

Unit Cost for 5 Beds for Raising of Nurseries during 2021-22. (FSR 2021-22)

Target: 5 Beds

Sl. No	Description	FSR Code.	Qty	Rate	Per	Amount
1	2	3	4	5	6	7
1	Raising of Primary Beds <i>Primary beds of 1x1x0.3 m size for Miscellaneous species including bamboo - 50 primary beds for 1 lakh nursery is permitted. Primary beds should start from Jan - May depending on availability of fresh seeds. Once primary beds are formed, they can be used upto 5 years without changing the medium - what is required each time is solarization, burning a layer of grass on it and adding the below recommended fungicides and insecticides to the medium.</i>	01.00.00				
	Preparation of Old Site by dismantling old beds	01.01.02	5	1.38	Bed	7
2	Digging soil of the demarcated beds of 1x1x0.30 m size	01.01.03	5	42.06	Bed	210
3	Cost of sandy soil and transportation with 5 kms lead including loading and unloading charges (sandy soil and FYM in 5:1 ratio, i.e., 0.125 cum sandy soil and 0.025 cum FYM per primary bed	01.01.04	5	31.81	Bed	159
a	For every extra km beyond 5 km upto 25 km (20 Kms X 1.27 = 25.40)	01.01.05	5	25.40	Bed / km	127
4	Cost and transport of 0.025 cum FYM	01.01.06	5	27.34	Bed	137
5	Mixing of sandy soil and FYM in 5:1 proportion (50 % of volume of bed) with excavated soil and refilling the bed and levelling.	01.01.07	5	11.96	Bed	60
6	Covering the beds with dried grass and leaf litter and burning them to ash which can form the upper layer	01.01.08	5	13.67	Bed	68
7	Soil drenching with 0.1% Carbendazim (10 gm or 10 ml of Carbendazim in 1 lit of water)	01.01.09		By Nursery Watcher		
8	Cost of seed - seed weight, germination percentage and target of planting stock of individual species are to be taken into consideration while estimating the requirement of seeds	01.01.10		As per item No.13 under		10000
9	Seed dressing with Captan or Thiram at 3-5 gm / kg of seeds (the insecticide should be mixed with 250 gm of ash and then this should be thoroughly mixed with seeds to be sown after pretreatment and before sowing)	01.01.11		By Nursery Watcher		
10	Sowing of seed (finer seeds like Adina, Mitragyna, Anthocephalus etc. to be mixed with sand and broadcast - Bigger seeds to be dibbled in lines 1-2 cm apart) and covering the bed to a thickness of 2.5 cm with paddy hay including cost and conveyance	01.01.12	5	13.62	Bed	68
11	Watering the primary nursery beds with rose water cans twice daily for a maximum period of 2 months.	01.01.13	10	15.32	Bed/ month	153
12	Kerbing the primary beds all around with Cement Bricks (in permanent nurseries only), if required. In all such permanent primary beds, no incurring of expenditure for making the primary beds every year is permitted except for cost of fungicides. This item has to be done with prior written approval of DEO.	01.01.14	5	50.00	Per Bed	250
13	Cost of chemicals, fungicide and insecticide	01.01.15		As per actuals limited to Rs.1000/- per 1 lakh seedlings in primary bed stage		500
14	Application of Fungicide and insecticide with power-driven backpack mechanized sprayer as used in agricultural fields to spray insecticide.	01.01.16		By Nursery Watcher		
					Total ::	11739

Unit Cost for 5 Primary Beds :: 11739

1.1739

Forest Range Officer
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Forest Divisional Officer,
Khammam.

Unit Cost for Raising of Nurseries during 2022-23. (FSR 2021-22)

Target: 100000 / 90.90 Beds (6" X 8")

