

Unit Cost for Advance Operations for Raising of N.T.S.H. Plantations 3m X 3m (LIM) during 2019-20
2020-21

Unit Rate per Ha

FSR Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
				Rate (Rs.)	Agency allowance (Rs)	Total (Rs.)	Per	
02.01.01	Survey with hand-held GPS (staff to carry out) and demarcation - one manday is allowed for assistance. The surveyed sketch with exact effective area statement will be uploaded in MIS platform by end of December.	Plantation	1	374.48	0.00	374.48	1	374
02.01.02	Clearing unsalable unwanted jungle growth (leaving all the tree species of good form particularly the hardwood tree species like Teak, Nallamaddi, Yegisa, Narepa, Somi, Jitregi, Billudu, Chenangi etc. and NTFP species like Ippa, Morri, Tani, Karaka, Vepa, Maredu, Tapasi, Tuniki, Chinta, Usuri, Nallajeedi etc.); Spreading the cut material all over the site; and Burning the same twice till completely burnt. The unsuitable area shall be excuded from the clearing operation and the expenditure shall be incurred for effective area only. All the above operations shall be completed before December.							
b	Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	Ha	1	3128.53	782.13	3910.66	1	3911
	Unit Rate for 2020-21							4285

10% escalation every year

Nalband
Nalband/c Forest Range Officer
Bandal
Lingala Range.

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Forest Divisional Officer,
Tadvai Division

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Unit Cost for Raising of N.T.S.H. Plantations 3m X 3m. (LIM) during ~~2019-20~~
2020-21

Unit Rate per Ha

FSR Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
				Rate (Rs.)	Agency allowance (Rs)	Total (Rs.)	Per	
02.01.04	ii) Cost of preparation of stakes (2.0m length) and transportation to site (subject to condition that the seedling height is 1.5m to 2.0m height)	Ha	100	1200.00	0.00	1200.00	100	1200
02.01.05	Alignment & stacking including Demarcation of Base line							
	b) 3x3 m espacement = 1111 planting points		100	89.36	22.34	111.70	100	111.70
02.01.07	Digging of Pits - Manual (As per RSSR)							
	45 cm cube size pits	No's	100	22.58	5.65	28.23	1	2823
	PLANTING OPERATIONS DURING RAISING YEAR							
	Transportation of Planting Stock (including loading and unloading) up to a distance of 5 km	No's	100	206.43	0	206.43	100	20643
02.02.04	Internal transportation to planting points on head loads							
	(c) 20 X 30 cm (8"X12") bag plants	No's	100	142.01	35.50	177.51	100	178
02.02.05	(a) Application of 50 gm of SSP per pit (1 day before planting) for root growth and early establishment of plant after planting. ii) Similarly, the bag plants to be planted will be dipped inside Chloropyriphos solution (5ml Chloropyriphos in 1 lit water) either at nursery site before transport or at plantation site before planting	No's	100	39.27	9.82	49.09	100	4909
02.02.06	(b) Cost of SSP, Chloridine dust or Chloropyriphos	No's	100	2.00	0.00	2.00	1	200
	Planting Bag Plants							
02.02.07	Planting in 45 cm size cubic pit Pit	No's	100	437.48	109.37	546.85	100	547
02.02.09	Watering (one time) immediately after planting if the planting takes place on a non-rainy day and if there is no rains after planting for 1-2 days with prior written permission of Circle Head and under intimation to Head Office. Also the date of watering is to be recorded in plantation Journal (Refer PCCF Office Rc. No. 17309/2000/G1, Dt. 16.08.2005 - Circular No. 6B/2005/G1)	No's	100	264.86	0.00	264.86	101	265

FSR Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
				Rate (Rs.)	Agency allowance (Rs)	Total (Rs.)	Per	
	b) High rainfall zone > 800mm (for Warangal, Khammam and Adilabad Circle)	Ha	11	1463.28	365.82	1829.10	1	20120
02.02.17	Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3rd height during October	No's	100	124.27	31.07	155.34	100	155
02.02.19	Enumeration of row-wise survival and average growth twice in the raising year	To be got done by the plantation incharge						
02.02.21	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year. - 9 months, Rs.8757 per month, proposed one watcher for 20 ha	Ha	1	9194.00	0.00	9194.00	Ha	
Unit Rate for 2020-21								31792

10% escalation every year

Rall. F.S.O

Banda

I/c Forest Range Officer
Lingala Range.

