

- 279 -  
UNIT COST FOR RAISING OF PRIMARY BEDS FSR 2018-19

Sl. No.	FSR-2018-19 Code	Item of work	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	7
1	01.00.00	Raising of primary beds			
2	01.01.01	Preparation of new site	Bed	4.72	4.72
3	01.01.03	Digging of soil of the demarcated beds	Bed	36.32	36.32
4	01.01.04	Cost of sandy soil and transportation up to 5Kms lead	Bed	28	28.00
5	01.01.05	5 Kms to 25 Kms (20 Kms)	Bed	22.20	22.20
6	01.01.06	Cost of FYM	Bed	24.06	24.06
7	01.01.07	Mixing of soil with FYM	Bed	10.32	10.32
8	01.01.08	Covering the beds	Bed	11.79	11.79
9	01.01.09	Soil drenching By Nursery Watcher			0.00
10	01.01.10	Cost of seed	Bed	L.S amount	300.00
11	01.01.12	Sowing of seed	Bed	11.74	11.74
12	01.01.13	Watering the primary nursery beds	2	13.21	26.42
13	01.01.14	Kerbing the primary beds	Bed	L.S amount	27.50
14	01.01.15	Cost of chemicals	Bed	20.00	20.00
16		Electrical Charges		20.00	20.00
17		Application of fungisides & insectisides with power driven backpack mechanized sprayer ... to spray insecticides (BY nursery watcher)			0.00
		<b>Total</b>			<b>543.07</b>
		<b>Rasing of seedlings 110% for abtaining 100%</b>		10%	<b>54.31</b>
		<b>Total</b>			<b>597.38</b>
		<b>cost of each plant (2000 plants per bed) - 2018-19</b>			<b>0.30</b>

District Forest Officer,  
Jagtial

- 281 -  
UNIT COST FOR BAG PLANT NURSERY (FEB TO MARCH)

No.	FSR-2018-19 Code	Item of work	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	7
		<b>Raising of bag plant nursery 5x9</b>			
1	01.03.01	Site preparation	Bed	48.18	48.18
2	01.03.03	Cost of polythene bag (5"X9") 12.50 x22.5 4.64 Kg. + extra 15% = 5.336 Kgs.	Bed	848.42	848.42
3	01.03.05	Cost of transportation of ingredients for potting mixture distance upto 5km	Bed	382.98	651.06
	01.03.06	for 5kms to 25kms (20 Kms.)		199.60	339.32
	01.03.07	Cost of Chemical Component	Bed	LS	20.00
6	01.03.08	Preparation of potting mixture (b) 12.5 cm x 22.5 (5" x 9")	Bed	907.40	1542.58
7	01.03.09	Alignment of beds	Bed	7.20	7.20
8	01.03.11	Pricking out seedlings	Bed	134.03	227.85
9	01.03.12	Watering the plants (5 Months) a) Manually with rose cans or finely perforated	Bed	260.10	1300.50
10	01.03.13	Weeding the beds (1 weedings)	Bed	47.76	47.76
11	01.03.14	Shifting, Grading and re-arranging	Bed	223.07	223.07
12	01.03.15	Replacement of casualties	Bed	63.34	63.34
13	01.03.16	Cost of foliar nutrient formulations	Bed	40.00	40.00
14	01.03.17	Application of prophylastic foliar spray (By Nursery watcher)			0.00
15	01.03.18	Weeding in the space (4 weedings)		130.20	0.00
16		Watch and Ward (100 Beds) (5 Months) 5x 8340/100Beds		417.00	417.00
17		Electricity charges		200.00	200.00
		<b>Total</b>			<b>5976.28</b>
		add casualty 10%			597.63
		<b>Grand Total</b>			<b>6573.91</b>
		cost of each plant (1700 plants per bed)			3.87

District Forest Officer,  
Jagtial

- 283 -  
UNIT COST FOR MAINTENANCE OF BAG PLANTS (5"x9")

Sl. No.	FSR-2018-19 Code	Item of work	Unit	Rate	Amount
1	2	3	4	5	7
		Maintenance of Bag plants			
1	01.03.19	Watering poly bag twice a day (April to August) a) Mannually	Bed	260.10	1300.50
2	01.03.20	Weeding (2 weedings)	Bed	47.76	95.52
3	01.03.21	Shifting and grading (2 times)	Bed	223.07	446.14
		Electricity charges		200.00	200.00
		Watch and ward (5 months)		417.00	417.00
		Total			2459.16
		cost of each plant (1700 plants per bed)			1.45

