

UNIT COST FOR RAISING OF PRIMARY BEDS

Sl. No.	FSR-2017-18 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	4.54	4.54
3	01.01.03	Digging of soil of the demarcated beds	Bed	34.92	34.92
4	01.01.04	Cost of sandy soil and transportation	Bed	25.40	25.40
5	01.01.05	5 Kms to 25 Kms	Bed	20.20	20.20
6	01.01.06	Cost of FYM	Bed	21.87	21.87
7	01.01.07	Mixing of soil with FYM	Bed	9.92	9.92
8	01.01.08	Covering the beds	Bed	11.34	11.34
9	01.01.09	Soil drenching			
10	01.01.10	Cost of seed	Bed	200.00	200.00
11	01.01.12	Sowing of seed	Bed	11.29	11.29
12	01.01.13	Watering the primary nursery beds	45 Days	19.06	19.06
13	01.01.14	Kerbing the primary beds	Bed	25.00	25.00
14	01.01.1	Cost of chemicals	Bed	20.00	20.00
16		Electrical Charges	LS	20.00	20.00
		Total			423.54
		Rasing of seedlings 110% for obtaining 100%		10%	42.35
		Total			465.89
		cost of each plant (2000 plants per bed) - 2017-18			0.23

Unit Cost for 2018-19

Unit Cost for 2019 -20

Unit Cost for 2020-21

plant 0.256

plant 0.282

plant 0.310

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UNIT COST FOR BAG PLANT NURSERY (NOVEMBER TO MARCH)

Sl. No.	FSR-2017-18 Code	Item of work	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	7
		Raising of bag plant nursery 5x9			
1	01.03.01	Site preparation	Bed	46.33	46.33
2	01.03.03	Cost of polythene bag, 175 x1.05x1700 / 290	Bed	1077.16	1077.16
3	01.03.04	Cost of transportation of ingredients for potting mixture (cost of coco pit)	Bed	2040.00	2040.00
4	01.03.05	12.5 cm x 22.5 (5" x 9") (cost of coco pit)			
5	01.03.06	For every extra km beyond 5 Kms upto 25 Kms 12.5 cm x 22.5 (5" x 9")			
6	01.03.07	Preparation of potting mixture (b) 12.5 cm x 22.5 (5" x 9")	Bed	1483.25	1483.25
7	01.03.08	Alignment of beds	Bed	6.92	6.92
8	01.03.09	Pricking out seedlings	Bed	219.10	219.10
9	01.03.11	Watering the plants (5 Months) a) Manually with rose cans or finely perforated nozzle	Bed	1250.50	1250.50
10	01.03.12	Weeding the beds (3 weedings)	Bed	137.79	137.79
11	01.03.13	Shifting, Grading and re-arranging (2 Gradings) twice	Bed	428.98	428.98
12	01.03.14	Replacement of casualties	Bed	60.90	60.90
13	01.03.15	Cost of foliar nutrient formulations	Bed	34.00	34.00
14	01.03.17	Weeding in the space (4 weedings)		125.20	
15		Watch and Ward (100 Beds) (5 Months) 5x 8017 /100Beds		400.85	400.85
16		Electricity charges		200.00	200.00
		Total			7385.78
		add casualty 10%			738.58
		Grand Total			8124.36
		cost of each plant (1700 plants per bed)			4.78

Unit Cost for 2018-19
 Unit Cost for 2019-20
 Unit Cost for 2020 -21
 Unit Cost for 2021-22

Plant 5.257
Plant 5.783
Plant 6.361
Plant 6.997


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UNIT COST FOR MAINTENANCE OF BAG PLANTS (5"x9") (April to August)

Sl. No.	FSR-2017-18 Code	Item of work	Unit	Rate	Amount
1	2	3	4	5	7
		Maintenance of Bag plants			
1	01.03.18	Watering poly bag (April to August)	Bed	1250.50	1250.50
2	01.03.19	Weeding (2 weedings)	Bed	91.86	91.86
3	01.03.20	Shifting and grading	Bed	428.98	428.98
		Electricity charges		200.00	200.00
		Watch and ward (5 months)		400.85	400.85
		Total			2372.19
		cost of each plant (1700 plants per bed)			1.3954

