


1566889/2022/ADMIN SECTION-PCCF

UNIT COST FOR MAINTENANCE OF BAG PLANTS (September to till disposal) (9x11) - FSR 2022-23

Sl. No.	FSR-2020-21 Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs.)	Per	
		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	195.29	1	781.16
2	01.05.02	Shifting, grading and rearrangement in beds	Bed/weeding	1	271.17	1	271.17
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	10137.32	100	506.87
		Total					1559.20
		cost of each plant (500 Plants per bed)					3.1184


 District Forest Officer
 Komaram Bheem
 (Asifabad)


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 Kaghaznagar

Forest Divisional Officer
 Kaghaznagar

1566889/2022/ADMIN SECTION-PCCF

UNIT COST FOR MAINTENANCE OF BAG PLANTS (April to August) FSR - 2022-23

Sl. No.	FSR-2020-21 Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs.)	Per	
	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" X 9" 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	316.14	1	1264.58
2	01.04.02	Weeding once during maintenance year	Bed/weeding	1	58.05	1	58.05
3	01.04.03	Shifting, grading and rearrangement in beds	Bed/shifting	2	271.17	1	542.35
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	21.00	1	21.00
	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	26.25	1	26.25
6	01.04.07	Weeding in the space between the beds, inspection path and surroundings of Nursery	Bed	1	31.95	1	31.95
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	10137.32	100	405.49
8	01.04.09	Electricity charges			550.00		600.00
		Total					2949.67
9	01.04.08	Contingencies @ 5%					147.48
		2022-23 Total					3097.16
		cost of each plant (500 Plants per bed)					6.1943

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UNIT COST FOR CONVERSION FROM 6"x8" to 9"x11" (FSR - 2022-23)

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	1378.45	1000	689.23
	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	36.58	1000	18.29
	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	2387.22	1000	1193.61
	01.03.31	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	58.05	1	116.11
5	01.03.32	Shifting, Grading and rearranging in secondary beds - One Grading in February	Bed	2	271.17	1	542.35
	01.03.33	Watering the plants manually twice a day (from November - 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	316.21	1	1581.04
	01.03.37	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from July to Oct.					40.00
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	10137.32	100	405.49
8		Cost of the ploythene bags					2500.00
9	01.03.39	Electricity charges					600.00
		Total					7686.11
10	01.03.38	Contingencies @ 5%					384.305
		Total for 500 plants					8070.41
		cost of each plant					16.1408

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Unit Cost for Advance Operations for Raising of N.T.S.H. Plantations 3m X 3m. (SMM)-FSR-2022-23

FSR Code	Item of work	Unit Rate per Ha			
		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	412.87	Plantation	413
02.08.02	Clearing unsalable unwanted jungle growth				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	2294.70	Ha	918
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	3449.20	Ha	1380
	(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	8103.38	Ha	1621
02.08.03	Uprootal of stumps				
	(a) Sparse Jungle growth (< 10% ground area covered with Jungle growth)	0.4	6273.00	Ha	2509
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	12141.26	Ha	4857
	(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	15784.21	Ha	3157
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	6390.21	Ha	2556
	(b) Very Light Jungle growth (>10% and up to 20% ground area covered with Jungle growth)	0.4	10140.56	Ha	4056
	(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	11823.92	Ha	2365
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	19818.17	Ha	19818
	Unit Rate for FSR 2022-23				43650

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Unit Cost for Raising of N.T.S.H. Plantations 3m X 3m. (SMM)-FSR- 2022-23

