


## UNIT COST FOR CONVERSION FROM 6"x8" to 9"x11"

Sl. No.	FSR-2020-21 Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs)	Per	
		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 / clay 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	(h) 6" x 8" to 9" x 11" bags ( 4.717 - 1.433 = 3.284 cum) ( 500 Bags per Bed)	No	500	1250.29	1000	625.15
	01.03.22	Transportation of soil mixture ingredients more than 5 km distance and upto 25 km distance					
2	j	(j) 6" x 8" to 9" x 11" bags ( 4.717 - 1.433 = 3.284 cum)	No	500	30.16	1000	15.08
	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	(h) 6" x 8" to 9" x 11" bags ( 4.717 - 1.433 = 3.284 cum)	No	500	2165.28	1000	1082.64
	01.03.30	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	52.66	1	105.32
5	01.03.31	Shifting, Grading and rearranging in secondary beds - One Grading in February	Bed	2	245.96	1	491.92
	01.03.32	Watering the plants manually twice a day (from Novemehr - 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	286.81	1	1434.05
	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 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	367.79
8		Cost of the ploythene bags					2340.00
9	01.03.39	Electricity charges					500.00
		Total					6991.95
10	01.03.38	Contingencies @ 5%					349.597
		2020-21 Total for 500 plants					7341.55
		cost of each plant					14.6831

  
 Forest Divisional Officer  
 Kaghaznagar



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

Sl. No.	FSR-2020-21 Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs.)	Per	
	<b>01.04.00</b>	<b>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" X 9" bags ; 1100 Nos. of 6"X12" bags; 800 Nos. of 8"X12" bags; 400 Nos. of 10"x16" bags per bed)</b>					
	<b>01.04.01</b>	Watering polybag secondary beds twice a day for 4 months					
1	<b>a</b>	Manually with rose spray or finely perforated nozzle attached to a hose pipe	Bed/month	4	286.76	1	1147.04
2	<b>01.04.02</b>	Weeding once during maintenance year	Bed/weeding	1	52.66	1	52.66
3	<b>01.04.03</b>	Shifting, grading and rearrangement in beds	Bed/shifting	2	245.96	1	491.92
4	<b>01.04.05</b>	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	20.00
	<b>01.04.06</b>	Cowdung Slurry application (One can apply chemical foliar spray or apply cowdung slurry - not both)					
5	<b>a</b>	Cost and transportation of fresh cowdung	As per actuals	1	25.00	1	25.00
6	<b>01.04.07</b>	Weeding in the space between the beds, inspection path and surroundings of Nursery	Bed	1	28.98	1	28.98
7	<b>01.05.04</b>	<b>Cost of Protection:</b> 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	9194.85	100	367.79
8	<b>01.04.09</b>	Electricity charges			500.00		500.00
		<b>Total</b>					<b>2633.39</b>
9	<b>01.04.08</b>	Contingencies @ 5%					<b>131.67</b>
		<b>2020-21 Total</b>					<b>2765.06</b>
		<b>cost of each plant (500 Plants per bed)</b>					<b>5.5301</b>

  
 Forest Divisional Officer  
 Kaghaznagar



**UNIT COST FOR MAINTENANCE OF BAG PLANTS (September to till disposal) (9x11)**

Sl. No.	FSR-2020-21 Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs.)	Per	
		<b>MAINTENANCE OF BAG NURSERY FROM SEPTEMBER TO TILL DISPOSAL</b>					
1	01.05.01	Watering plants for 10 m X 1 m size secondary bed	Bed/month	4	177.14	1	708.56
2	01.05.02	Shifting, grading and rearrangement in beds	Bed/weeding	1	245.96	1	245.96
3	01.05.04	<b>Cost of Protection:</b> 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	9194.85	100	459.74
		<b>Total</b>					<b>1414.26</b>
		<b>cost of each plant (500 Plants per bed)</b>					<b>2.8285</b>

