

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

FSR Code	Item of work	Unit Rate per Ha			
		Qty	Rate (Rs.)	Per	Amount (Rs.)
02.08.01	Survey with GPS (Only staff to carry out) (Staff to carryout GPS Survey. One manday is allowed for assistance)	1	339.66	Plantation	340
02.08.02	Clearing unsalable unwanted jungle growth				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	1887.86	Ha	755
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	2837.66	Ha	1135
	(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	5686.75	Ha	1137
02.08.03	Uprootal of stumps				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	5033.32	Ha	2013
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	9741.86	Ha	3897
	(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	12664.86	Ha	2533
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	5359.33	Ha	2144
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	8504.65	Ha	3402
	(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	9916.46	Ha	1983
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	0.4	15901.60	Ha	6361
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	13556.13	Ha	5422
	(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	9380.64	Ha	1876

Unit Rate for 2018 -19

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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	6	7
02.09.03	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	1	2966.96	Ha	2967
02.09.01	Removing congestion of root suckers and other uprooted material hindering the effective ploughing	1	985.7	Ha	986
02.09.04	© Alignment and staking including laying base line for Misc species with espacement 3mX3m (1111 Nos)	1111	81.03	100	900
02.09.05	Cost of 0.45 M Stake preparation and transportation to site.	1111	51.65	100	574
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	11.43	1	12699
	Internal transport of bag plants/root trainers to planting points on head loads.				
02.09.10	20X30 cm (8"X12") bag plants	1111	128.79	100	1431
02.15.10	Cost of supporting stake of 2.5 m long sturdy and straight and minimum 10 cm girth at base	1111	13.25	1.00	14721
02.09.11	Cost of SSP, Chloridine dust or Chloropyriphos	1111	2.00	1	2222
	Application of 50gm of SSP per pit	1111	35.62	100	396
	Cost of Tall plants (8"x12" size)	1333	100.00	1	133300
	Planting Bag Plants				
02.09.13	Planting in 60 cm ³ Pit (for 45 cm ³ pit - Rs.381.54)	1111	939.86	100	10442
02.09.14	Watering to the plants - 2 times	1111	480.48	100	5338
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.			
	© 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)	222	5.71	1	1268
	Internal Transportation	222	128.79	100	286
	Planting in 60 cm ³ Pit (for 45 cm ³ pit - Rs.381.54)	222	939.86	100	2086
02.09.16	Cost of DAP @25gm / planting point	1111	2.00	1	2222
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	35.62	100	396
02.09.18	a) Circular weeding to a radius of 0.50 m around the plant (during July - Aug)	1111	113.34	100	1259
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.)	1111	595.23	100	6613
02.09.20	(b) Inter ploughing with heavy duty tractor of 55 HP to a depth of 30 cm in Hard Gravelly Soils	1	3091.77	1	3092
02.09.21	Uprootal of Mahaveera	1	3311.47	Ha	3311
02.09.24	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One Watcher for 9 months @Rs.8340 per month	1	7506.00	Ha	7506
	Unit Rate for 2018 -19				214015

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

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	3	4	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	11.428	1	3177
	Cost of Tall plants (8"x12" size)	278	100.000	1	27800
02.09.10	Internal Transportation	278	128.79	100	358
02.09.13	Planting in 60 cm ³ Pit (for 45 cm ³ pit - Rs.381.54)	278	939.86	100	2613
02.15.13	Watering to the plants- 2 waterings	1111	480.48	100	5338
02.09.16	Cost of DAP @25gm / planting point-50% of raising cost	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	17.81	100	198
02.10.02	Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug)	1111	113.34	100	1259
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	595.23	100	6613
02.10.04	Uprootal of Mahaveera	1	3311.47	Ha	3311
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	2253.79	Ha	2254
02.10.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	112.68	100	1252
02.10.09	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One Watcher for 12 months @Rs.8340 per month	1	10008.00	Ha	10008
	Unit Rate for 2018 -19				65292

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Unit Cost for 2nd 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	3	4	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	11.428	1	640
	Cost of Tall plants (8"x12" size)	56	100.000	1	5600
02.09.10	Internal Transportation	56	128.79	100	72
02.09.13	Planting in 60 cm ³ Pit (for 45 cm ³ pit - Rs.381.54)	56	939.86	100	526
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	2253.79	Ha	2254
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	595.23	100	6613
02.11.02	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	112.68	100	1252
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	5.55	Rmt	555
02.11.05	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One Watcher for 12 months @Rs.8340 per month	1	10008.00	Ha	10008
	Unit Rate for 2018 -19				27520

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Unit Cost for 3rd 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	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	595.23	100	6613
02.11.02	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	112.68	100	1252
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	551.70	100 Rmt	552
02.11.05	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One Watcher for 12 months @Rs.8340 per month	1	10008.00	Ha	10008
	Unit Rate for 2018 -19				18425

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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	6	7
02.11.02	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	112.68	100	1252
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	551.70	100 Rmt	552
02.11.05	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One Watcher for 12 months @Rs.8340 per month	1	10008.00	Ha	10008
	Unit Rate for 2018 -19				11812


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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
02.11.01	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	595.23	100	6613
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate ccost - 0.60 times	100	551.70	100 Rmt	552
	Unit Rate for 2018 -19				7165


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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	3	4	6	7
02.11.02	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	112.68	100	1252
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	551.70	100 Rmt	552
	Unit Rate for 2018 -19				1804


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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	595.23	100	6613
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	551.70	100 Rmt	552
	Unit Rate for 2018 -19				7165


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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	3	4	6	7
02.11.02	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	112.68	100	1252
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	551.70	100 Rmt	552
	Unit Rate for 2018 -19				1804


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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	3	4	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	595.23	100	6613
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	551.70	100 Rmt	552
	Unit Rate for 2018 -19				7165

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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	3	4	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	112.68	100	1252
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	551.70	100 Rmt	552
	Unit Rate for 2018 -19				1804


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