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


Sl. No.	FSR-2021-22 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	185.99	1	743.96
2	01.05.02	Shifting, grading and rearrangement in beds	Bed/weeding	1	258.26	1	258.26
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	9654.59	100	482.73
		<b>Total</b>					<b>1484.95</b>
		<b>cost of each plant (500 Plants per bed)</b>					<b>2.9699</b>

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

Sl. No.	FSR-2021-22 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" X9" 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>	<b>Watering polybag secondary beds twice a day for 4 months</b>					
1	a	Manually with rose spray or finely perforated nozzle attached to a hose pipe	Bed/month	4	301.09	1	1204.36
2	<b>01.04.02</b>	<b>Weeding once during maintenance year</b>	Bed/weeding	1	55.29	1	55.29
3	<b>01.04.03</b>	<b>Shifting, grading and rearrangement in beds</b>	Bed/shifting	2	258.26	1	516.52
4	<b>01.04.05</b>	<b>Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from April to August</b>	As per actuals	1	20.00	1	20.00
	<b>01.04.06</b>	<b>Cowdung Slurry application (One can apply chemical foliar spray or apply cowdung slurry - not both)</b>					
5	a	Cost and transportation of fresh cowdung	As per actuals	1	25.00	1	25.00
6	<b>01.04.07</b>	<b>Weeding in the space between the beds, inspection path and surroundings of Nursery</b>	Bed	1	30.43	1	30.43
7	<b>01.05.04</b>	<b>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.</b>	Watcher/ month	4	9654.59	100	386.18
8	<b>01.04.09</b>	<b>Electricity charges</b>			500.00		500.00
		<b>Total</b>					<b>2737.78</b>
9	<b>01.04.08</b>	<b>Contingencies @ 5%</b>					<b>136.89</b>
		<b>2020-21 Total</b>					<b>2874.67</b>
		<b>cost of each plant (500 Plants per bed)</b>					<b>5.7493</b>


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

Sl. No.	FSR-2021-22 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 / 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	(h) 6" x 8" to 9" x 11" bags ( 4.717 - 1.433 = 3.284 cum) ( 500 Bags per Bed)	No	500	1265.95	1000	632.98
	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	33.18	1000	16.59
	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	2273.54	1000	1136.77
	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	55.29	1	110.58
5	01.03.32	Shifting, Grading and rearranging in secondary beds - One Grading in February	Bed	2	258.26	1	516.52
	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	301.15	1	1505.75
	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 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	9654.59	100	386.18
8		Cost of the ploythene bags					2340.00
9	01.03.36	Electricity charges					500.00
		<b>Total</b>					<b>7175.37</b>
10	01.03.37	Contingencies @ 5%					358.768
		<b>2021-22 Total for 500 plants</b>					<b>7534.14</b>
		<b>cost of each plant</b>					<b>15.0683</b>


  
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**UNIT COST FOR MAINTENANCE OF BAG PLANTS (6"x8")**

Sl. No.	FSR-2021-22 Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs)	Per	
		Maintenance of 4"x7" or 5"x9" bag-plants from April – August - Watering the plants twice a day from April – August					
1	01.03.12	(a) Manually with rose cans or finely perforated nozzle attached to a hose pipe	Bed	5	301.09	1	1505.45
2	01.03.13	Weeding the beds during May & July	Bed	2	55.29	1	110.58
3	01.03.14	Shifting, grading and rearrangement in beds	Bed	1	258.26	1	258.26
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	9654.59	100	386.18
		<b>2021-22</b>					<b>2560.47</b>
		cost of each plant ( 1100 plants per bed)					<b>2.3277</b>

  
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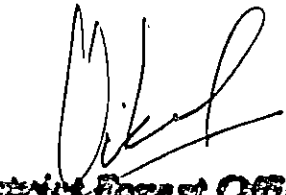
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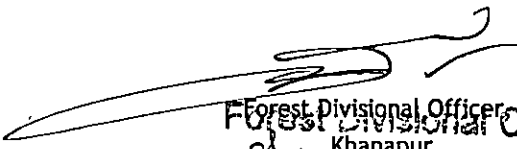
**UNIT COST FOR BAG PLANT NURSERY (6" x 8")**

