

Scheme for Non-Timber - Forest Produce - Compensatory Afforestation									
Rate as Prescribed by Principal Chief Conservator of Forest, Maharashtra state Nagpur, No Desk-17/CA / Nodal cell /CR-40/1127/2019-20, Date 04/10/2019									
Spacement - 3m X 3m		Size of Pits 0.45 X 0.45 X 0.45 m			No. of seedlings: 1111 per ha.				
Gut No. 199 & 286, VILL. Pukalewadi , TAL :Maan, DIST. Satara FOREST DIVISION : Satara									
Range: Vaduj		Daily Wages Rate of Rs.			413.69	Area :		3.000 Ha.	
A. Pre monsoon Works PPO / PYO (YEAR 2022 - 2023)					@ Daily Wages Rate 413.69				
Sr. No	Particular's	Cost per ha.				Cost for 3.000 Ha.			
		Mandays	Wages	M & S	Total	Mandays	Wages	M & S	Total
1	2	3	4	5	6	7	8	9	10
1	(a) Survey and Demarcation	1.00	413.69	91.00	504.69	3.00	1241.07	273.00	1514.07
	(b) Preparation of treatment map (100m X 50m grid)	1.00	413.69	91.00	504.69	3.00	1241.07	273.00	1514.07
	(c) Digging trial pits of size 0.30 x0.30x 0.60in corner of grid.	0.40	165.48	0.00	165.48	1.20	496.43	0.00	496.43
	(d) Fixing 60cm x 0.05cm x12cm cement pillars up to 30 cm 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	0.00	0.00	675.00	675.00
	(e) Clearing of bushes and preparation of site (As per requirement.)	10.00	4136.90	91.00	4227.90	30.00	12410.70	273.00	12683.70
2	Soil & Moisture conservation works including collection of rubbles from areas upto 30 m etc.	31.00	12824.39	0.00	12824.39	93.00	38473.17	0.00	38473.17
3	providing and fixing chain link fencing, ,102 Rmt per ha. (With one gate + two wicket gatesfor one site) (Rs. 1494/- per Rmt of basic rate + 20% for transportation of ave. leadplus 0 % for tribal/remote area (by tender process.) (Rs. 1494+149+149=1792/- per Rmt (1.60 Rmts height with G.I. chain link size 50 mm x 50 m, 8-gauge a thick and fixed 75 mm above ground level complete as per SSR item No. 1744 for 2017-18)	0.00	0.00	182865.60	182865.60	0.00	0.00	548596.8	548596.80
4	Alignment of pits at 3m x 3m spacement. 1111 pits per Ha. (0.25 per 100 pits and M&S @ Rs. 2.24 per 50 pits.	2.78	1150.06	49.77	1199.83	8.34	3450.17	149.31	3599.48
5	Digging of pits of size 0.45X0.45X0.45 m (1111 pits per Ha.) 6.60 md per 100 pits. Note: As per local condition provision for mechanized digging can be made.	73.33	30335.89	0.00	30335.89	219.99	91007.66	0.00	91007.66
6	Construction of 5.00 Rmt wide Inspection Path 1 MD. per 100 Rmt.	1.00	413.69	0.00	413.69	3.00	1241.07	0.00	1241.07
7	Enumeration of all valuable plan 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	310.27	25.00	335.27	2.25	930.80	75.00	1005.80
8	Providing and fixing (4 feet x 3 feet) information board each per site.	0.00	0.00	5000.00	5000.00	0.00	0.00	15000.00	15000.00

9	Part nursery cost of raising 1333 seedlings per ha. (including 20 % casualty replacement) in polygons of size 12.50 x 25.00 cms (Wages Rs. 11.90 and M & S Rs. 3.62 per plant)	46.71	19323.46	4825.46	24148.92	140.13	57970.38	14476.38	72446.76
	TOTAL :	167.97	69487.51	193263.83	262751.34	503.91	208462.53	579791.49	788254.02
	Contingency 3 %	0.00	0.00	7882.54	7882.54	0.00	0.00	23647.62	23647.62
	Labour welfare 4%	0.00		10510.05	10510.05	0.00		31530.16	31530.16
	Grand Total	167.97	69487.51	193263.83	281143.93	503.91	208462.53	579791.49	843431.80

