

UNIT COST FOR RAISING OF PRIMARY BEDS (September & October)

Sl. No.	FSR-2021-22 Code	Item of work	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	7
1	01.00.00	Raising of primary beds			
2	01.01.01	Preparation of new site	Bed	5.46	5.46
3	01.01.03	Digging of soil of the demarcated beds	Bed	42.06	42.06
4	01.01.04	Cost of sandy soil and transportation	Bed	31.81	31.81
5	01.01.05	5 Kms to 25 Kms	Bed	25.40	25.40
6	01.01.06	Cost of FYM	Bed	27.34	27.34
7	01.01.07	Mixing of soil with FYM	Bed	11.96	11.96
8	01.01.08	Covering the beds	Bed	13.67	13.67
9	01.01.09	Soil drenching			
10	01.01.10	Cost of seed	Bed	500.00	200.00
11	01.01.12	Sowing of seed	Bed	13.62	13.62
12	01.01.13	Watering the primary nursery beds	2months	30.64	19.06
13	01.01.14	Kerbing the primary beds	Bed	35.00	25.00
14	01.01.15	Cost of chemicals	Bed	50.00	20.00
16		Electrical Charges		50.00	20.00
		Total			455.38
		Rasing of seedlings 110% for obtaining 100%		10%	45.54
		Total			500.918
		cost of each plant (2000 plants per bed)			0.25
		Unit cost for 2021 - 22			0.25


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UNIT COST FOR BAG PLANT NURSERY (NOVEMBER TO MARCH)

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Sl. No.	FSR-2021-22 Code	Item of work	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	7
	01.03.00	Raising of bag plant nursery 4X7			
1	01.03.01	Site preparation	Bed	54.68	54.68
2	01.03.03	Cost of polythene bag - 589Nos/Kg	Bed	824.50	824.50
3	01.03.04	Cost of transportation of ingredients for potting mixture (cost of coco pit)			
4	01.03.05	10 cm x 17.5 (4" x 7")	Bed	565.27	565.27
5	01.03.06	For every extra km beyond 5 Kms upto 25 Kms 10 cm x 17.5 (4" x 7")	Bed	294.84	294.84
6	01.03.07	Cost of Chemical component	Bed	AA	1500.00
7	01.03.08	Preparation of potting mixture (b)10 cm x 17.5 (4" x 7")	Bed	1673.75	1673.75
8	01.03.09	Alignment of beds	Bed	8.38	8.38
9	01.03.10	Pricking out seedlings	Bed	403.31	403.31
10	01.03.12	Watering the plants (5 Months) a) Manually with rose cans or finely perforated nozzle	Bed	1505.45	1505.45
11	01.03.13	Weeding the beds (3 weeding)	Bed	110.58	110.58
12	01.03.14	Shifting, Grading and re-arranging (2 Gradings) twice	Bed	516.52	516.52
13	01.03.15	Replacement of casualties	Bed	73.32	73.32
14	01.03.16	Cost of foliar nutrient formulations	Bed	52.00	52.00
15	01.03.18	Weeding in the space between the beds	Bed	37.71	37.71
16	01.05.04	Watch and Ward (5 Months)	Bed	9654.59	9654.59
17		Electricity charges		500.00	500.00
		Total			17774.90
					1777.49
		add casualty 10%			19552.39
		Grand Total			7.52
		cost of each plant (2600 plants per bed)			7.52
		Unit cost for 2021 - 22			

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UNIT COST FOR MAINTENANCE OF BAG PLANTS (4"x7")

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Sl. No.	FSR-2021-22 Code	Item of work	Unit	Rate	Amount
1	2	3	4	5	7
		Maintenance of Bag plants			
1	01.04.01	Watering poly bag (April & May)	Bed	602.18	602.18
2	01.04.02	Weeding	Bed	55.29	55.29
3	01.04.03	Shifting and grading	Bed	258.26	258.26
4	01.04.04	Cost of foliar nutrient formulations	Bed	52.00	52.00
5	01.04.06	Cost and transportation of fresh cowdung	Bed	50.00	50.00
6	01.04.07	Weeding in the space between the beds	Bed	30.43	30.43
7	01.04.08	Contingencies		1000.00	1000.00
8	01.04.09	Electricity charges		1000.00	1000.00
9	01.05.04	Watch and ward (2 months)		3861.84	3861.84
		Total			6910.00
		cost of each plant (2600 plants per bed)			2.66
		Unit cost for 2021 - 22			2.66
		Unit cost for 2022 - 23			2.92

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UNIT COST FOR CONVERSION FROM 4"x7" to 9"x11" (500 plants) - June to March

