



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

Sl. No.	FSR-2019-20 Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs.)	Per	
		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 (1100 Plants per bed)					1.4175

10% escalation every year


Forest Divisional Officer,
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UNIT COST FOR MAINTENANCE OF BAG PLANTS (April to August)

Sl. No.	FSR-2019-20 Code	Item of work	Unit	Quantity	As per FSR			Amount (Rs.)
					Rate (Rs.)	Per	Total (Rs.)	
	01.04.00	MAINTAINANCE OF BAG PLANTS NURSERY UPTO PLANTING SEASON (APRIL TO AUGUST) for 10 m X 1 m size secondary beds (2600 Nos of 4" X 7" bags; 1700 Nos of 5" X9" bags ; 1100 Nos. of 6"X12" bags; 800 Nos. of 8"X12" bags; 400 Nos. of 10"x16" bags per bed)						
	01.04.01	Watering polybag secondary beds twice a day for 4 months						
1	a	Manually with rose spray or finely perforated nozzle attached to a hose pipe	Bed/month	4	316.14	1	316.14	1264.56
2	01.04.02	Weeding once during maintenance year	Bed/weeding	1	58.05	1	58.05	58.05
3	01.04.03	Shifting, grading and rearrangement in beds	Bed/shifting	2	271.17	1	271.17	542.34
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	30.00	1	30.00	30.00
	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	30.00	1	30.00	30.00
6	01.04.07	Weeding in the space between the beds, inspection path and sorroundings of Nursery	Bed	1	31.95	1	31.95	31.95

Sl. No.	FSR-2019-20 Code	Item of work	Unit	Quantity	As per FSR			Amount (Rs.)
					Rate (Rs.)	Per	Total (Rs.)	
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	10137.32	405.49
8	01.04.09	Electricity charges			500.00		500.00	500.00
		Total						2862.39
9	01.04.08	Contingencies @ 5%						143.12
		2022-23 Total						3005.51
		cost of each plant (1100 Plants per bed)						2.7323

10% escalation every year

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

Sl. No.	FSR-2019-20 Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs)	Per	
		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	e	(e) 4" x 7" to 9" x 11" bags (4.717 - 0.56 = 4.157 cum)	No	1100	1694.99	1000	1864.49
	01.03.22	Transportation of soil mixture ingredients more than 5 km distance and upto 25 km distance					
2	e	(e) 4" x 7" to 9" x 11" bags (4.717 - 0.56 = 4.157 cum)	No	1100	46.13	1000	50.74
	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	e	(e) 4" x 7" to 9" x 11" bags (4.717 - 0.56 = 4.157 cum)	No	1100	3021.90	1000	3324.09
	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	116.10
5	01.03.32	Shifting, Grading and rearranging in secondary beds - One Grading in February	Bed	2	271.17	1	542.34

Sl. No.	FSR-2019-20 Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs)	Per	
	01.03.33	Watering the plants manually twice a day (from Novemebr - March) with rose spray or finely perforated nozzle attached to a hose pipe.					
6	a	Manually with rose spray or finely perforated nozzle attached to a hose pipe	Bed	5	316.21	1	1581.05
	01.03.35	Cost of foliar nutrient formulations like multiplex or NPK-19:19:19; fungicides and insecticides from July to Oct.					50.00
7	01.05.04	Cost of Protection: One Nursery Watcher is allowed up to 1 lakh RT nursery or 100 secondary beds of polybags / 100 Teak beds of 10 x 1 m size or combination of both. One additional Nursery Watcher is permitted for nurseries having more than 1 lakh upto 3 lakh RT seedlings or more than 100 upto 300 secondray beds or Teak beds of 10 x 1 m size or combination of both. For more than 3 lakh RT or 300 secodary beds of Teak bedsor combination of both another additional Nursery Watcher is allowed. While calculating the number of Nursery Watcher, care shall be taken to include the nursery raising under all Schemes at a particular site. No extra Nursery Watcher is allowed for primary beds of 1x1 m size. However, the above narrative is subject to the provisions cited under general instructions.	Bed	4	10137.32	100	405.49
8		Cost of the ploythene bags					2340.00
9	01.03.37	Electricity charges					500.00
		Total					10774.30
10	01.03.37	Contingencies @ 5%					538.715
		2022-23 Total for 1100 plants					11313.02
		cost of each plant					10.2846

