

Year-wise detailed Abstract of CA scheme for Development of Degraded Forest Land (DFL) for 0.7 Ha in Compartment No. 345 of Singaraipet Beat of Tapalpur Section of Tadlapet Range of Jannaram Division of M of Diversion of Forest land for Drinking Water Supply, Construction of 500 KL ELMBR on Jalagutta (Hillocks) including approach road under Water supply Improvement Scheme (Mission Bhageeratha)-In favour of Engineer. PH Sub-Division Mancherla.

Sl. No	Item of Work 0.7 Ha DFL (@ 1111 plants per Ha)	Phy	Unit Cost 2021-22 (Rs.)	2022-23			2023-24			2024-25			2025-26			2026-27		
				Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
A	Protection	3																
1	Digging of CPT 1.5 x 1 x 1 Mtr by Mechinary	Km	100000	1	110000	0.550		121000	0.000		133100	0.000						
	Sub Total:					0.550			0.000			0.000			0.000			0.000
III	SMC Works																	
10	Construction of Rock Fill Dams	No	10000		11000	0.000	3	12100	0.363	2	13310	0.266		14641	0.000		16105	0.000
11	Formation of Percolation Tanks	No	150000		165000	0.000		181500	0.00	0	199650	0.00						
12	Formation of Mini Percolation Tanks	No	50000		55000	0.000	1	60500	0.605	1	66550	0.67						
	Sub Total:					0.000			0.968			0.932			0.000			0.000
A	Nursery activities (including casualities)																	
1	Purchase of Bag Plants of size 6"x8" (@ Rs 10/- per each)	Plant	10.000	930	11.000	0.102	233	12.10	0.028	0	13.31	0.000						
2	Conversion of bag plants from 6"x8" to 9"x11"	Plant	15.674	930	17.241	0.160	233	18.97	0.044	0	20.86	0.000						
3	Maintenance of Bag Plants of 9"x11"	Plant	8.824		9.707	0.000	930	11.75		233	12.92	0.030	0	14.21	0.000			
	Sub Total:					0.263			0.072			0.030			0.000			0.000
	Nursery Infrastructure																	
4	Nursery Infrastructure	Ls				0.500	1	LS	0.500									0
	Sub Total:					0.500			0.500			0.000			0.000			0.000
B	Planting activities (LI method) - (3m x3m) - 0.7 Ha DFL Area																	
5	Advance Operations	Ha	56628	0.70	62291	0.436036												
6	Raising of Plantation	Ha	75851				0.70	91779	0.642									
7	1st Year Maintenance	Ha	49376							0.70	65719	0.460	0.00	72291	0.000			
8	2nd Year Maintenance	Ha	23125										0.70	33858	0.237	0.00	37243	0.000
9	3rd Year Maintenance	Ha	16739													0.70	26959	0.189
10	4th Year Maintenance	Ha	10946															
11	5th Year Maintenance	Ha	9488															
12	6th Year Maintenance	Ha	1833															
13	7th Year Maintenance	Ha	8038															
14	8th Year Maintenance	Ha	1833															
15	9th Year Maintenance	Ha	8038															
16	10th Year Maintenance	Ha	1833															
	Sub Total:					0.436			0.642			0.460			0.237			0.189

Year-wise detailed Abstract of CA scheme for Development of Degraded Forest Land (DFL) for 0.6 Ha in Compartment No. ----- of Singaraipet Beat of Tapalpur Section of Tadlapet Range of Jannaram Division of Mancherla District in lieu of Diversion of Forest land for Drinking Water Supply, Construction of 500 KL ELMBR on Jalagutta (Hillocks) including approach road under Water supply Improvement Scheme (Mission Bhageeratha)-In favour of Deputy Executive Engineer. PH Sub-Division Mancherla.