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Sl. No.	FSR-2021-22 Code	Item of work	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	7
		Conversion of bags from 4"x7" to 9"x11"			
1		Cost of the ploythene bags (83 Nos per Kg)	13.25	170.00	2253
2	01.03.20	Cost and Transportation of ingredients for potting mixture (cost of coco pit)			
3	01.03.21	Upto 5Kms - 4"x7" to 9"x11"	1000 plants	807.14	807.14
4	01.03.22	5Kms to 25Kms - 4"x7" to 9"x11"	1000 plants	419.40	419.40
5	01.03.23	Cost of chemical		AA	500.00
6	01.03.24	Preparation of potting mixture by powering of various ingredients 4"x7" to 9"x11"polybags	1000 plants	1439.00	1439.00
7	01.03.30	Stakes	1000 plants	2500.00	2500.00
8	01.03.31	Weeding the plants - 3 weedings	1000 plants	331.74	331.74
9	01.03.32	Shifting, Grading - 3 Nos	1000 plants	1549.56	1549.56
10	01.03.33	Watering the plants manually twice a day Manually with rose can (June to August)	1000 plants	903.54	903.54
11		Watering the plants manually twice a day Manually with rose can (September to March)	1000 plants	4216.10	4216.10
12	01.03.35	Cost of foliar nutrient formulations	1000 plants	10.00	10.00
13	01.03.36	Contingencies			500.00
14	01.03.36	Electricity charges			500.00
15	01.05.04	Watch and Ward (10 Months)	1000 plants	7849.26	7849.26
		Total			23778.24
		cost of each plant			23.78
		Unit cost for 2021 - 22			23.78
		Unit cost for 2022 - 23			26.16


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UNIT COST FOR MAINTENANCE OF BAG PLANTS (9X11)

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Sl. No.	FSR-2021-22 Code	Item of work	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	7
		Maintenance of Bag plants for 1st year maintenance			
1	01.04.01	Watering poly bag (March to August)	Bed	929.95	929.95
2	01.04.02	Weeding	Bed	55.29	55.29
3	01.04.03	Shifting and grading	Bed	516.58	516.58
4	01.04.05	Cost of foliar nutrient formulations	As per actuals	10.00	10.00
7	01.05.04	Watch and ward (12 months)		9654.59	9654.59
8	01.04.08	Contingencies		100.00	100.00
9	01.04.09	Electricity charges		100.00	100.00
		Total			11366.41
		cost of each plant (500 Plants per bed)			22.73
		Unit cost for 2021 - 22			22.73
		Unit cost for 2022 - 23			25.01
		Unit cost for 2023 - 24			27.51


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UNIT COST FOR MAINTENANCE OF BAG PLANTS (9X11)

Sl. No.	FSR-2021-22 Code	Item of work	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	7
		Maintenance of Bag plants for 1st year maintenance			
1	01.04.01	Watering poly bag (Sep to March)	Bed	1301.93	1301.93
2	01.04.02	Weeding	Bed	55.29	55.29
3	01.04.03	Shifting and grading	Bed	774.87	774.87
4	01.04.05	Cost of foliar nutrient formulations	As per actuals	10.00	10.00
7	01.05.04	Watch and ward (7 months)		13516.43	13516.43
8	01.04.08	Contingencies		200.00	200.00
9	01.04.09	Electricity charges		200.00	200.00
		Total			16058.52
		cost of each plant (500 Plants per bed)			32.12
		Unit cost for 2021 - 22			32.12
		Unit cost for 2022 - 23			35.33


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UNIT COST FOR MAINTENANCE OF BAG PLANTS (9X11)

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Sl. No.	FSR-2021-22 Code	Item of work	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	7
		Maintenance of Bag plants			
1	01.04.01	Watering poly bag (April to August)	Bed	1204.36	1204.36
2	01.04.02	Weeding	Bed	55.29	55.29
3	01.04.03	Shifting and grading	Bed	516.58	516.58
4	01.04.05	Cost of foliar nutrient formulations	As per actuals	10.00	10.00
5	01.04.06	Cost and transportation of cow dung slurry	Bed	50.00	50.00
6	01.04.07	Weeding in the space between the beds	Bed	30.43	30.43
7	01.05.04	Watch and ward (5 months)		3924.63	3924.63
8	01.04.08	Contingencies		500.00	500.00
9	01.04.09	Electricity charges		500.00	500.00
		Total			6791.29
		cost of each plant (500 Plants per bed)			13.58
		Unit cost for 2021 - 22			13.58
		Unit cost for 2022 - 23			14.94

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Unit Cost for Advance operations under BHA method (250 plants per ha)

FSR Item No.	Item of work	Qty	Rate in Rs	Per	Amount in Rs
02.18.01	Survey with GPS (Only staff to carry out)	1	393.21	Plantation	393
02.18.03	Alignment and staking including laying base line in espacement (200 Nos)	250	124.86	100	312
02.18.04	Cost of 0.45 M Stake preparation and transportation to site.	250	59.81	100	150
02.18.05	Digging of pits in hard Gravelly soils (January - March)				
	Digging of 100 cm x 100 cm x 100 cm	250	102.00	Pit	25500
02.18.06	Digging of trenches				
	Digging of trenches in hard Gravelly soils.	50	306.55	Cum	15328
	Unit cost for 2021 - 22				41682
	Unit cost for 2022 - 23				45850


