

Sl. No.	Item of Work	Phy	2020 - 21		2021 - 22		2022 - 23		2023 - 24		2024 - 25		2025 - 26		2026 - 27		2027 - 28		2028 - 29		2029 - 30		2030 - 31		2031- 32		2032- 33		Grand Total			
			Unit Cost 2019-20 (Rs.)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)
I	Planting activities (SMM) in DFL																															
1	Advance Operations	Ha	1847			0.50	2458	0.01229																							0.50	0.01229
2	Raising of Plantation	Ha	81468					0.50	119277	0.59638																					0.50	0.59638
3	1st Year Maintenance	Ha	45413							0.50	74749	0.37374																			0.50	0.37374
4	2nd Year Maintenance	Ha	45688								0.50	80939	0.40470																		0.50	0.40470
5	3rd Year Maintenance	Ha	7004									0.50	13649	0.06825																	0.50	0.06825
6	4th Year Maintenance	Ha	4495											0.50	9635	0.04818															0.50	0.04818
7	5th Year Maintenance	Ha	1100													0.50	2594	0.01297													0.50	0.01297
8	6th Year Maintenance	Ha	5074															0.50	13161	0.06580											0.50	0.06580
9	7th Year Maintenance	Ha	1100																	0.50	3139	0.01570									0.50	0.01570
10	8th Year Maintenance	Ha	5074																		0.50	15924	0.07962								0.50	0.07962
11	9th Year Maintenance	Ha	1100																			0.50	3799	0.01899							0.50	0.01899
12	10th Year Maintenance	Ha	5074																					0.50	19269	0.09634				0.50	0.09634	
	Sub Total:				0.00000		0.01229		0.59638	0.37374		0.40470	0.06825		0.04818	0.01297		0.06580		0.01570	0.07962		0.01899		0.09634					1.79297		
II	Administrative Cost - 10%				0.00000		0.00123		0.05964	0.03737		0.04047	0.00682		0.00482	0.00130		0.00658		0.00157	0.00796		0.00190		0.00963					0.17930		
	Total year wise outlay of the project				0.00000		0.01352		0.65602	0.41112		0.44517	0.07507		0.05299	0.01427		0.07238		0.01727	0.08758		0.02089		0.10598					1.97227		

Forest Division Office
Mulugu Division, Mulugu

UNIT COST FOR MAINTENANCE OF BAG PLANTS (September to till disposal)

Sl. No.	FSR-2020 Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
					Rate (Rs.)	Per	Agency allowance 25% (Rs)	Total (Rs.)	
		MAINTENANCE OF BAG NURSERY FROM SEPTEMBER TO TILL DISPOSAL							
1	01.05.01	Watering plants for 10 m X 1 m size secondary bed	Bed/month	4	168.70	1	0.00	168.70	674.80
2	01.05.02	Shifting, grading and rearrangement in beds	Bed/weeding	1	234.25	1	0.00	234.25	234.25
3	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondary beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Watcher/ month	5	8754.60	100	0.00	8754.60	437.73
		Total							1346.78
		cost of each plant (1100 Plants per bed)							1.2243

10% escalation every year


 Forest Divisional Officer,
 Mulug Division

UNIT COST FOR MAINTENANCE OF BAG PLANTS (April to August)

Sl. No.	FSR-2019-20 Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
					Rate (Rs.)	Per	Agency allowance (Rs)	Total (Rs.)	
	01.04.00	MAINTAINANCE OF BAG PLANTS NURSERY UPTO PLANTING SEASON (APRIL TO AUGUST) for 10 m X 1 m size secondary beds (2600 Nos of 4" X 7" bags; 1700 Nos of 5" X9" bags ; 1100 Nos. of 6"X12" bags; 800 Nos. of 8"X12" bags; 400 Nos. of 10"x16" bags per bed)							
	01.04.01	Watering polybag secondary beds twice a day for 4 months							
1	a	Manually with rose spray or finely perforated nozzle attached to a hose pipe	Bed/month	4	273.10	1	0.00	273.10	1092.40
2	01.04.02	Weeding once during maintenance year	Bed/weeding	1	50.15	1	0.00	50.15	50.15
3	01.04.03	Shifting, grading and rearrangement in beds	Bed/shifting	2	234.25	1	0.00	234.25	468.50
4	01.04.05	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from April to August	As per actuals	1	20.00	1	0.00	20.00	20.00
	01.04.06	Cowdung Slurry application (One can apply chemical foliar spray or apply cowdung slurry - not both)							
5	a	Cost and transportation of fresh cowdung	As per actuals	1	25.00	1	0.00	25.00	25.00
6	01.04.07	Weeding in the space between the beds, inspection path and surroundings of Nursery	Bed	1	27.60	1	0.00	27.60	27.60
7	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondary beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Watcher/ month	4	8754.60	100	0.00	8754.60	350.18
8	01.04.09	Electricity charges			500.00		0.00	500.00	500.00
		Total							2533.83
9	01.04.08	Contingencies @ 5%							126.69
		2019-20 Total							2660.53
		cost of each plant (1100 Plants per bed)							2.4187