Unit Rate per Ha

Code	Item of work	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 untiled areas - Hard Soils	1	6182.98	Ha	6183
02.09.01	Removing congestion of root suckers and other uprooted material hindering the effective ploughing	1	1175.34	1	1175
02.09.04	© Alignment and staking including laying base line for Misc species with espacement 3mX3m (1111 Nos)	1111	98.51	100	1094
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	1323.00	100	14699
02.09.06	© Digging of 45 cm cube size pits	1111	9.95	1	11054
	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	294.83	100	3276
02.09.08	5 Km to 25 Km lead(20X30 cm (9"X11")bag plants)	1111	207.20	100	2302
	Internal transport of bag plants/root trainers to planting points on head loads.				
02.09.10	20X30 cm (9"X11")bag plants	1111	181.73	100	2019
02.09.11	Cost of SSP, Chloridine dust or Chloropyriphos	1111	2.10	1	2333
a	Application of 50gm of SSP per pit	1111	43.29	100	481
	Planting Bag Plants				
02.09.12	Planting in 45 cm ³ Pit	1111	482.33	100	5359
02.15.10	Cost of supporting stake of 2.5 m long sturdy and straight and minimum 10 cm girth at base	1111	1823.26	100	20256
02.09.14 (a & b)	Watering to the plants - 2 waterings	1111	584.04	100	6489
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	4.98	1	1104
	Transportation Up to 5 Km + Beyond 5 Km)	222	502.03	100	1115
	Internal Transportation	222	181.73	100	403
	Planting	222	482.33	100	1071
02.09.16	Cost of DAP @25gm / planting point	1111	2.10	1	2333
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	43.29	100	481
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	137.76	100	1531
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	723.51	100	8038
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	3853.25	1	3853
02.09.22	Uprootal of Mahaveera Weed	1	4025.12	1	4025
02.09.25	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; 12 months, 1 person for 20 ha	per person per month	10137.32	Ha	6082
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/-)				1500
	Unit Rate for FSR 2022-23				108256

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Unit Cost for 1st Year Maintenance of NTSH Plantation (3 m X 3 m) SMM per Ha -FSR- 2022-23

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	12.337	1	3430
02.09.07	Transportation up 5km	278	281.43	100	782
02.09.08	Transportation beyond 5 Km (25 - 5) = 20 KM	278	197.82	100	550
02.09.10	Internal Transportation	278	190.82	100	530
02.09.12	Planting in 45 cm ³ Pit	278	506.44	100	1408
02.09.16	Cost of DAP @25gm / planting point	1111	1.05	1	1167
02.09.14 (a & b)	Watering to the plants - 2 waterings	1111	584.04	100	6489
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	43.29	100	481
02.10.03	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	1111	137.76	100	1531
02.10.04	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	723.51	100	8038
02.10.05	Uprootal of Mahaveera	1	4025.12	Ha	4025
02.10.06	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	2808.89	Ha	2809
02.10.07	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	137.00	100	1522
02.10.09	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; 12 months, 1 person for 20 ha	per person per month	10137.32	Ha	6082
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/-)				1500
Unit Rate for 2022-23					40344

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**Unit Cost for 2nd Year Maintenance of NTSH Plantation (3m x 3m)SMM per Ha -
FSR- 2022-23**

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) - 20% proposed	50% of rate of original pitting rate during raising year and 100% during maintenance years. Planting, Transportation and internal transportation as			
02.09.06	Digging of 45 cm cube size pits -	278	12.337	1	3430
02.09.07	Transportation up 5km	278	281.43	100	782
02.09.08	Transportation beyond 5 Km (25 - 5) = 20 KM	278	197.82	100	550
02.09.10	Internal Transportation	278	190.82	100	530
02.09.12	Planting in 45 cm ³ Pit	278	506.44	100	1408
02.09.14 (a & b)	Watering to the plants - 2 waterings	1111	584.04	100	6489
02.11.03	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	1111	723.51	100	8038.00
02.10.07	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	137.00	100	1522.00
02.10.05	Uprootal of Mahaveera (60% of the area)	0.60	4025.12	Ha	2415
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	6.77	Rmt	677
02.11.06	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; 12 months, 1 person for 20 ha	per person per month	10137.32	Ha	6082
02.11.05	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 2022-23				32923

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Unit Cost for 3rd Year Maintenance of NTSB Plantation (3m x 3m) SMM per Ha -FSR- 2022-23**Unit Rate per Ha**

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.11.03	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant. (July-Aug)	1111	723.51	100	8038
02.10.07	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	137.00	100	1522.00
03.04.05	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - proportionate cost - 0.60 times	100	670.61	100 Rmt	671
02.11.06	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; 9 months, 1 person for 20 ha	per person per month	10137.32	Ha	4562
	Unit Rate for 2022-23				14792


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Unit Cost for 4th Year Maintenance of NTSB Plantation (3m x 3m) SMM per Ha -FSR- 2022-23

