37 of village Hiwara , Gut Nos.618,678,679 of Village Shivani, Gut Nos.333 of Village Pandharabodi, Gut Nos.88,117 of Village Jabbartola, Gut Nos.106/1,216/4 of Village Bijaitola, Gut Nos.943,882/1,322 of Village Chulod & Gut Nos.709/1,731,713,121 of Village Datora Tal. Gondia District Gondia for seven years period for land admeasuring 141.99 ha proposed for Compensatory Afforestation

Name of Species to be planted- Teak, Bija,Saja.Dhawada, Bamboo & other mixed etc
Wages Rate-Rs. 315.71

Area (ha) 141.9900
(Amount in Rupees)

Sr. No.	Year of operation	Man Days	Wages	Material Supply	Total	Other expenses	Total	Total amount (rounded off)	Total amount in Rs. for 141.99 ha
1	Pre Monsoon work	403.89	127512.11	5907	133419.11	9339.33	142758.44	142758	20270190
2	First Year operation	248.19	78356.06	7637	85993.06	9978.51	95971.57	95972	13627064
3	Second Year operation	116.08	36647.62	1845	38492.62	2694.48	41187.10	41187	5848156
4	Third Year operation	76	23993.96	0	23993.96	1679.58	25673.54	25674	3645386
5	Fourth Year operation	38.5	12154.84	0	12154.84	850.84	13005.675	13006	1846676
6	Fifty Year operation	38.5	12154.84	0	12154.84	850.84	13005.675	13006	1846676
7	Sixth Year operation	38.5	12154.84	0	12154.84	850.84	13005.675	13006	1846676
8	Seventh Year operation	38.5	12154.84	0	12154.84	850.84	13005.675	13006	1846676
Total		998.16	315129.09	15389	330518.09	27095.26	357613.35	357613	50777500


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MODEL RATE STRUCTURE FOR COMPENSATORY AFFORESTATION

MODEL NO. 1

Model Rate structure for plantation of tree species in areas having rainfall above 1200 mm, good quality, well drained soil with depth above 30 cm

Spacement - 2 m X 2 m

Wage Rate- per day

Size of Pits- 0.45m X 0.45m X 0.45m

Wages (Rs)-

315.71

No. of Seedlings- 2500 per ha

Area (ha)-

141.9900

Amount in (Rs.)

Sr.No	Particulars of Works	Man days	Wages	Material Supply	Total (Rs. Per ha)	Total for 141.99 ha
A. Pre Monsoon Works PPO/PYO						
1	2	3	4	5	6	7
1	a. Survey and demarcation	1.00	315.71	50.00	365.71	51927.16
	b. Preparation of treatment map (100 m X 50 m grid)	1.00	315.71	50.00	365.71	51927.16
	c. Clearing of bushes and preparation of site (As per requirement)	10.00	3157.10	50.00	3207.10	455376.13
2	Soil and moisture conservation works including collection of rubbles from areas upto 30 m etc	31.00	9787.01	0.00	9787.01	1389657.55
3	Digging of Trench cum mound (TCM) of size 1..90 X 0.60 X 1.00 m along the periphery of plantation area including spreadingg/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	26068.175	50.00	26118.17	3708519.63
4	Alignment of pits at 2m X 2 m spacement. 2500 pits per ha (0.13 M.D. per 50 pits) M & S @ Rs. 2.24 per 50 pits.	6.50	2052.115	112.00	2164.12	307282.69
5	Digging of pits of size 0.45 X 0.45 X 0.45m (2500 pits per ha) 6.60 M.D. per 100 pits	165.00	52092.15	0.00	52092.15	7396564.38
6	Part Nursery cost for raising 3000 seedlings per ha (including 20 % casualty replacement) in polybag of size 12.50 X 25.00 cm (Wages Rs. 8.80 and M & S Rs. 1.76 per plant)	105.14	33193.749	5280.00	38473.75	5462887.68
7	Cost of agave suckers (420 perha) Rs. 25 per 100 suckers (or cost of prosopis, chilar etc seed for sowing on CCT)	1.68	530.3928	315.00	845.39	120037.32
Total		403.89	127512.11	5907.00	133419.11	18944179.70
Contingency 3 %				4002.57	4002.57	568325.39
Labour Welfare 4 %				5336.76	5336.76	757767.19
Grand Total		403.89	127512.11	15246.34	142758.45	20270272.28