  
 Forest Divisional Officer  
 Kachhaznagar



**Unit Cost for Advance Operations for Raising of N.T.S.H. Plantations 3m X 3m. (SMM)-FSR-2020-21**

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	374.48	Plantation	374
02.08.02	Clearing unsalable unwanted jungle growth				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	2081.36	Ha	833
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	3128.53	Ha	1251
	(c) Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	0.2	7350.00	Ha	1470
02.08.03	Uprootal of stumps				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	5184.30	Ha	2074
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	10034.10	Ha	4014
	(c) Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	0.2	13044.80	Ha	2609
02.08.04	Collection and Removal of uprooted stumps of all sizes				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	5796.11	Ha	2318
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	9197.79	Ha	3679
	(c) Light Jungle Growth (> 20% and upto 30% ground area covered with Jungle growth) with prior written approval of DFO based on the field inspection of DFO.	0.2	10724.65	Ha	2145
02.08.05	Tilling the soil to a depth of 0.45 cm in the affected area				
a	Sparce jungle growth less than 10% ground area covered with jungle growth	1	16378.65	Ha	16379
Unit Rate for FSR 2020-21					37146

  
 Forest Divisional Officer  
 Kaghaznagar



# Unit Cost for Raising of N.T.S.H. Plantations 3m X 3m. (SMM)-FSR-2020-21

Code	Item of work	Unit Rate per Ha			
		Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	3	4	5	6
02.09.02	Deep Ploughing the effective (excluding unsuitable patches) plantation area across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough. For untilled areas - Hard Soils	1	5109.90	Ha	5110
02.09.01	Removing congestion of root suckers and other uprooted material hindering the effective ploughing	1	1066.07	1	1066
02.09.04	© Alignment and staking including laying base line for Misc species with espacement 3mX3m (1111 Nos)	1111	89.36	100	993
02.09.05 (ii)	Cost of preparation of stakes (2.00 m length) and transportation to site. (Subject to condition that the seedling height is 1.5. to 2.00 M)	1111	1200.00	100	13332
02.09.06	© Digging of 45 cm cube size pits	1111	10.66	1	11843
	Transportation of Bag plants / Root trainer plants from nursery site to plantation site including loading and unloading				
02.09.07	upto 5 Km lead(20X30 cm (9"X11") bag plants)	1111	243.66	100	2707
02.09.08	5 Km to 25 Km lead(20X30 cm (9"X11") bag plants)	1111	171.20	100	1902
	Internal transport of bag plants/root trainers to planting points on head loads.				
02.09.10	20X30 cm (9"X11") bag plants	1111	168.84	100	1876
02.09.11	Cost of SSP, Chloridine dust or Chloropyriphos	1111	2.00	1	2222
a	Application of 50gm of SSP per pit	1111	39.27	100	436
	<b>Planting Bag Plants</b>				
02.09.12	Planting in 45 cm <sup>3</sup> Pit	1111	437.48	100	4860
02.15.10	Cost of supporting stake of 2.5 m long sturdy and straight and minimum 10 cm girth at base	1111	1653.75	100	18373
02.09.14 (a & b)	Watering to the plants - 2 waterings	1111	529.72	100	5885
02.09.15	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no causality replacement for further maintenance)	50% of rate of original pitting rate during raising year and 100% during maintenance years. Planting, Transportation and internal transportation as prescribed above.			
	Pitting	222	5.33	1	1183
	Transportation Up to 5 Km + Beyond 5 Km)	222	414.86	100	921
	Internal Transportation	222	168.84	100	375
	Planting	222	437.48	100	971
02.09.16	Cost of DAP @25gm / planting point	1111	2.00	1	2222
02.09.17	Application of fertilizer in August (30 days after planting) by making 3 holes of 10 cm depth with crow bar holes at a distance of 10 cm away from plant and putting fertilizers & closing.	1111	39.27	100	436
02.09.18	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	1388
02.09.19	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	7291
02.09.20	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	1	3184.50	1	3185
02.09.22	Uprootal of Mahaveera Weed	1	3650.90	1	3651
02.09.25	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher 9194 x 9 = 82753.7 /20	1	4137.68	Ha	4138
02.09.24	Contingencies provision for Raising of plantaitons: i) Fixing of Plantation Boards and Corner Stones ii) Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 5,000/-)				1000
	Unit Rate for FSR 2020-21				97366