District Forest Officer,  
Jagtial



- 285 -

**UNIT COST FOR CONVERSION FROM 5"x9" to 8"x12" (1000 plants)**  
**NOVEMBER TO MARCH**

Sl. No.	FSR-2018-19 Code	Item of work	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	7
		<b>Conversion of bags from 5x9 to 8x12</b>			
1	01.03.24	Cost & transportation of ingrediants for potting mixture up to 5.00 Kms.	1000 Bags	950.46	950.46
	01.03.25	Up to 5 Km. to 25 Km. (20 Kms)	1000 Bags	24.06	481.20
	01.03.26	Cost of Chemical Component	1000 Bags	LS	20.00
2	01.03.27 e	Preparation of potting mixture by powering of various ingredients 5"x9" to 8"x12" polybags	1000 Bags	1614.72	1614.72
3	01.03.32	Stakes	1000 Bags	2246.40	2246.40
4	01.03.33	Weeding the plants (47.76 x 2 x 1000 / 800)	1000 Bags	119.40	119.40
	01.03.34	Shifting, Grading (223.07 x 1000 / 800 )	1000 Bags	278.84	278.84
5	01.03.35 a	Watering the plants manually twice a day Manually with rose can (5 Months) (Nov to March)	1000 Bags	260.10	1300.05
	01.03.36	Application of prophylastic foliar spray (By Nursery			0.00
6	01.03.37	Cost of Fertilizers		LS	20.00
7	01.04.04	Watch and Ward (100 Beds) (5 Months)	1000 Bags	416.87	416.87
8		Cost of the ploythene bags 11.62 Kg. + 15% extra = 13.363 Kgs. @ 159	13.363	159.00	2124.72
9	01.03.39	Electricity charges		LS	400.00
		<b>Total</b>			<b>9972.66</b>
10	01.03.38	Contingencies @ 5%			299.18
		<b>Total</b>			<b>10271.84</b>
11		<b>Add 10% Casualty</b>			<b>1027.18</b>
		<b>Grand Total</b>			<b>11299.02</b>
12		<b>cost of each plant</b>			<b>11.30</b>

District Forest Officer,  
Jagtial

287

**UNIT COST FOR MAINTENANCE OF BAG PLANTS 8"x12" till disposal**

Sl. No.	FSR-2018-19 Code	Item of work	Unit	Rate (Rs.)	Amount (Rs.)
1	2	3	4	5	7
		<b>Maintenance of Bag plants</b>			
1	01.04.01	Watering poly bag (April to August) 5 Months	Bed	260.01	1300.05
2	01.04.02	Weeding	Bed	47.76	47.76
3	01.04.03	Shifting and grading (2 times)	Bed	233.07	466.14
4	01.04.05	Cost of fertilizers	As per actuals	LS	0.00
5	01.04.06	Cost and transportation of cow dung slurry	Bed	LS	25.00
6	01.04.07	Weeding in the space between the beds	Bed	26.30	26.30
7		Watch and ward (5 months) (8340x5/100beds)		416.87	416.87
		Electricity charges		LS	300.00
8	01.05.01	Watering the plants for 10 m X 1 m size secondary bed	Bed / month	157.79	1577.90
9	01.05.02	Shifting, grading and rearrangement in beds - 3 times	Bed/shifting	223.07	669.21
10		Watch and ward (5 months) (8340x5/100beds)		833.74	833.74
		<b>Total</b>			<b>5662.97</b>
11	01.04.08	Contingencies @ 5%			<b>283.15</b>
		<b>Grand Total</b>			<b>5946.12</b>
		<b>cost of each plant (800 Plants per bed)</b>			<b>7.43</b>