Sl. No.	FSR-2021-22 Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs)	Per	
		<b>BAG PLANT NURSERY:</b> 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.					
		<b>Raising of Nursery in Polythene bags in sizes of 15.00 cm x 20.00cm(6" x 8") size bags: 250 g- bags and arranging in secondary beds (Bed size: 10 X 1 M).</b>					
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	54.68	1	54.68
		ii) Cost of Gusseted Polybags (including the cost): 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 Gusseted polybags.					
2	01.03.03	II -(b) 15.00 cm x 20.00cm(6" x 8") size bags: 250 g: 275 Nos / kg	Kg	4.00	159.00	1	636.00
	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	(c) 15.00 Cm X 20.00 cm( 6" X 8") size Gusseted Polybags of 250 gauge : 1.433 Cu.m Volume for 1000 bags	No's	1100	556.49	1000	612.14
	01.03.06	For every extra km beyond 5 km upto 25 km					
4	a	(c) 15.00 Cm X 20.00 cm( 6" X 8") size Gusseted Polybags of 250 gauge : 1.433 Cu.m Volume for 1000 bags	No's	1100	14.50	1000	15.95
	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	(c) 15.00 Cm X 20.00 cm( 6" X 8") 1100 bags per bed	No's	1100	1100.79	1000	1210.87
6	01.03.09	Allignment of beds including allignment of inspection paths etc	Bed	1	8.38	1	8.38
7	01.03.10	Pricking out seedlings from primary beds and transplanting into polybags	No's	1100	155.12	1000	170.63
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	92.28	1000	101.51
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	301.09	1	1204.36
10	01.03.13	Weeding to be done for every 2 months from the date of transplantation up to March	Bed	4	55.29	1	221.16
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	258.26	1	258.26
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	73.32	1	73.32

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Sl. No.	FSR-2021-22 Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs)	Per	
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	34.00	1	34.00
14	01.03.18	Weeding in the space between the beds, inspection path and surroundings of Nursery	Bed	2	37.71	1	75.42
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	9654.59	100	386.18
16		Electricity charges					500.00
		Total					5562.86
17		Add casualty 10%					751.09
		2021-22 Grand Total					6313.95
		cost of each plant (1100 plants per bed)					5.7400


  
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UNIT COST FOR RAISING OF PRIMARY BEDS

Sl. No.	FSR-2021-22 Code	Item of work	Unit	Rate (Rs.)	Amount (Rs.)
1		3	4	5	7
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	5.46	5.46
3	01.01.03	Digging soil of the demarcated beds of 1x1x0.30 m size	Bed	42.06	42.06
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	31.81	31.81
5	01.01.05	For every extra km beyond 5 km upto 25 km	Bed	1.27	1.27
6	01.01.06	Cost and transport of 0.025 cum FYM	Bed	27.34	27.34
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 levelling.	Bed	11.96	11.96
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	13.67	13.67
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	350.00	350.00
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	13.62	13.62
12	01.01.13	Watering the primary nursery beds with rose water cans twice daily for a maximum period of 2 months.	45 Days	15.32	15.32
13	01.01.14	Kerbing the primary beds all around with Cement Bricks (in permanent nurseries only), if required. In all such permanent primary beds, no incurring of expenditure for making the primary beds every year is permitted except for cost of fungicides.	Bed	43.00	43.00
14	01.01.15	Cost of chemicals, fungicide and insecticide	Bed	39.00	39.00
16		Electrical Charges		32.00	32.00
		Total			626.51
		Rasing of seedlings 110% for abtaining 100%		10%	62.65
		Total			689.16
		cost of each plant (2000 plants per bed)			0.345

  
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Advance Operations under Labour Intensive Method with 3m \* 3m espacement

Unit area 1.00 Ha.