Forest Divisional Officer  
Kagaznagar



**Unit Cost for 1st Year Maintenance of NTSH Plantation (3 m X 3 m) SMM per Ha -FSR-2020-21**

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.10.01	Replacement of Casualties 25% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no casualty replacement for further maintenance) - 25 % proposed	50% of rate of original pitting rate during raising year and 100% during maintenance years. Planting, Transportation and internal transportation as prescribed above.			
02.09.06	© Digging of 45 cm cube size pits -	278	10.660	1	2963
02.09.07	Transportation up 5km	278	243.66	100	677
02.09.08	Transportation beyond 5 Km (25 - 5 ) = 20 KM	278	171.20	100	476
02.09.10	Internal Transportation	278	168.04	100	469
02.09.12	Planting in 45 cm <sup>3</sup> Pit	278	437.48	100	1216
02.09.16	Cost of DAP @25gm / planting point	1111	1.00	1	1111
02.09.14 (a & b)	Watering to the plants - 2 waterings	1111	529.72	100	5885
02.09.17	Application of fertilizer in August (30 days after planting) by making 3 holes of 10 cm depth with crow bar holes at a distance of 10 cm away from plant and putting fertilizers & closing. - 50% of rate	1111	39.27	100	436
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	1388
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	7291
02.10.04	Uprootal of Mahaveera	1	3650.90	Ha	3651
02.10.05	Inter-ploughing (during September) the effective plantation area (excluding unsuitable patches) across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough.	1	2321.40	Ha	2321
02.10.06	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	124.27	100	1381
02.10.09	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; 9194.85 x 12 = 110338 / 20	1	5517	Ha	5517
02.10.08	Contingencies provision for Raising of plantaitons: i) Fixing of Plantation Boards and Corner Stones ii) Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 5,000/-)				600
	<b>Unit Rate for 2020-21</b>				<b>35382</b>

  
 Forest Divisional Officer  
 Karghaznagar



**Unit Cost for 2nd Year Maintenance of NTSH Plantation (3m x 3m )SMM per Ha -  
FSR-2020-21**

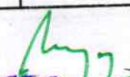
FSR Code	Item of work	Unit Rate per Ha			
		Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.10.01	Replacement of Casualties 25% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no casualty replacement for further maintenance) - <b>20% proposed</b>	50% of rate of original pitting rate during raising year and 100% during maintenance years. Planting, Transportation			
02.09.06	Digging of 45 cm cube size pits -	222	10.660	1	2367
02.09.07	Transportation up 5km	222	243.66	100	541
02.09.08	Transportation beyond 5 Km (25 - 5) = 20 KM	222	171.20	100	380
02.09.10	Internal Transportation	222	168.84	100	375
02.09.12	Planting in 45 cm <sup>3</sup> Pit	222	437.48	100	971
02.09.14 (a & b)	Watering to the plants - 2 waterings	1111	529.72	100	5885
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	7291.00
02.11.03	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	124.27	100	1381.00
02.10.04	Uprootal of Mahaveera (60% of the area)	0.60	3650.90	Ha	2191
02.01.03	Formation of Sector Lines / Fire Lines to a width of 3 m by giving surface treatment (sector to be in conformity with slope direction ). All stumps to be cut to ground level.	100	6.14	Rmt	614
02.11.05	<b>Cost of Protection: One Watcher</b> is allowed for 10-30 ha. plantation; $9194.85 \times 12 = 110338 / 20$	1	5517	Ha	5517.00
02.11.06	Contingencies provision for Raising of plantaitons: i) Fixing of Plantation Boards and Corner Stones ii) Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 5,000/-)				500
	<b>Unit Rate for 2020-21</b>				<b>28013</b>

  
 Forest Divisional Officer  
 Kaghaznagar



**Unit Cost for 3rd Year Maintenance of NTSH Plantation (3m x 3m ) SMM per Ha -FSR-2020-21**

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.02	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	1111	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	124.27	100	1381
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	364.96	100 Rmt	365
02.11.05	<b>Cost of Protection: One Watcher</b> is allowed for 10-30 ha. plantation; 9194.85 x 12 = 110338 / 20	1	5517	Ha	5517.00
	<b>Unit Rate for 2020-21</b>				<b>14554</b>

  
 Forest Divisional Officer  
 Kaghaznagar



**Unit Cost for 4th Year Maintenance of NTSH Plantation (3m x 3m ) SMM per Ha -FSR-2020-21**

FSR Code	Item of work	Unit Rate per Ha			
		Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	3	4	5	6
02.11.02	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	1111	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	124.27	100	1381
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	364.96	100 Rmt	365
02.11.05	<b>Cost of Protection: One Watcher is allowed for 10-30 ha. plantation;</b> 9194.85 x 12 = 110338 / 10	1	5517	Ha	5517
	<b>Unit Rate for 2020-21</b>				<b>14554</b>