10% escalation every year

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

Sl. No.	FSR-2019-20 Code	Item of work	Unit	Quantity	As per FSR		Amount (Rs.)
					Rate (Rs)	Per	
		Maintenance of 4"x7" or 5"x9" bag-plants from April – August - Watering the plants twice a day from April – August					
1	01.04.01	(a) Manually with rose cans or finely perforated nozzle attached to a hose pipe	Bed	5	316.14	1	1580.70
2	01.04.02	Weeding the beds during May & July	Bed	2	58.05	1	116.10
3	01.04.03	Shifting, grading and rearrangement in beds	Bed	1	271.17	1	271.17
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	10137.32	100	405.49
		2022-23 Total					2673.46
		cost of each plant (2600 plants per bed)					1.0283

10% escalation every year


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UNIT COST FOR BAG PLANT NURSERY

Sl. No.	FSR-2019-20 Code	Item of work	Unit	Quantity	As per FSR			Amount (Rs.)
					Rate (Rs)	Per	Total (Rs)	
		BAG PLANT NURSERY: Seedlings need to be raised in 4"x7" (200 gauge) or 5"x9" (250 gauge) bags which are to be converted into 6"x12" (400 gauge) or 8"x12" (400 gauge) polybags. The seedlings are to be transplanted from primary beds in June - July. Hence the bags are to be filled during April-May when the soil is dry.						
		Raising of Nursery in Polythene bags in sizes of 4"x7" (200 gauge) or 5"x9" (250 gauge) bags and arranging in secondary beds (Bed size: 10 X 1 M).						
1	01.03.01	Site preparation for New Sites - Clearing of growth, uprootal of stumps and removal of surface stones, rubbish of all sorts etc.	Bed	1	57.42	1	57.42	57.42
		Cost of Polybags (including the cost of certification by): To ensure quality control, the quality of bags have to be certified by CIPET (Central Institute of Plastic Engineering & Technology), Hyderabad at the cost of tenderer by taking samples from various lots of polybags.						
2	01.03.03	10 cm x 17.5 cm (4" x 7") size bags of 200 g: 589 bags / kg	Kg	4.41	160.00	1	160.00	705.60
	01.03.04	Cost and Transport of ingredients for Potting Mixture: (As per CSSR) Red Soil, tank-silt, FYM in 2:1:1 ratio. To this soil mixture, 220 gm of Indophyll M-45, 4.5 kg of single super phosphate (SSP) and 250 gm of phorate granules per 1 cum of potting mixture will be added. Cost of chemicals is as per actuals.						
	01.03.05	Distance upto 5 km						
3	a	10 cm x 17.5 cm (4" x 7") size bags: 2600 bags / bed	No's	2600	228.28	1000	228.28	593.53
	01.03.06	For every extra km beyond 5 km upto 25 km						
4	a	10 cm x 17.5 cm (4" x 7") = 0.56 cum vol. for 1000 bags	No's	2600	6.23	1000	6.23	16.20
	01.03.08	Preparation of Potting Mixture by powdering of various ingredients, sieving and mixing them in prescribed proportion; opening of bags and filling with potting mixture and gently pressing the same with finger tips and arranging in beds.						
5	a	10 cm x 17.5 cm (4" x 7") size bags: 2600 bags / bed	No's	2600	675.94	1000	675.94	1757.44
6	01.03.09	Alignment of beds including alignment of inspection paths etc	Bed	1	8.80	1	8.80	8.80
7	01.03.10	Pricking out seedlings from primary beds and transplanting into polybags	No's	2600	162.88	1000	162.88	423.49
8	01.03.11	Sowing / dibbling of pretreated seeds (e.g. Yegisa, Nalamadi, Yerumaddi etc.) directly into bags including cost of treatment	No's	2600	96.89	1000	96.89	251.91
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	316.15	1	316.15	1264.60