FYO (2023- 2024)						@ Daily Wages Rate 413.69			
Sr. No.	particular's	Cost per ha.				Cost for 3.000 Ha.			
		Mandays	Wages	M & S	Total	Mandays	Wages	M & S	Total
1	2	3	4	5	6	7	8	9	10
1	Part nursery cost for maintenance of 1333 seedlings per ha. Rs. 3.77 per seedling (Wages Rs. 2.69 and M & S Rs. 0.81)	14.8	6122.61	1079.73	7202.34	44.4	18367.836	3239.19	21607.026
2	Refilling of pits by good quality soil including application of single super phosphate (1.66 Man-days for 100 pits)	18.44	7628.44	1944.25	9572.69	55.32	22885.33	5832.75	28718.08
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	773.60	2426.00	3199.60	5.61	2320.80	7278.00	9598.80
4	Planting of 1111 seedlings (1.1 M.D. per 100 seedlings.)	11.11	4596.10	0.00	4596.10	33.33	13788.29	0.00	13788.29
5	3 seedlings (1 Rmt circular) and 2 soil workings (4 M.D. per 100 seedlings.) Fertilizer application Rs. 0.82 per seedling	44.44	18384.38	911.02	19295.40	133.32	55153.15	2733.06	57886.21
6	Watering 1111 seedlings November and December 1 time each January to March 2 times each per seedling 5 Liter water, purchase of 1111 plastic can of 5 liters / matka @ rs. 25/- each and 100 liter capacity 11 drums @ Rs. 400/- each for supplying water and water supply at @ Rs. 0.05 per liter and wages for watering 1 M.D. for 150 seedlings.	59.25	24511.13	54395.00	78906.13	177.75	73533.40	163185.00	236718.40
7	Casualty replacement (20 % 222 seedlings per ha. (2 M.D. per 100 seedling))	4.44	1836.78	0.00	1836.78	13.32	5510.35	0.00	5510.35
8	Part nursery cost for casualty replacement in SYO (222 seedlings per ha.) (Wages Rs. 11.90 and material supply Rs. 3.62 total Rs. 12.55 per seedling.	7.77	3214.37	803.64	4018.01	23.31	9643.11	2410.92	12054.03
9	Watch & ward (10 months - one watcher per 10.00 ha.)	27.38	11326.83	0.00	11326.83	82.14	33980.50	0.00	33980.50
10	Soil working for naturally growing plants and singling (1.15 M.D. per 100 Plants)	1.15	475.74	10.00	485.74	3.45	1427.23	30.00	1457.23
11	Fire tracing	2.00	827.38	0.00	827.38	6.00	2482.14	0.00	2482.14
	TOTAL :	192.65	79697.38	61569.64	141267.02	577.95	239092.14	184708.9	423801.06
	Contingency 3 %	0.00	0.00	4238.01	4238.01	0.00	0.00	12714.03	12714.03
	Labour welfare 4%	0.00		5650.68	5650.68	0.00	0.00	16952.04	16952.04
	Total First Year Operation	192.65	79697.38	61569.64	151155.71	577.95	239092.14	184708.9	453467.13
(C) Second Year Operation. (2024- 2025)						@ Daily Wages Rate 413.69			

Sr. No.	Particular's	Cost per ha.				Cost for 3.000 Ha.			
		Mandays	Wages	M & S	Total	Mandays	Wages	M & S	Total
		3	4	5	6	7	8	9	10
1	Part nursery cost for seedlings for casualty replacement (222 seedlings per ha.) Labour rate @ Rs. 3.77 and M.S. Rs. 1.82 per seedling	2.46	1017.68	404.00	1421.68	7.38	3053.03	1212.00	4265.03
2	Transportation of 222 seedlings for casualty replacement from nursery to plantation site (including loading & unloading) (Wages 0.14 M.D. per 100 seedlings & M.S. Rs. 1.82 per seedling.	0.31	128.24	404.04	532.28	0.93	384.73	1212.12	1596.85
3	Planting for casualty replacement 222 (2.00 M.D. per 100 seedlings)	4.44	1836.78	0.00	1836.78	13.32	5510.35	0.00	5510.35
4	2 Weeding and 1 Soiling working, with fertilizer application at 2.5 M.D. per 100 seedlings M.S. Rs. 0.82 per seedling.	27.77	11488.17	911.02	12399.19	83.31	34464.51	2733.06	37197.57
5	Watering 1111 seedlings November December, January and June 1 time each and in February to May 2 times each total 12 times 5 Liters per seedling replacing 10 % plastic can / matka, @ Rs. 25/- each replacing 111 cans / matka supplying water @ Rs. 0.50 per liter and watering 150 seedlings. per M.D.	88.88	36768.77	36105.00	72873.77	266.64	110306.30	108315.00	218621.30
6	Watch & ward (12 months - one watcher per 10.00 ha.)	36.50	15099.69	0.00	15099.69	109.50	45299.06	0.00	45299.06
7	Fire tracing	2.00	827.38	0.00	827.38	6.00	2482.14	0.00	2482.14
	TOTAL :	162.36	67166.71	37824.1	104990.77	487.08	201500.13	113472.18	314972.31
	Contingency 3 %	0.00		3149.72	3149.72	0.00	0.00	9449.17	9449.17
	Labour welfare 4%	0.00		4199.63	4199.63	0.00	0.00	12598.89	12598.89
	Total Second Year Operation	162.36	67166.71	37824.1	112340.12	487.08	201500.13	113472.18	337020.37