Unit Rate per Ha					
FSR Code	Item of work	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	689.06	100	7655
02.10.07	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Aug)	1111	137.00	100	1522.00
03.04.05	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	670.61	100 Rmt	671
02.11.06	Cost of Protection: One Watcher is allowed for 10-30 ha plantation; 6-months, 1 person for 20 ha	per person per month	10137.32	Ha	3041
Unit Rate for 2022-23					12889


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Unit Cost for 5th Year Maintenance of NTSH Plantation (3m x 3m)SMM per Ha -FSR- 2022-23

Unit Rate per Ha					
FSR Code	Item of work.	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	689.06	100	7655
03.04.05	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	670.61	100 Rmt	671
	Unit Rate for 2022-23				8326

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Unit Cost for 6th Year Maintenance of NTSH Plantation (3m x 3m) SMM per Ha -FSR- 2022-23

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.10.07	Pruning of flower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height (to be done during July - Aug)	1111	137.00	100	1522.00
03.04.05	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - proportionate cost - 0.60 times	100	670.61	100 Rmt	671
	Unit Rate for FSR 2022-23				2193


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Unit Cost for 7th Year Maintenance of NTSH Plantation (3m x 3m) SMM per Ha FSR- 2022-23

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	723.51	100	8038
03.04.05	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost :- 0.60 times	100	670.61	100 Rmt	671
	Unit Rate for FSR 2022-23				8709


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1566889/2022/ADMIN SECTION-PCCF

Unit Cost for 8th Year Maintenance of NTSH Plantation (3m x 3m) SMM per Ha -FSR- 2022-23

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.10.07	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Auf)	1111	137.00	100	1522.00
03.04.05	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	670.61	100 Rmt	671
	Unit Rate for FSR 2022-23				2193


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1566889/2022/ADMIN SECTION-PCCF

Unit Cost for 9th Year Maintenance of NTSH Plantation (3m x 3m)SMM per Ha -FSR- 2022-23

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	723.51	100	8038
03.04.05	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - proportionate cost - 0.60 times	100	670.61	100 Rmt	671
	Unit Rate for FSR 2022-23				8709

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Unit Cost for 10th Year Maintenance of NTSH Plantation (3m x 3m) SMM per Ha -FSR- 2022-23

Unit Rate per Ha

FSR Code	Item of work	Qty	Rate (Rs.)	Per	Amount (Rs.)
1	2	4	5	6	7
02.10.07	Pruning of flower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July - Auf)	1111	137.00	100	1522.00
03.04.05	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	100	670.61	100 Rmt	671
Unit Rate for FSR 2022-23					2193

N
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Forest Division Officer
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Kachhaznagar
Forest Division Officer

Forest Division Officer
Kachhaznagar


1566889/2022/ADMIN SECTION-PCCF

Unit cost for Digging of Cattle Proof Trench (CPT) along the RF Boundary (DFL 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 in Compt No. 221 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)x1m = 1250 Cu.m (per KM) Forest Division Office		1250	Cum	44.42	Cum	55519
			Total :				55519
			Add SGST (6 %) :				3331
			Add CGST (6 %) :				3331
			Add CESS (1 %) :				555
			Grand Total :				62736

Or 62500


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1566889/2022/ADMIN SECTION-PCCF

Unit cost for Stabilization of RF Block boundary (CPT Bund stabilization) FSR 2021-22