**Unit Cost for 2018-19**

Unit Cost for 2019-20

Unit Cost for 2020 -21

Unit Cost for 2021-22

**7.43**

8.17

8.99

9.89

  
District Forest Officer,  
Jagtial

- 289 -  
Advance Operations under Labour Intensive Method -1000 Plants/Ha

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
	<b>ADVANCE OPERATION (PRE-PLANTING OPERATION)</b>				
02.19.01	Survey with hand-held GPS and demarcation - one manday is allowed for assistance.	1	339.66	Plantation	340
02.01.02	Clearance unsalable unwanted jungle growth Spreading the cut material all over the site; and Burning the same twice till completely burnt.				
	(a) Sparse Jungle growth (<10% ground area)	0.40	1887.86	Ha	755
	(b) Very light jungle growth (>10% and upto 20%)	0.40	2837.66	Ha	1135
	(c) Light Junelg Growht (>20%)	0.20	5686.75	Ha	1137
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	5.55	Rmt	555
02.19.03	Alignment and stacking including demarcation of baseline				
	(a) 3x3 m espacement	1000	81.03	100 No's	810
02.19.04	Cost of preparation of stakes (0.45 m length) and transportation to site	1000	51.65	100 No's	517
02.19.05	Digging of pits during January to March				
	(b) (ii) 45 cm cube size (0.09113 cum) in hard gravelly and moram Soil (Manual)	1000	23.18	Each	23180
SSR	Transportation of earth to plantation site including loading and unloading beyond 5 Km - extra for every each Km. (15 Kms) (0.09113 cum per pit) (deduct 25%)	68	169.00	Cum	11551
			<b>Total</b>		<b>39980</b>
			Unit Rate for 2018-19		<b>39980</b>

0.091125

District Forest Officer,  
Jagtial



- 291 -

**Raising of Plantation under Labour Intensive Method -1000 Plants/Ha**

			1000	Unit area 1.00 Ha,	
FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
	<b>Planting Operations during raising year</b>				
02.02.01	Transportation of planting stock (including loading and unloading upto a distance of 5 Kms)				
	© 20 X 30 cm (8" x 12") bag plants	1000	190.84	100 Nos.,	1908.00
02.02.02	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance				
	20 X 30 cm (8"X12") bag plants	1000	148.60	100 Nos.,	1486.00
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)				
	(c) 20 X 30 cm (8"X12") bag plants	1000	74.40	100 Nos.,	744.00
02.02.04	Internal transportation to planting points on head loads				
	(c) 20 X 30 cm (8"X12") bag plants	1000	128.79	100 Nos.,	1288
	<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	1000	35.62	100 Nos.,	356
02.02.06	Cost of SSP, Chloridine dust (50 gm) or Chloropyriphos (1000 x Rs. 2/-)	As per actual	2000	Ha.	2000
02.02.08	Planting in 45 cm cubic pit	1000	396.80	100 Nos.,	3968
02.15.10	Cost of supporting stake of 2.5 m long sturdy and straight and minimum 10 cm girth at base	1000	1500.00	100 Nos.,	15000
02.02.09	Watering to the plants - 12 waterings	1000	2882.88	100 Nos.,	28829
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			
	45 cm cube size in hard gravelly and moram Soil (Manual)	200	11.59	Each	2318
	Transportation (Upto 5 Kms)	200	190.84	100 Nos.,	382
	Transportation (Upto 5 to 25 Kms)	200	148.60	100 Nos.,	297
	Transportation (Beyond 25 Kms)	200	74.40	100 Nos.,	149
	Internal transportation	200	128.79	100 Nos.,	258
	Planting in 45 cm cubic pit	200	396.80	100 Nos.,	794
02.02.11	Cost of DAP @ 25 gm / planting point	1000	0.70	Each	700
02.02.12	Application of fertilizer	1000	35.62	100 Nos.,	356
02.02.13	1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant after 30 days of planting (i.e. July - Aug)	1000	113.34	100 Nos.,	1133
02.02.14	2 <sup>nd</sup> circular weeding to a radius of 0.50 m around the plant 90 days after planting (i.e. Sept - Oct)	1000	113.34	100 Nos.,	1133

-293-

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
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	1000	595.23	100 Nos.,	5952
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)				
	(b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle.)	1	1327.25	Ha.	1327
02.09.24	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation;	1	5919.09	Ha	5919
			Total		76297
		Unit Rate for 2018 -19			76297