Sl. No	Description	FSR Code.	Qty	Rate	Per	Amount
1	2	3	4	5	6	7
	RAISING YEAR OF NURSERY	01.02.00				
1	BAG PLANT NURSERY: Seedlings need to be raised in 4"x7" (200 gauge) or 5"x9" (250 gauge) bags which are to be converted into 6"x12" (400 gauge) or 8"x12" (400 gauge) or 10"x16" (400 gauge) polybags. The seedlings are to be transplanted from primary beds in February - March. Hence the bags are to be filled during January - February when the <u>rain is due</u> <u>Raising of Nursery in Polythene bags in sizes of 4"x7" (200 gauge) or 5"x9" (250 gauge) bags and arranging in secondary beds (Bed size: 10.00 m X 1.00 m).</u>	01.03.00				
	Site preparation for Old Site - Clearing of growth, weeds, grass etc.	01.03.02	90.90	14.61	Bed	1328
2	ii) Cost of Gusseted Polybags (including the cost): To ensure quality control, the quality of bags have to be certified by CIPET (Central Institute of Plastic Engineering & Technology), Hyderabad at the cost of tenderer by taking samples from various lots of <u>Gusseted polybags</u> (b) 15.00 cm x 20.00cm(6" x 8") size bags: 250 g: 275 Nos / kg	01.03.03	As per approved Tender Rate finalized by the procurement committee during the year.			
			363.63	153	Kg	55635
3	Cost & 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 <u>Distance up to 5 km</u>	01.03.04				
	(c) 15.00 Cm X 20.00 cm(6" X 8") size Gusseted Polybags of 250 gauge : 1.433 Cu.m Volume for 1000 bags	01.03.05	100000	556.49	1000 bags	55649
3a	<u>For every extra km beyond 5 km upto 25 km</u>	01.03.06				
	(c) 15.00 Cm X 20.00 cm(6" X 8") size Gusseted Polybags of 250 gauge : 1.433 Cu.m Volume for 1000 bags (20 X 14.50 = 290)		100000	290.00	1000 bags	29000
4	Cost of Chemical component	01.03.07		As per Actuals		10000
5	Preparation of Potting Mixture by powdering of various ingredients, sieving and mixing them in prescribed proportion; opening of bags and filling with potting mixture and gently pressing the same with finger tips and arranging in beds. (c) 15.00 Cm X 20.00 cm(6" X 8") 1100 bags per bed	01.03.08				
			100000	1100.79	1000 bags	110079
6	Alignment of beds including alignment of inspection paths etc	01.03.09	90.9	8.38	Bed	762
7	Pricking out seedlings from primary beds and transplanting into polybags	01.03.10	50000	155.12	1000 bags	7756
8	Sowing / dibbling of pre-treated seeds (e.g. Yegisa, Nalamadi, Yerumaddi etc.) directly into bags including cost of treatment	01.03.11	50000	92.28	1000 bags	4614
9	Watering the plants <u>twice a day</u> from October - March (a) <u>Manually</u> with rose cans or finely perforated nozzle attached to a hose pipe (90.90 X 6 Month = 545.4)	01.03.12				
			545.4	301.09	Bed / month	164216
10	Weeding to be done for every 2 months from the date of transplantation up to March (90.9 X 3 = 272.70)	01.03.13	272.7	55.29	Bed / weeding	15078
11	1st shifting and grading after three months and consecutive shifting and grading after every two months till the nursery stock is lifted (90.90 X 2 = 181.80)	01.03.14	181.8	258.26	Bed / shifting	46952
12	Replacement of casualties after sorting out the empty bags and keeping at one end of the bed (maximum 10% of total stock is permissible)	01.03.15	9.09	73.32	Bed	666
13	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from July to Oct.	01.03.16		As per actuals with a maximum limit of Rs. 2000/ per 1 lakh polybag seedlings.		2000
14	Application prophylactic foliar spray of 0.2% of Carbendazim / Dithane M-45 and any organo-phosphate (Monocrotophos / Phosphamidon @ 3-4 ml in 1 lit of water) at regular interval (once in a month) alternatively. Similarly application of multiplex or NPK 19:19:19 (a teaspoon in 1 lit water) - once in a month - to start 1 month after conversion by back-packed power-sprayer (preferably in morning or evening and no watering for at least 12 hours after	01.03.17		By Nursery Watcher		

Sl. No	Description	FSR Code.	Qty	Rate	Per	Amount
1	2	3	4	5	6	7
15	Weeding in the space between the beds, inspection path and sorroundings of Nursery	01.03.18	90.9	37.71	Bed	3427
16	Cost of Watcher (6 Months)	01.05.04	6	9654.59	Month	57928
17	Contingencies - 3 %	01.07.17				16953
18	Eletricity Charges and Running and Maintenance of Oil Engine	01.07.18		As per Actuals		10000
					Total ::	592043

- Unit Cost for 1.00 lakh :: 592043

Unit Cost per each seedling :: 5.92

10000


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Forest Divisional Officer,
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Unit Cost for Conversion of Nurseries during 2023-24. (FSR 2021-22)

Target: 50000 / 100 Beds (6" X 8" to 9" X 11")