Sl. No	Item of Work 0.7 Ha DFL (@ 1111 plants per Ha)	2027-28			2028-29			2029-30			2030-31			2031-32			2032-33			2033-34			Grand Total		
		Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)
1	2	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	44	45	46
A	Protection																								
1	Digging of CPT 1.5 x 1 x 1 Mtr by Machinery																						1		0.550
	Sub Total:			0.000			0.000			0.000			0.000			0.000			0.000			0.000			0.550
II	SMC Works																								
10	Construction of Rock Fill Dams																						5		0.629
11	Formation of Percolation Tanks																						0		0.000
12	Formation of Mini Percolation Tanks																						2		1.271
	Sub Total:			0.000			0.000			0.000			0.000			0.000			0.000			0.000			1.900
A	Nursery activities (including casualities)																								
1	Purchase of Bag Plants of size 6"x8" (@ Rs. 10/- per each)																						1163		0.130
2	Conversion of bag plants from 6"x8" to 9"x11"																						1163		0.204
3	Maintenance of Bag Plants of 9"x11"																						1163		0.030
	Sub Total:			0.000			0.000			0.000			0.000			0.000			0.000			0.000			0.365
	Nursery Infrastructure																								
4	Nursery Infrastructure																						1		1.000
	Sub Total:			0.000			0.000			0.000			0.000			0.000			0.000			0.000			1.000
B	Planting activities (LI method) - (3m x3m) - 0.7 Ha DFL Area																								
5	Advance Operations																						1		0.436
5	Raising of Plantation																						1		0.642
7	1st Year Maintenance																						1		0.460
8	2nd Year Maintenance																						1		0.237
9	3rd Year Maintenance	0.00	29655	0.000																			1		0.189
10	4th Year Maintenance	0.70	19392	0.136	0.00	21331	0.000																1		0.136
11	5th Year Maintenance				0.70	18490	0.129	0.00	20339	0.000													1		0.129
12	6th Year Maintenance							0.70	3930	0.028	0.00	4323	0.000										1		0.028
13	7th Year Maintenance								17231	0.000	0.70	18954	0.133	0.00	20849	0.000							1		0.133
14	8th Year Maintenance								3930	0.000				0.70	4755	0.033	0.00	5230	0.000				1		0.033
15	9th Year Maintenance								17231	0.000							0.70	22934	0.161	0.00	25227	0.000	1		0.161
16	10th Year Maintenance								3930	0.000										0.70	5753	0.040	1		0.040
	Sub Total:			0.136			0.129			0.028			0.133			0.033			0.161			0.040			2.624

Sl. No	Item of Work 0.7 Ha DFL (@ 1111 plants per Ha)	Phy	Unit Cost 2021-22 (Rs.)	2022-23			2023-24			2024-25			2025-26			2026-27		
				Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)
C	Misc - Infrastructure & Admin. Charges																	
12	Monitoring and Awareness - Publicity	LS							0.200						0.200			
	Office Maintenance	Ls				0.20000						0.20000						0.200
	Sub Total:					0.200			0.200			0.200			0.200			0.200
	Total					1.949			2.383			1.622			0.437			0.389
D	Administrative cost 5% over core activities					0.087			0.109			0.071			0.012			0.009
	Grand Total					2.036			2.49			1.693			0.449			0.398

-31/-

L No	Item of Work 0.7 Ha DFL (@ 1111 plants per Ha)	2027-28			2028-29			2029-30			2030-31			2031-32			2032-33			2033-34			Grand Total		
		Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy		Fin
C	Misc - Infrastructure & Admin. Charges																								
12	Monitoring and Awareness - Publicity			0.200																			0		0.600
	Office Maintenance						0.200						0.20000						0.20000				0		1.200
	Sub Total:			0.200			0.200			0.000			0.200			0.000			0.200			0.000			1.800
	Total			0.336			0.329			0.028			0.333			0.033			0.361			0.040			8.238
D	Administrative cost 5% over core activities			0.007			0.006			0.001			0.007			0.002			0.008			0.002			0.322
	Grand Total			0.343			0.336			0.029			0.339			0.035			0.369			0.042			8.560

Forest Divisional Officer,
Jannaram

// Counter Signed //

District Forest Officer
Mancherial

26/12/2017

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UNIT COST FOR MAINTENANCE OF BAG PLANTS (September to till disposal) (9x11) - FSR 2021-22

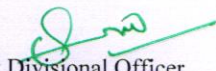

Sl. No.	FSR-2021-22 Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs.)	Per	
		MAINTENANCE OF BAG NURSERY FROM SEPTEMBER TO TILL DISPOSAL					
1	01.05.01	Watering plants for 10 m X 1 m size secondary bed	Bed/month	4	185.99	1	743.96
2	01.05.02	Shifting, grading and rearrangement in beds	Bed/weeding	1	258.26	1	258.26
3	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secundray beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secodary beds of Teak bedsor combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Watcher/month	5	9654.59	100	482.73
		Total					1484.95
		cost of each plant (500 Plants per bed)					2.9699