Sl. No.	FSR-2019-20 Code	Item of work	Unit	Quantity	As per FSR			Amount (Rs.)
					Rate (Rs)	Per	Total (Rs)	
10	01.03.13	Weeding to be done for every 2 months from the date of transplantation up to March	Bed	4	58.05	1	58.05	232.20
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	271.17	1	271.17	271.17
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	76.98	1	76.98	76.98
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	34.00
14	01.03.18	Weeding in the space between the beds, inspection path and surroundings of Nursery	Bed	2	39.59	1	39.59	79.18
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	10137.32	100	10137.32	405.49
16		Electricity charges					500.00	500.00
		Total						6678.01
17		Add casualty 10%						751.09
		2022-23 Grand Total						7429.10
		cost of each plant (2600 plants per bed)						43701

10% escalation every year

Forest Divisional Officer,
Kamareddy

N. N. N.
District Forest Officer,
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P. S. S.
Forest Divisional Officer,
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UNIT COST FOR RAISING OF PRIMARY BEDS

Sl. No.	FSR-2019-20 Code	Item of work	Unit	Rate (Rs.)	Amount (Rs.)
1	2	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	5.73	5.73
3	01.01.03	Digging soil of the demarcated beds of 1x1x0.30 m size	Bed	44.16	44.16
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	33.4	33.40
5	01.01.05	For every extra km beyond 5 km upto 25 km	Bed	1.39	1.39
6	01.01.06	Cost and transport of 0.025 cum FYM	Bed	28.71	28.71
7	01.01.07	Mixing of sandy soil and FYM in 5:1 proportion (50 % of volume of bed) with excavated soil and refilling the bed and lavelling.	Bed	12.56	12.56
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	14.35	14.35
10	01.01.10	Cost of seed - seed weight, germination percentage and target of planting stock of individual species are to be taken into consideration while estimating the requirement of seeds	Bed	500.00	500.00

Sl. No.	FSR-2019-20 Code	Item of work	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	7
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	14.30	14.30
12	01.01.13	Watering the primary nursery beds with rose water cans twice daily for a maximum period of 2 months.	45 Days	16.09	16.09
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	42.00	42.00
14	01.01.15	Cost of chemicals, fungicide and insecticide	Bed	50.00	50.00
16		Electrical Charges		52.00	52.00
		Total			814.69
		Rasing of seedlings 110% for abtaining 100%		10%	81.47
		Total			896.16
		cost of each plant (2000 plants per bed)			0.45



Forest Divisional Officer,
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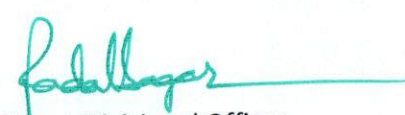
Forest Divisional Officer,
Banswada

Year-wise Abstract

Sl. No.	Year	NFL area Amount (Rs.Lakhs)	DFL area Amount (Rs.Lakhs)	Total Amount (Rs.Lakhs)
1	2022-23	11.01900	0.66249	11.68149
2	2023-24	77.93606	24.34814	102.28420
3	2024-25	10.53913	18.07653	28.61566
4	2025-26	5.53207	9.82574	15.35780
5	2026-27	3.57769	6.35097	9.92866
6	2027-28	2.13494	3.78985	5.92479
7	2028-29	1.41448	2.51094	3.92542
8	2029-30	1.32678	2.35524	3.68202
9	2030-31	0.31279	0.55525	0.86804
10	2031-32	1.36657	2.42588	3.79244
11	2032-33	0.37847	0.67185	1.05033
12	2033-34	1.65355	2.93531	4.58886
13	2034-35	0.45795	0.81294	1.27090
	Total	117.64947	75.32113	192.97061