Unit Cost for 2018-19

Plant 1.535

Unit Cost for 2019-20

Plant 1.688

Unit Cost for 2020 -21

Plant 1.857

Unit Cost for 2021-22

Plant 2.043


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UNIT COST FOR MAINTENANCE OF BAG PLANTS (5"x9") (April to August)

Sl. No.	FSR-2017-18 Code	Item of work	Unit	Rate	Amount
1	2	3	4	5	7
		Maintenance of Bag plants			
1	01.03.18	Watering poly bag (April to August)	Bed	1250.50	1250.50
2	01.03.19	Weeding (2 weedings)	Bed	91.86	91.86
3	01.03.20	Shifting and grading	Bed	428.98	428.98
		Electricity charges		200.00	200.00
		Watch and ward (5 months)		400.85	400.85
		Total			2372.19
		cost of each plant (1700 plants per bed)			1.3954

Unit Cost for 2018-19

Plant 1.535

Unit Cost for 2019-20

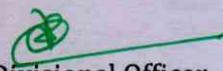
Plant 1.688

Unit Cost for 2020 -21

Plant 1.857

Unit Cost for 2021-22

Plant 2.043


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UNIT COST FOR CONVERSION FROM 5"x 9" to 8"x12" (1000 plants)

Sl. No.	FSR-2017-18 Code	Item of work	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	7
		Conversion of bags from 5x9 to 8x12			
1		Cost and conveyance of coco husk	1000 plants		2400.00
2	01.03.25	Preparation of potting mixture by powering of various ingredients 5"x9" to 8"x12" polybags	1000 plants	1552.61	1552.61
3	01.03.28	Stakes		2160.00	2160.00
4	01.03.29	Weeding the plants (45.93x2x1000/800)	1000 plants	114.83	114.83
	01.03.30	Shifting, Grading	1000 plants	268.11	268.11
5	01.03.31	Watering the plants manually twice a day Manually with rose can (5 Months)	1000 plants	1563.12	1563.12
6	01.03.33	Cost of Fertilizers		20.00	20.00
7		Watch and Ward (100 Beds) (5 Months) 5 x 8017	1000 plants	400.85	400.85
8		Cost of the ploythene bags (10000x1.1/86x175)		2238.37	2238.37
9		Electricity charges		400.00	400.00
		Total			11117.89
10	01.03.34	Contingencies @ 5%			555.89
		Total			11673.79
11		Add 10% Casualty			1167.38
		Grand Total			12841.17
12		cost of each plant			12.84

Unit Cost for 2018-19
Unit Cost for 2019-20
Unit Cost for 2020 -21
Unit Cost for 2021-22

Plant 14.125
Plant 15.538
Plant 17.092
Plant 18.801


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UNIT COST FOR MAINTENANCE OF BAG PLANTS (April to August)

Sl. No.	FSR-2017-18 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	1000.40	1000.40
2	01.04.02	Weeding	Bed	45.93	45.93
3	01.04.03	Shifting and grading	Bed	452.92	452.92
4	01.04.05	Cost of fertilizers	As per actuals	20.00	20.00
5	01.04.06	Cost and transportation of cow dung slurry	Bed	25.00	25.00
6	01.04.07	Weeding in the space between the beds	Bed	25.28	25.28
7		Watch and ward (5 months) (8017x5/100beds)		400.85	320.60
		Electricity charges		300.00	300.00
		Total			2190.13
8	01.04.08	Contingencies @ 5%			109.51
9		Total			2299.64
		cost of each plant (800 Plants per bed)			2.87

Unit Cost for 2018-19	3.162
Unit Cost for 2019-20	3.478
Unit Cost for 2020 -21	3.826
Unit Cost for 2021-22	4.209