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B. FIRST YEAR OPERATIONS

Sr.No	Particulars of Works	Man days	Wages	Material Supply	Wages (Rs) Area(ha)	315.71 141.9900
					Total (Rs) Per ha)	Total for 141.99 ha
1	2	3	4	5	6	7
1	Part Nursery cost for maintenance of 3000 seedling per ha Rs. 2.64 per seedling (Wages Rs. 2.20, M & S Rs. 0.44)	26.29	8300.02	1320.00	9620.02	1365946.06
2	Refilling of pits by good quality soil including application of single super phosphate (1.66 MD per 100 pits)	41.50	13101.97	1200.00	14301.97	2030736.01
3	Transport of seedlings from nursery to plantation site(including loading & unloading) Rs. 1.00 per seedling Wages 0.14 md per 100 seedlings	4.20	1325.98	3000.00	4325.98	614246.18
4	Digging and trasportation of agave suckers from nursery to plantation site and planting	1.68	530.39	112.00	642.39	91213.35
5	Digging of pits of size 0.45 X 0.45 X 0.45m (2500 pits per ha) 6.60 M.D. per 100 pits	27.50	8682.03	0.00	8682.03	1232760.73
6	Casualty replacement (20 % 500 seddling per ha) (2 M.D. per 100 seedlings)	10.00	3157.10	0.00	3157.10	448276.63
7	3 weedlings and 2 soil workings (3.50 M.D per 100 seedlings) fertilizer application Rs. 0.45 per seedling	87.50	27624.63	1125.00	28749.63	4082159.25
8	Watch and ward (10 months -1 watcher per 10 ha)	30.00	9471.3	0.00	9471.30	1344829.89
9	Fire tracing	2.00	631.42	0.00	631.42	89655.33
10	Part Nursery cost for casulty replacement in SYO (500 seedlings per ha) (Wages Rs. 8.80 and Material supply Rs. 1.76 total Rs. 10.56 per seedling)	17.52	5531.2392	880.00	6411.24	910331.85
11	Special technical works				3700.00	525363.00
Total		248.19	78356.06	7637.00	89693.06	12735518.29
Contingency 3 %				2690.79	2690.79	382065.55
Labour Welfare 4 %				3587.72	3587.72	509420.73
Grand Total		248.19	78356.06	13915.51	95971.58	13627004.57

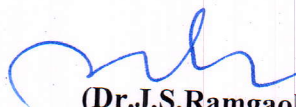
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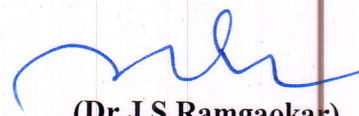
C. SECOND YEAR OPERATIONS

Sr.No	Particulars of Works	Man days	Wages	Material Supply	Wages (Rs)	315.71
					Area(ha)	141.9900
1	2	3	4	5	Total (Rs. Per ha)	Total for 141.99 ha
					6	7
1	Part Nursery cost for seedlings for casualty replacement (500 seedlings per ha)	4.38	1382.81	220.00	1602.81	227582.96
2	Transportation of seedlings for casualty replacement from nursery to plantation site (including loading & unloading) wages 0.14 M.D. per Rs. 1.00 Per 100 seedling.	0.70	221.00	500.00	721.00	102374.36
3	Casualty replacement (500 seedling per ha) (2 M.D. per 100 seedlings)	10.00	3157.10	0.00	3157.10	448276.63
4	2 weedlings and 1 soil workings with fertilizer application at Rs. 0.45 per seedling	62.50	19731.88	1125.00	20856.88	2961467.68
5	Fire tracing	2.00	631.42	0.00	631.42	89655.33
6	Watch and ward 12 months -1 watcher per 10 ha)	36.50	11523.415	0.00	11523.42	1636209.70
Total		116.08	36647.62	1845.00	38492.62	5465566.66
Contingency 3 %				1154.78	1154.78	163967.00
Labour Welfare 4 %				1539.70	1539.70	218622.67
Grand Total		116.08	36647.62	4539.48	41187.10	5848156.33


