

Unit Cost for Advance Operations for Raising of N.T.S.H. Plantations 3m X 3m. (SMM)-FSR-2019-20

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	356.65	Plantation	357
02.08.02	Clearing unsalable unwanted jungle growth				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	1982.25	Ha	793
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	2979.55	Ha	1192
	(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	7000.00	Ha	1400
02.08.03	Uprootal of stumps				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	5184.30	Ha	2074
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	10034.10	Ha	4014
	(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	13044.80	Ha	2609
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	5520.10	Ha	2208
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	8759.80	Ha	3504
	(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	10213.95	Ha	2043
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	16378.65	Ha	16379
	Unit Rate for FSR 2019-20				36573


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Kaghaznagar

Unit Cost for Raising of N.T.S.H. Plantations 3m X 3m. (SMM)-FSR-2019-20

Unit Rate per Ha

Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	3	4	5	6
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	5109.90	Ha	5110
02.09.01	Removing congestion of root suckers and other uprooted material hindering the effective ploughing	1	1015.30	1	1015
02.09.04	© Alignment and staking including laying base line for Misc species with espacement 3mX3m (1111 Nos)	1111	85.10	100	945
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)	1111	860.00	100	9555
02.09.06	© Digging of 45 cm cube size pits	1111	10.15	1	11277
	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 (8"X12")bag plants)	1111	196.60	100	2184
02.09.08	5 Km to 25 Km lead(20X30 cm (8"X12")bag plants)	1111	153.00	100	1700
	Internal transport of bag plants/root trainers to planting points on head loads.				
02.09.10	20X30 cm (8"X12")bag plants	1111	135.25	100	1503
02.09.11	Cost of SSP, Chloridine dust or Chloropyriphos	1111	2.00	1	2222
a	Application of 50gm of SSP per pit	1111	37.40	100	416
	Planting Bag Plants				
02.09.12	Planting in 45 cm ³ Pit	1111	416.65	100	4629
02.15.10	Cost of supporting stake of 2.5 m long sturdy and straight and minimum 10 cm girth at base	1111	1575.00	100	17498
02.09.14 (a & b)	Watering to the plants - 2 waterings	1111	504.50	100	5605
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	5.08	1	1127
	Transportation Up to 5 Km + Beyond 5 Km)	222	349.60	100	776
	Internal Transportation	222	135.25	100	300
	Planting	222	416.65	100	925
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	37.40	100	416
02.09.18		1111	119.00	100	1322
02.09.19		1111	625.00	100	6944
02.09.20		1	3184.50	1	3185
03.02.05 a	Sowing of treated seed (Forest species)	0.25	1637.15	1	409
02.09.22	Uproot of Mahaveera Weed	1	3477.05	1	3477
02.09.25	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher 8757 x 9 = 78813 /10	1	7881.00	Ha	7881
02.09.24	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/-)				1000
	Unit Rate for FSR 2019-20				93643

Forest Divisional Officer
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Unit Cost for 1st Year Maintenance of NTSH Plantation (3 m X 3 m) SMM per Ha -FSR-2019-20

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 -	278	10.150	1	2822
02.09.07	Transportation up 5km	278	196.60	100	547
02.09.08	Transportation beyond 5 Km (25 - 5) = 20 KM	278	153.00	100	425
02.09.10	Internal Transportation	278	135.25	100	376
02.09.12	Planting in 45 cm ³ Pit	278	416.65	100	1158
02.09.16	Cost of DAP @25gm / planting point	1111	1.00	1	1111
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	1111	18.70	100	208
02.10.02	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	1111	119.00	100	1322
02.10.03	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	1111	119.00	100	1322
02.10.04	Uproot of Mahaveera	1	3477.05	Ha	3477
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	2321.40	Ha	2321
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	118.35	100	1315
02.10.09	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; 8757 x 12 = 105084 / 10	1	10508.00	Ha	10508
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/-)				600
Unit Rate for 2019-20					27512


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Unit Cost for 2nd Year Maintenance of NTSH Plantation (3m x 3m)SMM per Ha -
FSR-2019-20

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		
02.09.06	Digging of 45 cm cube size pits -	222	10.150	1	2253
02.09.07	Transportation up 5km	222	196.60	100	436
02.09.08	Transportation beyond 5 Km (25 - 5) = 20 KM	222	153.00	100	340
02.09.10	Internal Transportation	222	135.25	100	300
02.09.12	Planting in 45 cm ³ Pit	222	416.65	100	925
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	625.00	100	6944.00
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	118.35	100	1315.00
02.10.04	Uprootal of Mahaveera (60% of the area)	0.60	3477.05	Ha	2086
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	5.85	Rmt	585
02.11.05	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; $8757 \times 12 = 105084 / 10$	1	10508.00	Ha	10508.00
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/-)				500
Unit Rate for 2019-20					26192

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Unit Cost for 3rd Year Maintenance of NTSH Plantation (3m x 3m) SMM per Ha -FSR-2019-20

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	625.00	100	6944
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	118.35	100	1315
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - proportionate cost - 0.60 times	100	347.58	100 Rmt	348
02.11.05	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; $8757 \times 12 = 105084 / 10$	1	10508.00	Ha	10508.00
Unit Rate for 2019-20					19115

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Unit Cost for 4th Year Maintenance of NTSH Plantation (3m x 3m) SMM per Ha -FSR-2019-20

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)	1111	625.00	100	6944
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	118.35	100	1315
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	347.58	100 Rmt	348
02.11.05	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; $8757 \times 12 = 105084 / 10$	1	10508.00	Ha	10508
Unit Rate for 2019-20					
					19115


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Unit Cost for 5th Year Maintenance of NTSH Plantation (3m x 3m)SMM per Ha -FSR-2019-20

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	1111	156.25	100	1736
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	347.58	100 Rmt	348
02.11.05	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; $8757 \times 12 = 105084 / 10$	1	10508.00	Ha	10508
Unit Rate for 2019-20					12592


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Unit Cost for 6th Year Maintenance of NTSH Plantation (3m x 3m) SMM per Ha -FSR-2019-20

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	118.35	100	1315
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	347.58	100 Rmt	348
02.11.05	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; $8757 \times 12 = 105084 / 15$	1	7006.00	Ha	7006
Unit Rate for FSR 2019-20					8669

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Unit Cost for 7th Year Maintenance of NTSH Plantation (3m x 3m) SMM per Ha -FSR-2019-20

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)- the work will be carried out between 1 m to 1.1 m in a ring formation- Hence 25% of cost adopted .	1111	156.25	100	1736
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	347.58	100 Rmt	348
Unit Rate for 2019-20					2084

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Unit Cost for 8th Year Maintenance of NTSH Plantation (3m x 3m) SMM per Ha -FSR-2019-20

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	118.35	100	1315
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	347.58	100 Rmt	348
	Unit Rate for FSR 2019-20				1663


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Unit Cost for 9th Year Maintenance of NTSH Plantation (3m x 3m)SMM per Ha -FSR-2019-20

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	1111	156.25	100	1736
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - proportionate cost - 0.60 times	100	347.58	100 Rmt	348
Unit Rate for FSR 2019-20					2084

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Unit Cost for 10th Year Maintenance of NTSH Plantation (3m x 3m) SMM per Ha -FSR-2019-20

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	118.35	100	1315
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	347.58	100 Rmt	348
Unit Rate for FSR 2019-20					1663


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