Sl. No	Description	FSR Code.	Qty	Rate	Per	Amount
1	2	3	4	5	6	7
1	CONVERSION of or 6"x8" bag-plants into higher size bags - 9" X 11" -	01.03.19				
2	Cost & Transport of ingredients for Potting Mixture: .	01.03.20				
	Cost & Transportation of soil mixture ingredients up to a distance of 5 km	01.03.21				
2a	(h) 6" x 8" to 9" x 11" bags (4.717 - 1.433 = 3.284 cum)		50000	1312.81	1000 bags	65640
	Transportation of soil mixture ingredients more than 5 km distance and upto 25 km distance	01.03.22				
2b	(j) 6" x 8" to 9" x 11" bags (4.717 - 1.433 = 3.284 cum) (33.18 X 20 Kms = 663.60)		50000	663.60	1000 bags	33180
3	Cost of Chemical component	01.03.23		As per Actuals		10000
4	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)	01.03.24				
	(h) 6" x 8" to 9" x 11" bags (4.717 - 1.433 = 3.284 cum)		50000	2273.54	1000 bags	113677
3	ii) Cost of Gusseted Polybags (including the cost): To ensure quality control, the quality of bags have to be certified by CIPET (Central Institute of Plastic Engineering & Technology), Hyderabad at the cost of tenderer by taking samples from various lots of Gusseted polybags	01.03.03	As per approved Tender Rate finalized by the procurement committee during			
	(d) 23 cm x 28 cm (9" x 11") size bags: 400 g: 83 Nos / kg				Kg	92167
4	(a) Preparation of Jeevamrutham, diluted in ratio of 1:4 to be applied twice a month, each dose of 50 ml. as basal dose after one month of conversion / transplanting. (The ingredients, their composition and preparation shall be as per instructions issued in PCCF Rc.No.6430/2019/SF-3. Dated 13.09.2019) The application can be for maximum of 3 months (Immediately after one month of conversion / transplanting)	01.03.25	7500	700.00	200 Liters	26250
5	(b) Application of Jeevamrutham			By Nursery watcher		
6	Stakes to be provided to plants in 8"x12", 9"x11", 10"x16" and 12"x13" bags with a minimum 1.50 mtr height	01.03.30	50000	5250.00	1000 bags	262500
7	Weeding the plants (1100 no. of 6"x12"bags; 800 no. of 8"x12" bags; and 400 no. of 10"x16" bags; 300 Nos of 12"x13" bags)	01.03.31				
	b) If the Conversion of small size bags into bigger size bag is done during September - October					
	(i) 1st weeding - December		100	55.29	Bed / weeding	5529
	(ii) 2nd weeding - February		100	55.29	Bed / weeding	5529
8	Shifting, grading and re-arrangement in beds	01.03.32				
	b) If the shifting and grading is done during September - October					
	i) Shifting and grading after 3 months after conversion and consecutive shifting and grading after every 2 months till the nursery stock is lifted (100 X 2 = 200)		200	258.26	Bed / Shifting	51652
9	Watering the plants manually twice a day with rose cans or finely perforated nozzle attached to a hose pipe.					
	a)If the Conversion of small size bags into bigger size bag is done during May / June .	01.03.33				
	Watering from September - March					
	(i) Manually with rose cans or finely perforated nozzle attached to a hose pipe (100 X 6 Months = 600)		600	301.15	Per bed / month	180690
10	Application prophylactic foliar spray of 0.2% of Carbendazim / Dithane M-45 and any organo-phosphate (Monocrotophos / Phosphamidon @ 3-4 ml in 1 lit of water) at regular interval (once in a month from Dec - March) alternatively. Similarly application of NPK 19:19:19 (a teaspoon in 1 lit water) - once in a month - to start 1 month after conversion by back-packed power-sprayer (preferably in morning or evening and no watering for at least 12 hours	01.03.34		By Nursery Watcher		

Sl. No	Description	FSR Code.	Qty	Rate	Per	Amount
1	2	3	4	5	6	7
11	Cost of foliar nutrient formulations like NPK-19:19:19; fungicides and Insecticides (from Dec - March)	01.03.35		As per actuals with a maximum limit of Rs. 2000/ per 1 lakh polybag seedlings.		2000
12	Contingencies for Raising Year towards the expenditure like cost of hose pipe, nursery boards, (store register for materials purchased to be maintained.)	01.03.36		As per actuals, subject to max. of 3% of estimate in raising year		25464
13	Contingencies for Electricity charges, Running & maintenance charges of oil engine (bills to be certified by DFO / FDO and a separate log book to be maintained for oil engine	01.03.37		As per Actuals		10000
14	Cost of Watcher (6 Months)	01.05.04	6	9654.59	Month	57928
					Total ::	942206

Unit Cost for 0.50 lakhs :: 942206

Unit Cost per each seedling :: 18.84


Forest Range Officer
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Forest Divisional Officer,
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**Unit Cost for Maintenance of Nurseries (April to August) during 2023-24.
(FSR 2021-22)**