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FSR code No.	Item of the Work.	Qty	Rate in Rs	Per	Amount in Rs
	Cost of transportation of soil mixtue for filling the pit and spreading around the pit - 35 % of pit - 0.35 x 1 cm x 1 cm x 1 cm	87.5	310.86	1	27200
02.18.07	Transportation of Planting Stock (including loading and unloading) up to distance of 5 km (a)23X28cm (9"X11") bag plants	250	268.03	100	670
02.18.08	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance (a)23X28cm (9"X11") bag plants	250	188.40	100	471
02.18.09	Transport of Bag plants plants from nursery site to plantation site including loading and unloading beyond 25 Km - extra for every each Km. (20 Kms) 23X28cm (9"X11") bag plants	250	114.25	100	286
02.18.10	Internal transport of bag plants to planting points on head loads. 23X28cm (9"X11") bag plants	250	173.08	100	433
02.18.04	Cost of supporting stake of 2.0 m long, sturdy and straight and minimum 10cm girth at the base (bamboos are not supplied by the Dept.	250	1260.00	100	3150
02.19.02	Cost of SSP, Chloridine dust (50gm) or Chloropyriphos	250	3.00	1	750
02.19.01	Application of 50gm of SSP per pit (1 day before planting) for root growth and early establishment of plant after planting.	250	41.23	100	103
02.19.04	Planting in 100 cm ³ Pit	250	2361.56	100	5904
02.19.05	a)One critical watering after planting if planting takes place on non-rainy days	250	278.11	100	695
	b)2nd critical watering after planting if planting takes place on non-rainy days	250	278.11	100	695
	Watering (15 times)	250	4171.65	100	10429
02.19.06	Replacement of Casualties 20% during Raising (50% of rate of original pitting rate during raising year and 100% during maintenance years. Planting, Transportation and internal transportation as prescribed above).				
	Digging of pit-60 cm ³	50	25.50	Pit	1275
	Transportation (Upto 5 Kms)	50	268.03	100	134
	Transportation (Upto 5 to 25 Kms)	50	188.40	100	94
	Transportation (Beyond 25 Kms)	50	114.25	100	57
	Internal transportation	50	173.08	100	87
	Planting in 60 cm ³ Pit	50	1019.43	100	510
02.19.07	(a) Cost of DAP @ 25gm/planting point	250	3.00	1	750
	(b) Application of fertilizer in August (30days after planting) by making 3 holes of 10cm depth with crow bar holes at a distance of 10cm away from plant and putting fertilizers and closing.	250	41.23	100	103
02.19.08	Weeding and saucer formation to a radius of 0.5 mtrs around the plant immediately after planting (i.e.,) during June	250	131.20	100	328
02.19.09	Circular weeding to a radius of 0.5 Mts around the plant (Aug - Sep)	250	131.20	100	328
02.19.10	Deep soil working to a radius of 0.5 m and to a depth of 10cm (to be carried out during Nov - Dec) - For hard gravelly soil	250	689.06	100	1723
02.19.11	Creation of Fire lines 3mts wide inside the plantation	100	6.28	1	628
02.19.16	i) Fixing of plantation boards and corner stones				500
	ii) Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 5000/-)				500
02.19.18	Watch & Ward (One watcher is allowed for 10 - 30 ha. plantation. If the area is less than 10ha, prior approval of Conservator of Forests is required.) 9654.59 x 9 = 86891 / 10 = 8689/-	1	8689.00	1	8689
	Unit cost for 2021 - 22				66492
	Unit cost for 2022 - 23				73141
	Unit cost for 2023 - 24				80455

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I year maintenance of Plantation under BHA(250 plants per ha)

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FSR Code	Item of work	Qty	Rate in Rs	Per	Amount in Rs
02.20.01	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.	50% of unit rate of original pitting during raising year and 100% during maint. year. Planting, transportation and internal transportation same as adopted during			
	Digging of pit-60cm ³	63	50.99	Each	3212
	Transportation (Upto 5 Kms)	63	268.03	100 Nos.,	169
	Transportation (Upto 5 to 25 Kms)	63	188.40	100 Nos.,	119
	Transportation (Beyond 25 Kms)	63	114.25	100 Nos.,	72
	Internal transportation	63	173.08	100 Nos.,	109
	Planting in 60 cm ³ Pit	63	1019.43	100 Nos.,	642
02.20.02	Weeding and saucer formation to a radius of 0.5 mtrs around the plant immediately after planting (i.e.,)	250	131.20	100	328
02.20.03	Circular weeding to a radius of 0.5 Mts around the plant (Aug - Sep)	250	131.20	100	328
02.20.04	Deep soil working to a radius of 0.5 m and to a depth of 10cm (to be carried out during Nov - Dec) - For hard gravelly soil	250	689.06	100	1723
02.19.05	Watering (8 times)	250	2224.88	100	5562
02.19.07	(a) Cost of DAP @ 25gm/planting point	250	3.00	1	750
	(b) Application of fertilizer in August (30days after planting) by making 3 holes of 10cm depth with crow bar holes at a distance of 10cm away from plant and putting fertilizers and closing.	250	41.23	100	103
02.20.05	Pruning of lower branch initials by scicature upto 1/3 rd height (to be undertaken during October)	250	130.48	100	326
03.03.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - proportionate cost - 0.60 times	100	638.68	100 Rmt	639
02.20.08	i) Fixing of plantation boards and corner stones				500
	ii) Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 3000/-)				300
02.21.08	Watch & Ward (One watcher is allowed for 10 - 30 ha. plantation. If the area is less than 10ha, prior approval of Conservator of Forests is required.) 9654.59 x12 = 115855 / 10 = 11586/-	1	11586.00	1	11586
	Unit cost for 2021 - 22				26468
	Unit cost for 2022 - 23				29114
	Unit cost for 2023 - 24				32026
	Unit cost for 2024 - 25				35228

