

Model Rate Structure for Compensatory Afforestation

Model No.3

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

Spacement - 3.0m x 3.0m
Size of Pits - 0.45 x 0.45 x 0.45 M
No. of Seedlings - 1111 per ha.

Range-Uran Round-Uran Beat- Kalmbusare Village- Vasheni / Sarade Compartment.No139E
DAILY WAGES RATE 399.73 Area :- 2.0800 Hector

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
P.P.O + P.Y.O.WORKS								
1	A) Survey & Demarcation	1.00	399.73	50.00	449.73	831.44	104.00	935.44
	B) Preparation of treatment map (100 m x 50 m grid)	1.00	399.73	50.00	449.73	831.44	104.00	935.44
	C) Clearing of bushes and preparation of site (As per requirement)	10.00	3997.30	50.00	4047.30	8314.38	104.00	8418.38
2	Soil and moisture Conservation work - Tincluding collection of rubbles from areas upto 30 m etc.	31.00	12391.63	0.00	12391.63	25774.59	0.00	25774.59
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	1199.19	96.00	1295.19	2494.32	199.68	2694.00
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	73390.43	0.00	73390.43	152652.09	0.00	152652.09
5	Digging of Trench cum mound (TCM) of size 1.90 x 0.60 x 1.00 m along the periphery of plantatio aea 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	33005.71	50.00	33055.71	68651.87	104.00	68755.87
6	Alignment of pits at 3.0m x 3.0m spacement. 1111pits per ha) M&S @ Rs. 0.13 M.D. and Rs. 2.24 per 6.60 M.D. per 100 pits	2.89	1155.22	49.77	1204.99	2402.86	103.52	2506.38
7	Digging of pits of size 0.45x0.45x0.45m 1111 pits per ha. 6.60 M.D. per 100 pits	73.33	29312.20	0.00	29312.20	60969.38	0.00	60969.38

8	Part Nursery cost for raising of 1333 seedlings per ha. (including 20% casualty replacement) in polybag of size 12.50cmx25.00cm	38.63	15441.57	2346.08	17787.65	32118.47	4879.85	36998.31
	TOTAL :-	427.02	170692.70	2691.85	173384.55	355040.83	5599.05	360639.87
13	Contingency 3%				5201.54	10651.22	167.97	10819.20
14	Labour welfare (Medi & water) 4%				6935.38	14201.63	223.96	14425.59
	TOTAL :-		170692.70	2691.85	185521.47	379893.68	5990.98	385884.66
	SAY AS TOTAL :-				185521			385885


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 उरण.

Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
First Year Operation								
1	Part nursery cost for 1333 seedlings per ha per ha. Rs.1.55 per seedlings (Wages Rs. 1.11, M & S Rs. 0.44)	11.68	4668.85	586.52	5255.37	9711.20	1219.96	10931.16
2	Refilling of pits with good quality soil a) Wages 1.66 M.D. per 100 pits B) 20% soil replacement. 20 cum per ha. Rs. 300/- per cum. C) Filling 5% farm yard anure in pits. 5 cum per ha. Rs. 700/- per cum	18.44	7371.02	9500.00	16871.02	15331.72	19760.00	35091.72
3	Transportation of 1333 seedlings from nursery to planting site including loading & unloading Rs. 0.14 M.D. per 100 seedlings and M.S. Rs. 1 per seedlings)	1.87	747.50	1333.00	2080.50	1554.79	2772.64	4327.43
4	Planting agave suckers in 3 rows on TCM (306 suckers Rs. 3 per sucker)	1.00	399.73	981.00	1380.73	831.44	2040.48	2871.92
5	Sowing of seeds on CCT. 1200 rmt. 5 kg per ha @ Rs. 50 per kg	12.00	4796.76	250.00	5046.76	9977.26	520.00	10497.26
	Removal of weeds from CCT, (1.20 M.D. per 100 rmt)	14.40	5756.11	0.00	5756.11	11972.71	0.00	11972.71
	Planting of seedling 1111 per ha (1.00 MD per 100 seedling.)	11.11	4441.00	0.00	4441.00	9237.28	0.00	9237.28
6	3 seedlings and 2 soil working (3.50 M.D. per 100 seedlings) fertilizer application Rs. 0.45 per seedling	38.88	15541.50	500.00	16041.50	32326.32	1040.00	33366.32
7	Casualty Replacement (20% 222 seedlings per ha.) (2 M.D. per 100 seedlings)	4.44	1774.80	0.00	1774.80	3691.59	0.00	3691.59
8	Part nursery cost for casualty replacement in SYO (222 seedlings per ha.) (wages Rs. 8.80 and material supply Rs. 1.76 total Rs. 10.56 per seedling)	7.78	3109.90	390.72	3500.62	6468.59	812.70	7281.29
9	Watch and ward (9 months-1 watcher per 10 ha.)	30.00	11991.90	0.00	11991.90	24943.15	0.00	24943.15
10	Fire tracing	2.00	799.46	0.00	799.46	1662.88	0.00	1662.88
	TOTAL :-	153.60	61398.53	13541.24	74939.77	127708.94	28165.78	155874.72
	Contingency 3%				2248.19	3831.27	844.97	4676.24
	Labour welfare (Medi & water) 4%				2997.59	5108.36	1126.63	6234.99
	Grand TOTAL :-		61398.53	13541.24	80185.55	136648.56	30137.38	166785.95
	SAY AS TOTAL :-				80186			166786

