

Model Rate Structure for Compensatory Afforestation

Model No.5.

Fencing and Irrigated Plantations

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

Spacing - 3m x 3m
Size of Pits - 0.45 x 0.45 x 0.45m
- 1111 per ha
No. of Seedlings - 1111
Wage rate - Rs 377.5 per day

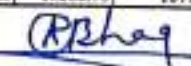
Sl.No	Particulars of works	Man days	Wages	Material supply	Total (Rs. per Ha.)	Sanction Letter Dt. / Model No. / Item No.	For	1.00	Man days	Wages	Material supply	Total (Rs. Per Ha.)
A. Pre Monsoon Works PPO/PVO												
1	(a) Survey and demarcation	1	377.5	91	468.5	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1a	1.00	377.50		91.00		468.50
	(b) Preparation of treatment map (100 m x 50 m grid)	1	377.5	91	468.5	Item No. 1b	1.00	377.50		91.00		468.50
	(c) Digging trial pits of size 0.30x0.30x0.60 in corner of Grid	0.4	151	0	151	Item No. 1c	0.40	151.00		0.00		151.00
	(d) Fixing 60cm x 0.05cm x12cm cement pillars upto 30cm deep in corner of Grid, painting with Grid No. etc complete (3 pillars, Rs.75/- for each pillar)	0	0	225	225	Item No. 1d	0.00	0.00		225.00		225.00
	(e) Clearing of bushes and preparation of site (As per requirement)	10	3775	91	3866	Item No. 1e	10.00	3775.00		91.00		3866.00
2	Soil and moisture conservation works including collection of rubbles from area upto 30 m etc	31	11702.5	0	11702.5	Item No. 2	31.00	11702.50		0.00		11702.50
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 transportation of ave. load plus 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 50mmx50mm, 8 gauge thick and fixed 75mm above ground level complete as per SSR	0	0	182865.6	182865.6	As per SSR rates 201718 Item No. 1744	0.00	0.00		182865.60		182865.60
4	Alignment of pits at 3m x 3m spacing	2.78	1049.45	49.77	1099.22	Item No. 4	2.78	1049.45		49.77		1099.22
5	Digging of pits of size 0.45 x 0.45 x 0.45 m (1111 pits per ha) 6.60 M.D. per 100 pits.Note - As per local conditions provision for mechanized digging can be made.	73.33	27682.075	0	27682.075	Item No. 5	73.33	27682.08		0.00		27682.08
6	Construction of 5.00 Rmt wide Inspection	1	377.5	0	377.5	Item No. 6	1.00	377.50		0.00		377.50
7	Enumeration of all valuable plant species at plantation site and grid wise counting and providing color band and recording the same in Register (0.75 M.D.) per 100 plants	0.75	283.125	25	308.125	Item No. 7	0.75	283.13		25.00		308.13
8	Providing and fixing (4 feet x 3 feet) information board each per site	0	0	5000	5000	Item No. 8	0.00	0.00		5000.00		5000.00
9	Part Nursery cost of raising 1333 seedlings per ha (including 20% casualty replacement) in polybags of size 12.50 x 25.00 cm (Wages Rs.11.90 and M & S Rs.3.62 per plant)	46.71	17633.025	4825.46	22458.485	Item No. 9 20% Casualty replacement in place of 10%	46.71	17633.03		4825.46		22458.49
Total		167.97	63408.675	193263.83	256672.51		167.97	63408.68		193263.83		256672.51
Contingency 3%			0	7700.1752	7700.1752			0.00		7700.18		7700.18
Labour Welfare 4%			0	10266.9	10266.9			0.00		10266.90		10266.90
Grand		167.97	63408.675	17967.875	274639.58		167.97	63408.68		17967.88		274639.58
B. First Year Operations												
1	Part Nursery cost for maintenance of 1333 seedling per ha Rs. 3.77 per seedling (Wages Rs.2.69, M & S Rs. 0.81)	14.8	5587	1079.73	6666.73	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1 casualty replacement 20%	14.80	5587.00		1079.73		6666.73
2	Refilling of pits by good quality soil including application of single super phosphate (1.66 M.D. per 100 pits)	18.44	6961.1	1944.25	8905.35	Item No. 2	18.44	6961.10		1944.25		8905.35
3	Transportation of 1333 seedlings from Nursery to plantation site including loading & unloading (0.14 M.D. per 100 seedlings & M.S. Rs.1.82 Per seedlings)	1.87	705.925	2426	3131.925	Item No. 3 10% Extra Plants to be transported	1.87	705.93		2426.00		3131.93
4	Planting of 1111 seedlings (1.0 M.D. per 100 seedlings)	11.11	4194.025	0	4194.025	Item No. 4	11.11	4194.03		0.00		4194.03
5	3 seedlings (1 Rmt circular) and 2 soil workings (4.00 M.D. per 100 seedlings) fertilizer application Rs.0.87 per seedling	44.44	16776.1	911.02	17687.12	Item No. 5	44.44	16776.10		911.02		17687.12

Model No.5.