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II year maintenance of Plantation under BHA(250 plants per ha)

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FSR Code	Item of work	Qty	Rate in Rs	Per	Amount in Rs
02.20.01	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. -20% Proposed	50% of unit rate of original pitting during raising year and 100% during maint. year. Planting, transportation and internal transportation same as adopted during			
	Digging of pit-45 cm ³	50	21.50	Each	1075
	Transportation (Upto 5 Kms)	50	268.03	100 Nos.,	134
	Transportation (Upto 5 to 25 Kms)	50	188.40	100 Nos.,	94
	Transportation (Beyond 25 Kms)	50	114.25	100 Nos.,	57
	Internal transportation	50	173.08	100 Nos.,	87
	Planting in 45 cm ³ Pit	50	459.36	100 Nos.,	230
02.19.05	Watering (5 times)	250	1390.55	100	3476
02.19.07	(a) Cost of DAP @ 25gm/planting point	250	3.00	1	750
	(b) Application of fertilizer in August (30days after planting) by making 3 holes of 10cm depth with crow bar holes at a distance of 10cm away from plant and putting fertilizers and closing.	250	41.23	100	103
02.20.02	Weeding and saucer formation to a radius of 0.5 mtrs around the plant immediately after planting (i.e.,) during June	250	131.20	100	328
02.20.03	Circular weeding to a radius of 0.5 Mts around the plant (Aug - Sep)	250	131.20	100	328
02.20.04	Deep soil working to a radius of 0.5 m and to a depth of 10cm (to be carried out during Nov - Dec) - For hard gravelly soil	250	689.06	100	1723
02.20.05	Pruning of lower branch initials by sciculture upto 1/3 rd height (to be undertaken during October)	250	130.48	100	326
03.03.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - proportionate cost - 0.60 times	100	638.68	100 Rmt	639
02.20.08	i) Fixing of plantation boards and corner stones				500
	ii) Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 3000/-)				300
02.21.08	Watch & Ward (One watcher is allowed for 10 - 30 ha. plantation. If the area is less than 10ha, prior approval of Conservator of Forests is required.) 9654.59 x12 = 115855 / 10 = 11586/-	1	11586.00	1	11586
	Unit cost for 2021 - 22				21736
	Unit cost for 2022 - 23				23909
	Unit cost for 2023 - 24				26300
	Unit cost for 2024 - 25				28930
	Unit cost for 2025 - 26				31823

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III year maintenance of Plantation under BHA (250 plants per ha)

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FSR Code	Item of work	Qty	Rate in Rs	Per	Amount in Rs
02.20.02	Weeding and saucer formation to a radius of 0.5 mtrs around the plant immediately after planting (i.e.,) during June	250	131.20	100	328
02.20.03	Circular weeding to a radius of 0.5 Mts around the plant (Aug - Sep)	250	131.20	100	328
02.20.04	Deep soil working to a radius of 0.5 m and to a depth of 10cm (to be carried out during Nov - Dec) - For hard gravelly soil	250	689.06	100	1723
02.20.05	Pruning of lower branch initials by sciculture upto 1/3 rd height (to be undertaken during October)	250	130.48	100	326
03.03.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - proportionate cost - 0.60 times	100	638.68	100 Rmt	639
02.21.08	Watch & Ward (One watcher is allowed for 10 - 30 ha. plantation. If the area is less than 10ha, prior approval of Conservator of Forests is required.) $9654.59 \times 12 = 115855 / 10 = 11586/-$	1	11586.00	1	11586
	Unit cost for 2021 - 22				14930
	Unit cost for 2022 - 23				16422
	Unit cost for 2023 - 24				18065
	Unit cost for 2024 - 25				19871
	Unit cost for 2025 - 26				21858
	Unit cost for 2026 - 27				24044


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IV year maintenance of Plantation under BHA (250 plants per ha)

