

-177-

Unit Cost for Raising of N.T.S.H. Plantations 3m X 3m. (SMM)-FSR-2021-22

Code	Item of work	Qty	Unit Rate per Ha		
			Rate (Rs.)	Per	Amount (Rs.)
1	2	3	4	5	6
	Advance Operation works				
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				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.8	2185.43	Ha	1748
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.8	3284.95	Ha	2628
	(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.	0.4	7717.50	Ha	3087
02.08.03	Uprootal of stumps				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.8	5702.73	Ha	4562
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.8	11037.51	Ha	8830
	(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.	0.4	14349.28	Ha	5740
02.08.04	Collection and Removal of uprooted stumps of all sizes				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.8	6085.91	Ha	4869
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.8	9657.68	Ha	7726
	(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.	0.4	11260.88	Ha	4504
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	2	18016.52	Ha	36033
	Unit Rate for FSR 2021-22				80120
	Raising Operations				
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	2	5620.89	Ha	11242
02.09.01	Removing congestion of root suckers and other uprooted material hindering the effective ploughing	2	1119.37	1	2239
02.09.04	© Alignment and staking including laying base line for Misc species with espacement 3mX3m (1111 Nos)	2222	93.82	100	2085
02.09.05 (ii)	Cost of preparation of stakes (2.00 m length) and transportation to site.(Subject to condition that the seedling height is 1.5. to 2.00 M)	2222	1260.00	100	27997
02.09.06	© Digging of 45 cm cube size pits	2222	11.19	1	24864
	Transportation of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading				
02.09.07	upto 5 Km lead(20X30 cm (9"X11")bag plants)	2222	268.03	100	5956
02.09.08	5 Km to 25 Km lead(20X30 cm (9"X11")bag plants)	2222	188.40	100	4186
	Internal transport of bag plants/root trainers to planting points on head loads.				
02.09.10	20X30 cm (9"X11")bag plants	2222	173.08	100	3846
02.09.11	Cost of SSP, Chloridine dust or Chloropyriphos	2222	2.00	1	4444
a	Application of 50gm of SSP per pit	2222	41.23	100	916
	Planting Bag Plants				
02.09.12	Planting in 45 cm ³ Pit	2222	459.36	100	10207
02.15.10	Cost of supporting stake of 2.5 m long sturdy and straight and minimum 10 cm girth at base	2222	1736.44	100	38584
02.09.14 (a & b)	Watering to the plants - 2 waterings	2222	529.72	100	11770

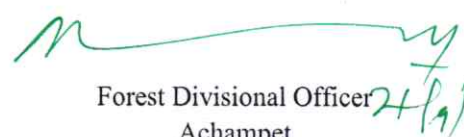
-179-

Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	3	4	5	6
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	444	5.60	1	2484
	Transportation Up to 5 Km + Beyond 5 Km)	444	456.43	100	2027
	Internal Transportation	444	173.08	100	768
	Planting	444	459.36	100	2040
02.09.16	Cost of DAP @25gm / planting point	2222	2.00	1	4444
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.	2222	41.23	100	916
02.09.18	<i>Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.</i>	2222	131.20	100	2915
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)	2222	689.06	100	15311
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	2	3502.95	1	7006
02.09.22	Uprootal of Mahaveera Weed	2	3833.45	1	7667
02.09.24	Contingencies provision for Raising of plantations: i) Fixing of Plantation Boards and Corner Stones ii) Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 5,000/-)				1966
	Unit Rate for FSR 2021-22				195880
	Advance & Raising Total :				276000

Forest Divisional Officer
Achampet

Unit Cost for 1st Year Maintenance of NTSB Plantation (3 m X 3 m) SMM per Ha -FSR-2021-22

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 45 cm cube size pits -	556	11.190	1	6222
02.09.07	Transportation up 5km	556	268.03	100	1490
02.09.08	Transportation beyond 5 Km (25 - 5) = 20 KM	556	188.40	100	1048
02.09.10	Internal Transportation	556	173.08	100	962
02.09.12	Planting in 45 cm ³ Pit	556	459.36	100	2554
02.09.16	Cost of DAP @25gm / planting point	2222	1.00	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. - 50% of rate	2222	41.23	100	916
02.10.02	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	2222	131.20	100	2915
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)	2222	689.06	100	15311
02.10.04	Uprootal of Mahaveera	2	3833.45	Ha	7667
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.	2	2553.54	Ha	5107
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)	2222	130.48	100	2899
02.10.08	Contingencies provision for Raising of plantaitons: i) Fixing of Plantation Boards and Corner Stones ii) Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 5,000/-)				687
	Unit Rate for 2021-22				50000