Forest Divisional Officer
Jannaram

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UNIT COST FOR MAINTENANCE OF BAG PLANTS (April to August) FSR -2021-22

Sl. No.	FSR-2021-22 Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs.)	Per	
	01.04.00	MAINTAINANCE OF BAG PLANTS NURSERY UPTO PLANTING SEASON (APRIL TO AUGUST) for 10 m X 1 m size secondary beds (2600 Nos of 4" X 7" bags; 1700 Nos of 5" X9" bags ; 1100 Nos. of 6"X12" bags; 800 Nos. of 8"X12" bags; 400 Nos. of 10"x16" bags per bed)					
	01.04.01	Watering polybag secondary beds twice a day for 4 months					
1	a	Manually with rose spray or finely perforated nozzle attached to a hose pipe	Bed/month	4	301.09	1	1204.36
2	01.04.02	Weeding once during maintenance year	Bed/weeding	1	55.29	1	55.29
3	01.04.03	Shifting, grading and rearrangement in beds	Bed/shifting	2	258.26	1	516.52
4	01.04.05	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from April to August	As per actuals	1	20.00	1	20.00
	01.04.06	Cowdung Slurry application (One can apply chemical foliar spray or apply cowdung slurry - not both)					
5	a	Cost and transportation of fresh cowdung	As per actuals	1	25.00	1	25.00
6	01.04.07	Weeding in the space between the beds, inspection path and surroundings of Nursery	Bed	1	30.43	1	30.43
7	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondray beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secodary beds of Teak bedsor combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Watcher/ month	4	9654.59	100	386.18
8	01.04.09	Electricity charges			550.00		550.00
		Total					2787.78
9	01.04.08	Contingencies @ 5%					139.39
		2021-22 Total					2927.17
		cost of each plant (500 Plants per bed)					5.8543


 Forest Divisional Officer
 Jannaram


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UNIT COST FOR CONVERSION FROM 6"x8" to 9"x11" (FSR -2021- 22)

Sl. No.	FSR 2021-22 Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs)	Per	
		CONVERSION of Root Trainer plants or 4"x7" or 5"x9" bag-plants into higher size bags - to be done during September - October. At the time of conversion, the height of the plants should be at least above 0.45m in height (excluding the height of polybag).					
		Cost and Transport of ingredients for Potting Mixture: Red Soil, tank-silt / clayey soil, FYM in 2:1:1 ratio. To this soil mixture, 220 gm of Indophyll M-45, 4.5 kg of single super phosphate (SSP) and 250 gm of phorate granules per 1 cum of potting mixture will be added. Cost of chemicals is as per actuals.					
	01.03.21	Transportation of soil mixture ingredients					
		Distance up to 5 km					
1	h	(h) 6" x 8" to 9" x 11" bags (4.717 - 1.433 = 3.284 cum) (500 Bags per Bed)	No	500	1312.81	1000	656.41
	01.03.22	Transportation of soil mixture ingredients more than 5 km distance and upto 25 km distance					
2	j	(j) 6" x 8" to 9" x 11" bags (4.717 - 1.433 = 3.284 cum)	No	500	33.18	1000	16.59
	01.03.24	Preparation of Potting Mixture by powdering of various ingredients, sieving and mixing them in prescribed proportion; opening of bags and filling with potting mixture partially, tearing the polybag plants and repotting them inside bigger bags and filling the rest of bags; gently pressing the same with finger tips and arranging in beds of 10x1 m size (6"x12" size: 1100 bag plants / bed and 8"x12" size": 800 bag plants per bed)					
3	h	(h) 6" x 8" to 9" x 11" bags (4.717 - 1.433 = 3.284 cum)	No	500	2273.54	1000	1136.77
	01.03.31	Weeding the plants (1100 no. of 6"x12"bags; 800 no. of 8"x12" bags; and 400 no. of 10"x16" bags) from November - March: 2 weeding					
4		Weeding the plants (2 weeding)	Bed	2	55.29	1	110.58
5	01.03.32	Shifting, Grading and rearranging in secondary beds - One Grading in February	Bed	2	258.26	1	516.52
	01.03.33	Watering the plants manually twice a day (from Novemebr - March) with rose spray or finely perforated nozzle attached to a hose pipe.					
6	a	Manually with rose spray or finely perforated nozzle attached to a hose pipe	Bed	5	301.15	1	1505.75
	01.03.37	Cost of foliar nutritient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from July to Oct.					35.00
7	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondray beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secodary beds of Teak bedsor combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Bed	4	9654.59	100	386.18
8		Cost of the ploythene bags					2500.00
9	01.03.39	Electricity charges					600.00
		Total					7463.80
10	01.03.38	Contingencies @ 5%					373.190
		Total for 500 plants					7836.99
		cost of each plant					15.6740