FSR Code	Item of work	Qty	Rate in Rs	Per	Amount in Rs
02.20.02	Weeding and saucer formation to a radius of 0.5 mtrs around the plant immediately after planting (i.e.,) during June	250	131.20	100	328
02.20.03	Circular weeding to a radius of 0.5 Mts around the plant (Aug - Sep)	250	131.20	100	328
02.20.04	Deep soil working to a radius of 0.5 m and to a depth of 10cm (to be carried out during Nov - Dec) - For hard gravelly soil	250	689.06	100	1723
02.20.05	Pruning of lower branch initials by scicature upto 1/3 rd height (to be undertaken during October)	250	130.48	100	326
03.03.01	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
02.21.08	Watch & Ward (One watcher is allowed for 10 - 30 ha. plantation. If the area is less than 10ha, prior approval of Conservator of Forests is required.) $9654.59 \times 12 = 115855 / 10 = 11586/-$	1	11586.00	1	11586
	Unit cost for 2021 - 22				14930
	Unit cost for 2022 - 23				16422
	Unit cost for 2023 - 24				18065
	Unit cost for 2024 - 25				19871
	Unit cost for 2025 - 26				21858
	Unit cost for 2026 - 27				24044
	Unit cost for 2027 - 28				26449


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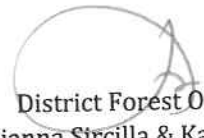
V year maintenance of Plantation under BHA (250 plants per ha)

FSR Code	Item of work	Qty	Rate in Rs	Per	Amount in Rs
02.20.04	Deep soil working to a radius of 0.5 m and to a depth of 10cm (to be carried out during Nov - Dec) - For hard gravelly soil	250	689.06	100	1723
02.20.05	Pruning of lower branch initials by scicature upto 1/3 rd height (to be undertaken during October)	250	130.48	100	326
03.03.01	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
	Unit cost for 2021 - 22				2688
	Unit cost for 2022 - 23				2956
	Unit cost for 2023 - 24				3252
	Unit cost for 2024 - 25				3577
	Unit cost for 2025 - 26				3935
	Unit cost for 2026 - 27				4328
	Unit cost for 2027 - 28				4761
	Unit cost for 2028 - 29				5237


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VI year maintenance of Plantation under BHA (250 plants per ha)

FSR Code	Item of work	Qty	Rate in Rs	Per	Amount in Rs
02.20.05	Pruning of lower branch initials by scicature upto 1/3 rd height (to be undertaken during October)	250	130.48	100	326
03.03.01	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
	Unit cost for 2021 - 22				965
	Unit cost for 2022 - 23				1061
	Unit cost for 2023 - 24				1168
	Unit cost for 2024 - 25				1284
	Unit cost for 2025 - 26				1413
	Unit cost for 2026 - 27				1554
	Unit cost for 2027 - 28				1709
	Unit cost for 2028 - 29				1880
	Unit cost for 2029 - 30				2068


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VII year maintenance of Plantation under BHA (250 plants per ha)

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FSR Code	Item of work	Qty	Rate in Rs	Per	Amount in Rs
02.20.04	Deep soil working to a radius of 0.5 m and to a depth of 10cm (to be carried out during Nov - Dec) - For hard gravelly soil	250	689.06	100	1723
03.03.01	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
	Unit cost for 2021 - 22				2361
	Unit cost for 2022 - 23				2597
	Unit cost for 2023 - 24				2857
	Unit cost for 2024 - 25				3143
	Unit cost for 2025 - 26				3457
	Unit cost for 2026 - 27				3803
	Unit cost for 2027 - 28				4183
	Unit cost for 2028 - 29				4602
	Unit cost for 2029 - 30				5062
	Unit cost for 2030 - 31				5568


District Forest Officer,
Rajanna Sircilla & Karimnagar

VIII year maintenance of Plantation under BHA (250 plants per ha)

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FSR Code	Item of work	Qty	Rate in Rs	Per	Amount in Rs
02.20.05	Pruning of lower branch initials by scicature upto 1/3 rd height (to be undertaken during October)	250	130.48	100	326
03.03.01	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
	Unit cost for 2021 - 22				965
	Unit cost for 2022 - 23				1061
	Unit cost for 2023 - 24				1168
	Unit cost for 2024 - 25				1284
	Unit cost for 2025 - 26				1413
	Unit cost for 2026 - 27				1554
	Unit cost for 2027 - 28				1709
	Unit cost for 2028 - 29				1880
	Unit cost for 2029 - 30				2068
	Unit cost for 2030 - 31				2275
	Unit cost for 2031 - 32				2503


District Forest Officer,
Rajanna Sircilla & Karimnagar

IX year maintenance of Plantation under BHA (250 plants per ha)

FSR Code	Item of work	Qty	Rate in Rs	Per	Amount in Rs
02.20.04	Deep soil working to a radius of 0.5 m and to a depth of 10cm (to be carried out during Nov - Dec) - For hard gravelly soil	250	689.06	100	1723
03.03.01	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
	Unit cost for 2021 - 22				2361
	Unit cost for 2022 - 23				2597
	Unit cost for 2023 - 24				2857
	Unit cost for 2024 - 25				3143
	Unit cost for 2025 - 26				3457
	Unit cost for 2026 - 27				3803
	Unit cost for 2027 - 28				4183
	Unit cost for 2028 - 29				4602
	Unit cost for 2029 - 30				5062
	Unit cost for 2030 - 31				5568
	Unit cost for 2031 - 32				6125
	Unit cost for 2032 - 33				6737


