

Enclosure to Principal Chief Conservator of Forest (HoFF), M. S. Nagpur Letter No. Desk-17/CAJNodal Cell/CR-40/1127/2019-20, Date 4/10/2019

Rate Structure for Compensatory Afforestation

Model No 5

Fencing And Irrigated palantation

Model rate structure for plantation of mix tree species in areas with rainfall less than 800 mm, medium quality, medium drained

Speciment 3M x 3 M	Village	Kuyalu	Gut No	25.00	
Pit Size 0.45m x 0.45m x 0.45 m	Taluka	Wada	Dist	Palghar	
No of seedlings - 1111 per ha.	Range	Wada (West)	Round	Khupari	
	Beat	Kondala	Wage Rate	339.61	(Amount in Rs)
	No of seedlings per ha.	1111	Area in Ha	1.00	
Particulars of works	Man days	Wages	Material supply	Total (Rs. Per Ha.)	Sanction Letter Dt. / Model No. / Item No.

A. Pre Mansoon Works PPO /PYO

1	(a) Survey and deincarcation	1.00	339.61	91.00	430.61	Letter Dt 07/03/2018 Irrigation & Fencing Plantation Model No. 1 Item No. 1a
	(b) Preparation of treatment map (100 m x 50 m grid)	1.00	339.61	91.00	430.61	Item No. 1b
	(c) Digging trial pits of size 0.30x0.30x0.60 in corner of Grid.	0.40	135.84	0.00	135.84	Item No. 1c
	(d) Fixing 60 cm x 0.05cm x 12 cm cement pillars upto 30cm deep in corner of Grid, painting with Grid No. etc complete (3 pillars, Rs.75/- for each pillars)	0.00	0.00	225.00	225.00	Item No. 1d
	(e) Clearing of bushes and preparation of site (As per requirement)	10.00	3396.10	91.00	3487.10	Item No. 1e
2	Soil and moisture conservation works including collection of rubbles from areas upto 30 m etc	31.00	10527.91	0.00	10527.91	Item No. 2

3	Providing and fixing chain link fencing, 102 Rmt per ha (With one gate + two wickets gates for one site) (Rs.2539 per Rmt of basic rate 20% for transportation of ave. lead plus 20% for tribal/remote area (by tender process.) (Rs.2539+507.8+507.8=3554.60 per Rmt (1.60Rmt height with G.I. Chainlink size 50 mm x 50 mm & 8 gauge thick and fix 75 above ground level complet as per SSR item no 1575 for 2021-22	0.00	0.00	182865.60	182865.60	As per SSR rates 2022-23 Item No. 1575
4	Alignment of pits at 3m x 3m spacement 1111 pits per Ha (0.25 per pits and M7S @ Rs 2.24 per 50 pits	2.78	944.1158	49.77	993.89	item no 4
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 of mechanized digging can be made	73.33	24903.6013	0	24903.60	item no 5
6	Construction of 5.00 Rmt wide Inspection Path 1 M.D. per 100 Rmt	1	339.61	0	339.61	Item no 6
	Enumeration of all valuable plants species at plantation site and grid wise counting and providing colour band and recording the same in Register (0.75 M.D.) per 100 plants	0.75	254.7075	25	279.71	Item No. 7
8	Providing and fixing (4 feet x 3 feet) information board each per site	0	0	5000	5000.00	Item No. 8

9	Part Nursery cost of raising 1333 seedlings per ha (including 20% casualty replacement) in polygons of size 12.50 x 25.00 cm x 25.00cm (Wages 11.90 M.S. Rs 3.62 per plant)	46.71	15863.18	4825.46	20688.64	Item No. 9 & 20% Casualty replacement in place of 10%
	Total	167.97	57044.29	193263.83	250308.12	
	Contrngency 3%			7509.244	7509.24	
	Labour Welfare 4%			10012.32	10012.32	
	Grand total	167.97	57044.29	193263.83	267829.69	