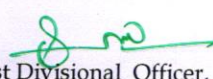
Forest Divisional Officer
Jannaram

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Advance Operations under Labour Intensive Method with 5m x 5m espacement

Unit area 1.00 Ha,

FSR Item No. 2021-22	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.01.00	ADVANCE OPERATION (PRE-PLANTING OPERATION) - All advance-operation works of plantations to be raised shall be completed before March. Perambulation of site, preparing site inspection report including type of vegetation and density, approval of site suitability and the category of jungle growth clearance, taking the images of the existing vegetation, preparation of treatment plan shall be prepared and approved in writing by DFO before taking up advance operation.				
02.01.01	Survey with hand-held GPS (staff to carry out) and demarcation - one manday is allowed for assistance. The surveyed sketch with exact effective area statement will be uploaded in MIS platform latest by December end.	1	393.21	Plantation	393
02.01.02	Clearing unsalable unwanted jungle growth (leaving all the tree species of good form particularly the hardwood tree species like Teak, Nallamaddi, Yegisa, Narepa, Somi, Jitregi, Billudu, Chenangi etc. and NTFP species like Ippa, Morri, Tani, Karaka, Vepa, Maredu, Tapasi, Tuniki, Chinta, Usuri, Nallajeedi etc.); Spreading the cut material all over the site; and Burning the same twice till completely burnt. All the above operations should be completed before December.				
	(a) Sparse Jungle growth (<10% ground area covered with Jungle growth)	0.40	2185.43	Ha	874
	(b) Very light jungle growth (>10% and upto 20% covered with Jungle growth)	0.40	3284.95	Ha	1314
	(c) Light Jungle Growth (>20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	0.20	7717.5	Ha	1544
02.01.03	Formation of Sector Lines / Fire Lines to a width of 3 m by giving surface treatment (sector to be in conformity with slope direction). All stumps to be cut to ground level.	150	6.45	Rmt	968
02.01.05	Alignment and stacking including demarcation of baseline				
	(a) 5 x 5 m espacement	1111	124.86	100 No's	1387
02.01.04	Cost of preparation of stakes (0.45 m length) and transportation to site	1111	59.81	100 No's	664
02.01.06	Digging of pits 45 cm ³ between January to March	1111	26.85	Each	29830
02.01.08	Digging of SCTs	0	344.74	cum	0
	Cost and transportation of soil mixtue for filling half of the pit and spreading around the pit - $0.45 \times 0.45 \times 0.45 = 0.0911$ cum = 50% of 0.0911=0.0456 Cum ($0.0456 \times 1111 = 50.61$)	50.6	388.34	cum	19654
	Unit Rate for 2021-22		Total		56628


Forest Divisional Officer,
Jannaram



Raising of Plantation under Labour Intensive Method with 5m x 5m espacement

Unit area 1.00 Ha.

