

UNIT COST FOR RAISING OF PRIMARY BEDS

Sl. No.	FSR-2020-21 Code	Item of work	Unit	FSR Rate (Rs.)	AA 25% (Rs)	Total Rate (Rs.)	Amount (Rs.)
1	01.00.00	PRIMARY BEDS of 1x1x0.3 m size for Miscellaneous species including bamboo - 50 primary beds for 1 lakh nursery is permitted. Primary beds should start from Jan - May depending on availability of fresh seeds. Once primary beds are formed, they can be used upto 5 years without changing the medium - what is required each time is solarization, burning a layer of grass on it and adding the below recommended fungicides and insecticides to the medium.					
2	01.01.01	Preparation of New Site by clearing jungle growth, uprootal of stumps and removal of surface stones, pebbles etc.	Bed	5.20	1.30	6.50	6.50
3	01.01.03	Digging soil of the demarcated beds of 1x1x0.30 m size	Bed	40.06	10.01	50.07	50.07
4	01.01.04	Cost of sandy soil and transportation with 5 kms lead including loading and unloading charges (sandy soil and FYM in 5:1 ratio, i.e., 0.125 cum sandy soil and 0.025 cum FYM per primary bed	Bed	30.29	7.57	37.87	37.87
5	01.01.05	For every extra km beyond 5 km upto 25 km	Bed	23.00	5.75	28.75	28.75
6	01.01.06	Cost and transport of 0.025 cum FYM	Bed	26.04	0.00	26.04	26.04
7	01.01.07	Mixing of sandy soil and FYM in 5:1 proportion (50 % of volume of bed) with excavated soil and refilling the bed and lavelling.	Bed	11.39	2.85	14.24	14.24
8	01.01.08	Covering the beds with dried grass and leaf litter and burning them to ash which can form the upper layer	Bed	13.02	3.26	16.28	16.28
10	01.01.10	Cost of seed - seed weight, germination percentage and target of planting stock of individual species are to be taken into consideration while estimating the requirement of seeds	Bed	500.00	0.00	500.00	500.00
11	01.01.12	Sowing of seed (finer seeds like Adina, Mitragyna, Anthocephalus etc. to be mixed with sand and bradcasted - Bigger seeds to be dibbled in lines 1-2 cm apart) and covering the bed to a thickness of 2.5 cm with paddy hay including cost and conveyance	Bed	12.97	3.24	16.21	16.21
12	01.01.13	Watering the primary nursery beds with rose water cans twice daily for a maximum period of 2 months.	30 Days	14.60	3.65	18.24	18.24
13	01.01.15	Cost of chemicals, fungicide and insecticide	Bed	200.00	0.00	200.00	200.00
14		Electrical Charges		200.00	0.00	200.00	200.00
		Total					1114.19
		Rasing of seedlings 110% for obtaining 100%				10%	111.42
		Total					1225.61
		cost of each plant (2000 plants per bed) - 2020-21					0.6128

10% escalation every year


Forest Divisional Officer,
Paloncha

UNIT COST FOR BAG PLANT NURSERY (6"x8" size bags)