(D). Third Year Operation (2025 - 2026)

@ Daily Wages Rate 413.69

Sr. No.	Particular's	Cost per ha.				Cost for 3.000 Ha.			
		Mandays	Wages	M & S	Total	Mandays	Wages	M & S	Total
		3	4	5	6	7	8	9	10
1	1 Weeding and 1 Soiling working, 1.5 M.D. per 100 seedlings applying fertilizer @ Rs. 0.82 per plant	16.67	6896.21	911.02	7807.23	50.01	20688.64	2733.06	23421.70
2	Watering 556 seedlings November December, January and June 1 time each and in February to May 2 times each total 12 times per seedling 5 Liters water supply @ Rs. 0.50 per liter and watering 150 seedlings. per M.D.	44.48	18400.93	16680.00	35080.93	133.44	55202.79	50040.00	105242.79
3	Watch & ward (10 months - one watcher per 10.00 ha.)	36.50	15099.69	0.00	15099.69	109.50	45299.06	0.00	45299.06
4	Counting of survival percentage Grid wise and species wise and to Note the same on register in May and October	2.00	827.38	25.00	852.38	6.00	2482.14	75.00	2557.14
5	Fire tracing.	2.00	827.38	0.00	827.38	6.00	2482.14	0.00	2482.14
	TOTAL :	101.65	42051.59	17616.02	59667.61	304.95	126154.77	52848.06	179002.83
	Contingency 3 %	0.00	0.00	1790.03	1790.03	0.00	0.00	5370.08	5370.08
	Labour welfare 4%	0.00	0.00	2386.70	2386.70	0.00	0.00	7160.11	7160.11
	Total Third Year Operation	101.65	42051.59	17616.02	63844.34	304.95	126154.77	52848.06	191533.02

(E) Fourth Year Operation (2024- 2025)

@ Daily Wages Rate 413.69

Sr. No.	Particular's	Cost per ha.				Cost for 3.000 Ha.			
		Mandays	Wages	M & S	Total	Mandays	Wages	M & S	Total
	2	3	4	5	6	7	8	9	10
1	Watch & ward (10 months - one watcher per 10.00 ha.)	36.50	15099.69	0.00	15099.69	109.50	45299.06	0.00	45299.06
2	Counting of survival percentage Grid wise and species wise and to Note the same on register in May and October	2.00	827.38	25.00	852.38	6.00	2482.14	75.00	2557.14
3	Fire tracing.	2.00	827.38	0.00	827.38	6.00	2482.14	0.00	2482.14
	TOTAL :	40.50	16754.45	25.00	16779.45	121.50	50263.34	75.00	50338.34
	Contingency 3 %	0.00	0.00	503.38	503.38	0.00	0.00	1510.15	1510.15
	Labour welfare 4%	0.00	0.00	671.18	671.18	0.00	0.00	2013.53	2013.53
	Grand Total	40.50	16754.45	25.00	17954.01	121.50	50263.34	75.00	53862.02