 Forest Divisional Officer
 Achampet

-183-

**Unit Cost for 2nd Year Maintenance of NTSH Plantation (3m x 3m)SMM per Ha -
FSR-2021-22**

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) - 20% 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 45 cm cube size pits -	222	11.190	1	2484
02.09.07	Transportation up 5km	222	268.03	100	595
02.09.08	Transportation beyond 5 Km (25 - 5) = 20 KM	222	188.40	100	418
02.09.10	Internal Transportation	222	173.08	100	384
02.09.12	Planting in 45 cm ³ Pit	222	459.36	100	1020
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)	2222	689.06	100	15311.00
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)	2222	130.48	100	2899.00
02.10.04	Uprootal of Mahaveera (60% of the area)	0.60	3833.45	Ha	2300
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.	200	6.45	Rmt	1290
02.11.06	Contingencies provision for Raising of plantaitons: i) Fixing of Plantation Boards and Corner Stones ii) Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 5,000/-)				944
Unit Rate for 2021-22					27645

Forest Divisional Officer
Achampet

25/9/21

-185-

Unit Cost for 3rd Year Maintenance of NTS Plantation (3m x 3m) SMM per Ha -FSR-2021-22

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)	2222	689.06	100	15311
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)	2222	130.48	100	2899
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	200	638.68	100 Rmt	1277
	Unit Rate for 2021-22				19487

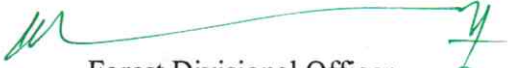
Forest Divisional Officer
Achampet

27/9/22

-187-

Unit Cost for 4th Year Maintenance of NTSH Plantation (3m x 3m) SMM per Ha -FSR-2021-22


Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	3	4	5	6
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)	2222	689.06	100	15311
02.11.03	Pruning of flower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height (to be done during July - Aug)	2222	130.48	100	2899
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	200	638.68	100 Rmt	1277
	Unit Rate for 2021-22				19487


Forest Divisional Officer
Achampet

-189-

Unit Cost for 5th Year Maintenance of NTSH Plantation (3m x 3m)SMM per Ha -FSR-2021-
22

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	3	4	5	6
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)- the work will be carried out between 1 m to 1.1 m in a ring formation- Hence 25% of cost adopted	2222	689.06	100	15311
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	200	638.68	100 Rmt	1277
Unit Rate for 2021-22					16588


Forest Divisional Officer
Achampet

-189/1-

Unit Cost for 6th Year Maintenance of NTSB Plantation (3m x 3m) SMM per Ha -FSR-2021-22

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
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
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	200	638.68	100 Rmt	1277
	Unit Rate for FSR 2021-22				2727


Forest Divisional Officer
Achampet

21/7/22

-191-

Unit Cost for 7th Year Maintenance of NTSH Plantation (3m x 3m) SMM per Ha FSR-2021-22

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)-the work will be carried out between 1 m to 1.1 m in a ring formation- Hence 25% of cost adopted	2222	689.06	100	15311
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	200	638.68	100 Rmt	1277
Unit Rate for FSR 2021-22					16588



Forest Divisional Officer
Achampet
7/5/22

193

Unit Cost for 8th Year Maintenance of NTSH Plantation (3m x 3m) SMM per Ha -FSR-2021-22

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
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)	2222	130.48	100	2899
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	638.68	100 Rmt	1277
Unit Rate for FSR 2021-22					4176


 Forest Divisional Officer
 Achampet
 27/7/24

-195-

Unit Cost for 9th Year Maintenance of NTSH Plantation (3m x 3m)SMM per Ha -FSR-2021-22

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)- the work will be carried out between 1 m to 1.1 m in a ring formation- Hence 25% of cost adopted	2222	689.06	100	15311
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	200	638.68	100 Rmt	1277
	Unit Rate for FSR 2021-22				16588

Forest Divisional Officer
Achampet

21/11/22

-197-

Unit Cost for 10th Year Maintenance of NTSH Plantation (3m x 3m) SMM per Ha -FSR-2021-22

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
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)	2222	130.48	100	2899
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	200	638.68	100 Rmt	1277
Unit Rate for FSR 2021-22					4176

Forest Divisional Officer
Achampet

my
27/12/22