Sl. No.	FSR-2020-21 Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
					Rate (Rs)	Per	MAA 20% (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.(6"x8" size per bed 1100 bags)							
		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	52.08	1	13.02	65.10	65.10
		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	15 cm x 20 cm (6" x 8") size bags of 250 g:	Kg	4.40	165.00	1	0.00	165.00	726.00
	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	c	15 cm x 20 cm (6" x 8") size bags: 1100 bags / bed	No's	1100	529.99	1000		529.99	582.99
	01.03.06	For every extra km beyond 5 km upto 25 km							
4	a	15 cm x 20 cm (6" x 8") = 1.433 cum vol. for 1000 bags	No's	1100	263.60	1000		263.60	289.96
5	01.03.07	Cost of chemicals (Thimmet)	No's						5000.00
	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.							
6	c	15 cm x 20 cm (6" x 8") size bags: 1100 bags / bed	No's	1100	1048.37	1000	262.09	1310.46	1441.51
6	01.03.09	Alignment of beds including alignment of inspection paths etc	Bed	1	7.98	1	2.00	9.98	9.98
7	01.03.10	Pricking out seedlings from primary beds and transplanting into polybags	No's	1100	147.74	1000	36.93	184.67	203.14
8	01.03.11	Sowing / dibbling of pretreated seeds (e.g. Yegisa, Nalamadi, Yerumaddi etc.) directly into bags including cost of treatment	No's	1100	87.89	1000	21.97	109.86	120.84
9	01.03.12	Watering the plants (6 Months) twice a day from Oct-March - a) Manually with rose cans or finely perforated nozzle attached to a hose pipe	Bed	12	286.76	1	71.69	358.44	4301.33
10	01.03.13	Weeding to be done for every 2 months from the date of transplantation up to March	Bed	4	52.66	1	13.16	65.82	263.29
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	3	245.96	1	61.49	307.45	922.36
12	01.03.15	Replacement of casualties after sorting out the empty bags and keeping at one end of the bed (maximum 10% of total stock is permissible)	Bed	1	69.83	1	17.46	87.28	87.28

Sl. No.	FSR-2020-21 Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
					Rate (Rs)	Per	MAA 20% (Rs)	Total (Rs)	
13	01.03.16	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from July to Oct.	Bed	1	5000.00	1	0.00	5000.00	5000.00
14	01.03.18	Weeding in the space between the beds, inspection path and surroundings of Nursery	Bed	2	35.91	1	8.98	44.89	89.78
15	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	9194.85	100	0.00	9194.85	367.79
16		Application of fertilizers (Neem Cake)							3000.00
17		Electricity charges					0.00	2000.00	2000.00
		Total							24471.33
17		Add casualty 10%							2447.13
		2020-21 Grand Total							26918.47
		cost of each plant (1100 plants per bed)							24.4713


10% escalation every year


Forest Divisional Officer,
Paloncha

UNIT COST FOR CONVERSION FROM 6"x8" to 9" x 11"

Sl. No.	FSR-2020-21 Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
					Rate (Rs)	Per	MAA 20% (Rs)	Total (Rs)	
		CONVERSION of Root Trainer plants or 4"x7" or 5"x9" or 6"x8" 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.							
	01.03.21	Transportation of soil mixture ingredients							
		Distance up to 5 km							
1	h	6" x 8" to 9" x 11" polybags (4.717 - 1.433 = 3.284 cum)	No	500	1537.40	1000	0.00	1537.40	768.70
	01.03.22	Transportation of soil mixture ingredients more than 5 km distance and upto 25 km distance							
2	j	6" x 8" to 9" x 11" polybags (4.717 - 1.433 = 3.284 cum)	No	500	603.20	1000	0.00	603.20	301.60
	01.03.24	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	h	6" x 8" to 9" x 11" polybags (4.717 - 1.433 = 3.284 cum)	No	500	2165.28	1000	541.32	2706.60	1353.30
	01.03.30	Weeding the plants (1100 no. of 6"x12"bags; 800 no. of 8"x12" bags; 500 no. of 9"x12" and 400 no. of 10"x16" bags) from April - March: 4 weedings							
4		Weeding the plants (4 weedings)	Bed	4	52.66	1	13.16	65.82	263.29
5	01.03.31	Shifting, Grading and rearranging in secondary beds	Bed	3	245.96	1	61.49	307.45	922.36
	01.03.32	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 from April to March	Bed	12	286.81	1	71.70	358.51	4302.11
	01.03.34	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from July to Oct.							5000.00
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	12	9194.85	100	0.00	9194.85	1103.38
8		Cost of the ploythene bags							3000.00
9	01.03.39	Electricity charges							2000.00
		Total							19014.74
10	01.03.38	Contingencies @ 5%							950.737
		2020-21 Total for 500 plants							19965.48
		cost of each plant							39.9310

