

SCHEME PROPOSAL FOR RAISING OF COMPENSATORY AFFORESTATION FOR TO BE FEELING TREES IN DIVERSION AREA FOR 98 Nos. IN COMPT., No743 OF SURABHI RF OF SURABHI BEAT OF GUVVALACHERUVU SECTION OF RAYACHOTY RANGE (111X10 TIMES=1110 NOS) IN LIEU OF DIVERSION OF 0.76 Ha. OF FOREST LAND FOR WIDENIGN OF ROAD TO TWO LANE WITH PAVED SHOULDERS BETWEEN RAYACHOTY TO VEMPALLI SECTION, NEW DECLARED NH-440 FROM 0/0 TO 53/600 IN THE STATE OF ANDHRA PRADESH UNDER EPC MODE IN FAVOUR OF EXECUTIVE ENGINEER (R&B), NH DIVISION, KADAPA FALLING IN RAYACHOTY RANGE OF KADAPA DIVISION

Sl No.	Description	2023-24			2024-25			2025-26			2026-27			2027-28			2028-29		
		Unit rate	Phy	Fin	Unit rate	Phy	Fin	Unit rate	Phy	Fin	Unit rate	Phy	Fin	Unit rate	Phy	Fin	Unit rate	Phy	Fin
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Raising of Nurseries in Nos	26400	1221	0.322	29040	278	0.081	31944	278	0.089	0		0			0			0
2	Maintenance of Nurseries in Nos			0	5325	1221	0.065	5858	278	0.016	6443	278	0.018	0		0			0
3	Advance operations in Ha.	48400	1.000	0.484			0			0			0			0			0
4	Raising of Plantations in Ha.	116600	1.000	1.166	0	0	0			0			0			0			0
5	1st year maintenance in Ha.			0	88330	1.000	0.883	0	0	0			0			0			0
6	2nd year maintenance in Ha.			0			0	39900	1.000	0.399	0	0	0			0			0
7	3rd year maintenance in Ha.			0			0			0	27800	1.000	0.278	0	0	0			0
8	4th year maintenance in Ha.			0			0			0			0	29000	1.000	0.290	0	0	0
9	5th year maintenance in Ha.			0			0			0			0			0	24900	1.000	0.249
10	6th year maintenance in Ha.			0			0			0			0			0			0
11	7th year maintenance in Ha.			0			0			0			0			0			0
12	8th year maintenance in Ha.			0			0			0			0			0			0
13	9th year maintenance in Ha.			0			0			0			0			0			0
14	10th year maintenance in Ha.			0			0			0			0			0			0
	Total (Plantation)			1.972			1.029			0.504			0.296			0.290			0.249
15	Brush wood fencing around the planting area: Thorny fencing with sturdy thorn material of 10 cm. girth (at the butt end) and fixing in crow bar holes and strengthening with stone packing. The average height of fence should be 1.5m and fencing materials in Rmt	39.545	400	0.158	15.336	400	0.061	46.735	400	0.187			0			0			0
16	Digging of CCTs			0			0			0			0			0	441	125	0.551

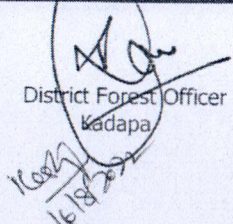
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Sl No.	Description	2029-30			2030-31			2031-32			2032-33			2033-34			Total	
		Unit rate	Phy	Fin	Unit rate	Phy	Fin	Unit rate	Phy	Fin	Unit rate	Phy	Fin	Unit rate	Phy	Fin	Phy	Fin
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	39	40
1	Raising of Nurseries			0			0			0			0			0	1777	0.492
2	Maintenance of Nurseries			0			0			0			0			0	1777	0.099
3	Advance operations			0			0			0			0			0	1.000	0.484
4	Raising of Plantations			0			0			0			0			0	1.000	1.166
5	1st year maintenance			0			0			0			0			0	1.000	0.883
6	2nd year maintenance			0			0			0			0			0	1.000	0.399
7	3rd year maintenance			0			0			0			0			0	1.000	0.278
8	4th year maintenance			0			0			0			0			0	1.000	0.290
9	5th year maintenance			0			0			0			0			0	1.000	0.249
10	6th year maintenance	27400	1.000	0.274			0			0			0			0	1.000	0.274
11	7th year maintenance			0	30100	1.000	0.301			0			0			0	1.000	0.301
12	8th year maintenance			0			0	33100	1.000	0.331			0			0	1.000	0.331
13	9th year maintenance			0			0			0	36400	1.000	0.364			0	1.000	0.364
14	10th year maintenance			0			0			0			0	40000	1.000	0.400	1.000	0.400
	<b>Total (Plantation)</b>			<b>0.274</b>			<b>0.301</b>			<b>0.331</b>			<b>0.364</b>			<b>0.400</b>	<b>1.000</b>	<b>6.010</b>
15	Brush wood fencing around the planting area: Thorny fencing with sturdy thorn material of 10 cm. girth (at the butt end) and fixing in crow bar holes and strengthening with stone packing. The average height of fence should be 1.5m and fencing materials in Rmt			0			0			0			0			0		0.406
16	Digging of CCTs			0			0			0			0			0		0.551