SL No.	FSR Item No.	Nature of work	Area in Ha/Km.	1.00	KM	Rate	Per	Amount
1	2	3	4	5	6	7	8	9
		First year operations in ANR areas						
1		<p>STABILIZATION OF RF BLOCK BOUNDARY CONTINUOUS PERIPHERAL TRENCH MOUND: Planting on peripheral trench mound and adjacent strips are taken up with the objective of increasing the effectiveness of trench as a barrier for entry of grazing animals and spread of fire. Also by planting on the mound, the loose soil gets stabilized and increases the life-span of trench. The rationale of planting the edible wild fruit species is to enhance the food base of the monkeys and other wild animals. The species selected for planting may be Pithecolobium dulce, Terminalia bellirica, Careya arborea, Bridellia retusa, Phyllanthus emblica, Semecarpus anardium, Buchanania lanzan, Tamarindus indica, Ficus benghalensis, Ficus religiosa, Limonia acidissima, Syzygium cumini etc. All these plantings will be one time operation without further years' maintainance. The process includes following steps:</p>						
	03.02.02	<p>1) Planting of :- (A) 2 rows of Gachakaya (Caesalpinia bonduc) seedlings in 2 staggered rows in 1x1 m spacement (row to row 1 m and within the row 1 m spacing) on the outer slope of the trench mound; (B) 1 row of wild edible fruit species on the ridge line of the trench mound at 2 m apart; (C) bamboo (Dendrocalamus strictus) seedlings / rhizome(2-3 yr old) at 4 m apart in the middle of the inner slope of the mound; and (D) broadcasting of pretreated (overnight soaking in boiled water) Babul (Acacia nilotica) seeds inside trench @ 500gms per km by staff. (E) 15% extra over basic rates for revisiting areas only. The total planting points thus works out to be 2750 seedlings per km on trench mound.</p>						
		Procurement of seedlings (Gachakaya 2000+ Bamboo-250 + fruit species-500) (2750 +25 % casualities per Kms= 3437 Nos or <u>3450 Nos</u>	3450	Nos	5.78	1	Nos	19924
		(A) 2 rows of Gachakaya (Caesalpinia bonduc) seedlings in 2 staggered rows in 1x1 m spacement (row to row 1 m and within the row 1 m spacing) on the outer slope of the trench mound.						
		(a) Allignment & Stacking (in 2 staggered rows)	2000	Nos	88.62	100	Nos	1772
		(b) Cost of preparation of stakes (0.45 m length) and transportation to site	2000	Nos	62.80	100	Nos	1256
		(c) Digging of 30 cm ³ pits to be done during June	2000	Nos	5.27	1	No	10542
		(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	40.80	100	Nos	816
		(iv) From nursery to plantation site - beyond 5 Km upto 25 km-lead (4"X7") bag plants (20 Kms X 1:43.)	2000	Nos	30.03	100	Nos	601
		(g) Internal transportation of 4"X7" bag plants to planting points on Head loads	2000	Nos	44.28	100	Nos	886
		(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	155.00	100	Nos	3100

1566889/2022/ADMIN SECTION-PCCF

Sl. No.	FSR Item No.	Nature of work	Quantity		Rate	Per		Amount
1	2	3	4	5	6	7	8	9
2		(B) 1 row of wild edible fruit species on the ridge line of the trench mound at 2 m apart (Bag Planting)						
		(a) Allignment & Stacking	500	Nos	88.62	100	Nos	443
		(b) Cost of preparation of stakes (0.45 m length) and transportation to site	500	Nos	62.80	100	Nos	314
		(c) Digging of 30 cm ³ pits to be done during June	500	Nos	5.27	1	No	2636
		(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	40.80	100	Nos	204
		(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	30.03	100	Nos	150
		(f) Internal transportation of 4"x7" bag plants to planting points on Head loads	500	Nos	44.28	100	Nos	221
		(h) Planting with 2 m apart in one row (500Nos. per km)	500	Nos	155.00	100	Nos	775
3		(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)						
		(a) Allignment & Stacking)	250	Nos	88.62	100	Nos	222
		(b) Cost of preparation of stakes (0.45 m length) and transportation to site	250	Nos	62.80	100	Nos	157
		(d) Digging of 45 cm ³ pits (50% of original rate) to be done during June	250	Nos	19.91	1	No	4977
		(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	120.61	100	Nos	302
		(ii) From nursery to plantation site - beyond 5 Km lead - for every extra km beyond 5 km upto 25 km (20 x 4.03=80.60)	250	Nos	84.63	100	Nos	212
		(f) Internal transportation of 6"x8" bag plants to planting points on Head loads	250	Nos	67.47	100	Nos	169
		(h) Planting with 4 m apart in one row (250 Nos. per km)	250	Nos	155.00	100	Nos	388
4		(D) broadcasting of pretreated (overnight soaking in boiled water) Babul (Acacia nilotica) seeds inside trench @ 500gms per km by staff						0
		Total						50064
		2021-22						47700

P. KM

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