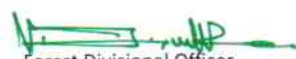
10% escalation every year


 Forest Divisional Officer,
 Paloncha

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	MAA 20% (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	286.76	1	71.69	358.44	1433.78
2	01.04.02	Weeding once during maintenance year	Bed/weeding	1	52.66	1	13.16	65.82	65.82
3	01.04.03	Shifting, grading and rearrangement in beds	Bed/shifting	2	245.96	1	61.49	307.45	614.91
4	01.04.05	Cost of foliar nutritient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from April to August	As per actuals	1	2500.00	1	0.00	2500.00	2500.00
	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	500.00	1	0.00	500.00	500.00
6	01.04.07	Weeding in the space between the beds, inspection path and sorroundings of Nursery	Bed	1	28.98	1	7.25	36.23	36.23
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.	Watcher/ month	4	9194.85	100	0.00	9194.85	367.79
8	01.04.09	Electricity charges			2000.00		0.00	2000.00	2000.00
		Total							7518.52
9	01.04.08	Contingencies @ 5%							375.93
		2020-21 Total							7894.45
		cost of each plant (500 Plants per bed)							15.7889


10% escalation every year


 Forest Divisional Officer,
 Paloncha

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

Sl. No.	FSR-2019-20 Code	Item of work	Unit	Quantity	As per FSR				Amount (Rs.)
					Rate (Rs.)	Per	MAA 20% (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	8	177.14	1	44.28	221.42	1771.35
2	01.05.02	Shifting, grading and rearrangement in beds	Bed/weeding	2	245.96	1	61.49	307.45	307.45
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	8	9194.85	100	0.00	9194.85	735.59
		Electricity charges			5000.00		0.00	5000.00	5000.00
		Total							7814.39
		cost of each plant (500 Plants per bed)							15.6288

10% escalation every year

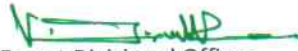

 Forest Divisional Officer,
 Paloncha

Unit Cost for Advance Operations for Raising of SMM Plantation 3m X 3m. (SMM)

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount with 25% Agency Allowance (Rs.)
02.08.01	Survey with GPS (Only staff to carry out) (Staff to carryout GPS Survey. One manday is allowed for assistance)	1	374.48	Plantation	468
02.08.02	Clearing unsalable unwanted jungle growth				
	(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.	1	7350.00	Ha	9188
02.08.03	Uprootal of stumps				
	(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.	1	13044.80	Ha	16306
02.08.04	Collection and Removal of uprooted stumps of all sizes				
	(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.	1	10724.65	Ha	13406
	Misc Exp				1506
	Unit Rate for 2020-21				40874