  
 Forest Divisional Officer  
 Kachhaznagar



**Unit Cost for 5th Year Maintenance of NTSH Plantation (3m x 3m )SMM per Ha -FSR-2020-**  
**21**

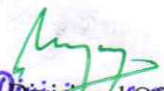
FSR Code	Item of work	Unit Rate per Ha			
		Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	3	4	5	6
02.11.02	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick axe only) without damaging the plant. (July-Aug)- the work will be carried out between 1 m to 1.1 m in a ring formation- Hence 25% of cost adopted	1111	656.25	100	7291
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	364.96	100 Rmt	365
	<b>Unit Rate for 2020-21</b>				<b>7656</b>

  
 Forest Divisional Officer  
 Keonjhar



**Unit Cost for 6th Year Maintenance of NTSH Plantation (3m x 3m ) SMM per Ha -FSR-2020-21**

FSR Code	Item of work	Unit Rate per Ha			
		Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.03	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	124.27	100	1381
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	364.96	100 Rmt	365
	Unit Rate for FSR 2020-21				1746

  
 Forest Divisional Officer  
 - Kagbeni Nagar



**Unit Cost for 7th Year Maintenance of NTSH Plantation (3m x 3m ) SMM per Ha FSR-2020-21**

Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.02	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick axe only) without damaging the plant. (July-Aug)- the work will be carried out between 1 m to 1.1 m in a ring formation- Hence 25% of cost adopted	1111	656.25	100	7291
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	364.96	100 Rmt	365
	<b>Unit Rate for FSR 2020-21</b>				<b>7656</b>

  
 Forest Divisional Officer  
 Kaghaznagar



**Unit Cost for 8th Year Maintenance of NTSH Plantation (3m x 3m ) SMM per Ha -FSR-2020-21**

FSR Code	Item of work	Unit Rate per Ha			
		Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.03	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	124.27	100	1381
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	364.96	100 Rmt	365
	<b>Unit Rate for FSR 2020-21</b>				<b>1746</b>

  
 Forest Divisional Officer  
 Kaghaznagar



**Unit Cost for 9th Year Maintenance of NTSB Plantation (3m x 3m )SMM per Ha -FSR-2020-21**


Unit Rate per Ha					
FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.02	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick axe only) without damaging the plant. (July-Aug)- the work will be carried out between 1 m to 1.1 m in a ring formation- Hence <b>25% of cost adopted</b>	1111	656.25	100	7291
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	364.96	100 Rmt	365
	<b>Unit Rate for FSR 2020-21</b>				<b>7656</b>

  
 Forest Divisional Officer  
 Kaghaznagar



**Unit Cost for 10th Year Maintenance of NTSH Plantation (3m x 3m ) SMM per Ha -FSR-2020-21**

FSR Code	Item of work	Unit Rate per Ha			
		Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.03	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	124.27	100	1381
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	364.96	100 Rmt	365
<b>Unit Rate for FSR 2020-21</b>					<b>1746</b>

  
*Divisional Officer*  
 Forest Divisional Officer  
 Kaghaznagar



**Unit cost for Digging of Cattle Proof Trench (CPT) along the RF Boundary**

**Unit cost for 1.00 KM**

Sl. No	Particulars	F.S.R. Item No.	Quantity		Rate	Per	Amount
1	2	3	4		5	6	7
1	Digging of CPT along the Reserve Forest Boundary line of Nambal Reserve Forest with the Machinery including excavation in all kinds of soils and depositing the excavation earth as directed with Minimum lead and lifts including cost of Machinery and labour 1000 Mtrs x ((1m+1.5m)/2) x 1m = 1250 Cu.m ( per KM)		1250	Cum	42.30	Cum	52875
			<b>Total :</b>				<b>52875</b>
			<b>Add SGST ( 6 % ) :</b>				<b>3173</b>
			<b>Add CGST ( 6 % ) :</b>				<b>3173</b>
			<b>Add CESS ( 1 % ) :</b>				<b>529</b>
			<b>Grand Total :</b>				<b>59750</b>