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.01.00	<b>ADVANCE OPERATION (PRE-PLANTING OPERATION)</b> - All advance-operation works of plantations to be raised shall be completed before March. Perambulation of site, preparing site inspection report including type of vegetation and density, approval of site suitability and the category of jungle growth clearance, taking the images of the existing vegetation, preparation of treatment plan shall be prepared and approved in writing by DFO before taking up advance operation.				
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 latest by December end.	1	393.21	Plantation	393
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. All the above operations should be completed before December.				
	(a) Sparse Jungle growth (<10% ground area covered with Jungle growth)	0.40	2185.43	Ha	874
	(b) Very light jungle growth (>10% and upto 20% covered with Jungle growth)	0.40	3284.95	Ha	1314
	(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.	0.20	7717.5	Ha	1544
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.	500	6.45	Rmt	3225
02.01.05	Alignment and stacking including demarcation of baseline				
	(a) 3x3 m espacement	1111	93.82	100 No's	1042
02.01.04	Cost of preparation of stakes (0.45 m length) and transportation to site	1111	59.81	100 No's	664
02.01.06	Digging of pits during January to March				
	(b) (ii) 60 cm cube size in hard gravelly and moram Soil (Manual) - Rs.26.85 for 45 cm cube pit	1111	63.64	Each	70709
			Total		79765
Unit Rate for 2021-22					79765

  
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**Raising of Plantation under Labour Intensive Method with 3m \* 3m espacement**

100 plants

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.02.00	Planting Operations during raising year				
02.02.01	Transportation of planting stock (including loading and unloading upto a distance of 5 Kms)				
	(b) 15 X 30 cm (9"X11") bag plants	1111	268.03	100 Nos.,	2978.00
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance (Rs. 4.57/-)				
	(b) 15 X 30 cm (9"X11") bag plants	1111	84.80	100 Nos.,	942.00
02.02.03	Transportation of Planting Stock (including loading and unloading) more than 25 km distance and for every extra km (with prior written approval of Circle Head)				
	(b) 15 X 30 cm (9"X11") bag plants	1111	43.00	100 Nos.,	478.00
02.02.04	Internal transportation to planting points on head loads				
	(b) 15 X 30 cm (9"X11") bag plants	1111	173.08	100 Nos.,	1923
	<b>PLANTING: Seedlings of local species of secondary hardwood along with their associates and NTFP species will have to be chosen for planting. The minimum height of the planting stock to be planted is 0.75 m - 1m height (excluding the height of the bag)</b>				
02.02.05	Application of 50 gm of SSP per pit (1 day before planting) for root growth and early establishment of plant after planting. Similarly, the bag plants to be planted are to be dipped inside Chloropyriphos solution (5 ml of Chloropyriphos in 1 lit water) either at nursery site before transport or at plantation site before planting	1111	41.23	100 Nos.,	458
02.02.06	Cost of SSP, Chloridine dust (50 gm) or Chloropyriphos (Rs. 2/- per plant)	As per actual	800	Ha.	2222
02.02.07	Planting in 60 cm <sup>3</sup> Pit	1111	1019.43	100 Nos.,	11326
02.01.04-ii	ii) Cost of preparation of stakes (2.0 m length) and transportation to site (subject to condition that the seedling height is 1.5m to 2.0m height)	1111	1260.00	100.00	13999
02.02.09	Watering (one time) immediately after planting if the planting takes place on a non-rainy days and during dry spell - 4 waterings	1111	1112.44	100 Nos.,	12359
02.02.10	Replacement of Casualties: 20% during Raising Year & 25% in 1 <sup>st</sup> year The casualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year.	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			
02.01.06	Digging of pits (b) (ii) 60 cm cube size in hard gravelly and moram Soil (Manual) - Rs.25.57 for 45 cm cube pit	222	31.82	Each	7065
02.02.01	Transportation of planting stock (including loading and unloading upto a distance of 5 Kms)	222	268.03	100 Nos.,	595
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance	222	84.80	100 Nos.,	188

