

Model No.5.

Model rate structure for plantation of mixed tree species having rainfall less than 800 mm and medium quality, medium drained soil.

- 3m x 3m
- 0.45 x 0.45 x 0.45m
- 1111 per ha

wage rate	<u>Wage</u> Rs.339.61 per day
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	Grand Total	0	5079.82	5079.82					3810.945
C. Second Year Operations	192.65	65425.87	61569.64	135885.19					5081.2604
					192.65	65461.87	61569.64		135923.715

Part nursery cost for seedlings for causality replacement (222 seedlings per ha) labour rate @ Rs.3.77 and M.S. Rs.1.82 per seedlings.		2.46	835.44	404	1239.44	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1 casualty replacement 20%	2.46	835.44	404	1239.44
2	Transportation of 222 seedlings for causality replacement from nursery to plantation site (including loading and unloading) wages 0.14 M.D Per 100 Seedling & M.S. Rs.1.82 per seedlings	0.31	105.28	404.04	509.32	Item No. 2 20% instead of 10%	0.31	105.28	404	509.28
3	Planting for causality replacement 222 seedlings (2.00 M.D. per 100 seedlings)	4.44	1507.87	0	1507.87	Item No. 3 20% instead of 10%	4.44	1507.87	0	1507.87
4	2 seedlings and 1 soil working, with fertilizer application 2.5 M.D. per 100 seedlings at M.S. Rs. 0.82 per seedling	27.77	9430.97	911.02	10341.99	Item No. 4	27.77	9430.97	911.02	10341.99
5	Watering 1111 seedlings in November, December, January and June 1 time each and in February to May 2 times each total 12 times 5 litre per seedlings, replacing 10% plastic can / matka @Rs.25/- each replacing 111 cans / matka, supplying water @Rs.0.50/- per litre and watering 150 seedlings per M.D.	88.88	30184.54	36105	66289.54	Item No. 5	88.88	30184.54	36105	66289.54
6	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	12395.77	0	12395.77	Item No. 6	36.5	12395.77	0	12395.77
7	Fire tracing	2	679.22	0	679.22	Item No. 8	2	679.22	0	679.22
Total		162.36	55139.08	37824.06	92963.14		162.36	55139.09	37824.02	92963.11
Contingency 3%			0	2788.89	2788.89					2788.8933
Labour Welfare 4%			0	3718.53	3718.53					3718.5244
Grand Total		162.36	55139.08	37824.06	99470.56		162.36	55139.09	37824.02	99470.5277
D. Third Year Operations										
1	1 weeding and 1 soil working (1.50 M.D per 100 seedlings) applying fertilizer @ Rs.0.82 per plant.	16.67	5661.3	911.02	6572.32	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1	16.67	5661.3	911.02	6572.32
2	Watering 556 seedlings in November, December, January and June 1 time each and February to May 2 times each total 12 times per seedlings 5 litre, water supply @Rs.0.50/- litre and watering 150 seedlings per M.D.	44.48	15105.85	16680	31785.85	Item No. 2	44.48	15105.85	16680	31785.85
3	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	12395.77	0	12395.77	Item No. 3	36.5	12395.77	0	12395.77
4	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	679.22	25	704.22	Item No. 5	2	679.22	25	704.22
5	Fire tracing	2	679.22	0	679.22	Item No. 6	2	679.22	0	679.22
Total		101.65	34521.36	17616.02	52137.38		101.65	34521.36	17616.02	52137.38
Contingency 3%			0	1564.12	1564.12					1564.1214
Labour Welfare 4%			0	2085.5	2085.5					2085.4952
Grand Total		101.65	34521.36	17616.02	55787		101.65	34521.36	17616.02	55786.9966
E. Fourth Year Operations										
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	12395.77	0	12395.77	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1	36.5	12395.77	0	12395.77
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	679.22	25	704.22	Item No. 2	2	679.22	25	704.22
3	Fire tracing	2	679.22	0	679.22	Item No. 3	2	679.22	0	679.22
Total		40.5	13754.21	25	13779.21		40.5	13754.21	25	13779.21
Contingency 3%			0	413.38	413.38					413.3763
Labour Welfare 4%			0	551.17	551.17					551.1684
Grand Total		40.5	13754.21	25	14743.75		40.5	13754.21	25	14743.7547
F. Fifth Year Operations										
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	12395.77	0	12395.77	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1	36.5	12395.77	0	12395.77
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	679.22	25	704.22	Item No. 2	2	679.22	25	704.22
3	Fire tracing	2	679.22	0	679.22	Item No. 3	2	679.22	0	679.22
Total		40.5	13754.21	25	13779.21		40.5	13754.21	25	13779.21
Contingency 3%			0	413.38	413.38					413.3763
Labour Welfare 4%			0	551.17	551.17					551.1684
Grand Total		40.5	13754.21	25	14743.75		40.5	13754.21	25	14743.7547
G. Sixth Year Operations										
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	12395.77	0	12395.77	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1	36.5	12395.77	0	12395.77
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	679.22	25	704.22	Item No. 2	2	679.22	25	704.22
3	Fire tracing	2	679.22	0	679.22	Item No. 3	2	679.22	0	679.22
Total		40.5	13754.21	25	13779.21		40.5	13754.21	25	13779.21
Contingency 3%			0	413.38	413.38					413.3763
Labour Welfare 4%			0	551.17	551.17					551.1684
Grand Total		40.5	13754.21	25	14743.75		40.5	13754.21	25	14743.7547
H. Seventh Year Operations										
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	12395.77	0	12395.77	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1	36.5	12395.77	0	12395.77
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	679.22	25	704.22	Item No. 2	2	679.22	25	704.22
3	Fire tracing	2	679.22	0	679.22	Item No. 3	2	679.22	0	679.22
Total		40.5	13754.21	25	13779.21		40.5	13754.21	25	13779.21
Contingency 3%			0	413.38	413.38					413.3763
Labour Welfare 4%			0	551.17	551.17					551.1684
Grand Total		40.5	13754.21	25	14743.75		40.5	13754.21	25	14743.7547
I. Eighth Year Operations										
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	12395.77	0	12395.77	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1	36.5	12395.77	0	12395.77
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	679.22	25	704.22	Item No. 2	2	679.22	25	704.22