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.02.00	Planting Operations during raising year				
02.02.01	Transportation of planting stock (including loading and unloading upto a distance of 5 Kms)				
02.02.02	(9"X11") bag plants	1111	268.03	100 Nos.,	2978.00
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance				
02.02.03	(9"X11") bag plants (20 x 9.42=188.40)	1111	188.40	100 Nos.,	2093.00
02.02.03	Transportation of Planting Stock (including loading and unloading) more than 25 km distance and for every extra km (with prior written approval of Circle Head)				
02.02.04	Internal transportation to planting points on head loads				
	(9"X11") bag plants (20 x 4.57 = 91.40)	1111	91.40	100 Nos.,	1015.00
02.02.04	Internal transportation to planting points on head loads				
02.02.07	(b) Planting in 45 cm ³ Pit	222.2	459.36	100 Nos.,	1021
02.02.11	Cost of DAP @ 25 gm / planting point	1111	1.20	Each	1333
02.02.12	Application of fertilizer in August (30 days after planting) by making 3 holes of 10 cm depth with crow bar holes at a distance of 10 cm away from plant and putting fertilizers and closing. Ensure that the soil is really wet at the time of DAP application.	1111	41.23	100 Nos.,	458
02.02.05	Application of 50 gm of SSP per pit (1 day before planting) for root growth and early establishment of plant after planting. Similarly, the bag plants to be planted are to be dipped inside Chloropyrphos solution (5 ml of Chloropyrphos in 1 lit water) either at nursery site before transport or at plantation site before planting	1111	41.23	100 Nos.,	458
02.02.06	Cost of SSP, Chloridine dust (50 gm) or Chloropyrphos (Rs. 2/- per plant)	As per actual	800	Ha.	2222
02.02.07	C- Planting in 60 cm ³ Pit	1111	1019.43	100 Nos.,	11326
02.01.04	ii) Cost of preparation of stakes (2.0 m length) and transportation to site (subject to condition that the seedling height is 1.5m to 2.0m height)	1111	1260.00	100.00	13999
02.02.09	Watering (one time) immediately after planting if the planting takes place on a non-rainy days and during dry spell - 4 waterings (278.11 x 4 = 1112.44)	1111	1112.44	100 Nos.,	12359
02.02.10	Replacement of Casualties: 20% during Raising Year & 25% in 1 st year The casualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year.				
02.01.06	Digging of pits 1 Mt cube size in hard gravelly and moram by machine	222	26.85	Each	5966
02.02.01	Transportation of planting stock (including loading and unloading upto a distance of 5 Kms)	222	268.03	100 Nos.,	596
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance (20 x 9.42 = 188.40)	222	188.40	100 Nos.,	419
02.02.03	Transportation of Planting Stock (including loading and unloading) more than 25 km distance and for every extra km (with prior written approval of Circle Head)	222	91.40	100 Nos.,	203
02.02.04	Internal transportation to planting points on head loads	222	173.08	100 Nos.,	385
02.02.07	(b) Planting in 45 cm ³ Pit	222.2	459.36	100 Nos.,	1021
02.02.11	Cost of DAP @ 25 gm / planting point	1111	1.20	Each	1333
02.02.12	Application of fertilizer in August (30 days after planting) by making 3 holes of 10 cm depth with crow bar holes at a distance of 10 cm away from plant and putting fertilizers and closing. Ensure that the soil is really wet at the time of DAP application.	1111	41.23	100 Nos.,	458

FSR Item No. 2021-22	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.02.13	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	1111	131.20	100 Nos.,	1458
02.02.14	Circular weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	1111	131.20	100 Nos.,	1458
02.02.15	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil	1111	689.06	100 Nos.,	7655
02.02.16	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July - August)				
	High rainfall zone > 800 m	1	1536.44	Ha.	1536
02.01.03	Formation of Sector Lines / Fire Lines to a width of 3 m by giving surface treatment (sector to be in conformity with slope direction). All stumps to be cut to ground level.	100	6.45	Rmt	645
02.02.21	Cost of Protection: (a) For fenced area: One Casual labour is allowed for the plantation more than 10.00 ha but less than 30.00 ha. in extent and two Casual labourers are allowed for more than 30.00 ha. Rs.9655 x 9 = 86895 /20	1	4345	Ha	4345
	Unit Rate for 2021-22		Total		75851

Forest Divisional Officer,
Jannaram

1st year maintenance of Plantation under Labour Intensive Method with 5m x 5m espacement