Target: 100000 Nos

Sl. No	Description	FSR Code.	Qty	Rate	Per	Amount
1	2	3	4	5	6	7
1	MAINTENANCE 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" & 6"x8" bags ; 800 Nos. of 8"X12" bags; 400 Nos. of 10"x16" bags per bed)	01.04.00				
	Watering polybag secondary beds twice a day for 4 months	01.04.01				
	(a) <i>Manually</i> with rose cans or finely perforated nozzle attached to a hose pipe (100 X 4 Months = 400)		400	301.09	Bed / month	120437
2	Weeding once during maintenance year	01.04.02	100	55.29	Bed / weeding	5529
3	Shifting, grading and rearrangement in beds (100 X 2 = 200)	01.04.03	200	258.26	Bed / Shifting	51652
4	Application prophylactic foliar spray of 0.2% of Carbendazim / Dithane M-45 and any organo-phosphate (Monocrotophos / Phosphamidon @ 3-4 ml in 1 lit of water) at regular interval (once in a month from April to August) alternatively. Similarly, application of NPK 19:19:19 (1 teaspoon in 1 lit water) - once in a month - to be applied by back-packed power-sprayer (preferably in morning or evening and no watering for at least 12 hours after spray)	01.04.04		By Nursery Watcher	By Nursery Watcher	
5	Cost of foliar nutritient formulations like NPK-19:19:19; fungicides and insecticides (from April - August)	01.04.05		As per actuals with a maximum limit of Rs. 2000/ per 1 lakh polybag	As per actuals with a maximum limit of Rs. 2000/ per 1 lakh polybag seedlings	2000
6	Cowdung Slurry application (One can apply chemical foliar spray or apply cowdung slurry -not both)	01.04.06				
	(a) Cost and transportation of fresh cowdung			As per actual subject to maximum of Rs. 2500/	per 100 beds for 3 months	2000
	(b) Application of cowdung slurry - once per month between April to June - <i>Watering should not be done 12 hours before and after application of cowdung slurry treatment.</i>			By Nursery Watcher	1000 bags	
7	Weeding in the space between the beds , inspection path and surroundings of Nursery	01.04.07	100	30.43	per bed	3043
8	Contingencies for Maintenance Year towards the expenditure like cost of hose pipe, nursery boards, etc (Store register for materials purchased to be maintained).	01.04.08		As per actuals, subject to max. of 3% of estimate in maintenance year	As per actuals, subject to max. of 3% of estimate in maintenance year	5540
9	Contingencies for Electricity charges, Running & maintenance charges of oil engine (Bills to be certified by DFO / FDO and a separate log book to be maintained for oil engine)	01.04.09		As per Actuals	As per Actuals	5000
					Total ::	195201

Unit Cost for 1.00 lakh :: 195201

Unit Cost per each seedling :: 1.95


Forest Range Officer
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Forest Divisional Officer,
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Unit Cost for Advance Operations for Raising of Plantations under SMM Method during 2022-23. (FSR 2021-22)

Target: 1 Ha /1111

Sl. No	Description	FSR Code.	Qty	Rate	Per	Amount
1	2	3	4	5	6	7
1	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 by end of December.	02.08.01	1	393.21	Plantation	393
2	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. The unsuitable area shall be excluded from the clearing operation and the expenditure shall be incurred for effective area only. All the above operations shall be completed before December.	02.08.02				
	(b) Very Light Jungle Growth (>10% and upto 20% ground area covered with Jungle growth)		1	3284.95	Ha	3285
3	Uprootal of Stumps (excluding unsuitable patches) to a minimum depth of 45 cm with heavy machinery fitted with 0.90 cum and above capacity bucket, filling the pits caused by uprootal, and levelling. For retrived encroached area, the approval of Circle Head is required and the approval should indicate clearly the density of stumps or vegetation to be removed through uprootal. The uprootal work can be carried out preferably through tender	02.08.03				
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)		1	11037.51	Ha	11038
4	Collection and Removal of Uprooted Stumps of all sizes, other debris etc., to outside the plantation site.	02.08.04				
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)		1	9657.68	Ha	9658
5	Tilling (PERMISSIBLE FOR CA AREA ONLY) the soil to a depth of 45 cm in the effective area (excluding unsuitable patches) with heavy duty machinery fitted with 0.90 cum and above capacity bucket and levelling - ONLY PERMISSIBLE FOR CA AREA and written approval of Circle Head is needed and required budgetary provision has to find place in annual approved plan) and VIP planting area (minimum area should be more than 1 ha area).The uprootal and tilling works shall be done preferably through tender process and the execution of work should be completed before end of March.					
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)		1	15359.08	Ha	15359
					Total ::	39733


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**Unit Cost for Raising of Plantations under SMM Method during 2023-24
(FSR 2021-22)**