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FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.02.03	Transportation of Planting Stock (including loading and unloading) more than 25 km distance and for every extra km (with prior written approval of Circle Head)	222	43.00	100 Nos.,	95
02.02.04	Internal transportation to planting points on head loads	222	173.08	100 Nos.,	384
02.02.07	(b) Planting in 60 cm <sup>3</sup> Pit	222	1019.43	100 Nos.,	2263
02.02.11	Cost of DAP @ 25 gm / planting point	1111	1.20	Each	1333
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.	1111	41.23	100 Nos.,	458
02.02.13	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	1111	131.20	100 Nos.,	1458
02.02.14	Circular weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	1111	131.20	100 Nos.,	1458
02.02.15	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil	1111	689.06	100 Nos.,	7655
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 the planting rows (to be undertaken during July - August)				
	(a) High rainfall zone < 800 m	1	1536.44	Ha.	1536
			<b>Total</b>		<b>71173</b>
<b>Unit Rate for 2021-22</b>					<b>71173</b>

  
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1st year maintenance of Plantation under Labour Intensive Method with 3m \* 3m espacement

100 plants

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
01.03.05	Cost of transportation of soil mixture for filling the pit and spreading around the pit - 25 % of pit - 0.25 x 0.6 cm x 0.6 cm x 0.6 cm	21.60	434.94	cum	9395
02.03.01	Replacement of Casualties: 25% in 1st year (In case of Eucalyptus: no casualty replacement). The list of all casualty points shall be prepared by concerned FRO by and made a report to DFO latest by end of May. The pitting of all such casualty points shall be over by end of June. The casualty replacement shall be completed by end of July.	Pitting, planting, transportation and internal transportation same as prescribed in fresh planting			
02.01.06	Digging of pits (b) (ii) 60 cm cube size in hard gravelly and moram Soil (Manual) - Rs.25.57 for 45 cm cube pit	277.75	63.64	Each	17677
02.02.01	Transportation of planting stock (including loading and unloading upto a distance of 5 Kms)	277.75	268.03	100 Nos.,	744
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance	277.75	84.80	100 Nos.,	236
02.02.03	Transportation of Planting Stock (including loading and unloading) more than 25 km distance and for every extra km (with prior written approval of Circle Head)	277.75	43.00	100 Nos.,	119
02.02.04	Internal transportation to planting points on head loads	277.75	173.08	100 Nos.,	481
02.02.07	(b) Planting in 60 cm <sup>3</sup> Pit	277.75	1019.43	100 Nos.,	2831
02.02.11	Cost of DAP @ 25 gm / planting point	1111	1.12	Each	1244
02.02.09	Watering (one time) immediately after planting if the planting takes place on a non-rainy days and during dry spell - 4 waterings	1111	1112.44	100 Nos.,	12359
02.03.02	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	1111	131.20	100 Nos.,	1458
02.03.03	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	1111	131.20	100 Nos.,	1458
02.03.04	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil	1111	689.06	100 Nos.,	7655
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 the planting rows (to be undertaken during July -August)				
	(a) Low rainfall zone < 800 mm	1	1024.22	Ha.	1024
02.03.06	Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - proportionate cost - 0.60 times	500	638.68	100 Rmt	3193
			Total		61324
			Unit Rate for 2021-22		61324

  
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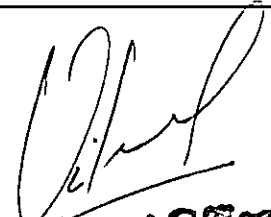
**2nd year maintenance Plantatation under Labour Intensive Method with 3m \* 3m espacement**

100 plants

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.01	Replacement of Casualties: 20% during Raising Year & 25% in 1 <sup>st</sup> year The caualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year. - 5% proposed	100% 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			
02.01.06	Digging of pits (b) (ii) 60 cm cube size in hard gravelly and moram Soil (Manual) - Rs.25.57 for 45 cm cube pit	56	63.64	Each	3535
02.02.01	Transportation of planting stock (including loading and unlaoding upto a distance of 5 Kms)	56	268.03	100 Nos.,	149
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance	56	84.80	100 Nos.,	47
02.02.03	Transportation of Planting Stock (including loading and unloading) more than 25 km distance and for every extra km (with prior written approval of Circle Head)	56	43.00	100 Nos.,	24
02.02.04	Internal transportation to planting points on head loads	56	173.08	100 Nos.,	96
02.02.07	(b) Planting in 60 cm <sup>3</sup> Pit	56	1019.43	100 Nos.,	566
02.02.11	Cost of DAP @ 25 gm / planting point	1111	1.12	Each	1244
02.04.01	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	1111	131.20	100 Nos.,	1458
02.04.02	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	1111	131.20	100 Nos.,	1458
02.04.03	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil	1111	689.06	100 Nos.,	7655
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 the planting rows (to be undertaken during July -August)				
	(a) Low rainfall zone < 800 mm	1	1024.22	Ha.	1024
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.54	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	500	638.68	100 Rmt	3193
			Total		21899