(F) Fifth year operation. (2026 - 2027)						@ Daily Wages Rate 413.69			
Sr. No.	Particular's	Cost per ha.				Cost for 3.000 Ha.			
		Man days	Wages	M & S	Total	Man days	Wages	M & S	Total
1	2	3	4	5	6	7	8	9	10
1	Watch & ward (10 months - one watcher per 10.00 ha.)	36.50	15099.69	0.00	15099.69	109.50	45299.06	0.00	45299.06
2	Counting of survival percentage Grid wise and species wise and to Note the same on register in May and October	2.00	827.38	25.00	852.38	6.00	2482.14	75.00	2557.14
3	Fire tracing.	2.00	827.38	0.00	827.38	6.00	2482.14	0.00	2482.14
	TOTAL :	40.50	16754.45	25.00	16779.45	121.50	50263.34	75.00	50338.34
	Contingency 3 %	0.00	0.00	503.38	503.38	0.00	0.00	1510.15	1510.15
	Labour welfare 4%	0.00	0.00	671.18	671.18	0.00	0.00	2013.53	2013.53
	Grand Total	40.50	16754.45	25.00	17954.01	121.50	50263.34	75.00	53862.02

(G) Sixth Year Operation (2027- 2028)						@ Daily Wages Rate 413.69			
Sr. No.	Particular's	Cost per ha.				Cost for 3.000 Ha.			
		Mandays	Wages	M & S	Total	Mandays	Wages	M & S	Total
1	2	3	4	5	6	7	8	9	10
1	Watch & ward (10 months - one watcher per 10.00 ha.)	36.50	15099.69	0.00	15099.69	109.50	45299.06	0.00	45299.06
2	Counting of survival percentage Grid wise and species wise and to Note the same on register in May and October	2.00	827.38	25.00	852.38	6.00	2482.14	75.00	2557.14
3	Fire tracing.	2.00	827.38	0.00	827.38	6.00	2482.14	0.00	2482.14
	TOTAL :	40.50	16754.45	25.00	16779.45	121.50	50263.34	75.00	50338.34
	Contingency 3 %	0.00	0.00	503.38	503.38	0.00	0.00	1510.15	1510.15
	Labour welfare 4%	0.00	0.00	671.18	671.18	0.00	0.00	2013.53	2013.53
	Grand Total	40.50	16754.45	25.00	17954.01	121.50	50263.34	75.00	53862.02

(H) Seventh Year Operation (2028 - 2029)						@ Daily Wages Rate 413.69			
Sr. No.	Particular's	Cost per ha.				Cost for 3.000 Ha.			
		Mandays	Wages	M & S	Total	Mandays	Wages	M & S	Total
1	Watch & ward (10 months - one watcher per 10.00 ha.)	36.50	15099.69	0.00	15099.69	109.50	15099.69	0.00	15099.69
2	Counting of survival percentage Grid wise and species wise and to Note the same on register in May and October	2.00	827.38	25.00	852.38	6.00	2482.14	75.00	2557.14
3	Fire tracing.	2.00	827.38	0.00	827.38	6.00	2482.14	0.00	2482.14
	TOTAL :	40.50	16754.45	25.00	16779.45	121.50	50263.34	75.00	50338.34
	Contingency 3 %	0.00	0.00	503.38	503.38	0.00	0.00	1510.15	1510.15
	Labour welfare 4%	0.00	0.00	671.18	671.18	0.00	0.00	2013.53	2013.53
	Grand Total	40.50	16754.45	25.00	17954.01	121.50	50263.34	75.00	53862.02

(I) Eighth Year Operation (2029 - 2030)						@ Daily Wages Rate 413.69			
Sr. No.	Particular's	Cost per ha.				Cost for 3.000 Ha.			
		Mandays	Wages	M & S	Total	Mandays	Wages	M & S	Total
1	Watch & ward (10 months - one watcher per 10.00 ha.)	36.50	15099.69	0.00	15099.69	109.50	45299.06	0.00	45299.06
2	Counting of survival percentage Grid wise and species wise and to Note the same on register in May and October	2.00	827.38	25.00	852.38	6.00	2482.14	75.00	2557.14
3	Fire tracing.	2.00	827.38	0.00	827.38	6.00	2482.14	0.00	2482.14
	TOTAL :	40.50	16754.45	25.00	16779.45	121.50	50263.34	75.00	50338.34
	Contingency 3 %	0.00	0.00	503.38	503.38	0.00	0.00	1510.15	1510.15
	Labour welfare 4%	0.00	0.00	671.18	671.18	0.00	0.00	2013.53	2013.53
	Grand Total	40.50	16754.45	25.00	17954.01	121.50	50263.34	75.00	53862.02