  
District Forest Officer,  
Jagtial



-295-

1st year maintenance of Plantation under Labour Intensive Method -1000 Plants/Ha

1000

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
01.03.05	Cost of transportation of soil mixtue for filling the pit and spreading around the pit - 25 % of pit - 0.25 x 0.45 cm x 0.45 cm x 0.45 cm	22.825	310.86	cum	7095
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.	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			
	45 cm cube size (0.216 cum) in hard gravelly and moram Soil (Manual)	250	23.18	Each	5795
	Transportation (Upto 5 Kms)	250	190.84	100 Nos.,	477
	Transportation (Upto 5 to 25 Kms)	250	148.60	100 Nos.,	372
	Transportation (Beyond 25 Kms)	250	74.40	100 Nos.,	186
	Internal transportation	250	128.79	100 Nos.,	322
	Planting in 45 cm cubic pit	250	396.80	100 Nos.,	992
02.02.11	Cost of DAP @ 25 gm / planting point	1000	0.70	Each	700
02.02.09	Watering to the plants - 8 times	1000	1921.92	100 Nos.,	19219
02.03.02	1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant after 30 days of planting (i.e. July - Aug)	1000	113.34	100 Nos.,	1133
02.03.03	2 <sup>nd</sup> circular weeding to a radius of 0.50 m around the plant 90 days after planting (i.e. Sept - Oct)	1000	113.34	100 Nos.,	1133
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	1000	595.23	100 Nos.,	5952
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)				
	(b) High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle.)	1	1327.25	Ha.	1327
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1000	112.69	100 Nos.,	1127
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	400	551.70	100 Rmt	2207
02.10.09	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation;	1	7892.12	Ha	7892
			Total		55929
		Unit Rate for 2018 -19			55929

District Forest Officer,  
Jagtial

- 297 -

2nd year maintenance Plantatation under Labour Intensive Method -1000 Plants/Ha

1000

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.02.11	Cost of DAP @ 25 gm / planting point	1000	0.70	Each	700
02.04.01	1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant after 30 days of planting (i.e. July - Aug)	1000	113.34	100 Nos.,	1133
02.04.02	2 <sup>nd</sup> circular weeding to a radius of 0.50 m around the plant 90 days after planting (i.e. Sept - Oct)	1000	113.34	100 Nos.,	1133
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	1000	595.23	100 Nos.,	5952
02.04.04	Cutting of coppice growth				
	High rainfall zone > 800 mm (for Warangal, Khammam & Adilabad Circle.)	1	1327.25	Ha.	1327
02.03.06	Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height during October	1000	112.69	100 Nos.,	1127
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	400	551.70	100 Rmt	2207
02.02.20	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation;	1	7892.12	Ha	7892
			Total		21471
			Unit Rate for 2018 -19		21471

District Forest Officer,  
Jagtial

2-301-

3rd year maintenance Plantatation under Labour Intensive Method -1000 Plants/Ha

FSR Item No.	Description	1000				Unit area 1.00 Ha,
		Quantity	Rate (Rs.)	Per	Amount (Rs.)	
02.04.01	1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant after 30 days of planting (i.e. July - Aug)	1000	113.34	100 Nos.,	1133	
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	1000	595.23	100 Nos.,	5952	
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1000	112.69	100 Nos.,	1127	
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	400	551.70	100 Rmt	2207	
02.04.06	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation;	1	7892.12	Ha	7892	
			Total		18311	
		Unit Rate for 2018 -19				18311

District Forest Officer,  
Jagtlal



**4th year maintenance Plantatation under Labour Intensive Method with -1000 Plants/Ha**

Unit area 1.00 Ha,

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.04.01	1 <sup>st</sup> circular weeding to a radius of 0.50 m around the plant after 30 days of planting (i.e. July - Aug)	1000	113.34	100 Nos.,	1133
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	1000	595.23	100 Nos.,	5952
02.03.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height during October	1000	112.69	100 Nos.,	1127
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	400	551.70	100 Rmt	2207
02.11.05	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation;	1	7892.12	Ha	7892
			<b>Total</b>		<b>18311</b>
Unit Rate for 2018 -19					<b>18311</b>

District Forest Officer,  
Jagtial

-305-

5th year maintenance Plantatation under Labour Intensive Method -1000 Plants/Ha

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	1000	113.34	100 Nos.,	1133
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	1000	595.23	100 Nos.,	5952
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	400	551.70	100 Rmt	2207
			Total		9292
		Unit Rate for 2018 -19			9292

  
District Forest Officer,  
Jagtial

- 307 -

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 NTFP species by sciculture upto 1/3 rd height during October	1000	112.69	100 Nos.,	1127
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	400	551.70	100 Rmt	2207
			<b>Total</b>		<b>3334</b>
		Unit Rate for 2018 -19			<b>3334</b>

  
District Forest Officer,  
Jagtial



- 309 -

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	1000	595.23	100 Nos.,	5952
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	400	551.70	100 Rmt	2207
			Total		8159
Unit Rate for 2018 -19					8159