**Unit Rate for 2021-22**

**21899**

  
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**NIRMAL**


  
**Forest Divisional Officer**  
**Khanapur**

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3rd year maintenance Plantatation under Labour Intensive Method with 3m \* 3m espacement

100 plants

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.04.01	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	1111	131.20	100 Nos.,	1458
02.04.03	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil	1111	689.06	100 Nos.,	7655
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	500	638.68	100 Rmt	3193
			Total		13756
Unit Rate for 2021-22					13756

  
**District Forest Officer**  
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**Khanapur**

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4th year maintenance Plantatation under Labour Intensive Method with 3m \* 3m espacement

100 plants

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.04.01	Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June.	1111	131.20	100 Nos.,	1458
02.04.03	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil	1111	689.06	100 Nos.,	7655
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	500	638.68	100 Rmt	3193
			Total		13756
			Unit Rate for 2021-22		13756

  
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Forest Divisional Officer  
Khammam

5th year maintenance Plantatation under Labour Intensive Method with 3m \* 3m espacement

100 plants

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
02.04.03	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil -1 time	1111	689.06	100 Nos.,	7655
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	500	638.68	100 Rmt	3193
			Total		12298
Unit Rate for 2021-22					12298

  
**District Forest Officer**  
**NIRMAL**

  
**Forest Divisional Officer**  
**Khanapur**

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6th year maintenance Plantatation under Labour Intensive Method with 3m \* 3m espacement

100 plants

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	500	638.68	100 Rmt	3193
			Total		4643
			Unit Rate for 2021-22		4643

  
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Forest Divisional Officer  
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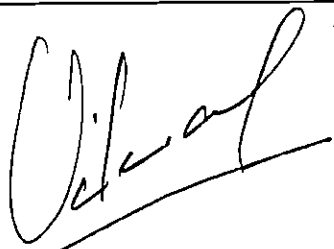


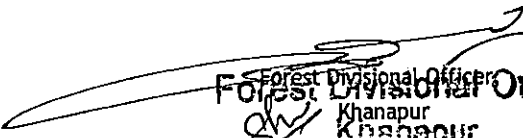
197

7th year maintenance Plantatation under Labour Intensive Method with 3m \* 3m espacement

100 plants

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.04.03	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil -1 time	1111	689.06	100 Nos.,	7655
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	500	638.68	100 Rmt	3193
			Total		10848
			Unit Rate for 2021-22		10848

  
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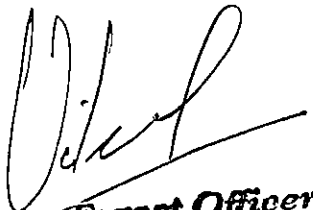
  
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Khanapur  
Khanapur


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8th year maintenance Plantation under Labour Intensive Method with 3m \* 3m espacement

100 plants

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	500	638.68	100 Rmt	3193
			Total		4643
Unit Rate for 2020-21					4643

  
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9th year maintenance Plantatation under Labour Intensive Method with 3m \* 3m espacement

100 plants

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.04.03	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil -1 time	1111	689.06	100 Nos.,	7655
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	500	638.68	100 Rmt	3193
			Total		10848
		Unit Rate for 2021-22			10848