Forest Divisional Officer,
Tadvai Division

Unit Cost for 1st Year Maintenance of NTSH Plantation (3m X 3 m) LIM per Ha during 2019-20

2020-21

Unit Rate per Ha

FSR Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
				Rate (Rs.)	Agency allowance (Rs)	Total (Rs.)	Per	
02.03.01	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				
02.01.07	Digging of Pits in Ploughed Areas in June - July by adopting 50% of original rate of digging of pits of ordinary soil - a) 45 cm size cubic pits	No's	25	22.58	5.65	28.23	1	706
	Transportation of Planting Stock (including loading and unloading) up to a distance of 5 km	No's	25	206.43	0.00	206.43	1	5161
02.02.04	Internal transportation to planting points on head loads (c) 20 X 30 cm (8"X12") bag plants	No's	25	142.01	35.50	177.51	100	44
02.02.07	Planting in 45 cm size cubic pit Pit	No's	25	437.48	109.37	546.85	100	137
02.02.09	Watering (one time) immediately after planting if the planting takes place on a non-rainy day and if there is no rains after planting for 1-2 days with prior written permission of Circle Head and under intimation to Head Office. Also the date of watering is to be recorded in plantation Journal (Refer PCCF Office Rc. No. 17309/2000/G1, Dt. 16.08.2005 - Circular No. 6B/2005/G1)	No's	25	264.86	0.00	264.86	100	66
02.02.06	Cost of DAP @25gm / planting point-50% of raising cost	No's	100	1.00		1.00	1	100
02.02.05	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 and closing. Ensure that the soil is really wet at the time of DAP application.	No's	100	39.27	9.82	49.09	100	49
	WEEDING & SOIL WORKING							
02.03.02	Weeding and saucer formation to a radius of 0.50m around the plant immediately after planting i.e., during June	No's	100	125.00	31.25	156.25	100	156
02.03.03	Circular weeding to a radius of 0.50m around i.e., Aug-Sept	No's	100	125.00	31.25	156.25	100	156
02.03.04	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.)	No's	100	656.25	164.06	820.31	100	820

Unit Cost for 2nd Year Maintenance of NTSH Plantation (3m X 3 m) LIM per Ha during 2019-20

2020-21

Unit Rate per Ha


FSR Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
				Rate (Rs.)	Agency allowance (Rs)	Total (Rs.)	Per	
02.03.01	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.				
02.01.07	Digging of Pits in Ploughed Areas in June - July by adopting 50% of original rate of digging of pits of ordinary soil - a) 45 cm size cubic pits	No's	25	22.58	5.65	28.23	1	706
	Transportation of Planting Stock (including loading and unloading) up to a distance of 5 km	No's	25	206.43	0.00	206.43	1	5161
02.02.04	Internal transportation to planting points on head loads (c) 20 X 30 cm (8"X12") bag plants	No's	25	142.01	35.50	177.51	100	44
02.02.07	Planting in 45 cm size cubic pit Pit	No's	25	437.48	109.37	546.85	100	137
02.02.09	Watering (one time) immediately after planting if the planting takes place on a non-rainy day and if there is no rains after planting for 1-2 days with prior written permission of Circle Head and under intimation to Head Office. Also the date of watering is to be recorded in plantation Journal (Refer PCCF Office Rc. No. 17309/2000/G1, Dt. 16.08.2005 - Circular No. 6B/2005/G1)	No's	25	264.86	0.00	264.86	100	66
02.02.06	Cost of DAP @25gm / planting point-50% of raising cost	No's	100	1.00		1.00	1	100
02.02.05	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 and closing. Ensure that the soil is really wet at the time of DAP application.	No's	100	39.27	9.82	49.09	100	4909
	WEEDING & SOIL WORKING							
02.03.02	Weeding and saucer formation to a radius of 0.50m around the plant immediately after planting i.e., during June	No's	100	125.00	31.25	156.25	100	156
02.03.03	Circular weeding to a radius of 0.50m around i.e., Aug-Sept	No's	100	125.00	31.25	156.25	100	156
02.03.04	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.)	No's	100	656.25	164.06	820.31	100	820