(J) Ninth Year Operation (2030 - 2031)						@ Daily Wages Rate 413.69			
Sr. No.	Particular's	Cost per ha.				Cost for 3.000 Ha.			
		Mandays	Wages	M & S	Total	Mandays	Wages	M & S	Total
1	Watch & ward (10 months - one watcher per 10.00 ha.)	36.50	15099.69	0.00	15099.69	109.50	45299.06	0.00	45299.06
2	Counting of survival percentage Grid wise and species wise and to Note the same on register in May and October	2.00	827.38	25.00	852.38	6.00	2482.14	75.00	2557.14
3	Fire tracing.	2.00	827.38	0.00	827.38	6.00	2482.14	0.00	2482.14
	TOTAL :	40.50	16754.45	25.00	16779.45	121.50	50263.34	75.00	50338.34
	Contingency 3 %	0.00	0.00	503.38	503.38	0.00	0.00	1510.15	1510.15
	Labour welfare 4%	0.00	0.00	671.18	671.18	0.00	0.00	2013.53	2013.53
	Grand Total	40.50	16754.45	25.00	17954.01	121.50	50263.34	75.00	53862.02

(K) Tenth Year Operation (2031 - 2032)						@ Daily Wages Rate 413.69			
Sr. No.	Particular's	Cost per ha.				Cost for 3.000 Ha.			
		Mandays	Wages	M & S	Total	Mandays	Wages	M & S	Total
1	Watch & ward (10 months - one watcher per 10.00 ha.)	36.50	15099.69	0.00	15099.69	109.50	45299.06	0.00	45299.06
2	Counting of survival percentage Grid wise and species wise and to Note the same on register in May and October	2.00	827.38	25.00	852.38	6.00	2482.14	75.00	2557.14
3	Fire tracing.	2.00	827.38	0.00	827.38	6.00	2482.14	0.00	2482.14
	TOTAL :	40.50	16754.45	25.00	16779.45	121.50	50263.34	75.00	50338.34
	Contingency 3 %	0.00	0.00	503.38	503.38	0.00	0.00	1510.15	1510.15
	Labour welfare 4%	0.00	0.00	671.18	671.18	0.00	0.00	2013.53	2013.53
	Grand Total	40.50	16754.45	25.00	17954.01	121.50	50263.34	75.00	53862.02

ABSTRACT									
Sr. No.	Years	Cost per ha.				Cost for 3.000 Ha.			
		Mandays	Wages	M & S	Total	Mandays	Wages	M & S	Total
1	Total P.Y.O. / P.P.O. expenditure	167.97	69487.51	193263.8 3	281143.93	503.91	208462.53	579791.4 9	843431.80
2	Total First Year Operation	192.65	79697.38	61569.64	151155.71	577.95	239092.14	184708.9 2	453467.13
3	Total Second Year Operation	162.36	67166.71	37824.06	112340.12	487.08	201500.13	113472.1 8	337020.37
4	3rd Year Operation	101.65	42051.59	17616.02	63844.34	304.95	126154.77	52848.06	191533.02
5	4rt Year Operation	40.50	16754.45	25.00	17954.01	121.50	50263.34	75.00	53862.02
6	5th Year Operation	40.50	16754.45	25.00	17954.01	121.50	50263.34	75.00	53862.02
7	6th Year Operation	40.50	16754.45	25.00	17954.01	121.50	50263.34	75.00	53862.02
8	7th Year Operation	40.50	16754.45	25.00	17954.01	121.50	50263.34	75.00	53862.02
6	8th Year Operation	40.50	16754.45	25.00	17954.01	121.50	50263.34	75.00	53862.02
7	9th Year Operation	40.50	16754.45	25.00	17954.01	121.50	50263.34	75.00	53862.02
8	10 th Year Operation	40.50	16754.45	25.00	17954.01	121.50	50263.34	75.00	53862.02
6	Total	908.13	375684.30	310448.85	734162.15	2724.39	1127052.9	931345.6 5	2202486.45
Total Cost for 3 Ha. = Rs. 2202486, Therefore cost for 1 Ha = Rs. 734162									

[Contingency 3 %] 61751.96

[Labour welfare 4 %] 82335.94


 Dy. Conservator of Forest,
 Satara Forest Division,
 Satara