B. First Year Operations

Sr.No	Particulars of works	Man days	Wages	Material supply	Total (Rs. Per Ha.)	Sanction Letter Dt. / Model No. / Item No.
1	Part Nursery cost for maintenance of 1333 seedling per ha (Wages Rs.2.69, M & S Rs. 0.81)	14.8	5026.23	1079.73	6105.96	Letter Dt. 07/03/2018 Irrigation & fencing plantation Model no 1 item no 1
2	Refilling of pits by good quality soil including application of single super phosphate (1.66 MD per 100 pits)	18.44	6262.41	1944.25	8206.66	Item No. 2
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 seedling	1.87	635.07	2426	3061.07	Item No. 3 (10% Extra plants to be transported
4	Planting of 1111 seedlings (1.1 M.D. Per 100 seedlings)	11.11	3773.07	0	3773.07	Item No. 4
5	3 seedlings (1Rmt circular) and 2 soil workings (4.00 M.D. per 100 seedlings) fertilizer application RS.0.82 per seedling	44.44	15092.27	911.02	16003.29	Item No. 5

6	Watering 1111 seedlings November And December 1 time each January to March 2 times each per seedlings 5 lit water, purchase of 1111 plastic cans of 5 litre/ Mataka @Rs 25.00 each and 100 liter capacity 11 drums @ Rs. 400/- each for suppling water and water suuply at 2Rs. 0.05 per litre and wages for watering 1 M.D. for 150 seedlings	59.25	20121.89	54395	74516.89	Item No . 7
7	Casualty replacement (20% 222 Seedlings per ha.) (2 M.D. per 100 seedlings)	4.44	1507.87	0	1507.87	Item no 6 & 20% instead of 10%
8	Part Nursery cost for causality replacement in SYO (320 seedlings per ha.) (wages Rs. 11.90 and material supply Rs.3.62 total Rs. 12.55 per seedling.)	7.77	2638.77	803.64	3442.41	Item no8 & 20% instead of 10%
9	Watch and ward (10 months — 1 watcher per 10 ha)	27.38	9298.52	0	9298.52	Item No. 9
10	Soil working for naturally grown plants and seedlings (1.15 M. D. per 100 plants)	1.15	390.55	10	400.55	Item no 10
11	Fire tracing	2	679.22	0	679.22	Item No. 12
Total		192.65	65425.87	61569.64	126995.51	
Contingency 3%				3809.87	3809.87	
Labour Welfare 4%				5079.82	5079.82	
Grand Total		192.65	65425.87	12002.96	135885.19	

C. Second Year Operations

Sr.No	Particulars of works	Man days	Wages	Material supply	Total (Rs. Per Ha.)	Sanction Letter Dt. / Model No. / Item No.
1	Part nursery cost for seedlings for causality replacement (222 seedlings per ha) labour rate @ Rs.2.97 and M.S. Rs. 1.82 per seedlings	2.46	835.4406	404	1239.44	Letter Dt. 07/03/2018 Irrigation & fencing plantation Model no 1 item no 1 casulity replacement 20%

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%
3	Planting for casualty 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	2 weedings and 1 soil working, with fertilizer application at 2.5 M.D. per 100 seedlings M.S. Rs. 0.82 seedlin	27.77	9430.9697	911.02	10341.99	Item No. 4
5	Watering 1111 seedlings November, December, January and 1 time each February to May 2 times each total 12 times 5 lit waterper seedlings, replacement 10% plastic cans / mataka @Rs 25.00 each replacing 111 cans / mataka, suppling waterb@ Rs 0.50 per litter and watering 1 M.D. for 150 seedlings	88.88	30184.5368	36105	66289.54	Item No. 5
6	Watch and ward 12 months - 1 watcher per 10.00 ha	36.5	12395.765	0	12395.77	Item No. 6
7	Fire tracing	2	679.22	0	679.22	Item No. 8
Total +A49:G103+A49:G103		162.36	55139.08	37824.06	92963.14	
Contingency 3%				2788.89	2788.89	
Labour Welfare 4%				3718.53	3718.53	
Grand Total		162.36	55139.08	37824.06	99470.56	