  
**District Forest Officer**  
**NIRMAL**

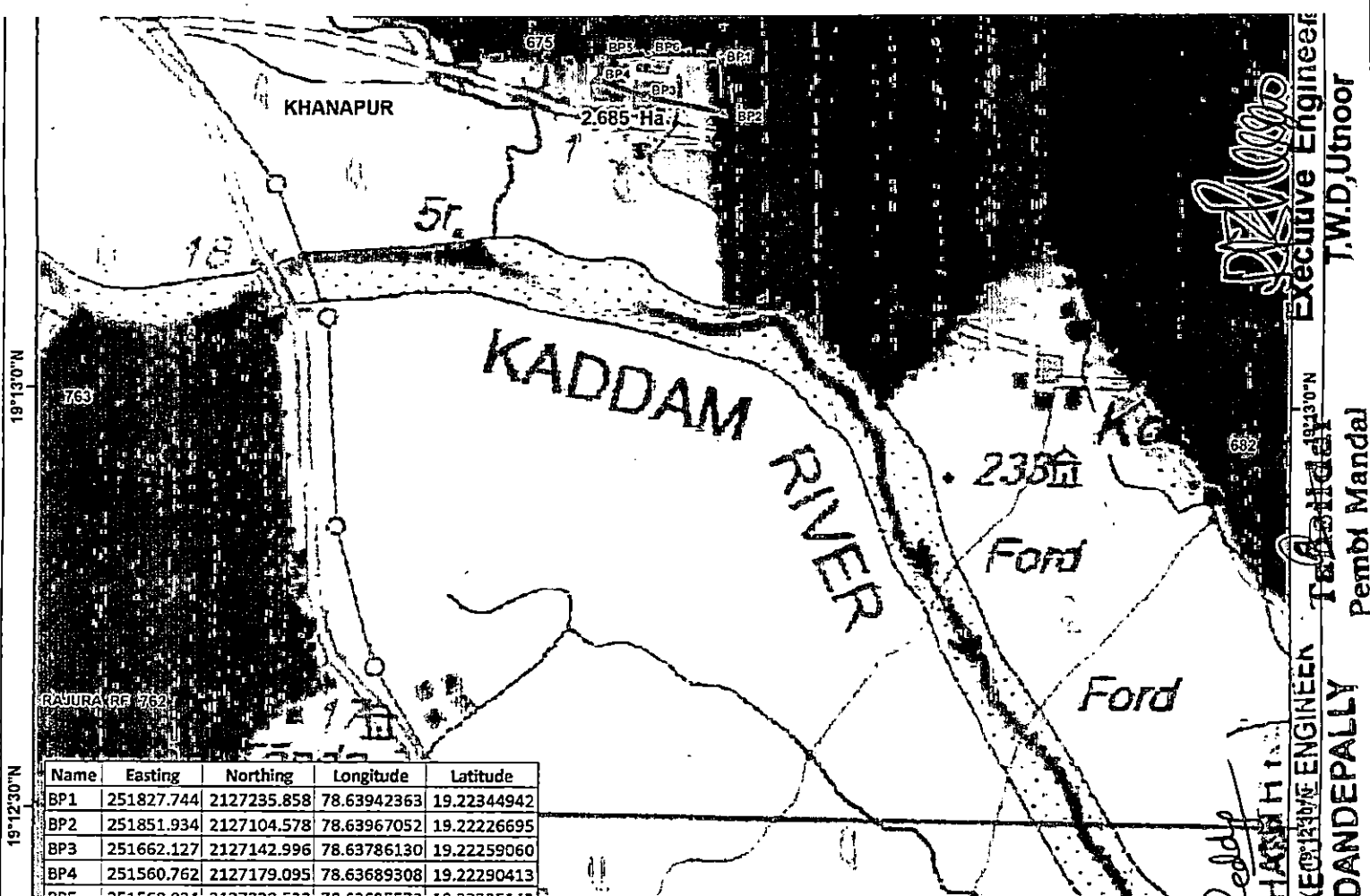
  
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Khanapur  
Khanapur

10th year maintenance Plantatation under Labour Intensive Method with 3m \* 3m espacement

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	500	638.68	100 Rmt	3193
			Total		4643
Unit Rate for 2021-22					4643