 District Forest Officer,
 Rajanna Sircilla & Karimnagar

X year maintenance of Plantation under BHA (250 plants per ha)

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FSR Code	Item of work	Qty	Rate in Rs	Per	Amount in Rs
02.20.05	Pruning of lower branch initials by scicature upto 1/3 rd height (to be undertaken during October)	250	130.48	100	326
03.03.01	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
	Unit cost for 2021 - 22				965
	Unit cost for 2022 - 23				1061
	Unit cost for 2023 - 24				1168
	Unit cost for 2024 - 25				1284
	Unit cost for 2025 - 26				1413
	Unit cost for 2026 - 27				1554
	Unit cost for 2027 - 28				1709
	Unit cost for 2028 - 29				1880
	Unit cost for 2029 - 30				2068
	Unit cost for 2030 - 31				2275
	Unit cost for 2031 - 32				2503
	Unit cost for 2033 - 33				2753
	Unit cost for 2034 - 35				3028


 District Forest Officer,
 Rajanna Sircilla & Karimnagar

Unit Cost for Advance Operations for Raising of N.T.S.H. Plantations 3m X 3m. (SMM)

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.08.01	Survey with GPS (Only staff to carry out) (Staff to carryout GPS Survey. One manday is allowed for assistance)	1	393.21	Plantation	393
02.08.02	Clearing unsalable unwanted jungle growth				
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.5	3284.95	Ha	1642
	(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.	0.5	7717.50	Ha	3859
02.08.03	Uprootal of stumps				
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.5	11037.51	Ha	5519
	(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.	0.5	14349.28	Ha	7175
02.08.04	Collection and Removal of uprooted stumps of all sizes				
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.5	9657.68	Ha	4829
	(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.	0.5	11260.88	Ha	5630
	Unit Rate for 2021 -22				29047.00
	Unit Rate for 2022 -23				31951.70
	Unit Rate for 2023 -24				35146.87
	Unit Rate for 2024 -25				38661.56
	Unit Rate for 2025 -26				42527.71
	Unit Rate for 2026 -27				46780.48
	Unit Rate for 2027 -28				51458.53

District Forest Officer
Rajanna Sircilla & Karimnagar

Unit Cost for Raising of N.T.S.H. Plantations 3m X 3m. (SMM)

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					Unit Rate per Ha
Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	3	4	5	6
02.09.01	Removing congestion of root suckers and other uprooted material hindering the effective ploughing	1	1119.37	1	1119
02.09.02	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 areas - Hard Soils	1	5620.89	Ha	5621
02.09.04	© Alignment and staking including laying base line for Misc species with espacement 3mX3m (1111 Nos)	1111	93.82	100	1042
02.09.05	i) Cost of 0.45 M Stake preparation and transportation to site.	1111	59.81	100	664
	ii) Cost of supporting stake of 2.0 m long, sturdy and straight and minimum 10cm girth at the base (bamboos are not supplied by the Dept.	1111	1260.00	100	13999
02.15.03	Digging of pits in Ploughed areas - 60 cm ³ pits	1111	50.99	1	56650
	Transportation of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading				
02.09.07	upto 5 Km lead(23 X 28 cm (9"X11") bag plants)	1111	268.03	100	2978
02.09.08	5 Km to 25 Km lead(23 X 28 cm (9"X11") bag plants)	1111	188.40	100	2093
02.09.10	Internal transport of bag plants/root trainers to planting points on head loads.				
	20X30 cm (23 X 28 cm (9"X11") bag plants)	1111	173.08	100	1923
02.09.11	Cost of SSP, Chloridine dust or Chloropyrphos	1111	2.00	1	2222
	Application of 50gm of SSP per pit	1111	41.23	100	458
	Planting Bag Plants				
02.09.12	c)Planting in 60 cm ³ Pit	1111	1019.43	100	11326
02.09.14	a)One critical watering after planting if planting takes place on non rainy days	1111	278.11	100	3090
	b)2nd critical watering after planting if planting takes place on non rainy days	1111	278.11	100	3090
	Watering (8 times)	1111	2224.88	100	24718
02.09.15	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance)	50% of rate of original pitting rate during raising year and 100% during maintenance years. Planting, Transportation and internal transportation as prescribed above.			
	Pitting	222	25.50	1	5660
	Transportation-Upto 5 Kms	222	268.03	100	595
	5 to 25Kms	222	188.40	100	418
	Internal Transportation	222	173.08	100	384
	Planting	222	1019.43	100	2263
02.09.16	Cost of DAP @25gm / planting point	1111	2.00	1	2222
02.09.17	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 & closing.	1111	41.23	100	458
02.09.18	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	1458
02.09.19	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)	1111	689.06	100	7655
02.09.20	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-Hard soil	1	3502.95	1	3503
02.09.21	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during October)	1111	130.43	100	1449
02.09.22	Uprootal of Mahaveera Weed	1	3833.45	1	3833
02.09.25	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher 9654.59x 9 = 10861	1	10861.00	Ha	10861
02.09.24	i) Fixing of Plantation Boards and Corner Stones				1250
	ii) Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 5,000/-)				625
	Unit Rate for 2021 -22				173627
	Unit Rate for 2022 -23				190989
	Unit Rate for 2023 -24				210088
	Unit Rate for 2024 -25				231097
	Unit Rate for 2025 -26				254207
	Unit Rate for 2026 -27				279627
	Unit Rate for 2027 -28				307590