  
District Forest Officer,  
Jagtial

- 311 -

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	1000	112.69	100 Nos.,	1127
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	400	551.70	100 Rmt	2207
			Total		3334
		Unit Rate for 2018 -19			3334

  
District Forest Officer,  
Jagtial

- 313 -

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	1000	595.23	100 Nos.,	5952
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	400	551.70	100 Rmt	2207
			Total		8159
		Unit Rate for 2018 -19			8159

  
District Forest Officer,  
Jagtial



- 315 -

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 scicature upto 1/3 rd height during October	1000	112.69	100 Nos.,	1127
03.05.01	Maintenance of fire lines (5.00 mtr width) including cutting back of rank growth and burning - propotionate cost - 0.60 times	400	551.70	100 Rmt	2207
			Total		3334
			Unit Rate for 2018 -19		3334

  
District Forest Officer,  
Jagtial

317-

**DETAILED CUM ABSTRACT ESTIMATE**

**Estimate for Errection of GI chainlink fencing along with RCC poles around Sy.No.479 of Jabithapur (V) of Jagtial (M) to an extent of 12.12 Ha. CA NFL area at Range: Jagtial, District: Jagtial During the year 2018-19.**

Length 2340 Mtrs Esp pole to pole: 3.00 Mts  
Support poles Every 15M esp: 2Nos)

2340 780 Nos.  
312 Nos.  
1092 Nos.

**Total Poles**

Sl. No	Description of work	Nos	L	B	D	Qty	Rate	Per	Amount
1	Clearing of the area for chainlink fencing with the help of Dozer (D50) Sl.No.2 of Hire charges of machinery vide ssr 2018-19 Page No. 65. (2340 x 3 Mt = 7020.)					7020	3.50	Sqm	24570
2	Supplying, fitting and placing Mild steel bar reinforcement complete as per drawings and technical specifications for bars below 36mm dia including over laps and wastage, where they are not welded including cost and conveyance of steel, binding wire etc., lifting charges of steel, placing in position, tying with binding wire, all tools etc., and the complete for finished item of work.								
	<b>Fencing Cement poles: 8 mm dia bars</b>								
	Per pole: 4 Nos:	4	2.10	9173	Rmt	3577	66.65	Kg	238407
	<b>Fencing Cement poles: 6 mm dia bars</b>								
	Stirrups: Per pole 10Nos	10	0.65	7098	Rmt	1554	64.26	Kg	99860
3	RCC M- 20 Nominal mix (Cement: fine aggregate: coarse aggregate) corresponding								
	RCC poles	780	0.15	0.15	2.10	36.86			
	RCC poles: Support	312	0.15	0.15	2.10	14.74			
						51.60	9922.89	Cum	511991
4	Earth work excavation for foundation in ordinary rock soil etc, complete								
	RCC poles	780	0.30	0.30	0.60	42.12			
	RCC poles: Support	312	0.30	0.30	0.30	8.42			
						50.54	236.32	Cum	11945
5	Plain Cement concrete (1:3:6) using 40 mm size HG metal with hand mixing								
	RCC poles	780	0.30	0.30	0.60	42.12			
	RCC poles: Support	312	0.30	0.30	0.30	8.42			
						50.54			
	RCC poles	780	0.15	0.15	0.60	10.53			
	RCC poles: Support	312	0.15	0.15	0.30	2.11			
						12.64			
						37.91	4031.17	Cum	152814
6	Supply and fixing of Hot dipped Galvanised iron Chainlink mesh size 63x63 MM-8								
	Length	1x1	2340		1.50	3510			
						3510	400.40	Sqm	1405404
7	Cost of GI Wire for fixing of Chainlink mesh (Top & Bottom) (TBSC-K-II-23) 2					2340	11.00	Rmt	51480
8	Plain Cement concrete (1:2:4) using 20 mm size HG metal with hand mixing								
	Along chainlink fencing above GL	1x1	2340	0.25	0.15	87.75			
	Deduct: RCC poles	1092	0.15	0.15	0.15	3.69			
						84.06	5469.11	Cum	459758
9	Supplying and Fixing of Nuts and Bolts						As per actuals		150000
10	Preparation and Fixing of RCC Gate Pillars (2Nos) with Gate (Iron square pipes in various sizes) including fabrication charges etc., complete						As per actuals		150000
									3256229
					Add : CGST - 6%				195374
					Add : SGST - 6%				195374
					CESS - 1%				32562
							<b>TOTAL :</b>		3679538
							or Say		3680000