10% escalation every year


 Forest Divisional Officer,
 Mulug Division

UNIT COST FOR CONVERSION FROM 4"x7" to 6"x12"

Sl. No.	FSR-2019-20 Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
					Rate (Rs)	Per	Agency allowance (Rs)	Total (Rs)	
		CONVERSION of Root Trainer plants or 4"x7" or 5"x9" bag-plants into higher size bags - to be done during September - October. At the time of conversion, the height of the plants should be at least above 0.45m in height (excluding the height of polybag).							
		Cost and Transport of Ingredients for Potting Mixture: Red Soil, tank-silt / clayey soil, FYM in 2:1:1 ratio. To this soil mixture, 220 gm of Indophyll M-45, 4.5 kg of single super phosphate (SSP) and 250 gm of phorate granules per 1 cum of potting mixture will be added. Cost of chemicals is as per actuals.							
	01.03.24	Transportation of soil mixture ingredients							
		Distance up to 5 km							
1	c	4" x 7" to 6" x 12" polybags (2.15 - 0.56 = 1.59 cum)	No	1100	560.00	1000	0.00	560.00	616.00
	01.03.25	Transportation of soil mixture ingredients more than 5 km distance and upto 25 km distance							
2	c	4" x 7" to 6" x 12" polybags (2.15 - 0.56 = 1.59 cum)	No	1100	14.60	1000	0.00	14.60	16.06
	01.03.27	Preparation of Potting Mixture by powdering of various ingredients, sieving and mixing them in prescribed proportion; opening of bags and filling with potting mixture partially, tearing the polybag plants and repotting them inside bigger bags and filling the rest of bags; gently pressing the same with finger tips and arranging in beds of 10x1 m size (6"x12" size: 1100 bag plants / bed and 8"x12" size": 800 bag plants per bed)							
3	c	4" x 7" to 6" x 12" polybags (2.15 - 0.56 = 1.59 cum)	No	1100	998.45	1000	0.00	998.45	1098.30
	01.03.33	Weeding the plants (1100 no. of 6"x12"bags; 800 no. of 8"x12" bags; and 400 no. of 10"x16" bags) from November - March: 2 weedings							
4		Weeding the plants (2 weedings)	Bed	2	50.15	1	0.00	50.15	100.30
5	01.03.34	Shifting, Grading and rearranging in secondary beds - One Grading in February	Bed	2	234.25	1	0.00	234.25	468.50
	01.03.35	Watering the plants manually twice a day (from Novemebr - March) with rose spray or finely perforated nozzle attached to a hose pipe.							
6	a	Manually with rose spray or finely perforated nozzle attached to a hose pipe	Bed	5	273.15	1	0.00	273.15	1365.75
	01.03.37	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from July to Oct.							30.00
7	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondray beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secodary beds of Teak bedsor combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Bed	4	8754.60	100	0.00	8754.60	350.18
8		Cost of the ploythene bags							2340.00
9	01.03.39	Electricity charges							500.00
		Total							6885.09
10	01.03.38	Contingencies @ 5%							344.254
		2019-20 Total for 1100 plants							7229.34
		cost of each plant							6.5721

10% escalation every year


 Forest Divisional Officer,
 Mulug Division

UNIT COST FOR MAINTENANCE OF BAG PLANTS (4"x7")

Sl. No.	FSR-2019-20 Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
					Rate (Rs)	Per	Agency allowance (Rs)	Total (Rs)	
		Maintenance of 4"x7" or 5"x9" bag-plants from April – August - Watering the plants twice a day from April – August							
1	01.03.19	(a) Manually with rose cans or finely perforated nozzle attached to a hose pipe	Bed	5	273.1	1	0	273.1	1365.50
2	01.03.20	Weeding the beds during May & July	Bed	2	50	1	0	50.15	100.30
3	01.03.21	Shifting, grading and rearrangement in beds	Bed	1	234	1	0	234.25	234.25
4		Electricity charges							300.00
5	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondary beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secondary beds of Teak beds or combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Bed	4	8754.60	100	0.00	8754.60	350.18
		2019-20 Total							2350.23
		cost of each plant (2600 plants per bed)							0.9039