Target: 1 Ha /1111

Sl. No	Description	FSR Code.	Qty	Rate	Per	Amount
1	2	3	4	5	6	7
	PLANTING OPERATIONS DURING RAISING YEAR	02.09.00				
1	Removing congestion of root suckers and other uprooted material hindering the effective ploughing	02.09.01	1	1119.37	Ha	1119
2	Deep Ploughing the effective (excluding unsuitable patches) plantation area across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough (FOR UNTILLED AREA) - to be completed by 15th of June	02.09.02				
	(b) Hard soils like gravel and morum		1	5620.89	Ha	5621
3	Deep Ploughing the effective (excluding unsuitable patches) plantation area across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough FOR TILLED AREA ONLY	02.09.03	1	3361.60	Ha	3362
	Note: After intensive site preparation including clear-felling, burning, stump uprootal, removal of uprooted material, ploughing with the provision of removal of remnants of root suckers from soil, it is expected that there would not be any coppice growth subsequently at least for next 5-7 years					
4	Allignment & Stacking including demarcation of base line	02.09.04				
	(c) 3X3 m espacement = 1111 planting points		1111	93.82	100 nos	1042
5	i) Cost of preparation of stakes (0.45 m length) and transportation to site	02.09.05	1111	59.81	100 nos	664
5A	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) which includes cost of stake, coaltar application at the bottom of the stake (30 cm), transportation, fixing and tying.		1111	1260.00	100 nos	13999
6	Digging of Pits in Ploughed Areas in June - July by adopting 50% of original rate of digging of pits of ordinary soil	02.15.03				
	c) 60 cm ³ pits (Hard Gravel)		1111	50.99	Pit	56650
7	PLANTING OPERATIONS DURING RAISING YEAR					
a	(a) Transportation of Planting Stock (including loading and unloading) up to a distance of 5 km	02.09.07				
	(d) 23 X 28 cm (9"X11") bag plants		1111	268.03	100 nos	2978
b	(b) Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance	02.09.08				
	(d) 23 X 28 cm (9"X11") bag plants - (20 Kms X 9.42 = 188.40)		1111	188.40	100 nos / km	2093
c	Internal transportation to planting points on head loads	02.09.10				
	(d) 23 X 28 cm (9"X11") bag plants		1111	173.08	100 nos	1923
8	PLANTING: No Eucalyptus, not even mixed with bamboo, shall be planted in CA area. Only indigenous secondary hardwood species and its associates mixed with local NTFP species shall be planted in CA areas. The minimum height of the planting stock to be planted 1m height (excluding the height of the bag)					
	Fortification of seedling with insecticide and treating pits with SSP	02.09.11				
	(a) Application of 50 gm of SSP per pit (1 day before planting) for root growth and early establishment of plant after planting. ii) Similarly, the bag plants to be planted will be dipped inside Chloropyriphos solution (5ml Chloropyriphos in 1 lit water) either at nursery site before transport or at plantation site before planting		1111	41.23	100 nos	458
	(b) Cost of SSP, Chloridine dust or Chloropyriphos			As per Actuals	As per Actuals	2000
9	Planting in various size pits	02.09.12				
	b) Planting in 45 cm ³ Pit		1111	459.36	100 nos	5103
10	Watering (one time) immediately after planting if the planting takes place on a non-rainy days and during dry spell	02.09.14				
	a) One critical watering after planting if planting takes place on non-rainy days with the prior written permission of DFO / FDO.		1111	278.11	100 nos / each watering	3090

Sl. No	Description	FSR Code.	Gty	Rate	Per	Amount
1	2	3	4	5	6	7
	b) 2nd watering if dry spell is more than 5-6 days after first watering on the day of planting with the prior written permission of Circle Head.		1111	278.11	100 nos / each watering	3090
	<i>Note: The Plantation In-charge Officer should record the watering operations in Watering Watch Register and MB on the same day of watering.</i>					
11	Replacement of Casualties: 20% during Raising Year. (In case of Eucalyptus: 10% during raising and no casualty replacement for further maintenance). <i>The casualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year</i>	02.09.15		50% of unit rate of original pitting during raising year and 100% during maint. year.	Planting transportation	
	Digging of Pits 45 cm ³ Pit		222	25.495	1	5660
a	(a) Transportation of Planting Stock (including loading and unloading) up to a distance of 5 km	02.09.07				
	(d) 23 X 28 cm (9"X11") bag plants		222	268.03	100 nos	595
b	(b) Transportation of Planting Stock (including loading and unloading) <u>more than 5 km distance and upto 25 km distance</u>	02.09.08				
	(d) 23 X 28 cm (9"X11") bag plants - (20 Kms X 9.42 = 188.40)		222	188.40	100 nos / km	418
c	Internal transportation to planting points on head loads	02.09.10				
	(d) 23 X 28 cm (9"X11") bag plants		222	173.08	100 nos	384
d	Planting in various size pits	02.09.12				
	b) Planting in 45 cm ³ Pit		222	459.36	100 nos	1020
12	Cost of DAP @ 25 gm / planting point	02.09.16	1111	As per Actuals	As per Actuals	2000
13	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.	02.09.17	1111	41.23	100 nos	458
14	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	02.09.18	1111	131.20	100 nos	1458
15	Circular weeding cum Deep Soil working to a radius of 0.5m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec)	02.09.19	1111	689.06	100 nos	7655
16	Inter-ploughing (during November) the effective (excluding unsuitable patches) plantation area across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough	02.09.20				
	(b) Hard gravelly soil		1	3502.95	Ha	3503
17	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during October)	02.09.21	1111	130.43	100 nos	1449
18	Uprootal of Mahaveera (Hyptis suaveolens) weed with prior written approval of Circle Head and taking photograph before and after uprootal. The weed removal shall be completed before September-end at any cost before inter-ploughing.	02.09.22	1	3833.45	Per ha (effective area)	3833
19	Enumeration of row-wise survival and average growth twicw in raising year - Number of plants planted and Number surviving (to be undertaken during May & Dec.) and entered in Plantation Journal. Minimum stocking of 90% and average minimum height of 1.5 m at the end of raising year.	02.09.23		To be done by the staff (plantation-in-charge) with the	To be done by the staff (plantation-in-charge) with the help of Plantation	
20	Contingencies provision for Raising of plantaitons:					
	i) Fixing of Plantation Boards and Corner Stones	02.09.24		As per Actuals	As per Actuals	15000
	ii) Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 5,000/-)			with in 5% of the estimate cost subject to ceiling of Rs. 5,000/-		1000
					Total ::	147625