Unit area 1.00 Ha,

FSR Item No. 2021-22	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
01.03.05	Cost of transportation of soil mixtue for filling the pit and spreading around the pit - 25 % of pit - 0.25 x 0.45 cm x 0.45 cm x 0.45 cm	13	388.34	cum	5048
02.03.01	Replacement of Casualties: 25% in 1st year (In case of Eucalyptus: no casualty replacement). The list of all casualty points shall be prepared by concerned FRO by and made a report to DFO latest by end of May. The pitting of all such casualty points shall be over by end of June. The casualty replacement shall be completed by end of July.	Pitting, planting, transportation and internal transportation same as precribed in fresh planting			
02.01.06	Digging of pits 1 Mt cube size in hard gravelly and moram by machine	278	26.85	Each	7458
02.02.01	Transportation of planting stock (including loading and unlaoding upto a distance of 5 Kms)	278	268.03	100 Nos.,	744
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance	278	188.40	100 Nos.,	523
02.02.03	Transportation of Planting Stock (including loading and unloading) more than 25 km distance and for every extra km (with prior written approval of Circle Head)	278	91.40	100 Nos.,	254
02.02.04	Internal transportation to planting points on head loads	278	173.08	100 Nos.,	481
02.02.07	(b) Planting in 60 cm ³ Pit	278	459.36	100 Nos.,	1276
02.02.11	Cost of DAP @ 25 gm / planting point	1111	1.12	Each	1244
02.02.09	Watering (one time) immediately after planting if the planting takes place on a non-rainy days and during dry spell - 4 waterings	1111	1112.44	100 Nos.,	12359
02.03.02	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	1111	131.20	100 Nos.,	1458
02.03.03	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	1111	131.20	100 Nos.,	1458
02.03.04	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil	1111	689.06	100 Nos.,	7655
02.03.05	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July -August)				
	High rainfall zone > 800 mm	1	1536.44	Ha.	1536
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	638.68	100 Rmt	639
02.10.09	Cost of Protection: (a) For fenced area: One Casual labour is allowed for the plantation more than 10.00 ha but less than 30.00 ha. in extent and two Casual labourers are allowed for more than 30.00 ha. Rs.9655 x 12 = 115860 / 20	1	5793	Ha	5793
	Unit Rate for 2021-22		Total		49376

Forest Divisional Officer,
Jannaram

2nd year maintenance Plantatation under Labour Intensive Method with 5m x 5m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.01	Replacement of Casualties: 20% during Raising Year & 25% in 1 st year The caualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year. - 5% proposed	100% of unit rate of original pitting during raising year and 100% during maint. year. Planting, transportation and internal transportation same as adopted during raising year			
02.01.06	Digging of pits (b) (ii) 60 cm cube size in hard gravelly and moram Soil (Manual) - Rs.24.35 for 45 cm cube pit	56	26.85	Each	1492
02.02.01	Transportation of planting stock (including loading and unlaoding upto a distance of 5 Kms)	56	268.03	100 Nos.,	149
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance	56	188.40	100 Nos.,	105
02.02.03	Transportation of Planting Stock (including loading and unloading) more than 25 km distance and for every extra km (with prior written approval of Circle Head)	56	91.40	100 Nos.,	51
02.02.04	Internal transportation to planting points on head loads	56	173.08	100 Nos.,	96
02.02.07	(b) Planting in 60 cm ³ Pit	56	459.36	100 Nos.,	255
02.02.11	Cost of DAP @ 25 gm / planting point	1111	1.12	Each	1244
02.04.01	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	1111	131.20	100 Nos.,	1458
02.04.02	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	1111	131.20	100 Nos.,	1458
02.04.03	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil	1111	689.06	100 Nos.,	7655
02.04.04	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between the planting rows (to be undertaken during July -August)				
	High rainfall zone > 800 mm	1	1536.44	Ha.	1536
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	383.21	100 Rmt	383
02.02.20	Cost of Protection: (a) For fenced area: One Casual labour is allowed for the plantation more than 10.00 ha but less than 30.00 ha. in extent and two Casual labourers are allowed for more than 30.00 ha. Rs.Rs.9655 x 12 = 115860 / 20	1	5793	Ha	5793
	Unit Rate for 2021-22		Total		23125


Forest Divisional Officer,
Jannaram

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3rd year maintenance Plantatation under Labour Intensive Method with 5m x 5m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.04.01	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	1111	131.20	100 Nos.,	1458
02.04.03	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil	1111	689.06	100 Nos.,	7655
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	383.21	100 Rmt	383
02.04.06	Cost of Protection: (a) For fenced area: One Casual labour is allowed for the plantation more than 10.00 ha but less than 30.00 ha. in extent and two Casual labourers are allowed for more than 30.00 ha. Rs.Rs.9655 x 12 = 115860 / 20	1	5793	Ha	5793
	Unit Rate for 2021-22		Total		16739