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D. THIRD YEAR OPERATIONS

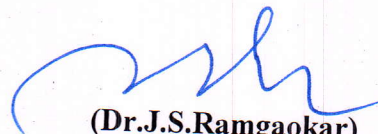
					Wages (Rs)	315.71
					Area(ha)	141.9900
Sr.No	Particulars of Works	Man days	Wages	Material Supply	Total (Rs. Per ha)	Total for 141.99ha
1	2	3	4	5	6	7
1	1 weedlings and 1 soil workings (1.50 M.D. per 100 seedlings)	37.50	11839.13	0.00	11839.13	1681037.36
2	Fire tracing	2.00	631.42	0.00	631.42	89655.33
3	Watch and ward 12 months -1 watcher per 10 ha)	36.50	11523.415	0.00	11523.42	1636209.70
Total		76.00	23993.96	0.00	23993.96	3406902.38
Contingency 3 %				719.82	719.82	102207.07
Labour Welfare 4 %				959.76	959.76	136276.10
Grand Total		76.00	23993.96	1679.58	25673.54	3645385.55



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E. FOURTH YEAR OPERATIONS

					Wages (Rs)	315.71
					Area(ha)	141.9900
Sr.No	Particulars of Works	Man days	Wages	Material Supply	Total (Rs. Per ha)	Total for 141.99 ha
1	2	3	4	5	6	7
1	Fire tracing	2.00	631.42	0.00	631.42	89655.3258
2	Watch and ward 12 months -1 watcher per 10 ha)	36.50	11523.415	0.00	11523.42	1636209.70
Total		38.50	12154.84	0.00	12154.84	1725865.022
Contingency 3 %				364.65	364.65	51775.95
Labour Welfare 4 %				486.19	486.19	69034.60
Grand Total		38.50	12154.84	850.84	13005.67	1846675.57



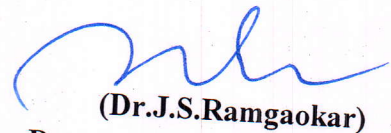
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F. FIFTH YEAR OPERATIONS

Sr.No	Particulars of Works	Man days	Wages	Material Supply	Wages (Rs) Area(ha)	315.71 141.9900
					Total (Rs. Per ha)	Total for 141.99
1	2	3	4	5	6	7
1	Fire tracing	2.00	631.42	0.00	631.42	89655.33
2	Watch and ward 12 months -1 watcher per 10 ha)	36.50	11523.415	0.00	11523.42	1636209.70
Total		38.50	12154.84	0.00	12154.84	1725865.02
Contingency 3 %				364.65	364.65	51775.95
Labour Welfare 4 %				486.19	486.19	69034.60
Grand Total		38.50	12154.84	850.84	13005.67	1846675.57



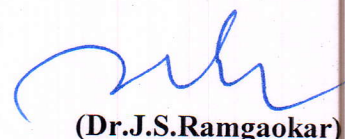
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254

G. SIXTH YEAR OPERATIONS

					Wages (Rs)	315.71
					Area(ha)	141.9900
Sr.No	Particulars of Works	Man days	Wages	Material Supply	Total (Rs. Per ha)	Total for 141.99ha
1	2	3	4	5	6	7
1	Fire tracing	2.00	631.42	0.00	631.42	89655.33
2	Watch and ward 12 months -1 watcher per 10 ha)	36.50	11523.415	0.00	11523.42	1636209.70
Total		38.50	12154.84	0.00	12154.84	1725865.02
Contingency 3 %				364.65	364.65	51775.95
Labour Welfare 4 %				486.19	486.19	69034.60
Grand Total		38.50	12154.84	850.84	13005.67	1846675.57



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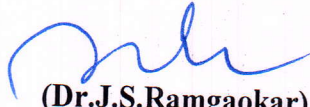
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H. SEVENTH YEAR OPERATIONS

						Wages (Rs)	315.71
						Area(ha)	141.9900
Sr.No	Particulars of Works	Man days	Wages	Material Supply	Total (Rs. Per ha)	Total for 141.99ha	
1	2	3	4	5	6	7	
1	Fire tracing	2.00	631.42	0.00	631.42	89655.33	
2	Watch and ward 12 months -1 watcher per 10 ha)	36.50	11523.42	0.00	11523.42	1636209.70	
Total		38.50	12154.84	0.00	12154.84	1725865.02	
Contingency 3 %				364.65	364.65	51775.95	
Labour Welfare 4 %				486.19	486.19	69034.60	
Grand Total		38.50	12154.84	850.84	13005.67	1846675.57	



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