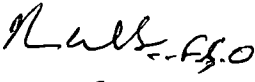
Unit Cost for 3rd Year Maintenance of NTSH Plantation (3m X 2m) LIM per Ha

Unit Rate per Ha

FSR Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
				Rate (Rs.)	Agency allowen ce (Rs)	Total (Rs.)	Per	
02.03.02	Weeding and saucer formation to a radius of 0.50m around the plant immediately after planting i.e., during June	No's	100	125.00	31.25	156.25	100	156
02.03.03	Circular weeding to a radius of 0.50m around i.e., Aug-Sept	No's	100	125.00	31.25	156.25	100	156
02.03.04	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.)	No's	100	656.25	164.06	820.31	100	820
03.04.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning	Rmt	400	608.27	152.07	760.34	100	800
02.10.09	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year. - 12 months, Rs.8757 per month, proposed one watcher for 20 ha	Ha	1	9194.00	0.00	9194.00	Ha	
Unit Rate for 2020-21								4173

10% escalation every year


I/c Forest Range Officer
Lingala Range.


Buidar


Forest Divisional Officer,
Tadvai Division

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

Unit Rate per Ha

FSR Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
				Rate (Rs.)	Agency allowance (Rs)	Total (Rs.)	Per	
02.03.02	Weeding and saucer formation to a radius of 0.50m around the plant immediately after planting i.e., during June	No's	100	125.00	31.25	156.25	100	156
02.03.03	Circular weeding to a radius of 0.50m around i.e., Aug-Sept	No's	100	125.00	31.25	156.25	100	156
02.03.04	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.)	No's	100	656.25	164.06	820.31	100	820
02.03.05	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between planting rows (to be undertaken during July - August)							
	b) High rainfall zone > 800mm (for Warangal, Khammam and Adilabad Circle)	ha	1	1463.28	365.82	1829.10	1	1829
02.10.09	Cost of Protection: One Watcher is allowed for 10 30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year. - 12 months, Rs.8757 per month, proposed one watcher for 20 ha	Ha	1	9194.00	0.00	9194.00	Ha	
Unit Rate for 2020-21								2961

10% escalation every year

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I/c Forest Range Officer
Lingala Range.

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Forest Divisional Officer,
Tadvai Division

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

Unit Rate per Ha

FSR Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
				Rate (Rs.)	Agency allowance (Rs)	Total (Rs.)	Per	
02.03.06	Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height during October	No's	100	124.27	31.07	155.34	100	155
03.04.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning	Rmt	400	608.27	152.07	760.34	100	3041
02.10.09	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year. - 12 months, Rs.8757 per month, proposed one watcher for 20 ha	Ha	1	9194.00	0.00	9194.00	Ha	
Unit Rate for 2020-21								3196

10% escalation every year

Rault *Bandaj*
 1/c Forest Range Officer
 Lingala Range.