ENCLOSURE WITH RESEARCH & CONSULTATION

Scanned with CamScanner

Grand Total		40.5	15288.75	1071.96	16385.71		40.5	15288.75	1071.96	16385.71
F. Fifth Year Operations										
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	13778.75	0	13778.75	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1	36.50	13778.75	0.00	13778.75
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	755	25	780	Item No. 2	2.00	755.00	25.00	780.00
3	Fire tracing	2	755	0	755	Item No. 3	2.00	755.00	0.00	755.00
Total		40.5	15288.75	25.00	15313.75		40.5	15288.75	25.00	15313.75
Contingency 3%			0	459.41	459.41			0	459.41	459.41
Labour Welfare 4%			0	612.55	612.55			0	612.55	612.55
Grand Total		40.5	15288.75	1071.96	16385.71		40.5	15288.75	1071.96	16385.71
G. Sixth Year Operations										
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	13778.75	0	13778.75	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1	36.50	13778.75	0.00	13778.75
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	755	25	780	Item No. 2	2.00	755.00	25.00	780.00
3	Fire tracing	2	755	0	755	Item No. 3	2.00	755.00	0.00	755.00
Total		40.5	15288.75	25.00	15313.75		40.5	15288.75	25.00	15313.75
Contingency 3%			0	459.41	459.41			0	459.41	459.41
Labour Welfare 4%			0	612.55	612.55			0	612.55	612.55
Grand Total		40.5	15288.75	1071.96	16385.71		40.5	15288.75	1071.96	16385.71
H. Seventh Year Operations										
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	13778.75	0	13778.75	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1	36.50	13778.75	0.00	13778.75
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	755	25	780	Item No. 2	2.00	755.00	25.00	780.00
3	Fire tracing	2	755	0	755	Item No. 3	2.00	755.00	0.00	755.00
Total		40.5	15288.75	25.00	15313.75		40.5	15288.75	25.00	15313.75
Contingency 3%			0	459.41	459.41			0	459.41	459.41
Labour Welfare 4%			0	612.55	612.55			0	612.55	612.55
Grand Total		40.5	15288.75	1071.96	16385.71		40.5	15288.75	1071.96	16385.71
I. Eighth Year Operations										
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	13778.75	0	13778.75	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1	36.50	13778.75	0.00	13778.75
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	755	25	780	Item No. 2	2.00	755.00	25.00	780.00
3	Fire tracing	2	755	0	755	Item No. 3	2.00	755.00	0.00	755.00
Total		40.5	15288.75	25.00	15313.75		40.5	15288.75	25.00	15313.75
Contingency 3%			0	459.41	459.41			0	459.41	459.41
Labour Welfare 4%			0	612.55	612.55			0	612.55	612.55
Grand Total		40.5	15288.75	1071.96	16385.71		40.5	15288.75	1071.96	16385.71
J. Ninth Year Operations										
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	13778.75	0	13778.75	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1	36.50	13778.75	0.00	13778.75
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	755	25	780	Item No. 2	2.00	755.00	25.00	780.00
3	Fire tracing	2	755	0	755	Item No. 3	2.00	755.00	0.00	755.00
Total		40.5	15288.75	25.00	15313.75		40.5	15288.75	25.00	15313.75
Contingency 3%			0	459.41	459.41			0	459.41	459.41
Labour Welfare 4%			0	612.55	612.55			0	612.55	612.55
Grand Total		40.5	15288.75	1071.96	16385.71		40.5	15288.75	1071.96	16385.71
K. Tenth Year Operations										
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	13778.75	0	13778.75	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1	36.50	13778.75	0.00	13778.75
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	755	25	780	Item No. 2	2.00	755.00	25.00	780.00
3	Fire tracing	2	755	0	755	Item No. 3	2.00	755.00	0.00	755.00
Total		40.5	15288.75	25.00	15313.75		40.5	15288.75	25.00	15313.75
Contingency 3%			0	459.41	459.41			0	459.41	459.41
Labour Welfare 4%			0	612.55	612.55			0	612.55	612.55
Grand Total		40.5	15288.75	1071.96	16385.71		40.5	15288.75	1071.96	16385.71


 Sub Divisional Forest Officer
 Bhor