10% escalation every year


 Forest Divisional Officer,
 Mulug Division

UNIT COST FOR BAG PLANT NURSERY

Sl. No.	FSR-2019-20 Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
					Rate (Rs)	Per	Agency allowance (Rs)	Total (Rs)	
		BAG PLANT NURSERY: Seedlings need to be raised in 4"x7" (200 gauge) or 5"x9" (250 gauge) bags which are to be converted into 6"x12" (400 gauge) or 8"x12" (400 gauge) polybags. The seedlings are to be transplanted from primary beds in June - July. Hence the bags are to be filled during April-May when the soil is dry.							
		Raising of Nursery in Polythene bags in sizes of 4"x7" (200 gauge) or 5"x9" (250 gauge) bags and arranging in secondary beds (Bed size: 10 X 1 M)							
1	01.03.01	Site preparation for New Sites - Clearing of growth, uprootal of stumps and removal of surface stones, rubbish of all sorts etc.	Bed	1	49.60	1	0.00	49.60	49.60
		Cost of Polybags (including the cost of certification by): To ensure quality control, the quality of bags have to be certified by CIPET (Central Institute of Plastic Engineering & Technology), Hyderabad at the cost of tenderer by taking samples from various lots of polybags.							
2	01.03.03	10 cm x 17.5 cm (4" x 7") size bags of 200 g: 589 bags / kg	Kg	4.41	156.00	1	0.00	156.00	687.96
	01.03.04	Cost and Transport of ingredients for Potting Mixture: (As per CSSR) Red Soil, tank-silt, FYM in 2:1:1 ratio. To this soil mixture, 220 gm of Indophyll M-45, 4.5 kg of single super phosphate (SSP) and 250 gm of phorate granules per 1 cum of potting mixture will be added. Cost of chemicals is as per actuals.							
	01.03.05	Distance upto 5 km							
3	a	10 cm x 17.5 cm (4" x 7") size bags: 2600 bags / bed	No's	2600	197.20	1000		197.20	512.72
	01.03.06	For every extra km beyond 5 km upto 25 km							
4	a	10 cm x 17.5 cm (4" x 7") = 0.56 cum vol. for 1000 bags	No's	2600	5.15	1000		5.15	13.39
	01.03.08	Preparation of Potting Mixture by powdering of various ingredients, sieving and mixing them in prescribed proportion; opening of bags and filling with potting mixture and gently pressing the same with finger tips and arranging in beds.							
5	a	10 cm x 17.5 cm (4" x 7") size bags: 2600 bags / bed	No's	2600	583.90	1000	0.00	583.90	1518.14
6	01.03.09	Allignment of beds including allignment of inspection paths etc	Bed	1	7.60	1	0.00	7.60	7.60
7	01.03.10	Pricking out seedlings from primary beds and transplanting into polybags	No's	2600	140.70	1000	0.00	140.70	365.82
8	01.03.11	Sowing / dibbling of pretreated seeds (e.g. Yegisa, Nalamadi, Yerumaddi etc.) directly into bags including cost of treatment	No's	2600	83.70	1000	0.00	83.70	217.62
9	01.03.12	Watering the plants (2 Months) twice a day from Feb-March - a) Manually with rose cans or finely perforated nozzle attached to a hose pipe	Bed	4	273.10	1	0.00	273.10	1092.40
10	01.03.13	Weeding to be done for every 2 months from the date of transplantation up to March	Bed	4	50.15	1	0.00	50.15	200.60
11	01.03.14	1st shifting and grading after three months and consecutive shifting and grading after every two months till the nursery stock is lifted	Bed	1	234.25	1	0.00	234.25	234.25

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

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	356.65	0.00	356.65	1	357
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 excused 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	0.5	2979.55	0.00	2979.55	1	1490
	Unit Rate for 2019 -20							1847

10% escalation every year


 Forest Divisional Officer
 Mulugu Division, Mulugu.