D. Third Year Operations

Sr.No	Particulars of works	Man days	Wages	Material supply	Total (Rs. Per Ha.)	Sanction Letter Dt. / Model No. / Item No.
1	weeding and 1 soil workng (1 50 M.D per 100 seedlings) applying fertilizer @ Rs 0.82 per plant.	16.67	5661.2987	911.02	6572.32	Letter Dt. 07/03/2018 Irrigation & fencing plantation Model no 1 item no 1

2	Watering 556 seedlings November, December, January and June 1 time each February to May 2 times each total 12 times 5 lit waterper seedlings, replacement 10% plastic cans / mataka @Rs 25.00 each replacing 111 cans / mataka, suppling waterb@ Rs 0.50 pe	44.48	15105.8528	16680	31785.85	ItemNo. 2
3	Watch and ward 12 months watcher per 10.00 ha.	36.5	12395.765	0	12395.77	Item No. 3
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
5	Fire Tracing	2	679.22	0	679.22	Item No. 6
Total		101.65	34521.3565	17616.02	52137.38	
Contingency 3%				1564.121295	1564.12	
Labour Welfare 4%				2085.49506	2085.50	
Grand Total		101.65	34521.3565	17616.02	55787.0	

E. Fourth Year Operations

Sr.No	Particulars of works	Man days	Wages	Material supply	Total (Rs. Per Ha.)	Sanction Letter Dt. / Model No. / Item No.
1	Watch and ward 12 months wa	36.5	12395.765	0	12395.77	Letter Dt 07/03/2018 irrigated &fencing plantation modelno.1 item No. 1
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
3	Fire Tracing	2	679.22	0	679.22	Item No. 3
Total		40.5	13754.205	25	13779.21	
Contingency 3%				413.38	413.38	
Labour Welfare 4%				551.17	551.17	
Grand Total		40.5	13754.205	25	14743.75	

F. Fifth Year Operations

Sr.No	Particulars of works	Man days	Wages	Material supply	Total (Rs. Per Ha.)	Sanction Letter Dt. / Model No. / Item No.
1	Watch and ward 12 months watcher per 10.00 ha.	36.5	12395.765	0	12395.77	Letter Dt 07/03/2018 irrigated & fencing plantation modelno.1 item No. 1
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
	Fire Tracing	2	679.22	0	679.22	Item No. 3
	Total	40.5	13754.205	25	13779.21	
	Contingency 3%			413.38	413.38	
	Labour Welfare 4%			551.17	551.17	
	Grand Total	40.5	13754.205	25	14743.75	

G. Sixth Year Operations

Sr.No	Particulars of works	Man days	Wages	Material supply	Total (Rs. Per Ha.)	Sanction Letter Dt. / Model No. / Item No.
1	Watch and ward 12 months watcher per 10.00 ha.	36.5	12395.765	0	12395.77	Letter Dt 07/03/2018 irrigated & fencing plantation modelno.1 item No. 1
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
3	Fire Tracing	2	679.22	0	679.22	Item No. 3
	Total	40.5	13754.205	25	13779.21	
	Contingency 3%			413.38	413.38	
	Labour Welfare 4%			551.17	551.17	
	Grand Total	40.5	13754.205	25	14743.75	

H. Seventh Year Operation

Sr No	Particulars of works	Man days	Wages	Material supply	Total (Rs. Per Ha.)	Sanction Letter Dt. / Model No. / Item No.
1	Watch and ward 12 months watcher per 10.00 ha.	36.5	12395.765	0	12395.77	Letter Dt 07/03/2018 irrigated & fencing plantation modelno.1 item No. 1

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
3	Fire Tracing	2	679.22	0	679.22	Item No. 3
	Total	40.5	13754.205	25	13779.21	
	Contingency 3%			413.38	413.38	
	Labour Welfare 4%			551.17	551.17	
	Grand Total	40.5	13754.205	25	14743.75	