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

FSR Code	Item of work	Qty	Unit Rate per Ha		Amount (Rs.)
			Rate (Rs.)	Per	
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	326.59	Plantation	327
02.08.02	Clearing unsalable unwanted jungle growth				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	1815.25	Ha	726
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	2728.52	Ha	1091
	(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.	0.2	5468.03	Ha	1094
02.08.03	Uprootal of stumps				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	4575.74	Ha	1830
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	8856.24	Ha	3542
	(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.	0.2	11513.51	Ha	2303
02.08.04	Collection and Removal of uprooted stumps of all sizes				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	4872.12	Ha	1949
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	7731.50	Ha	3093
	(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.	0.2	9014.96	Ha	1803
02.08.05	Tilling the soil to a depth of 0.45 cm in the affected area				
a	Sparce jungle growth less than 10% ground area covered with jungle growth	1	14456.00	Ha	14456
	Unit Rate for 2017 -18				32214.00


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

		Unit Rate per Ha			
Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	3	4	5	6
02.09.01	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	4510.05	Ha	4510
02.09.03	Removing congestion of root suckers and other uprooted material hindering the effective ploughing	1	896.09	1	896
02.09.04	© Alignment and staking including laying base line for Misc species with espacement 3mX3m (1111 Nos)	1111	77.91	100	866
02.09.05	Cost of 0.45 M Stake preparation and transportation to site.	1111	49.67	100	552
02.09.06	© Digging of 60 cm cube size pits - Half of the rate of Rs.9.28 *1.333*1.333*1.333 (Rate for 45 cm cube pit - Rs.9.28 per pit)	1111	10.99	1	12210
01.03.05	Cost and transportation of soil mixtue for filling half of the pit and spreading around the pit - 0.6 cm x 0.6 cm x 0.6 cm = 0.216 cum - 66% of cost	158.384	310.86	cum	49235
	Transportation of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading upto 5 Km lead(20X30 cm (8"X12")bag plants)	1111	173.49	100	1927
02.09.07	upto 5 Km lead(20X30 cm (8"X12")bag plants)	1111	135.00	100	1500
02.09.08	5 Km to 25 Km lead(20X30 cm (8"X12")bag plants)				
	Internal transport of bag plants/root trainers to planting points on head loads.	1111	123.84	100	1376
02.09.10	20X30 cm (8"X12")bag plants	1111	2.00	1	2222
02.09.11	Cost of SSP, Chloridine dust or Chloropyriphos	1111	34.25	100	381
	Application of 50gm of SSP per pit				
	Planting Bag Plants	1111	903.71	100	10040
02.09.13	Planting in 60 cm ³ Pit (for 45 cm ³ pit - Rs.381.54)	1111	15.00	1.00	16665
02.15.10	Cost of supporting stake of 2.5 m long sturdy and straight and minimum 10 cm girth at base	1111	924.00	100	10266
02.09.14	Watering to the plants - 4 waterings				
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	5.50	1	1220
	Transportation	222	308.49	100	685
	Internal Transportation	222	123.84	100	275
	Planting	222	903.71	100	2006
		1111	2.00	1	2222
02.09.16	Cost of DAP @25gm / planting point				
		1111	34.25	100	381
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.				
		1111	108.98	100	1211
02.09.18	a) Circular weeding to a radius of 0.50 m around the plant (during July - Aug)				
		1111	572.33	100	6359
02.09.19	b) 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. (during Nov - Dec.)				
		1	2810.70	1	2811
02.09.20	(b) Inter ploughing with heavy duty tractor of 55 HP to a depth of 30 cm in Hard Gravelly Soils during Novermber				
		1	3184.10	1	3184
02.09.22	Uprootal of Mahaveera Weed				
		1	7215.30	Ha	7215
02.09.24	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher 8017 x 9 = 72153 / 10				
	Unit Rate for 2017 -18				140215