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

Unit Rate per Ha

Sl. 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	440	860.00	0.00	860.00	100	3784
02.01.05	Alignment & stacking including Demarcation of Base line							
	b) 3x3 m espacement = 1111 planting points		440	85.16	0.00	85.16	100	375
02.01.07	Digging of Pits - Manual (As per RSSR)							
	45 cm cube size pits	No's	440	19.50	0.00	19.50	1	8580
	PLANTING OPERATIONS DURING RAISING YEAR							
	Cost, supply & transportation of tall plants with bag size 8"x12" with a min. height of 1.50m to 2.0M	No's	440	100.00	0	100.00	1	44000
02.02.04	Internal transport of bag plants/root trainers to planting points on head loads.							
	20x30 cm (8"x12") bag plants	No's	440	135.25	0.00	135.25	100	595
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	440	37.40	0.00	37.40	100	165
02.02.06	(b) Cost of SSP, Chloridine dust or Chloropyriphos	No's	440	2.00	0.00	2.00	1	880
	Planting Bag Plants							
02.02.07	Planting in 45 cm size cubic pit Pit	No's	440	416.65	0.00	416.65	100	1833
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	440	252.25	0.00	252.25	101	1110
02.02.10	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance). The casualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year.			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 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	88	9.75	0.00	9.75	1	858
	Cost, supply & transportation of tall plants with bag size 8"x12" with a min. height of 1.50m to 2.0M	No's	88	100.00	0.00	100.00	1	8800
	Internal transport of bag plants/root trainers to planting points on head loads - b) 15X30 cm (4"x7") bag plants	No's	88	135.25	0.00	135.25	100	119
	Planting in 45 cm size cubic pit Pit	No's	88	416.65	0.00	416.65	100	367

FSR Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
				Rate (Rs.)	Agency allowance (Rs)	Total (Rs.)	Per	
2.02.11	Cost of DAP @25gm / planting point	No's	440	2.00	0.00	2.00	1	880
02.02.12	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	440	37.40	0.00	37.40	100	165
02.02.13	Weeding and saucer formation to a radius of 0.50m around the plant immediately after planting i.e., during June	No's	440	119.05	0.00	119.05	100	524
02.02.14	Circular weeding to a radius of 0.50m around i.e., Aug-Sept	No's	440	119.05	0.00	119.05	100	524
02.02.15	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	440	625.00	0.00	625.00	100	2750
02.02.16	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	0.5	1393.60	0.00	1393.60	1	697
02.02.17	Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3rd height during October	No's	440	118.35	0.00	118.35	100	521
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	8757.00	0.00	8757.00	Ha	3941
	Unit Rate for 2019 -20							81468

10% escalation every year

Forest Divisional Officer,
Mulug Division

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

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	278	19.50	0.00	19.50	1	5421
	Cost, supply & transportation of tall plants with bag size 8"x12" with a min. height of 1.50m to 2.0M	No's	278	100.00	0.00	100.00	1	27800
02.02.04	Internal transport of bag plants/root trainers to planting points on head loads - b) 15X30 cm (4"X7")bag plants	No's	278	135.25	0.00	135.25	100	376
02.02.07	Planting in 45 cm size cubic pit Pit	No's	278	416.65	0.00	416.65	100	1158
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	0	252.25	0.00	252.25	100	0
02.02.06	Cost of DAP @25gm / planting point-50% of raising cost	No's	440	1.00		1.00	1	440
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	440	37.40	0.00	37.40	100	165
	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	440	119.05	0.00	119.05	100	524
02.03.03	Circular weeding to a radius of 0.50m around i.e., Aug-Sept	No's	440	119.05	0.00	119.05	100	524
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	440	625.00	0.00	625.00	100	2750
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	0.5	1393.60	0.00	1393.60	1	697
02.03.06	Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height during October	No's	440	118.35	0.00	118.35	100	521
03.01.04	Formation of New Fire lines of 5.00m width and cleaning of old fire lines	Rmt	100	783.15	0.00	783.15	100	783

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	8757.00	0.00	8757.00	Ha	5254
	Unit Rate for 2019 -20 10% escalation every year							46413



 Forest Divisional Officer,
 Mulug Division

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

FSR Code	Item of work	Unit	Unit Rate per Ha				Amount (Rs.)	
			Quantity	As per FSR				
				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	278	19.50	0.00	19.50	1	5421
	Cost, supply & transportation of tall plants with bag size 8"x12" with a min. height of 1.50m to 2.0M	No's	278	100.00	0.00	100.00	1	27800
02.02.04	Internal transport of bag plants/root trainers to planting points on head loads - b) 15X30 cm (4"X7")bag plants	No's	278	135.25	0.00	135.25	100	376
02.02.07	Planting in 45 cm size cubic pit Pit	No's	278	416.65	0.00	416.65	100	1158
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	0	252.25	0.00	252.25	100	0
02.02.06	Cost of DAP @25gm / planting point-50% of raising cost	No's	440	1.00		1.00	1	440
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	440	37.40	0.00	37.40	100	165
	WEEDING & SOIL WORKING							
02.04.01	Weeding and saucer formation to a radius of 0.50m around the plant immediately after planting i.e., during June	No's	440	119.05	0.00	119.05	100	524
02.04.02	Circular weeding to a radius of 0.50m around i.e., Aug-Sept	No's	440	119.05	0.00	119.05	100	524
02.04.03	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	440	625.00	0.00	625.00	100	2750
02.04.04	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	0.5	1393.60	0.00	1393.60	1	697
03.04.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning	Rmt	100	579.30	0	579.30	100	579