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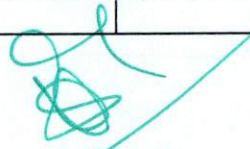

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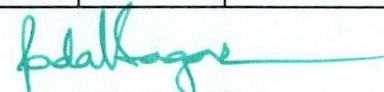

Forest Divisional Officer,
Banswada

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

Unit area 1.00 Ha,

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	137.00	100 Nos.,	1522
03.03.01	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
			Total		2193
			Unit Rate for 2022-23		2193


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

Unit area 1.00 Ha,

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	723.51	100 Nos.,	8038
03.03.01	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
			Total		8709
Unit Rate for 2022-23					8709


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8th year maintenance Plantatation under Labour Intensive Method with 3m x 3m espacement

Unit area 1.00 Ha,

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	137.00	100 Nos.,	1522
03.03.01	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
			Total		2193
Unit Rate for 2022-23					2193



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

Unit area 1.00 Ha,

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	723.51	100 Nos.,	8038
03.03.01	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
			Total		8709
Unit Rate for 2022-23					8709



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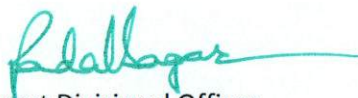
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Kamareddy

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

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.06	Pruning of lower branch initials of Timber and NTFF species by scicature upto 1/3 rd height during October	1111	137.00	100 Nos.,	1522
03.03.01	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
			Total		2193
			Unit Rate for 2022-23		2193


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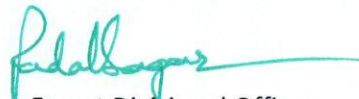

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Kamareddy

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

Unit area 1.00 Ha,

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	137.00	100 Nos.,	1522
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	723.51	100 Nos.,	8038
03.03.01	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
			Total		10231
			Unit Rate for 2022-23		10231


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

Unit area 1.00 Ha,

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	137.76	100 Nos.,	1531
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	723.51	100 Nos.,	8038
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	137.00	100 Nos.,	1522
03.01.04	Formation of New Fire lines of 5.00 m width and cleaning of old fire lines if not maintained for last 5 years including burning.	100	906.59	100 Rmt	907
02.02.21	Cost of Protection: (a) For fenced area: One Casual labour is allowed for the plantation more than 10.00 ha but less than 30.00 ha. in extent and two Casual labourers are allowed for more than 30.00 ha. For 6 months (Rs.115848 per year for 12 months per 15 ha)	1	3828	Ha	
			Total		11998
			Unit Rate for 2022-23		11998


Forest Divisional Officer,
Kamareddy



District Forest Officer,
Kamareddy



Forest Divisional Officer,
Banswada

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

Unit area 1.00 Ha,

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	137.76	100 Nos.,	1531
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	723.51	100 Nos.,	8038
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	137.00	100 Nos.,	1522
02.04.07	i) Maintenance of Plantation Board	1		as per actual	5000
02.02.21	Cost of Protection: (a) For fenced area: One Casual labour is allowed for the plantation more than 10.00 ha but less than 30.00 ha. in extent and two Casual labourers are allowed for more than 30.00 ha. For 6 months (Rs.115848 per year for 12 months per 15 ha)	1	3828	Ha	3828
			Total		19919
			Unit Rate for 2022-23		19919


Forest Divisional Officer,
Kamareddy


Forest Divisional Officer,
Banswada



District Forest Officer,
Kamareddy

2nd year maintenance Plantation under Labour Intensive Method with 3m x 3m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.01	Replacement of Casualties: 20% during Raising Year & 25% in 1 st year The casualty 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.24.35 for 45 cm cube pit	55.55	66.82	Each	3712
02.02.01	Transportation of planting stock (including loading and unloading upto a distance of 5 Kms)	55.55	294.83	100 Nos.,	164
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance	55.55	10.36	100 Nos.,	6
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)	55.55	5.03	100 Nos.,	3
02.02.04	Internal transportation to planting points on head loads	55.55	181.73	100 Nos.,	101
02.02.07	(b) Planting in 60 cm ³ Pit	55.55	482.33	100 Nos.,	268
02.04.01	Cost of DAP @ 25 gm / planting point	1111		Each	4000
02.04.02	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 Nos.,	1531
02.04.03	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	1111	137.76	100 Nos.,	1531
02.04.04	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)				