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**Unit Cost for 1st Year Maintenance of Plantations under SMM Method
during 2024-25 - (FSR 2021-22)**

Target: 1 Ha /1111

Sl. No	Description	FSR Code.	Qty	Rate	Per	Amount
1	2	3	4	5	6	7
	1st YEAR MAINTENANCE	02.10.00				
1	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 planting shall be completed by 15th of July.	02.10.01		Pitting, planting, transportation and internal transportation same as prescribed in fresh planting	Pitting, planting, transportation and internal transportation same as prescribed in fresh planting	
	Digging of Pits 45 cm ³ Pit		278	5.595	1	1555
a	(a) Transportation of Planting Stock (including loading and unloading) up to a distance of 5 km	02.09.07				
	(d) 23 X 28 cm (9"X11") bag plants		278	268.03	100 nos	745
b	(b) Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance	02.09.08				
	(d) 23 X 28 cm (9"X11") bag plants - (20 Kms X 9.42 = 188.40)		278	188.40	100 nos / km	524
c	Internal transportation to planting points on head loads	02.09.10				
	(d) 23 X 28 cm (9"X11") bag plants		278	173.08	100 nos	481
d	Planting in various size pits	02.09.12				
	b) Planting in 45 cm ³ Pit		278	459.36	100 nos	1277
2	Weeding and saucer formation to a radius of 0.5 mts around the plant during June.	02.10.02	1111	131.20	100 nos	1458
3	Circular weeding cum Deep Soil working to a radius of 0.5m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec)	02.10.03	1111	689.06	100 nos	7655
4	Uprootal of Mahaveera (<i>Hyptis suaveolens</i>) weed with prior written approval of Circle Head and taking photograph before and after uprootal. The weed removal shall be completed before August-end (before flowering) at any cost before inter-ploughing.	02.10.04	1	3833.45	Per ha (effective area)	3833
5	Inter-ploughing (during September) the effective plantation area (excluding unsuitable patches) across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough. <i>This operation shall be carried out after Mahaveera uprootal is completed. Inter-ploughing should not be used as a means of Mahaveera uprootal.</i>	02.10.05	1	2553.54	Ha	2554
6	Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height (to be done during July-Aug)	02.10.06	1111	130.48	100 nos	1450
7	Enumeration of row-wise survival and average growth twice a year - Number of plants planted and Number surviving (to be undertaken during May & Dec.) and entered in Plantation Journal. Minimum stocking of 90% and average minimum height of 2.5 m at the end of raising year	02.10.07		To be done by the staff (plantation-in-charge) with the help of Plantation Watcher		
8	Contingencies provision for maintenance of plantations:	02.10.08				
	i) Maintenance of Plantation Boards and Corner Stones			As per Actuals	As per Actuals	2000

Sl. No	Description	FSR Code.	Qty	Rate	Per	Amount
1	2	3	4	5	6	7
	ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)			with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-		1000
					Total ::	24532


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**Unit Cost for 2nd Year Maintenance of Plantations under SMM Method
during 2025-26 - (FSR 2021-22)**