02.04.07	<p>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</p>	Ha	1	8757.00	0.00	8757.00	Ha	5254
Unit Rate for 2019 -20								45688

10% escalation every year


 Forest Divisional Officer,
 Mulug Division

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	
02.04.01	Weeding and saucer formation to a radius of 0.50m around the plant immediately after planting i.e., during June	No's	440	119.05	0.00	119.05	100	524
02.04.02	Circular weeding to a radius of 0.50m around i.e., Aug-Sept	No's	440	119.05	0.00	119.05	100	524
02.04.03	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	440	625.00	0.00	625.00	100	2750
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning	Rmt	100	579.30	0	579.30	100	579
02.04.07	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. - 6 months, Rs.8757 per month, proposed one watcher for 20 ha	Ha	1	8757.00	0.00	8757.00	1	2627
Unit Rate for 2019 -20								7004

10% escalation every year

Forest Divisional Officer,
Mulug Division

Unit Cost for 4th 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	
02.04.01	Weeding and saucer formation to a radius of 0.50m around the plant immediately after planting i.e., during June	No's	440	119.05	0.00	119.05	100	524
02.04.02	Circular weeding to a radius of 0.50m around i.e., Aug-Sept	No's	440	119.05	0.00	119.05	100	524
02.04.03	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	440	625.00	0.00	625.00	100	2750
02.04.04	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	0.5	1393.60	0.00	1393.60	1	697
	Unit Rate for 2019 -20							4495

10% escalation every year


Forest Divisional Officer,
Mulugu Division, Mulugu.

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 scicature upto 1/3 rd height during October	No's	440	118.35	0	118.35	100	521
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth	Rmt	100	579.30	0	579.30	100	579
	Unit Rate for 2019 -20							1100

10% escalation every year


 Forest Divisional Officer,
 Mulug 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 allowance (Rs)	Total (Rs.)	Per	
02.04.01	Weeding and saucer formation to a radius of 0.50m around the plant immediately after planting i.e., during June	No's	440	119.05	0.00	119.05	100	524
02.04.02	Circular weeding to a radius of 0.50m around i.e., Aug-Sept	No's	440	119.05	0.00	119.05	100	524
02.04.03	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	440	625.00	0.00	625.00	100	2750
02.04.04	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	0.5	1393.60	0.00	1393.60	1	697
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth	Rmt	100	579.30	0	579.30	100	579
Unit Rate for 2019 -20								5074

10% escalation every year

Forest Divisional Officer,
Mulug 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	440	118.35	0	118.35	100	521
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth	Rmt	100	579.30	0	579.30	100	579
	Unit Rate for 2019 -20							1100

10% escalation every year


Forest Divisional Officer,
Mulug 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 allowance (Rs)	Total (Rs.)	Per	
02.04.01	Weeding and saucer formation to a radius of 0.50m around the plant immediately after planting i.e., during June	No's	440	119.05	0.00	119.05	100	524
02.04.02	Circular weeding to a radius of 0.50m around i.e., Aug-Sept	No's	440	119.05	0.00	119.05	100	524
02.04.03	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	440	625.00	0.00	625.00	100	2750
02.04.04	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	0.5	1393.60	0.00	1393.60	1	697
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth	Rmt	100	579.30	0	579.30	100	579
Unit Rate for 2019 -20								5074

10% escalation every year

Forest Divisional Officer,
Mulug 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 scicature upto 1/3 rd height during October	No's	440	118.35	0	118.35	100	521
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth	Rmt	100	579.30	0	579.30	100	579
Unit Rate for 2019 -20								1100

10% escalation every year


 Forest Divisional Officer,
 Mulug 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	
02.04.01	Weeding and saucer formation to a radius of 0.50m around the plant immediately after planting i.e., during June	No's	440	119.05	0.00	119.05	100	524
02.04.02	Circular weeding to a radius of 0.50m around i.e., Aug-Sept	No's	440	119.05	0.00	119.05	100	524
02.04.03	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	440	625.00	0.00	625.00	100	2750
02.04.04	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	0.5	1393.60	0.00	1393.60	1	697
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth	Rmt	100	579.30	0	579.30	100	579
Unit Rate for 2019 -20								5074

10% escalation every year

Forest Divisional Officer,
Mulug Division