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 Forest Divisional Officer,
 Tadvai Division

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

Unit Rate per Ha

FSR Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
				Rate (Rs.)	Agency allowen ce (Rs)	Total (Rs.)	Per	
02.03.02	Weeding and saucer formation to a radius of 0.50m around the plant immediately after planting i.e., during June	No's	100	125.00	31.25	156.25	100	156
02.03.03	Circular weeding to a radius of 0.50m around i.e., Aug-Sept	No's	100	125.00	31.25	156.25	100	156
02.03.04	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.)	No's	100	656.25	164.06	820.31	100	820
02.03.05	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between planting rows (to be undertaken during July - August)							
	b) High rainfall zone > 800mm (for Warangal, Khammam and Adilabad Circle)	ha	1	1463.28	365.82	1829.10	1	1829
03.04.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning	Rmt	400	608.27	152.07	760.34	100	3041
02.10.09	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year. - 12 months, Rs.8757 per month, proposed one watcher for 20 ha	Ha	1	9194.00	0.00	9194.00	Ha	
Unit Rate for 2020-21								6002

10% escalation every year

Nallabasu
Banda
i/c Forest Range Officer
Lingala Range.

Srinivas
Forest Divisional Officer,
Tadvai Division

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

Unit Rate per Ha

FSR Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
				Rate (Rs.)	Agency allowance (Rs)	Total (Rs.)	Per	
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	No's	100	124.27	31.07	155.34	100	155
03.04.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning	Rmt	400	608.27	152.07	760.34	100	3041
02.10.09	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year. - 12 months, Rs.8757 per month, proposed one watcher for 20 ha	Ha	1	9194.00	0.00	9194.00	Ha	
Unit Rate for 2020-21								3196

10% escalation every year

[Signature]
 I/c Forest Range Officer
 Lingala Range.

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 Forest Divisional Officer,
 Tadvai Division

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

Unit Rate per Ha

FSR Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
				Rate (Rs.)	Agency allowen ce (Rs)	Total (Rs.)	Per	
02.03.02	Weeding and saucer formation to a radius of 0.50m around the plant immediately after planting i.e., during June	No's	100	125.00	31.25	156.25	100	156
02.03.03	Circular weeding to a radius of 0.50m around i.e., Aug-Sept	No's	100	125.00	31.25	156.25	100	156
02.03.04	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.)	No's	100	656.25	164.06	820.31	100	820
02.03.05	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between planting rows (to be undertaken during July - August)							
	b) High rainfall zone > 800mm (for Warangal, Khammam and Adilabad Circle)	ha	1	1463.28	365.82	1829.10	1	1829
03.04.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning	Rmt	400	608.27	152.07	760.34	100	3041
	Unit Rate for 2020-21							6002

10% escalation every year

R. K. FSO
Bundal

S. S. S.
I/c Forest Range Officer
Lingala Range.

S. S. S.
Forest Divisional Officer,
Tadvai Division

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

Unit Rate per Ha

FSR Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
				Rate (Rs.)	Agency allowance (Rs)	Total (Rs.)	Per	
02.03.06	Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height during October	No's	100	124.27	31.07	155.34	100	155
03.04.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning	Rmt	400	608.27	152.07	760.34	100	3041
Unit Rate for 2020-21								3196

10% escalation every year

R. K. G. S. O.
Bundal

Satish
I/c Forest Range Officer
Lingala Range.

Satish
Forest Divisional Officer,
Tadvai Division


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

Unit Rate per Ha

FSR Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
				Rate (Rs.)	Agency allowen ce (Rs)	Total (Rs.)	Per	
02.03.02	Weeding and saucer formation to a radius of 0.50m around the plant immediately after planting i.e., during June	No's	100	125.00	31.25	156.25	100	156
02.03.03	Circular weeding to a radius of 0.50m around i.e., Aug-Sept	No's	100	125.00	31.25	156.25	100	156
02.03.04	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.)	No's	100	656.25	164.06	820.31	100	820
02.03.05	Cutting of coppice growth flush to the ground to reduce the competition over the entire area duly retaining useful species after planting and placing the cut material in between planting rows (to be undertaken during July - August)							
	b) High rainfall zone > 800mm (for Warangal, Khammam and Adilabad Circle)	ha	1	1463.28	365.82	1829.10	1	1829
03.04.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning	Rmt	400	608.27	152.07	760.34	100	3041
Unit Rate for 2020-21								6002

10% escalation every year

R. Subbarao
Bundel


I/c Forest Range Officer
Lingala Range.


Forest Divisional Officer,
Tadvai Division