District Forest Officer,
Rajanna Sircilla & Karimnagar

Unit Cost for 1st Year Maintenance of NTSH Plantation (3 m X 3 m) SMM per Ha

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FSR Code	Item of work	Unit Rate per Ha			
		Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.10.01	Replacement of Casualties 25% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no casualty replacement for further maintenance) - 25 % proposed	50% of rate of original pitting rate during raising year and 100% during maintenance years. Planting, Transportation and internal transportation as prescribed above.			
02.09.06	Digging of pits in Ploughed areas - 45 cm3 pits	1111	11.19	1	12432
02.09.07	Transportation-Upto 5 Kms	278	268.03	100	745
02.09.08	5 to 25Kms	278	188.40	100	524
02.09.10	Internal Transportation	278	173.08	100	481
02.09.10	Planting	278	459.36	100	1277
02.10.02	Weeding and saucer formation to a radius of 0.5 mts around the plant during June.	1111	131.20	100	1458
02.10.03	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)	1111	689.06	100	7655
02.09.14	Watering to the plants- 4 times	1111	1112.44	100	12359
02.09.16	Cost of DAP @25gm / planting point	1111	1.00	1	1111
02.09.11	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 & closing. - 50% of rate	1111	17.13	100	190
02.10.04	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.	1	3833.45	Ha	3833
02.10.05	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.	1	2553.54	Ha	2554
02.10.06	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	130.48	100	1450
02.10.09	Cost of Protection - 9654.59X12/8=14482	1	14481.89	Ha	14482
02.10.08	i) Maintenance of Plantation Boards and Corner Stones				1000
	ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)				375
	Unit Rate for 2021 -22				61926
	Unit Rate for 2022 -23				68119
	Unit Rate for 2023 -24				74931
	Unit Rate for 2024 -25				82424
	Unit Rate for 2025 -26				90666
	Unit Rate for 2026 -27				99733
	Unit Rate for 2027 -28				109706
					120677
					132744
					146019
					160621

District Forest Officer
Rajanna Sircilla & Karimnagar

Unit Cost for 2nd Year Maintenance of NTSH Plantation (3m x 3m)SMM per Ha

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.02	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)	1111	689.06	100	7655.00
02.11.03	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	130.48	100	1450.00
02.10.04	Uprootal of Mahaveera (60% of the area)	0.6	3833.45	Ha	2300
02.11.06	Cost of Protection - $9654.59 \times 12/8 = 14482$	1	14481.89	Ha	14482
02.11.05	i) Maintenance of Plantation Boards and Corner Stones				1000
	ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-)				375
	Unit Rate for 2021 -22				27262
	Unit Rate for 2022 -23				29988
	Unit Rate for 2023 -24				32987
	Unit Rate for 2024 -25				36286
	Unit Rate for 2025 -26				39914
	Unit Rate for 2026 -27				43906
	Unit Rate for 2027 -28				48296
	Unit Rate for 2024 -25				53126
	Unit Rate for 2025 -26				58439
	Unit Rate for 2026 -27				64282
	Unit Rate for 2027 -28				70711



District Forest Officer
Rajanna Sircilla & Karimnagar

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Unit Cost for 3rd Year Maintenance of NTSH Plantation (3m x 3m) SMM per Ha

FSR Code	Item of work	Unit Rate per Ha			
		Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.02	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)	1111	689.06	100	7655
02.11.03	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	130.48	100	1450
02.11.06	Cost of Protection - $9654.59 \times 12/8 = 14482$	1	14481.89	Ha	14482
	Unit Rate for 2021 -22				23587
	Unit Rate for 2022 -23				25946
	Unit Rate for 2023 -24				28540
	Unit Rate for 2024 -25				31394
	Unit Rate for 2025 -26				34534
	Unit Rate for 2026 -27				37987
	Unit Rate for 2027 -28				41786
	Unit Rate for 2024 -25				45964
	Unit Rate for 2025 -26				50561
	Unit Rate for 2026 -27				55617
	Unit Rate for 2027 -28				61179


 District Forest Officer
 Rajanna Sircilla & Karimnagar

Unit Cost for 4th Year Maintenance of NTSH Plantation (3m x 3m) SMM per Ha

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.02	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)	1111	689.06	100	7655
02.11.03	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	130.48	100	1450
02.11.06	Cost of Protection - $9654.59 \times 12/8 = 14482$	1	14481.89	Ha	14482
	Unit Rate for 2021 -22				23587
	Unit Rate for 2022 -23				25946
	Unit Rate for 2023 -24				28540
	Unit Rate for 2024 -25				31394
	Unit Rate for 2025 -26				34534
	Unit Rate for 2026 -27				37987
	Unit Rate for 2027 -28				41786
	Unit Rate for 2024 -25				45964
	Unit Rate for 2025 -26				50561
	Unit Rate for 2026 -27				55617
	Unit Rate for 2027 -28				61179