Or **60000**

  
 Forest Divisional Officer  
 Karghaznagar



**Unit cost for Stabilization of RF Block boundary ( CPT Bund stabilization) FSR 2020-21**

Sl. No.	FSR Item No.	Nature of work	Area in Ha/Km.	1.00	KM		
			Quantity	Rate	Per	Amount	
1	2	3	4	5	6	7	8
		<b>First year operations in ANR areas</b>					
1		<b>STABILIZATION OF RF BLOCK BOUNDARY CONTINUOUS PERIPHERAL TRENCH MOUND: Planting on peripheral trench mound and</b>					
	03.02.02	<b>1) Planting of :- (A) 2 rows of Gachakaya (Caesalpinia bonduc) seedlings in 2 staggered rows in 1x1 m spacing</b>					
		Procurement of seedlings ( Gachakaya 2000+ Bamboo-250 + fruit species-500) ( 2750 +25 % casulities per Kms= 3437 Nos or <b>3450 Nos</b>	3450	Nos	5.00	1	Nos 17250
		<b>(A) 2 rows of Gachakaya (Caesalpinia bonduc) seedlings in 2 staggered rows in 1x1 m spacing (row to row 1 m and within the row 1 m spacing) on the outer slope of the trench mound.</b>					
		(a) Allignment & Stacking (in 2 staggered rows)	2000	Nos	80.38	100	Nos 1608
		(b) Cost of preparation of stakes (0.45 m length) and transportation to site	2000	Nos	56.96	100	Nos 1139
		(c) Digging of 30 cm <sup>3</sup> pits to be done during June	2000	Nos	4.78	1	No 9560
		(e) Transportation of seedlings (including loading and unloading) & Internal transport -					
		(iii) From nursery to plantation site - upto 5 Km lead (4"x7") bag plants	2000	Nos	35.33	100	Nos 707
		(iv) From nursery to plantation site - beyond 5 Km upto 25 km lead (4"x7") bag plants ( 20 Kms X 1.30=26.00 )	2000	Nos	26.00	100	Nos 520
		(g) Internal transportation of 4"x7" bag plants to planting points on Head loads	2000	Nos	40.16	100	Nos 803
		(h) Planting with 2.00 m apart in two row (1000 Nos. per km) and formation of saucer on lower slope to hold water.	2000	Nos	140.60	100	Nos 2812
2		<b>(B) 1 row of wild edible fruit species on the ridge line of the trench mound at 2 m apart ( Bag Planting)</b>					
		(a) Allignment & Stacking (in 2 staggered rows)	500	Nos	80.38	100	Nos 402
		(b) Cost of preparation of stakes (0.45 m length) and transportation to site	500	Nos	56.96	100	Nos 285
		(d) Digging of 30 cm <sup>3</sup> pits (50% of original rate) to be done during June	500	Nos	4.78	1	No 2390
		(e) Transportation of seedlings (including loading and unloading) & Internal transport -					
		(i) From nursery to plantation site - upto 5 Km lead - (4"x7") bag plants	500	Nos	35.33	100	Nos 177
		(ii) From nursery to plantation site - beyond 5 Km lead - for every extra km beyond 5 km upto 25 km ( 20 x 1.30=41.00 )	500	Nos	26.00	100	Nos 130
		(f) Internal transportation of 4"x7" bag plants to planting points on Head loads	500	Nos	40.16	100	Nos 201
		(h)Planting with 2 m apart in one row (500Nos. per km)	500	Nos	140.60	100	Nos 703
3		<b>(C) bamboo (Dendrocalamus strictus) seedlings / rhizome(2-3 yr old) at 4 m apart in the middle of the inner slope of the mound ( Bag planting)</b>					
		(a) Allignment & Stacking (in 2 staggered rows)	250	Nos	80.38	100	Nos 201
		(b) Cost of preparation of stakes (0.45 m length) and transportation to site	250	Nos	56.96	100	Nos 142
		(d) Digging of 45 cm <sup>3</sup> pits (50% of original rate) to be done during June	250	Nos	18.06	1	No 4515
		(e) Transportation of seedlings (including loading and unloading) & Internal transport -					
		(i) From nursery to plantation site - upto 5 Km lead - (6"x8") bag plants	250	Nos	104.43	100	Nos 261
		(ii) From nursery to plantation site - beyond 5 Km lead - for every extra km beyond 5 km upto 25 km ( 20 x 3.66=73.20 )	250	Nos	73.20	100	Nos 183
		(f) Internal transportation of 6"x8" bag plants to planting points on Head loads	250	Nos	61.20	100	Nos 153
		(h)Planting with 4 m apart in one row ( 250 Nos. per km)	250	Nos	140.60	100	Nos 352
4		<b>(D) broadcasting of pretreated (overnight soaking in boiled water) Babul (Acacia nilotica) seeds inside trench @ 500gms per km by staff</b>					0
		<b>Total</b>					<b>44493</b>
		<b>2020-21</b>					<b>44500.00</b>

P. KM  
*Forest Divisional Officer*  
*Rajmangar*