 Forest Divisional Officer,
 Jannaram



4th year maintenance Plantatation under Labour Intensive Method with 5m x 5m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.04.01	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	1111	131.20	100 Nos.,	1458
02.04.03	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil	1111	689.06	100 Nos.,	7655
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	383.21	100 Rmt	383
02.04.07	Cost of Protection: (a) For fenced area: One Casual labour is allowed for the plantation more than 10.00 ha but less than 30.00 ha. in extent and two Casual labourers are allowed for more than 30.00 ha. Rs.9655 x 12 = 115860 / 20	1	5793	Ha	
	Unit Rate for 2021-22		Total		10946

Forest Divisional Officer,
Jannaram

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5th year maintenance Plantatation under Labour Intensive Method with 5m x 5m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
02.04.03	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil -1 time	1111	689.06	100 Nos.,	7655
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	383.21	100 Rmt	383
	Unit Rate for 2021-22		Total		9488

Forest Divisional Officer,
Jannaram

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6th year maintenance Plantatation under Labour Intensive Method with 5m x 5m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	383.21	100 Rmt	383
Unit Rate for 2021-22			Total		1833

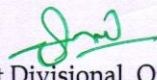
Forest Divisional Officer,
Jannaram

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7th year maintenance Plantatation under Labour Intensive Method with 5m x 5m espacement

Unit area 1.00 Ha.

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.04.03	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil -1 time	1111	689.06	100 Nos.,	7655
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	383.21	100 Rmt	383
	Unit Rate for 2021-22		Total		8038


Forest Divisional Officer,
Jannaram




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8th year maintenance Plantatation under Labour Intensive Method with 5m x 5m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	383.21	100 Rmt	383
	Unit Rate for 2021-22		Total		1833


Forest Divisional Officer,
Jannaram



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9th year maintenance Plantatation under Labour Intensive Method with 5m x 5m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.04.03	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil -1 time	1111	689.06	100 Nos.,	7655
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	383.21	100 Rmt	383
	Unit Rate for 2021-22		Total		8038


Forest Divisional Officer,
Jannaram

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10th year maintenance Plantatation under Labour Intensive Method with 5m x 5m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	1111	383.21	100 Rmt	383
Unit Rate for 2021-22			Total		1833


Forest Divisional Officer,
Jannaram



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UNIT COST FOR MEDICINAL PLANTATION ON SCTs (700 plants per Ha) (FSR 2021-22)

SI No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	03.02.08	Raising					
		A) Alingment and stacking	No	700	84.40	100	591
		B) cost of preparation of stacks (0.45Mts lengh and transportaion to the sites.	No	700	59.81	100	419
		C) Digging of 30 Cmq. Pits to be done during June	No	700	5.02	1	3514
		D) Transportation of Seedlings- up to 5Kms	No	700	114.87	100	804
		- 5 to 25 Kms (20 Km x 4.03 = 80.60)	No	700	80.60	100	564
	03.02.09 (ii)	c) Internal transporation	No	700	64.26	100	450
	03.02.10	d) Planting	No	700	147.62	100	1033
	03.02.11	Replacement of Casualties: 25% in 1st year (In case of Eucalyptus: no casualty replacement). The list of all casualty points shall be prepared by concerned FRO by and made a report to DFO latest by end of May. The pitting of all such casualty points shall be over by end of June. The casualty replacement shall be completed by end of July. (700 & 20% = 140 Nos)	140				
		a) Pitting	No	140	2.51	1	351
		b) Transportation of Seedlings- up to 5Kms	No	140	114.87	100	161
		- 5 to 25 Kms (20 Km x 4.03 = 80.60)	No	140	80.60	100	113
	03.02.09 (ii)	c) Internal transporation	No	140	64.26	100	90
	03.02.10	d) Planting	No	140	147.62	100	207
	03.02.12	Two Deep soil workings and saucer formation during June - July and September - October	No	700	459.36	100	6432
					Total		14729

or **14729.00** per Ha

UNIT RATE : P. Ha

14729.00 As per FSR 2021-22 per Ha

16201.90 10% excalation for 2022-23

Forest Divisional Officer
Jannaram