 District Forest Officer
 Rajanna Sircilla & Karimnagar

Unit Cost for 5th Year Maintenance of NTSH Plantation (3m x 3m)SMM per Ha

		Unit Rate per Ha			
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.02	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)	1111	689.06	100	7655
02.11.03	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	130.48	100	1450
	Unit Rate for 2021 -22				9105
	Unit Rate for 2022 -23				10016
	Unit Rate for 2023 -24				11017
	Unit Rate for 2024 -25				12119
	Unit Rate for 2025 -26				13331
	Unit Rate for 2026 -27				14664
	Unit Rate for 2027 -28				16130
	Unit Rate for 2028 -29				17743
					19517
					21469
					23616


 District Forest Officer
 Rajanna Sircilla & Karimnagar

Unit Cost for 6th Year Maintenance of NTSH Plantation (3m x 3m) SMM per Ha

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.02	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)	1111	689.06	100	7655
02.11.03	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	130.48	100	1450
	Unit Rate for 2021 -22				9105
	Unit Rate for 2022 -23				10016
	Unit Rate for 2023 -24				11017
	Unit Rate for 2024 -25				12119
	Unit Rate for 2025 -26				13331
	Unit Rate for 2026 -27				14664
	Unit Rate for 2027 -28				16130
	Unit Rate for 2028 -29				17743
	Unit Rate for 2029 -30				19517
	Unit Rate for 2026 -27				21469
	Unit Rate for 2027 -28				23616


 District Forest Officer
 Rajanna Sircilla & Karimnagar

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Unit Cost for 7th Year Maintenance of NTSH Plantation (3m x 3m) SMM per Ha


Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.02	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)	1111	689.06	100	7655
02.11.03	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	130.48	100	1450
	Unit Rate for 2021 -22				9105
	Unit Rate for 2022 -23				10016
	Unit Rate for 2023 -24				11017
	Unit Rate for 2024 -25				12119
	Unit Rate for 2025 -26				13331
	Unit Rate for 2026 -27				14664
	Unit Rate for 2027 -28				16130
	Unit Rate for 2027 -28				17743
	Unit Rate for 2028 -29				19517
	Unit Rate for 2029 -30				21469
	Unit Rate for 2030 -31				23616
					25978


 District Forest Officer
 Rajanna Sircilla & Karimnagar

Unit Cost for 8th Year Maintenance of NTSH Plantation (3m x 3m) SMM per Ha

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.02	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)	1111	689.06	100	7655
02.11.03	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	130.48	100	1450
	Unit Rate for 2021 -22				9105
	Unit Rate for 2022 -23				10016
	Unit Rate for 2023 -24				11017
	Unit Rate for 2024 -25				12119
	Unit Rate for 2025 -26				13331
	Unit Rate for 2026 -27				14664
	Unit Rate for 2027 -28				16130
	Unit Rate for 2028 -29				17743
	Unit Rate for 2029 -30				19517
	Unit Rate for 2030 -31				21469
	Unit Rate for 2031 -32				23616
	Unit Rate for 2032 -33				25978


 District Forest Officer
 Rajanna Sircilla & Karimnagar

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Unit Cost for 9th Year Maintenance of NTSH Plantation (3m x 3m)SMM per Ha


		Unit Rate per Ha			
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.02	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)	1111	689.06	100	7655
02.11.03	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	130.48	100	1450
	Unit Rate for 2021 -22				9105
	Unit Rate for 2022 -23				10016
	Unit Rate for 2023 -24				11017
	Unit Rate for 2024 -25				12119
	Unit Rate for 2025 -26				13331
	Unit Rate for 2026 -27				14664
	Unit Rate for 2027 -28				16130
	Unit Rate for 2028 -29				17743
	Unit Rate for 2029 -30				19517
	Unit Rate for 2030 -31				21469
	Unit Rate for 2031 -32				23616
	Unit Rate for 2032 -33				25978
	Unit Rate for 2033 -34				28575


 District Forest Officer
 Rajanna Sircilla & Karimnagar

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Unit Cost for 10th Year Maintenance of NTSH Plantation (3m x 3m) SMM per Ha

		Unit Rate per Ha			
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.02	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)	1111	689.06	100	7655
02.11.03	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	130.48	100	1450
	Unit Rate for 2021 -22				9105
	Unit Rate for 2022 -23				10016
	Unit Rate for 2023 -24				11017
	Unit Rate for 2024 -25				12119
	Unit Rate for 2025 -26				13331
	Unit Rate for 2026 -27				14664
	Unit Rate for 2027 -28				16130
	Unit Rate for 2028 -29				17743
	Unit Rate for 2029 -30				19517
	Unit Rate for 2030 -31				21469
	Unit Rate for 2031 -32				23616
	Unit Rate for 2032 -33				25978
	Unit Rate for 2033 -34				28575
	Unit Rate for 2034 -35				31433


 District Forest Officer
 Rajanna Sircilla & Karimnagar