10% escalation every year


 Forest Divisional Officer,
 Paloncha

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

Code	Item of work	Qty	Rate (Rs.)	Unit Rate per Ha	
				Per	Amount with 25% Agency Allowance (Rs.)
1	2	3	4	5	6
02.09.02 (b)	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 AREA) - to be completed by 15 th of June (b) Ordinary Soil	1	3361.60	Ha	3362
02.09.01	Removing congestion of root suckers and other uprooted material hindering the effective ploughing	1	1066.07	Ha	1333
02.09.04 (c)	Alignment & Stacking including demarcation of base line: (c) 3X3 m espacement = 1111 planting points	1111	118.91	100	1651
02.09.05 (i)	i) Cost of preparation of stakes (0.45 m length) and transportation to site	1111	56.96	100	633
02.09.06	Digging of Pits in Ploughed Areas in June - July by adopting 50% of original rate of digging of pits of ordinary soil b) 60 cm size cubic pits - $10.66 \times 60^3 / 45^3$	1111	25.27	1	35091
02.09.07	Transportation of Planting Stock (including loading and unloading) up to a distance of 5 km (9"x11" bags size rates approved vide the Prl.CCF, HoF, Hyd, Rc.No.2563/2020/WLR-2, Dt.13.07.2020)	1111	243.66	100	3384
02.09.08	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance: (9"x11" bags size rates approved vide the Prl.CCF, HoF, Hyd, Rc.No.2563/2020/WLR-2, Dt.13.07.2020)	1111	171.20	100	2378
02.09.10 (c)	Internal transportation to planting points on head loads (9"x11" bags size rates approved vide the Prl.CCF, HoF, Hyd, Rc.No.2563/2020/WLR-2, Dt.13.07.2020)	1111	164.84	100	2289
	Fortification of seedling with insecticide and treating pits with SSP				
02.09.11 (a)	(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	1111	39.27	100	436
02.09.11 (b)	(b) Cost of SSP, Chloridine dust or Chloropyriphos	1111	As per actuals		2000
02.09.12 (b)	Planting in various size pits: b) Planting in 60 cm size cubic pits	1111	437.48	100	6075
02.09.14	Watering (one time) immediately after planting if the planting takes place on a non-rainy days and during dry spell				
02.09.14 (a)	a) One critical watering after planting if planting takes place on non-rainy days with the prior written permission of DFO / FDO.	1111	264.86	100	3679
02.09.14 (b)	Watering to plants in Non-Rainy days - 6 waterings	1111	264.86	100	3679
	<i>Note: The Plantation in-charge Officer should record the watering operations in Watering Watch Register and MB on the same day of watering.</i>				
02.09.15	Replacement of Casualties: 20% during Raising Year. (In case of Eucalyptus: 10% during raising and no casualty 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. (1111X20%=222 Nos)	50% of unit rate of original pitting during raising year and 100% during maint. year. Planting, transportation and internal transportation same as adopted during raising year			

Code	Item of work	Qty	Rate (Rs.)	Per	Amount with 25% Agency Allowance (Rs.)
1	2	3	4	5	6
02.09.06	Digging of Pits in Ploughed Areas in June - July by adopting 50% of original rate of digging of pits of ordinary soil b) 60 cm size cubic pits - $10.66 * 60^3 / 45^3$	222	12.63	1	3506
02.09.12 (b)	Planting in various size pits: b) Planting in 60 cm size cubic pits	222	437.48	100	1214
02.09.07	Transportation of Planting Stock (including loading and unloading) up to a distance of 5 km (9"x11" bags size rates aproved vide the PrI.CCF, HoF, Hyd, Rc.No.2563/2020/WLR-2, Dt.13.07.2020)	222	243.66	100	676
02.09.08	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance: (9"x11" bags size rates aproved vide the PrI.CCF, HoF, Hyd, Rc.No.2563/2020/WLR-2, Dt.13.07.2020)	222	153.00	100	425
02.09.10 (c)	Internal transportation to planting points on head loads (9"x11" bags size rates aproved vide the PrI.CCF, HoF, Hyd, Rc.No.2563/2020/WLR-2, Dt.13.07.2020)	222	164.84	100	458
02.09.16	Cost of DAP, Thimmet etc.,	222	As per actuals		300
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 and closing. Ensure that the soil is really wet at the time of DAP application.	222	39.27	100	87
02.09.18	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting	2222	124.95	100	3470
02.09.19	Circular weeding cum Deep Soil working to a redius of 0.5m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec)	1111	656.25	100	9114
02.09.20 (b)	Inter-ploughing (during November) 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: (b) Hard gravelly soil	1	3184.50	1	3981
02.09.21	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during October)	1111	124.22	100	1725
02.09.22	Uprootal of Mahaveera (<i>Hyptis suaveolens</i>) weed with prior written approval of Circle Head and taking photograph before and after uprootal. The weed removal shall be completed before September-end at any cost before inter-ploughing. (Already deducted un workable area)	1	3650.90	1	4564
	Contingencies provision for Raising of plantaitons:				
	Unit Rate for 2020-21				95508