3	Fire tracing	2	679.22	0	679.22	Item No. 3	2	679.22	0	679.22
	Total	40.5	13754.21	25	13779.21		40.5	13754.21	25	13779.21
	Contingency 3%		0	413.38	413.38					413.3763
	Labour Welfare 4%		0	551.17	551.17					551.1684
	Grand Total	40.5	13754.21	25	14743.75		40.5	13754.21	25	14743.7547
J. Ninth Year Operations										
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	12395.77	0	12395.77	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1	36.5	12395.77	0	12395.77
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	679.22	25	704.22	Item No. 2	2	679.22	25	704.22
3	Fire tracing	2	679.22	0	679.22	Item No. 3	2	679.22	0	679.22
	Total	40.5	13754.21	25	13779.21		40.5	13754.21	25	13779.21
	Contingency 3%		0	413.38	413.38					413.3763
	Labour Welfare 4%		0	551.17	551.17					551.1684
	Grand Total	40.5	13754.21	25	14743.75		40.5	13754.21	25	14743.7547
K. Tenth Year Operations										
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	12395.77	0	12395.77	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1	36.5	12395.77	0	12395.77
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	679.22	25	704.22	Item No. 2	2	679.22	25	704.22
3	Fire tracing	2	679.22	0	679.22	Item No. 3	2	679.22	0	679.22
	Total	40.5	13754.21	25	13779.21		40.5	13754.21	25	13779.21
	Contingency 3%		0	413.38	413.38					413.3763
	Labour Welfare 4%		0	551.17	551.17					551.1684
	Grand Total	40.5	13754.21	25	14743.75		40.5	13754.21	25	14743.7547

Abstract for Model No.5

(Amount in Rupees)

S. N.	Year of operation	Man days	Wages	Material supply	Total	Other expenses	Total amount	Man days	Wages	Material supply	Total
For 1.00 ha.											
1	Pre Monsoon works	167.97	57044.29	193263.83	250308	17521.57	267829.69	167.97	57044.29	193263.83	267829.6884
2	First Year Operations	192.65	65425.87	61509.64	126996	8889.69	135885.19	192.65	65461.87	61569.64	135923.7157
3	Second Year Operations	162.36	55139.08	37824.06	92963	6507.42	99470.56	162.36	55139.09	37824.02	99470.5277
4	Third Year Operations	101.65	34521.36	17616.02	52137	3649.62	55787	101.65	34521.36	17616.02	55786.9566
5	Fourth Year Operations	40.5	13754.21	25	13779	964.54	14743.75	40.5	13754.21	25	14743.7547
6	Fifth Year Operations	40.5	13754.21	25	13779	964.54	14743.75	40.5	13754.21	25	14743.7547
7	Sixth Year Operations	40.5	13754.21	25	13779	964.54	14743.75	40.5	13754.21	25	14743.7547
8	Seventh Year Operations	40.5	13754.21	25	13779	964.54	14743.75	40.5	13754.21	25	14743.7547
9	Eighth Year Operations	40.5	13754.21	25	13779	964.54	14743.75	40.5	13754.21	25	14743.7547
10	Ninth Year Operations	40.5	13754.21	25	13779	964.54	14743.75	40.5	13754.21	25	14743.7547
11	Tenth Year Operations	40.5	13754.21	25	13779	964.54	14743.75	40.5	13754.21	25	14743.7547
	Total	908.13	308410.03	310448.58	618859	43320.1	662178.68	908.13	308446.08	310448.51	662217.2113

Cost per plant Rs.596.02

Note:-

1. Rates of chain linked fencing derived from SSR-2017-18 with addition for area difference and transportation lead.

2. Plantation M.D. and M.S. component derived from rate structure as approved by PCCF (HoFF) M.S. vide letter No.Desk-1/EGS/CR-110/2282/2017-18/Nagpur, Dated 07/03/2018.

Deputy Conservator of Forests,
Junnar Forest Division, Junnar