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

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.10.01	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 60 cm cube size pits - Half of the rate of Rs.9.28 *1.333*1.333*1.333 (Rate for 45 cm cube pit - Rs.9.28 per pit)	278	10.990	1	3055
02.09.07	Transportation up 5km	278	173.49	100	482
02.09.08	Transportation beyond 5 Km (25 - 5) = 20 KM	278	135.00	100	375
02.09.10	Internal Transportation	278	123.84	100	344
02.09.13	Planting in 60 cm ³ Pit (for 45 cm ³ pit - Rs.381.54)	278	903.71	100	2512
02.15.13	Watering to the plants- 4 times	1111	924.00	100	10266
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
02.10.02	Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug)	1111	108.98	100	1211
02.10.03	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 during Nov - Dec	1111	572.33	100	6359
02.10.04	Uprootal of Mahaveera	1	3184.10	Ha	3184
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	2048.90	Ha	2049
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	108.35	100	1204
02.10.09	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; 8017 x 12 = 96204 / 10	1	9620.40	Ha	9620
Unit Rate for 2017 -18					41962


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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
02.10.01	Replacement of Casualties 25% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no casualty replacement for further maintenance) - 5% 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 60 cm cube size pits - Half of the rate of Rs.9.28 *1.333*1.333*1.333 (Rate for 45 cm cube pit - Rs.9.28 per pit)	56	10.990	1	615
02.09.07	Transportation up 5km	56	173.49	100	97
02.09.08	Transportation beyond 5 Km (25 - 5) = 20 KM	56	135.00	100	76
02.09.10	Internal Transportation	56	123.84	100	69
02.09.13	Planting in 60 cm ³ Pit (for 45 cm ³ pit - Rs.381.54)	56	903.71	100	506
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	2048.90	Ha	2049
02.11.01	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	572.33	100	6359.00
02.11.02	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	108.35	100	1204.00
02.10.04	Uprootal of Mahaveera (60% of the area)	0.6	3184.10	Ha	1910
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	5.33	Rmt	533
02.11.05	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; 8017 x 12 = 96204 / 10	1	9620.40	Ha	9620.00
	Unit Rate for 2017 -18				23038


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

Unit Rate per Ha

ESR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.01	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	572.33	100	6359
02.11.02	Pruning of flower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height (to be done during July - Aug)	1111	108.35	100	1204
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	318.29	100 Rmt	318
02.11.05	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; 8017 x 12 = 96204 / 10	1	9620.40	Ha	9620
Unit Rate for 2017 -18					17501


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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	3	4	5	6
02.11.01	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	572.33	100	6359
02.11.02	Pruning of flower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height (to be done during July - Aug)	1111	108.35	100	1204
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	318.29	100 Rmt	318
02.11.05	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; 8017 x 12 = 96204 / 10	1	9620.40	Ha	9620
Unit Rate for 2017 -18					17501


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

Unit Rate per Ha

PSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	3	4	5	6
02.11.01	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pickaxe only) without damaging the plant. (July-Aug)- the work will be carried out between 1 m to 1.1 m in a ring formation- Hence 25% of cost adopted	1111	143.08	100	1590
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	318.29	100 Rmt	318
02.11.05	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; 8017 x 12 = 96204 / 15	1	6413.60	Ha	6414
	Unit Rate for 2017 -18				8322


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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	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	108.35	100	1204
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	318.29	100 Rmt	318
02.11.05	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; 8017 x 12 = 96204 / 15	1	6413.60	Ha	6414
Unit Rate for 2017 -18					7936


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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
02.11.01	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)-the work will be carried out between 1 m to 1.1 m in a ring formation- Hence 25% of cost adopted	1111	143.08	100	1590
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	318.29	100 Rmt	318
Unit Rate for 2017 -18					1908


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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	Pruning of flower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height (to be done during July - Aug)	1111	108.35	100	1204
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	318.29	100 Rmt	318
Unit Rate for 2017 -18					1522


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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
02.11.01	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)- the work will be carried out between 1 m to 1.1 m in a ring formation- Hence 25% of cost adopted	1111	143.08	100	1590
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and	100	318.29	100 Rmt	318
Unit Rate for 2017 -18					1908