I. Eighth Year Operations

Sr.No	Particulars of works	Man days	Wages	Material supply	Total (Rs. Per Ha.)	Sanction Letter Dt. / Model No. / Item No.
1	Watch and ward 12 months watcher per 10.00 ha.	36.5	12395.765	0	12395.77	Letter Dt 07/03/2018 irrigated & fencing plantation modelno.1 item No. 1
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
3	Fire Tracing	2	679.22	0	679.22	Item No. 3
	Total	40.5	13754.205	25	13779.21	
	Contingency 3%			413.38	413.38	
	Labour Welfare 4%			551.17	551.17	
	Grand Total	40.5	13754.205	25	14743.75	

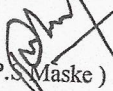
J. Ninth Year Operations

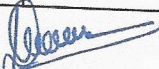
Sr.No	Particulars of works	Man days	Wages	Material supply	Total (Rs. Per Ha.)	Sanction Letter Dt. / Model No. / Item No.
1	Watch and ward 12 months wa	36.5	12395.765	0	12395.77	Letter Dt 07/03/2018 irrigated & fencing plantation modelno.1 item No. 1
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register In May and October	2	679.22	25	704.22	Item No. 2
3	Fire Tracing	2	679.22	0	679.22	Item No. 3
	Total	40.5	13754.205	25	13779.21	
	Contingency 3%			413.38	413.38	
	Labour Welfare 4%			551.17	551.17	
	Grand Total	40.5	13754.205	25	14743.75	

K. Tenth Year Operations

1	Watch and ward 12 months wa	36.5	12395.765	0	12395.77	Letter Dt 07/03/2018 irrigated & fencing plantation model no.1 item No. 1
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
3	Fire Tracing	2	679.22	0	679.22	Item No. 3
	Total	40.5	13754.205	25	13779.21	
	Contingency 3%			413.38	413.38	
	Labour Welfare 4%			551.17	551.17	
	Grand Total	40.5	13754.205	25	14743.75	


(V. P. Lende)
Range Forest Officer
Wada (W)

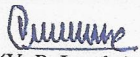

(P. S. Maske)
Asstt. Conservator Of Forest
Wada


(N. S. Divakar)
Dy. Conservator Of Forest
Jawhar Dn. Jawhar

Abstract Model no 1

Sr.No	Year of Operation	Man Days	Wages	Material Supply	Total	Other Expenses	Total Amount
1	Pre Monsoon Works	167.97	57044.29	193263.83	250308.12	17521.57	267829.69
2	First Year Operations	192.65	65425.87	61569.64	126995.51	8889.69	135885.19
3	Second Year Operations	162.36	55139.08	37824.06	92963.14	6507.42	99470.56
4	Third Year Operations	101.65	34521.36	17616.02	52137.38	3649.62	55786.99
5	Fourth Year Operations	40.5	13754.21	25.00	13779.21	964.54	14743.75
6	Fifth Year Operations	40.5	13754.21	25.00	13779.21	964.54	14743.75
7	Sixth Year Operations	40.5	13754.21	25.00	13779.21	964.54	14743.75
8	Seventh Year Operations	40.5	13754.21	25.00	13779.21	964.54	14743.75
9	Eighth Year Operations	40.5	13754.21	25.00	13779.21	964.54	14743.75
10	Ninth Year Operations	40.5	13754.21	25.00	13779.21	964.54	14743.75
11	Tenth Year Operations	40.5	13754.21	25.00	13779.21	964.54	14743.75
	Total	908.13	308410.03	310448.55	618858.58	43320.10	662178.68

Cost per Plant 596.02


(V. P. Lende)
Range Forest Officer
Wada (W)


(P. S. Maske)
Asstt. Conservator Of Forest
Wada


(N. S. Divakar)
Dy. Conservator Of Forest
Jawhar Dn. Jawhar

Note

- 1 Rate of Chainlink fencing derived from SSR 2022-23 with addition for transportation and Tribble area.
- 2 Plantation M. D. and M.S. component derived from rate structure as approved by PCCF (HoFF) M.S. vide letter No.