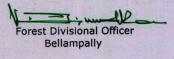
Unit Cost for Raising of N.T.S.H. Plantations 3m X 3m. (SMM)

	-	Rate	Jill K	Amount	
Item of work	Qty	(Rs.)	Per	(Rs.)	
2	3	4	5	6	
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	2697.24	На	2697	
Removing congestion of root suckers and other uprooted material hindering the effective ploughing	1	896.09	1	896	
© Alignment and staking including laying base line for Misc species with espacement 3mX3m (1111 Nos)	1666	77.91	100	1298	
05 Cost of 0.45 M Stake preparation and transportation to site.	1666	49.67	100	828	
© 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 -	1666	10.99	1	18310	
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 = 0.316 cum = 66% of cost	237.50	310.86	cum	73830	
Transportation of Bag plants / Root trainer plants from nursery site to plantation site including loading and uploading					
07 upto 5 Km lead(20X30 cm (8"X12")bag plants)	1666	173.49	100	2890	
08 5 Km to 25 Km lead(20X30 cm (8"X12")bag plants)	1666	135.00	100	2249	
Internal transport of bag plants/root trainers to planting points on head loads.					
10 20X30 cm (8"X12")bag plants	1666	123.84	100	2063	
.11 Cost of SSP, Chloridine dust or Chloropyriphos	1666	2.00	1	3332	
Application of 50gm of SSP per pit Planting Bag Plants	1666	34.25	100	571	
.13 Planting in 60 cm ³ Pit (for 45 cm3 pit - Rs.381.54)	1666	903.71	100	15056	
.10 Cost of supporting stake of 2.5 m long sturdy and straight and minimum 10 cm girth at base	1666	15.00	1.00	24990	
.14 Watering to the plants - 9 waterings	1666	2079.00	100	34636	
Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance)	during ma	of rate of or raising year intenance years ansportation	r and 10 years. P	00% during lanting, nternal	
Pitting	333	5.50	1	1830	
Transportation	333	308.49	100	1027	
Internal Transportation	333	903.71	100	3009	
Planting Cost of DAP @25gm / planting point	333 1666	2.00	1	3332	
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	1666	34.25	100	571	
.18 a) Circular weeding to a radius of 0.50 m around the plant	1000	108.98	100	1816	
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.)	1666	572.33	100	9535	
(b) Inter ploughing with heavy duty tractor of 55 HP to a depth of 30 cm in Hard Gravelly Soils during Novermber	1	2810.70	1	2811	
.22 Uprootal of Mahaveera Weed	1	3184.10	1	3184	
Cost of Protection: One Watcher is allowed for 10-30 ha	1	3416.44	На	3416	
Uproot Cost of plantat	al of Mahaveera Weed	al of Mahaveera Weed 1 If Protection: One Watcher is allowed for 10-30 ha. 1 1 1 1 1 1 1 1 1 1 1 1 1	al of Mahaveera Weed 1 3184.10 of Protection: One Watcher is allowed for 10-30 ha. 1 3416.44	al of Mahaveera Weed 1 3184.10 1 of Protection: One Watcher is allowed for 10-30 ha. 1 3416.44 Ha	



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	326.59	Plantati on	327	
02.08.02	Clearing unsalable unwanted jungle growth					
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	1815.25	На	726	
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	2728.52	На	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.		5468.03	На	1094	
02.08.03	Uprootal of stumps		The same of the same of			
02.08.03	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	4575.74	На	1830	
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	8856.24	На	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.		11513.51	На	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	На	1949	
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	7731.50	На	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.		9014.96	На	1803	
02.08.05	laffected area					
а	Sparce jungle growth less than 10% ground area covered with jungle growth	1	14456.00	На	14456	
	Unit Rate for 2017 -18				3221	

UNIT COST FOR RAISING OF PRIMARY BEDS

SI. 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			11 11 11	
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	25.4	25.40	
5		5 Kms to 25 Kms	Bed	20.20	20.20	
6		Cost of FYM	Bed	21.87	21.87	
7		Mixing of soil with FYM	Bed	9.92	9.92	
8		Covering the beds	Bed	11.34	11.34	
9		Soil drenching			3, 3, 3, 3, -11	
10		Cost of seed	Bed	200.00	200.00	
11		Sowing of seed	Bed	11.29	11.29	
12		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		Cost of chemicals	Bed	20.00	20.00	
16	01.01.13	Electrical Charges	ALC: ALC:	20.00	20.00	
10		Total			423.54	
		Rasing of seedlings 110% for abtaining 100%		10%	42.35	
		Total			465.89	
	cost of each plant (2000 plants per bed) - 2017-18					

UNIT COST FOR BAG PLANT NURSERY (NOVEMBER TO MARCH)

SI.	FSR- 2017-18 Code	Item of work	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	7
		Raising of bag plant nursery 5x9	9.3		
1		Site preparation	Bed	46.33	46.33
2		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		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		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-arranding (2 Gradings) twice	Bed	428.98	428.98
12	01.03.14	Replacement of casualties	Bed	60.90	60.90
13		Cost of foliar nutrient formulations	Bed	34.00	34.00
14		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%			751.09
		Grand Total			8136.87
		cost of each plant (1700 plants per bed)	A Inches		4.79

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

SI.	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	A THE		2372.19
100		cost of each plant (1700 plants per bed)			1.3954

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UNIT COST FOR CONVERSION FROM 5"x9" to 8"x12" (1000 plants)

SI.	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			2160.00	2160.00
4	01.03.29	Weeding the plants (45.93x2x1000/800)	1000 plants	114.83	114.83
		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 (10000x1.15/86x175)		2340.12	2340.12
9		Electricity charges		400.00	400.00
		Total			11219.64
10	01.03.34	Contingencies @ 5%			560.98
		Total			11780.62
11	ALL DESCRIPTION OF THE PERSON	Add 10% Casuality			1178.06
		Grand Total			12958.68
12		cost of each plant			12.96