10% escalation every year



Forest Divisional Officer,
Paloncha

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

1111x25%=278 Nos

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount with 25% Agency Allowance (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	Pitting,planting,transportation and internal transportation same as			
02.09.06	Digging of Pits in Ploughed Areas in June - July by adopting 50% of original rate of digging of pits of ordinary soil b) 60 cm size cubic pits - $10.66 * 60^3 / 45^3$	278	12.634	1	4390
02.09.07	Transportation up 5km	278	243.66	100	846
02.09.08	Transportation beyond 5 Km (25 - 5) = 20 KM	278	171.20	100	595
02.09.10	Internal Transportation	278	164.84	100	573
02.09.12	Planting in 60 cm ³ Pit	278	437.48	100	1520
02.09.16	Cost of DAP, Thimmet etc.,	1111	As per actuals		5000
02.10.02	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting - 5 times	5555	124.95	100	8676
02.10.03	Circular weeding cum Deep Soil working to a radius of 0.5m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec)	1111	656.25	100	9114
02.10.06	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during	1111	124.27	100	1726
Unit Rate for 2020-21					32440

10% escalation every year


 Forest Divisional Officer,
 Paloncha


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

1111x25%=278 Nos

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount with 25% Agency Allowance (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) - 5 % proposed	Pitting, planting, transportation and internal transportation same as			
02.09.06	Digging of Pits in Ploughed Areas in June - July by adopting 50% of original rate of digging of pits of ordinary soil b) 45 cm³ pits	56	12.634	1	885
02.09.07	Transportation up 5km	56	243.66	100	170
02.09.08	Transportation beyond 5 Km (25 - 5) = 20 KM	56	171.20	100	120
02.09.10	Internal Transportation	56	164.84	100	115
02.09.12	Planting in 60 cm ³ Pit	56	437.48	100	306
02.09.16	Cost of DAP, Fertilizer, insecticides, Thimmet etc.,	1111	As per actuals		5000
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	124.95	100	1735
02.10.03	Circular weeding cum Deep Soil working to a radius of 0.5m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (during Nov - Dec)	1111	656.25	100	9114
02.10.06	Pruning of flower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height (to be done during	1111	124.27	100	1381
Unit Rate for 2020-21					18826

10% escalation every year


 Forest Divisional Officer,
 Paloncha

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

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount with 25% Agency Allowance (Rs.)
1	2	4	5	6	7
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	124.95	100	1735
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	656.25	100	9114
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	108.35	100	1505
	Unit Rate for 2020-21				12354


10% escalation every year


Forest Divisional Officer,
Paloncha

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

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount with 25% Agency Allowance (Rs.)
1	2	4	5	6	7
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	124.95	100	1735
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	656.25	100	9114
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	108.35	100	1505
	Unit Rate for 2020-21				12354

10% escalation every year


Forest Divisional Officer,
Paloncha

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

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount with 25% Agency Allowance (Rs.)
1	2	4	5	6	7
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	124.95	100	1735
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	656.25	100	9114
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	108.35	100	1505
Unit Rate for 2020-21					12354

10% escalation every year


Forest Divisional Officer,
Paloncha

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

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount with 25% Agency Allowance (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	108.35	100	1505
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	124.95	100	1735
	Unit Rate for 2020-21				3240

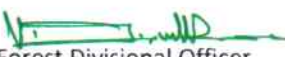
10% escalation every year


Forest Divisional Officer,
Paloncha

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

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount with 25% Agency Allowance (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	656.25	100	7291
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	108.35	100	0
Unit Rate for 2020-21					7291

10% escalation every year


Forest Divisional Officer,
Paloncha

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

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount with 25% Agency Allowance (Rs.)
1	2	4	5	6	7
02.11.03	Pruning of flower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height (to be done during July - Aug)	1111	108.35	100	1505
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	124.95	100	1735
	Unit Rate for 2020-21				3240

10% escalation every year


Forest Divisional Officer,
Paloncha

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

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount with 25% Agency Allowance (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	656.25	100	9114
02.11.03	Pruning of flower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height (to be done during July - Aug)	1111	108.35	100	0
	Unit Rate for 2020-21				9114

10% escalation every year


Forest Divisional Officer,
Paloncha

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

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount with 25% Agency Allowance (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	108.35	100	1505
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	124.95	100	1735
	Unit Rate for 2020-21				3240

10% escalation every year


Forest Divisional Officer,
Paloncha