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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	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	108.35	100	1204
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	318.29	100 Rmt	318
	Unit Rate for 2017 -18				1522



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Asifabad

**Requirement of seedlings for CA scheme for degraded forest land in
Tiryani Range of Asifabad Divison**

Sl. No	Range	degraded forest land	Area proposed in Ha	Area to be afforested through SMM 3m x 3m
1	Tiryani	Compt No.407	20.020	20.020
			20.020	20.020
Requirement of seedlings for the above area for CA scheme for degraded forest land				
Sl. No	Range	degraded forest land	Area proposed in Ha	SMM 3m x 3m (@ 1350)
1	Tiryani	Raising year including casualties	20.02	27027
			20.02	27027
		Add 10 %		2703
		Total for Raising		29730
			Or	30000
1	Tiryani	Replacment for 1st year	20.020	5606
		Add 10 %	20.020	561
				6166
		Total for maintanance	Or	6500


Forest Divisional Officer
Asifabad

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Unit cost for Digging of Cattle Proof Trench (CPT) along the RF Boundary in Asifabad division during the year 2017-18

Unit cost for 1.00 KM

Sl. No	Particulars	F.S.R. Item No.	Quantity	Rate	Per	Amount	
1	2	3	4	5	6	7	
1	Digging of CPT along the Reserve Forest Boundary line of Nambal Reserve Forest with the Machinery including excavation in all kinds of soils and depositing the excavation earth as directed with Minimum lead and lifts including cost of Machinery and labour 1000 Mtrs x((2m+1.5m)/2)x2m = 3500 Cu.m (per KM)		3500	Cum	42.30	Cum	148050
			Total :			148050	
			Add SGST (6 %) :			8883	
			Add CGST (6 %) :			8883	
			Add CESS (1 %) :			1481	
			Grand Total :			167297	
			Or			167500	


 Forest Divisional Officer
 Asifabad

Unit cost for Stabilization of Trench mound (Bund planting) along RF boundary during 2017-18.