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Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
Second Year Operation								
1	Part Nursery cost for seedlings for casualty replacement (222 seedlings per ha.)	1.95	779.47	97.67	877.14	1621.30	203.15	1824.46
2	Transportation of 222 seedlings for casualty replacement from Nursery to plantation site including loading and unloading (0.14 M.D. & Rs 1 M & S per 100 Seedlings)	0.31	123.92	222.00	345.92	257.75	461.76	719.51
3	Planting for Casualty replacement 222 seedlings (2 M.D. per 100 seedling)	4.44	1774.80	0.00	1774.80	3691.59	0.00	3691.59
4	2 weeding and 1 soil working, with fertilizer applicator at Rs. 0.45 per seedling	27.77	11100.50	500.00	11600.50	23089.04	1040.00	24129.04
5	Watch and ward 12 months-1 watcher per 10.00 ha.	36.50	14590.15	0.00	14590.15	30347.50	0.00	30347.50
6	Fire tracing	2.00	799.46	0.00	799.46	1662.88	0.00	1662.88
	TOTAL :-	72.97	29168.30	819.67	29987.97	60670.06	1704.91	62374.97
	Contingency 3%				899.64	1820.10	51.15	1871.25
	Labour welfare (Medi & water) 4%				1199.52	2426.80	68.20	2495.00
	TOTAL :-		29168.30	819.67	32087.13	64916.96	1824.26	66741.22
	SAY AS TOTAL :-				32087			66741


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Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
Third Year Operation								
1	1 Weeding and 1 soil working (1.50 M.D. per 100 seedling	16.67	6663.50	0.00	6663.50	13860.08	0.00	13860.08
2	Fire tracing	2.00	799.46	0.00	799.46	1662.88	0.00	1662.88
3	Watch and ward 12 months-1 watcher per 10.00 ha.	36.50	14590.15	0.00	14590.15	30347.50	0.00	30347.50
	TOTAL :-	55.17	22053.10	0.00	22053.10	45870.46	0.00	45870.46
	Contingency 3%				661.59	1376.11	0.00	1376.11
	Labour welfare (Medi & water) 4%				882.12	1834.82	0.00	1834.82
	TOTAL :-		22053.10	0.00	23596.82	49081.39	0.00	49081.39
	SAY AS TOTAL :-				23597			49081

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Sr.	Particulars of works	Mandays	Wages	Material	Total	Wages	Material	Total
Fourth Year Operation								
1	Fire tracing	2.00	799.46	0.00	799.46	1662.88	0.00	1662.88
2	Watch and ward 12 months-1 watcher per 10.00 ha.	36.50	14590.15	0.00	14590.15	30347.50	0.00	30347.50
	TOTAL :-	38.50	15389.61	0.00	15389.61	32010.38	0.00	32010.38
	Contingency 3%				461.69	960.31	0.00	960.31
	Labour welfare (Medi & water) 4%				615.58	1280.42	0.00	1280.42
	TOTAL :-		15389.61	0.00	16466.88	34251.10	0.00	34251.10
	SAY AS TOTAL :-				16467			34251




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Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
Fifth Year Operation								
1	Fire tracing	2.00	799.46	0.00	799.46	1662.88	0.00	1662.88
2	Watch and ward 12 months-1 watcher per 10.00 ha.	36.50	14590.15	0.00	14590.15	30347.50	0.00	30347.50
	TOTAL :-	38.50	15389.61	0.00	15389.61	32010.38	0.00	32010.38
	Contingency 3%				461.69	960.31	0.00	960.31
	Labour welfare (Medi & water) 4%				615.58	1280.42	0.00	1280.42
	TOTAL :-		15389.61	0.00	16466.88	34251.10	0.00	34251.10
	SAY AS TOTAL :-				16467			34251

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Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
Sixth Year Operation								
1	Fire tracing	2.00	799.46	0.00	799.46	1662.88	0.00	1662.88
2	Watch and ward 12 months-1 watcher per 10.00 ha.	36.50	14590.15	0.00	14590.15	30347.50	0.00	30347.50
	TOTAL :-	38.50	15389.61	0.00	15389.61	32010.38	0.00	32010.38
	Contingency 3%				461.69	960.31	0.00	960.31
	Labour welfare (Medi & water) 4%				615.58	1280.42	0.00	1280.42
	TOTAL :-		15389.61	0.00	16466.88	34251.10	0.00	34251.10
	SAY AS TOTAL :-				16467			34251