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
	(b) For hard gravelly soil	1111	723.51	100 Nos.,	8038
02.04.05	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	1075.43	Ha.	1075
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	137.00	100 Nos.,	1522
02.02.22	Uprootal of Mahaveera (<i>Hyptis suaveolens</i>) weed based on CF's proposal along with field inspection report and photographs with <i>prior written approval of the PCCF (HoFF)</i> . The weed removal shall be completed before September-end (before flowering) .	1	4025.12	Ha.	4025
02.04.07	i) Maintenance of Plantation Board	1		as per actual	5000
02.02.21	Cost of Protection: (a) For fenced area: One Casual labour is allowed for the plantation more than 10.00 ha but less than 30.00 ha. in extent and two Casual labourers are allowed for more than 30.00 ha. For 9 months (Rs.115848 per year for 12 months per 15 ha)	1	5742	Ha	5742
			Total		36718
			Unit Rate for 2022-23		36718


Forest Divisional Officer,
Kamareddy


Forest Divisional Officer,
Banswada


District Forest Officer,
Kamareddy

1st year maintenance of Plantatation under Labour Intensive Method with 3m x 3m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
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 precribed in fresh planting		
02.01.06	Digging of pits (b) (ii) 60 cm cube size in hard gravelly and moram Soil (Manual) - Rs.24.35 for 45 cm cube pit	277.75	66.82	Each	18559
02.02.01	Transportation of planting stock (including loading and unlaoding upto a distance of 5 Kms)	277.75	294.83	100 Nos.,	819
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance	277.75	10.36	100 Nos.,	29
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	5.03	100 Nos.,	14
02.02.04	Internal transportation to planting points on head loads	277.75	181.73	100 Nos.,	505
02.02.07	(b) Planting in 60 cm ³ Pit	277.75	482.33	100 Nos.,	1340
02.03.02	Cost of DAP @ 25 gm / planting point	1111		as per actual	5000
02.03.03	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 Nos.,	1531
02.03.04	Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept)	1111	137.76	100 Nos.,	1531
02.03.05	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	723.51	100 Nos.,	8038

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.03.06	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	1075.43	Ha.	1075
02.03.07	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1111	137.00	100 Nos.,	1522
02.02.22	Uprootal of Mahaveera (<i>Hyptis suaveolens</i>) weed based on CF's proposal along with field inspection report and photographs with prior written approval of the PCCF (HoFF). The weed removal shall be completed before September-end (before flowering).	1	4025.12	Ha.	4025
02.03.09	i) Maintenance of Plantation Board	1		as per actual	5000
02.02.21	Cost of Protection: (a) For fenced area: One Casual labour is allowed for the plantation more than 10.00 ha but less than 30.00 ha. in extent and two Casual labourers are allowed for more than 30.00 ha. For 12 months (Rs.115848 per year for 12 months per 15 ha)	1	7657	Ha	7657
			Total		56645
			Unit Rate for 2022-23		56645


 Forest Divisional Officer,
 Kamareddy


 Forest Divisional Officer,
 Banswada


 District Forest Officer,
 Kamareddy

Raising of Plantation under Labour Intensive Method with 3m x 3m espacement

Unit area 1.00 Ha,


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)				
	(d) 23 X 28 cm (9"X11") bag plants	1111	294.83	100 Nos.,	3276.00
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance				
	(d) 23 X 28 cm (9"X11") bag plants	1111	10.36	100 Nos.,	2302.00
02.02.03	Transportation of Planting Stock (including loading and unloading) more than 25 km distance and for every extra km (<i>with prior written approval of Circle Head</i>)				
	(d) 23 X 28 cm (9"X11") bag plants	1111	5.03	100 Nos.,	1118.00
02.02.04	Internal transportation to planting points on head loads				
	(d) 23 X 28 cm (9"X11") bag plants	1111	181.73	100 Nos.,	2019
	PLANTING: <i>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)</i>				
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	43.29	100 Nos.,	481


FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.02.06	Cost of SSP, Chloridine dust (50 gm) or Chloropyriphos (Rs. 2/- per plant)	As per actual		Ha.	4000
02.02.07	Planting in 45 cm ³ Pit	1111	482.33	100 Nos.,	5359
02.02.00	a) 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	1323.00	100.00	14699
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	1168.08	100 Nos.,	12977
02.02.10	Replacement of Casualties: 20% during Raising Year & 25% in 1 st 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			
02.01.06	Digging of pits (b) (ii) 60 cm cube size in hard gravelly and moram Soil (Manual) - Rs.28.19 for 45 cm cube pit	222.2	33.41037	Each	7424
02.02.01	Transportation of planting stock (including loading and unloading upto a distance of 5 Kms)	222.2	294.83	100 Nos.,	655
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance	222.2	10.36	100 Nos.,	23
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)	222.2	5.03	100 Nos.,	11
02.02.04	Internal transportation to planting points on head loads	222.2	181.73	100 Nos.,	404
02.02.07	b) Planting in 45 cm ³ Pit	222.2	482.33	100 Nos.,	1072
02.02.11	Cost of DAP @ 25 gm / planting point	1111		as per actual	4000

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
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	43.29	100 Nos.,	481
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	137.76	100 Nos.,	1531
02.02.14	Circular weeding to a radius of 0.50 m around the plant (i.e., Aug - Sept)	1111	137.76	100 Nos.,	1531
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	723.51	100 Nos.,	8038
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) Low rainfall zone < 800 m	1	1075.43	Ha.	1075
02.02.17	Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height during October	1111	137	100 Nos.,	1522
02.02.22	Uprootal of Mahaveera (<i>Hyptis suaveolens</i>) weed based on CF's proposal along with field inspection report and photographs with prior written approval of the PCCF (HoFF). The weed removal shall be completed before September-end (before flowering).	1	4025.12	Ha.	4025

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.02.21	Cost of Protection: (a) For fenced area: One Casual labour is allowed for the plantation more than 10.00 ha but less than 30.00 ha. in extent and two Casual labourers are allowed for more than 30.00 ha. For 9 months (Rs.115848 per year for 12 months per 15 ha)	1	5742	Ha	5742
02.02.20	i) Fixing of Plantation Boards and Corner Stones	1		as per actual	12000
			Total		95765
Unit Rate for 2022-23					95765


 Forest Divisional Officer,
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 Forest Divisional Officer,
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 District Forest Officer,
 Kamareddy


Advance Operations under Labour Intensive Method with 3m x 3m espacement

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.01.00	ADVANCE OPERATION (PRE-PLANTING OPERATION) - 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	412.87	Plantation	413
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	2294.70	Ha	918

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
	(b) Very light jungle growth (>10% and upto 20% covered with Jungle growth)	0.40	3449.20	Ha	1380
	(c) Light Jungle Growht (>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	8103.38	Ha	1621
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
02.01.05	Alignment and stacking including demarcation of baseline				
	(a) 3x3 m espacement	1111	98.51	100 No's	1094
02.01.04	Cost of preparation of stakes (0.45 m length) and transportation to site	1111	62.8	100 No's	698
02.01.06	Digging of pits during January to March				
	(b) (ii) 60 cm cube size in hard gravelly and moram Soil (Manual) - Rs.28.19 for 45 cm cube pit	1111	66.82	Each	74238
SSR	Cost and transportation of soil mixtue for filling half of the pit and spreading around the pit - 0.6 cm x 0.6 cm x 0.6 cm = 0.216 cum	239.976	185.90	cum	44612
			Total		125651
Unit Rate for 2022-23					125651


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