UNIT COST FOR MAINTENANCE OF BAG PLANTS

SI. 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 fertilezers	As per actuals	20.00	20.00
5	01.04.06	Cost and transportation of cow dung	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
1200		Electricity charges		300.00	300.00
		Total	- HOUSE		2190.13
8	01.04.08	Contingencies @ 5%	- 11		109.51
9		Total	ALC: NO.		2299.64
		cost of each plant (800 Plants per bed)			2.87

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

Unit Rate per Ha

		omt Rate per ma				
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 oif Eucalyptus 10% during raising and no casuality replacement for further maintenance) - 25 % proposed	raising y years. P		% during sportation	maintenance and internal	
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)	333	10.990	1	3660	
02.09.07	Transportation up 5km	333	173.49	100	578	
02.09.08	Transportation beyond 5 Km (25 - 5) = 20 KM	333	135.00	100	450	
02.09.10	Internal Transportation	333	123.84	100	412	
02.09.13	Planting in 60 cm ³ Pit (for 45 cm3 pit - Rs.381.54)	333	903.71	100	3009	
02.15.13	Watering to the plants- 4 times	1666	924.00	100	15394	
02.09.16	Cost of DAP @25gm / planting point	1666	1.00	1	1666	
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		17.13	100	285	
02.10.02	Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug)	1666	108.98	100	1816	
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 -		572.33	100	9535	
02.10.04	Uprootal of Mahaveera (100% of the area)	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)	1	2048.90	На	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)		108.35	100	1805	
02.10.09	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; Rs. 8017 * 12 / 10 * 4.735 / 10	1	4555.26	На	4555	
	Unit Rate for 2017 -18				48398	

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

Unit Rate per Ha

		Offic ita	te per na	Control of the last of the las		
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 oif Eucalyptus 10% during raising and no casuality replacement for further maintenance) - 5% proposed	raising y	f rate of original rate of original rate of the following	% during asportation	maintenance and internal	
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)		10.990	1	912	
02.09.07	Transportation up 5km	83	173.49	100	144	
02.09.08	Transportation beyond 5 Km (25 - 5) = 20 KM	83	135.00	100	112	
02.09.10	Internal Transportation	83	123.84	100	103	
02.09.13	Planting in 60 cm ³ Pit (for 45 cm3 pit - Rs.381.54)	83	903.71	100	750	
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.		2048.90	На	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)	1666	572.33	100	9535.00	
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 - Auf)	1666	108.35	100	1805.00	
02.10.04	Uprootal of Mahaveera (60% of the area)	0.6	3184.10	На	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.		5.33	Rmt	533	
02.11.05	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; Rs. 8017 * 12 / 10 * 4.735 / 10		4555.26	На	4555.00	
	Unit Rate for 2017 -18				22408	

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

Unit Rate per Ha Rate **FSR Code** Amount Item of work Qty Per (Rs.) (Rs.) 4 6 5 Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to 02.11.01 1666 572.33 100 9535 be done by pick-axe only) without damaging the plant. (July-Aug) Pruning of flower branch initials of Timber 02.11.02 and NTFP species by scicature upto 1/3 rd 1666 108.35 100 1805 height (to be done during July - Aug) Maintenance of fire lines (5.00 mtr width) 100 03.05.01 including cutting back of rank growth and 100 318.29 318 Rmt burning - propotionate cost - 0.60 times Cost of Protection: One Watcher is

allowed for 10-30 ha. plantation; Rs. 8017 *

12 / 10 * 4.735 / 10 Unit Rate for 2017 -18

02.11.05

Forest Divisional Officer Bellampally

4555.26

Ha

4555

16213

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

Unit Rate per Ha

	Offic 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)	1666	572.33	100	9535		
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)	1666	108.35	100	1805		
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; Rs. 8017 * 12 / 10 * 4.735 / 10	1	4555.26	На	4555		
	Unit Rate for 2017 -18		PERSONAL PROPERTY AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF T		16213		

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

Unit Rate per Ha

	ome Rate per na						
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	1666	143.08	100	2384		
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	318.29	100 Rmt	318		
	Unit Rate for 2017 -18			1000	2702		

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

Unit Rate per Ha

	Ometrate per the						
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)		108.35	100	1805		
	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times		318.29	100 Rmt	318		
He Hall	Unit Rate for 2017 -18				2123		

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

Unit Rate per Ha

	Office Rate per Hu							
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		143.08	100	2384			
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				2702			

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

Unit Rate per Ha **Amount** Rate FSR Code Per Item of work Qty (Rs.) (Rs.) 6 4 5 7 Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd 1666 1805 108.35 100 02.11.02 height (to be done during July - Aug) Maintenance of fire lines (5.00 mtr width) 100 including cutting back of rank growth and 100 318.29 318 03.05.01 Rmt burning - propotionate cost - 0.60 times Unit Rate for 2017 -18 2123

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

Unit Rate per Ha Rate **Amoun** FSR Code Per Item of work Qty (Rs.) t (Rs.) 5 6 4 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 1666 143.08 100 2384 02.11.01 will be carried out between 1 m to 1.1 m in a ring formation- Hence 25% of cost adopted Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and 100 100 Rmt 318 03.05.01 318.29 burning - propotionate cost - 0.60 times Unit Rate for 2017 -18 2702

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

Unit Rate per Ha

	Offic 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)	1666	108.35	100	1805		
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times		318.29	100 Rmt	318		
	Unit Rate for 2017 -18				2123		