*Vilash*  
District Forest Officer  
NIRMAL

*Shr*  
Forest Division Officer  
Khanapur

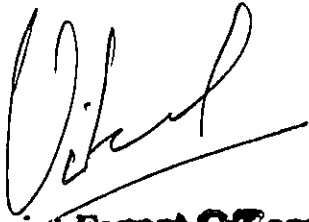


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9th year maintenance Plantatation under Labour Intensive Method with 3m \* 3m espacement

100 plants

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.04.03	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil -1 time	1111	689.06	100 Nos.,	7655
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	500	638.68	100 Rmt	3193
			Total		10848
			Unit Rate for 2021-22		10848

  
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**NIRMAL**

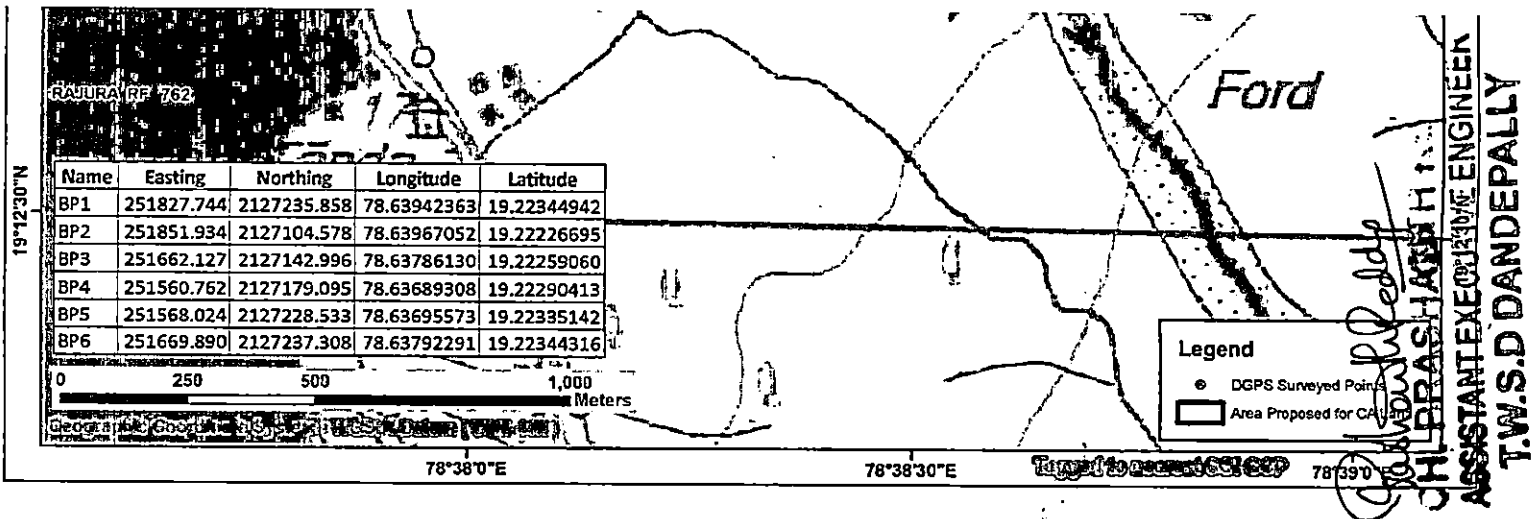
  
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**Khanapur**

10th year maintenance Plantatation under Labour Intensive Method with 3m \* 3m espacement

100 plants					
FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	500	638.68	100 Rmt	3193
			Total		4643
Unit Rate for 2021-22					4643

  
**District Forest Officer**  
**NIRMAL**

  
**Forest Officer**  
**Khatnapur**



10th year maintenance Plantatation under Labour Intensive Method with 3m \* 3m espacement

100 plants

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.06	Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height during October	1111	130.48	100 Nos.,	1450
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	500	638.68	100 Rmt	3193
			Total		4643
			Unit Rate for 2021-22		4643

*Vilal*  
District Forest Officer  
NIRMAL

*[Signature]*  
Forest Divisional Officer  
Khanapur