Target: 1 Ha /1111

Sl. No	Description	FSR Code.	Qty	Rate	Per	Amount
1	2	3	4	5	6	7
	2nd YEAR MAINTENANCE	02.11.00				
1	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	02.11.02	1111	689.06	100 nos	7655
2	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be carried out during July-Aug)	02.11.03	1111	130.48	100 nos	1450
	Enumeration of row-wise survival and average growth twice a year - Number of plants planted and Number surviving (to be undertaken during May & Dec) and entered in Plantation Journal. Minimum stocking of 90% and average minimum height of 3 m at the end of 2nd year maintenance period.	02.11.04		To be done by the staff (plantation-in-charge) with the help of Plantation Watcher	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher	
3	Contingencies provision for maintainence of plantaitons:	02.11.05				
	i) Maintenance of Plantation Boards and Corner Stones			As per Actuals	As per Actuals	1000
	ii) Contingences and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)			with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-	with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-	1000
					Total ::	11105


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**Unit Cost for 3rd Year Maintenance of Plantations under SMM Method
during 2026-27 - (FSR 2021-22)**

Target: 1 Ha /1111

Sl. No	Description	FSR Code.	Qty	Rate	Per	Amount
1	2	3	4	5	6	7
	2nd YEAR MAINTENANCE	02.11.00				
1	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	02.11.02	1111	689.06	100 nos	7655
2	Pruning of lower branch Initials of Timber and NTFP species by scicature upto 1/3 rd height (to be carried out during July-Aug)	02.11.03	1111	130.48	100 nos	1450
	Enumeration of row-wise survival and average growth twice a year - Number of plants planted and Number surviving (to be undertaken during May & Dec) and entered in Plantation Journal. Minimum stocking of 90% and average minimum height of 3 m at the end of 2nd year maintenance period.	02.11.04		To be done by the staff (plantation in-charge) with the help of Plantation Watcher	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher	
3	Contingencies provision for maintainence of plantaitons:	02.11.05				
	i) Maintenance of Plantation Boards and Corner Stones			As per Actuals	As per Actuals	1000
	ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)			with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-	with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-	1000
					Total ::	11105


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**Unit Cost for 4th Year Maintenance of Plantations under SMM Method
during 2027-28- (FSR 2021-22)**

Target: 1 Ha /1111

Sl. No	Description	FSR Code.	Qty	Rate	Per	Amount
1	2	3	4	5	6	7
	2nd YEAR MAINTENANCE	02.11.00				
1	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	02.11.02	1111	689.06	100 nos	7655
2	Pruning of lower branch initials of Timber and NTFP species by scilature upto 1/3 rd height (to be carried out during July-Aug)	02.11.03	1111	130.48	100 nos	1450
	Enumeration of row-wise survival and average growth twice a year - Number of plants planted and Number surviving (to be undertaken during May & Dec) and entered in Plantation Journal. Minimum stocking of 90% and average minimum height of 3 m at the end of 2nd year maintenance period.	02.11.04		To be done by the staff (plantation-in-charge) with the help of Plantation Watcher	To be done by the staff (plantation-In-charge) with the help of Plantation Watcher	
3	Contingencies provision for maintainence of plantaitons:	02.11.05				
	i) Maintenance of Plantation Boards and Corner Stones			As per Actuals	As per Actuals	1000
	ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)			with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-	with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-	1000
					Total ::	11105


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**Unit Cost for 5th Year Maintenance of Plantations under SMM Method
during 2028-29 - (FSR 2021-22)**

Target: 1 Ha /1111

Sl. No	Description	FSR Code.	Qty	Rate	Per	Amount
1	2	3	4	5	6	7
	2nd YEAR MAINTENANCE	02.11.00				
1	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	02.11.02	1111	689.06	100 nos	7655
2	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be carried out during July-Aug)	02.11.03	1111	130.48	100 nos	1450
	Enumeration of row-wise survival and average growth twice a year - Number of plants planted and Number surviving (to be undertaken during May & Dec) and entered in Plantation Journal. Minimum stocking of 90% and average minimum height of 3 m at the end of 2nd year maintenance period.	02.11.04		To be done by the staff (plantation in-charge) with the help of Plantation Watcher	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher	
3	Contingencies provision for maintainence of plantaitons:	02.11.05				
	i) Maintenance of Plantation Boards and Corner Stones			As per Actuals	As per Actuals	1000
	ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)			with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-	with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-	1000
					Total ::	11105


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**Unit Cost for 6th Year Maintenance of Plantations under SMM Method
during 2029-30 - (FSR 2021-22)**

Target: 1 Ha /1111

Sl. No	Description	FSR Code.	Qty	Rate	Per	Amount
1	2	3	4	5	6	7
	2nd YEAR MAINTENANCE	02.11.00				
1	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	02.11.02	1111	689.06	100 nos	7655
2	Pruning of lower branch initials of Timber and NTFP species by scilature upto 1/3 rd height (to be carried out during July-Aug)	02.11.03	1111	130.48	100 nos	1450
	Enumeration of row-wise survival and average growth twice a year - Number of plants planted and Number surviving (to be undertaken during May & Dec) and entered in Plantation Journal. Minimum stocking of 90% and average minimum height of 3 m at the end of 2nd year maintenance period.	02.11.04		To be done by the staff (plantation-in-charge) with the help of Plantation Watcher	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher	
3	Contingencies provision for maintainence of plantaitons:	02.11.05				
	i) Maintenance of Plantation Boards and Corner Stones			As per Actuals	As per Actuals	1000
	ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)			with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-	with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-	1000
					Total ::	11105