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Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
Seventh Year Operation								
1	Fire tracing	2.00	799.46	0.00	799.46	1662.88	0.00	1662.88
2	Watch and ward 12 months-1 watcher per 10.00 ha.	36.50	14590.15	0.00	14590.15	30347.50	0.00	30347.50
	TOTAL :-	38.50	15389.61	0.00	15389.61	32010.38	0.00	32010.38
	Contingency 3%				461.69	960.31	0.00	960.31
	Labour welfare (Medi & water) 4%				615.58	1280.42	0.00	1280.42
	TOTAL :-		15389.61	0.00	16466.88	34251.10	0.00	34251.10
	SAY AS TOTAL :-				16467			34251


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Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
Eighth Year Operation								
1	Fire tracing	2.00	799.46	0.00	799.46	1662.88	0.00	1662.88
2	Watch and ward 12 months-1 watcher per 10.00 ha.	36.50	14590.15	0.00	14590.15	30347.50	0.00	30347.50
	TOTAL :-	38.50	15389.61	0.00	15389.61	32010.38	0.00	32010.38
	Contingency 3%				461.69	960.31	0.00	960.31
	Labour welfare (Medi & water) 4%				615.58	1280.42	0.00	1280.42
	TOTAL :-				16466.88	34251.11	0.00	34251.11
	SAY AS TOTAL :-				16467			34251




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Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
Ninth Year Operation								
1	Fire tracing	2.00	799.46	0.00	799.46	1662.88	0.00	1662.88
2	Watch and ward 12 months-1 watcher per 10.00 ha.	36.50	14590.15	0.00	14590.15	30347.50	0.00	30347.50
	TOTAL :-	38.50	15389.61	0.00	15389.61	32010.38	0.00	32010.38
	Contingency 3%				461.69	960.31	0.00	960.31
	Labour welfare (Medi & water) 4%				615.58	1280.42	0.00	1280.42
	TOTAL :-				16466.88	34251.11	0.00	34251.11
	SAY AS TOTAL :-				16467			34251



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Sr. No.	Particulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
Tenth Year Operation								
1	Fire tracing	2.00	799.46	0.00	799.46	1662.88	0.00	1662.88
2	Watch and ward 12 months-1 watcher per 10.00 ha.	36.50	14590.15	0.00	14590.15	30347.50	0.00	30347.50
	TOTAL :-	38.50	15389.61	0.00	15389.61	32010.38	0.00	32010.38
	Contingency 3%				461.69	960.31	0.00	960.31
	Labour welfare (Medi & water) 4%				615.58	1280.42	0.00	1280.42
	TOTAL :-				16466.88	34251.11	0.00	34251.11
	SAY AS TOTAL :-				16467			34251




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परिक्षेत्र वन अधिकारी,
 उरण.

ALIBAG FOREST DIVISION
RATE STRUCTURE FOR COMPENSTORY AFFORESTATION ON WORKS IN ZONE II & III HEAVY RAIN FALL AREA (1111 PLANTS/Ha.)
 Range-Uran Beat-Kalmbusare Village- Vasheni / Sarade Compartment.No. 139E
 DAILY WAGES RATE 399.73 Area :- 2.080 Hecter

Abstract

Sr. No.	Partifulars of works	Mandays	Wages	Material supply	Total	Wages	Material supply	Total
1)	PPO + PYO	427.02	170692.70	2691.85	185521	379893.68	5990.98	385885
2)	First Year Operation	153.60	61398.53	13541.24	80186	136648.56	30137.38	166785
3)	Second Year Operation	72.97	29168.30	819.67	32087	64916.96	1824.26	66741
4)	Third Year Operation	55.17	22053.10	0.00	23597	49081.39	0.00	49081
5)	Fourth Year Operation	38.50	15389.61	0.00	15390	32010.38	0.00	34251
6)	Fith Year Operation	38.50	15389.61	0.00	15390	32010.38	0.00	34251
7)	Sixth Year Operation	38.50	15389.61	0.00	15390	32010.38	0.00	34251
8)	Seventh Year Operation	38.50	15389.61	0.00	15390	32010.38	0.00	34251
9)	Eight Year Operation	38.50	15370.36	0.00	15370	31847.38	0.00	34251
10)	Ninth Year Operation	38.50	15370.36	0.00	15370	31847.38	0.00	34251
11)	Tenth Year Operation	38.50	15370.36	0.00	15370	31847.38	0.00	34251
	Total :-	978.26	390982.13	17052.76	429059	854124.25	37952.62	908251

(Signature)
 (ASSTANT H.A. (P.F.S.))
 Deputy Conservator of Forests
 Alibag

(Signature)
 "संरक्षक वनप्रक्षक"
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(Signature)
 Range Forest Officer
 Uran