Area in Ha/Km. : 1.00 KM

Sl. No.	FSR Item No.	Nature of work	Quantity		Rate	Unit per		Amount
			4	5		6	7	
1		<p>STABILIZATION OF RF BLOCK BOUNDARY CONTINUOUS PERIPHERAL TRENCH MOUND: Planting on peripheral trench mound and adjacent strips are taken up with the objective of increasing the effectiveness of trench as a barrier for entry of grazing animals and spread of fire. Also by planting on the mound, the loose soil gets stabilized and increases the life-span of trench. The rationale of planting the edible wild fruit species is to enhance the food base of the monkeys and other wild animals. The species selected for planting may be Pithecolobium dulce, Terminalia bellirica, Careya arborea, Bridellia retusa, Phyllanthus emblica, Semecarpus anardium, Buchanania lanzan, Tamarindus indica, Ficus benghalensis, Ficus religiosa, Limonia acidissima, Syzygium cuminii etc. All these plantings will be one time operation without further years' maintainance. The process includes following steps:</p>						
	03.02.01	<p>1) Planting of :- (A) 2 rows of Gachakaya (Caesalpinia bonduc) seedlings in 2 staggered rows in 2x1 m spacment (row to row 1 m and within the row 2 m spacing) on the outer slope of the trench mound; (B) 1 row of wild edible fruit species on the ridge line of the trench mound at 2 m apart; (C) bamboo (Dendrocalamus strictus) seedlings / rhizome(2-3 yr old) at 4 m apart in the middle of the inner slope of the mound; and (D) broadcasting of pretreated (overnight soaking in boiled water) Babul (Acacia nilotica) seeds inside trench @ 500gms per km by staff. The total planting points thus works out to be 1750 seedlings per km on trench mound.</p>						
		<p>(A) 2 rows of Gachakaya (Caesalpinia bonduc) seedlings in 2 staggered rows in 2x1 m spacment (row to row 1 m and within the row 2 m spacing) on the outer slope of the trench mound.</p>						
		(a) Allignment & Stacking (in 2 staggered rows)	1000	Nos	70.08	100	Nos	701
		(b) Cost of preparation of stakes (0.45 m length) and transportation to site	1000	Nos	49.67	100	Nos	497
		(c) Digging of 30 cm ³ pits (50% of original rate) to be done during June	1000	Nos	2.06	1	No	2060
		(e) Transportation of seedlings (including loading and unloading) & Internal transport -						
		(i) From nursery to plantation site - upto 5 Kms lead - 12.5x22.5cm (5"x9") bag plants	1000	Nos	43.47	100	Nos	435
		(ii) From nursery to plantation site - beyond 5 Km lead - for every extra km beyond 5 km upto 25 km (10 Kms X 1.79)	1000	Nos	17.90	100	Nos	179
	03.02.02	Internal transportation to planting points on Head loads	1000	Nos	49.30	100	Nos	493
	03.02.03	Planting with 2.00 m apart in two row (1000 Nos. per km) and formation of saucer on lower slope to hold water.	1000	Nos	122.59	100	Nos	1226
2		<p>(B) 1 row of wild edible fruit species on the ridge line of the trench mound at 2 m apart (Bag Planting)</p>						
		(b) Cost of preparation of stakes (0.45 m length) and transportation to site	500	Nos	49.67	100	Nos	248
		(a) Allignment & Stacking (in 2 staggered rows)	500	Nos	70.08	100	Nos	350
		(d) Digging of 45 cm ³ pits (50% of original rate) to be done during June	500	Nos	9.28	1	No	4640
		(e) Transportation of seedlings (including loading and unloading) & Internal transport -						
		(i) From nursery to plantation site - upto 5 Kms lead -						
	02.02.01	(b) 15 X 30 cm (6"X12") bag plants	500	Nos	96.97	100	Nos	485
	02.02.02	(ii) From nursery to plantation site - beyond 5 Km lead - for every extra km beyond 5 km upto 25 km (10 x 3.38 = 33.80)	500	Nos	33.80	100	Nos	169
	02.02.04	Internal transportation to planting points on Head loads (b) 15 X 30 cm (6"X12") bag plants	500	Nos	80.06	100	Nos	400
	03.02.03	Planting with 2 m apart in one row (500Nos. per km)	500	Nos	122.59	100	Nos	613
3		<p>(C) bamboo (Dendrocalamus strictus) seedlings / rhizome(2-3 yr old) at 4 m apart in the middle of the inner slope of the mound (Bag planting)</p>						
		(b) Cost of preparation of stakes (0.45 m length) and transportation to site	250	Nos	49.67	100	Nos	124
		(a) Allignment & Stacking (in 2 staggered rows)	250	Nos	70.08	100	Nos	175
		(d) Digging of 45 cm ³ pits (50% of original rate) to be done during June	250	Nos	9.28	1	No	2320
		(e) Transportation of seedlings (including loading and unloading) & Internal transport -						
		(i) From nursery to plantation site - upto 5 Kms lead -						
	02.02.01	(b) 15 X 30 cm (6"X12") bag plants	250	Nos	96.97	100	Nos	242
	02.02.02	(ii) From nursery to plantation site - beyond 5 Km lead - for every extra km beyond 5 km upto 25 km (10 x 3.38 = 33.80)	250	Nos	33.80	100	Nos	85
	02.02.04	Internal transportation to planting points on Head loads (b) 15 X 30 cm (6"X12") bag plants	250	Nos	80.06	100	Nos	200
	03.02.03	Planting with 4 m apart in one row (250 Nos. per km)	250	Nos	122.59	100	Nos	306
4		<p>(D) broadcasting of pretreated (overnight soaking in boiled water) Babul (Acacia nilotica) seeds inside trench @ 500gms per km by staff</p>						
		Total						
								15948

Or 16000

Forest Divisional Officer,
Asifabad