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**Unit Cost for 7th Year Maintenance of Plantations under SMM Method
during 2030-31 - (FSR 2021-22)**

Target: 1 Ha /1111

Sl. No	Description	FSR Code.	Qty	Rate	Per	Amount
1	2	3	4	5	6	7
	2nd YEAR MAINTENANCE	02.11.00				
1	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	02.11.02	1111	689.06	100 nos	7655
2	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be carried out during July-Aug)	02.11.03	1111	130.48	100 nos	1450
	Enumeration of row-wise survival and average growth twice a year - Number of plants planted and Number surviving (to be undertaken during May & Dec) and entered in Plantation Journal. Minimum stocking of 90% and average minimum height of 3 m at the end of 2nd year maintenance period.	02.11.04		To be done by the staff (plantation-in-charge) with the help of Plantation Watcher	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher	
3	Contingencies provision for maintainence of plantaitons:	02.11.05				
	i) Maintenance of Plantation Boards and Corner Stones			As per Actuals	As per Actuals	1000
	ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)			with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-	with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-	1000
					Total ::	11105


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**Unit Cost for 8th Year Maintenance of Plantations under SMM Method
during 2031-32 - (FSR 2021-22)**

Target: 1 Ha /1111

Sl. No	Description	FSR Code.	Qty	Rate	Per	Amount
1	2	3	4	5	6	7
	2nd YEAR MAINTENANCE	02.11.00				
1	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	02.11.02	1111	689.06	100 nos	7655
2	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be carried out during July-Aug)	02.11.03	1111	130.48	100 nos	1450
	Enumeration of row-wise survival and average growth twice a year - Number of plants planted and Number surviving (to be undertaken during May & Dec) and entered in Plantation Journal. Minimum stocking of 90% and average minimum height of 3 m at the end of 2nd year maintenance period.	02.11.04		To be done by the staff (plantation-in-charge) with the help of Plantation Watcher	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher	
3	Contingencies provision for maintainence of plantaitons:	02.11.05				
	i) Maintenance of Plantation Boards and Corner Stones			As per Actuals	As per Actuals	1000
	ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)			with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-	with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-	1000
					Total ::	11105


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**Unit Cost for 9th Year Maintenance of Plantations under SMM Method
during 2032-33 - (FSR 2021-22)**

Target: 1 Ha /1111

Sl. No	Description	FSR Code.	Qty	Rate	Per	Amount
1	2	3	4	5	6	7
	2nd YEAR MAINTENANCE	02.11.00				
1	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	02.11.02	1111	689.06	100 nos	7655
2	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be carried out during July-Aug)	02.11.03	1111	130.48	100 nos	1450
	Enumeration of row-wise survival and average growth twice a year - Number of plants planted and Number surviving (to be undertaken during May & Dec) and entered in Plantation Journal. Minimum stocking of 90% and average minimum height of 3 m at the end of 2nd year maintenance period.	02.11.04		To be done by the staff (plantation in-charge) with the help of Plantation Watcher	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher	
3	Contingencies provision for maintainence of plantaitons:	02.11.05				
	i) Maintenance of Plantation Boards and Corner Stones			As per Actuals	As per Actuals	1000
	ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)			with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-	with In 3% of the estimate cost subject to ceiling of Rs. 3,000/-	1000
					Total ::	11105


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**Unit Cost for 10th Year Maintenance of Plantations under SMM Method
during 2033-34 - (FSR 2021-22)**

Target: 1 Ha /1111

Sl. No	Description	FSR Code.	Qty	Rate	Per	Amount
1	2	3	4	5	6	7
	2nd YEAR MAINTENANCE	02.11.00				
1	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	02.11.02	1111	689.06	100 nos	7655
2	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be carried out during July-Aug)	02.11.03	1111	130.48	100 nos	1450
	Enumeration of row-wise survival and average growth twice a year - Number of plants planted and Number surviving (to be undertaken during May & Dec) and entered in Plantation Journal. Minimum stocking of 90% and average minimum height of 3 m at the end of 2nd year maintenance period.	02.11.04		To be done by the staff (plantation-in-charge) with the help of Plantation Watcher	To be done by the staff (plantation-in-charge) with the help of Plantation Watcher	
3	Contingencies provision for maintainece of plantaitons:	02.11.05				
	i) Maintenance of Plantation Boards and Corner Stones			As per Actuals	As per Actuals	1000
	ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)			with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-	with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-	1000
					Total ::	11105


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