Sl No.	Description	2023-24			2024-25			2025-26			2026-27			2027-28			2028-29		
		Unit rate	Phy	Fin	Unit rate	Phy	Fin	Unit rate	Phy	Fin	Unit rate	Phy	Fin	Unit rate	Phy	Fin	Unit rate	Phy	Fin
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
17	Digging of ponds up to 1.00 depth proposed rate as per cum as per RSSR for 2022-23) (15m length x15 width x1m depth = 225 cum per 1 pondx318.25=0.716 lakhs) - Add 10% extra rate for 2023-24	0.796	1	0.796			0			0			0			0			0
18	Administrative cost 10% on the Plantation cost like Repairs and replacement of Government Buildings / Maintenance of Computers and Government Vehicles / POL/Office support and other Miscellaneous expenses etc.			0.293			0.109			0.069			0.030			0.029			0.080
	GRAND TOTAL			3.219			1.199			0.760			0.326			0.319			0.880

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Sl No.	Description	2029-30			2030-31			2031-32			2032-33			2033-34			Total	
		Unit rate	Phy	Fin	Unit rate	Phy	Fin	Unit rate	Phy	Fin	Unit rate	Phy	Fin	Unit rate	Phy	Fin	Phy	Fin
1	2	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	39	40
17	Digging of ponds up to 1.00 depth proposed rate as per cum as per RSSR for 2022-23) (15m length x15 width x1m depth = 225 cum per 1 pondx318.25=0.716 lakhs) - Add 10% extra rate for 2023-24			0			0			0			0			0		0.796
18	Administrative cost 10% on the Plantation cost like Repairs and replacement of Government Buildings / Maintenance of Computers and Government Vehicles / POL/Office support and other Miscellaneous expenses etc.			0.027			0.030			0.033			0.036			0.040		0.776
	GRAND TOTAL			0.301			0.331			0.364			0.400			0.440		8.540

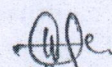
  
District Forest Officer  
Kadapa

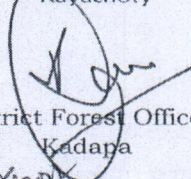
251

## Data for Raising of Primary Bed of size 1 x 1 x 0.3 M

Sl. No	Quantity	Description of work	FSR Item No.	Rate as per FSR for the year 2022-23	Per	Amount
1	2	3	4	5	6	7
1	1 No.	Preparation of New site - by clearing misceleneous unvaible Jungle growth, uprootal of stumps and removal of surface stones, pebbles etc.,	01-02-001	7.12	Bed	7.12
2	1 No.	Digging soil to a depth of 30 cm. (as per CSSR )	01-02-003	52.74	Bed	52.74
3	1 No.	Cost of sandy soil 50% of dugged quantity and transportation taken from private lands, with 5 kms lead loading and unloading charges by mannual means (Sandy soil and FYM. in 5:1 proprtion) 0.125 cum per bed	01-02-004	43.23	Bed	43.23
4	1 No.	Cost and transport of Farm yard manure (Sandy soil and FYM. in 5:1 proprtion) 0.025 cum per bed.	01-02-005	250.00	Bed	250.00
5	1 No.	Preparation of soil mixture of red earth/sand and farm yard manure in 5:1 proportion and formation of bed by refilling the excavated portion of the bed and filling of bed.	01-02-006	14.72	Bed	14.72
6	1 No.	Cost of seed	01-02-007	200.00	Kg	200.00
7	1 No.	Sowing of seed and covering the bed with hay including cost and conveyance to a thickness of 2.5 cm.	01-02-008	16.74	Bed	16.74
8	1 No.	Watering the primary nursery beds with rose water cans for a maximum period of 2 months.	01-02-009	18.79	Bed/ month	37.58
9	1 No.	Weeding the primary beds. Maximum of 2 times	01-02-010	2.78	Bed/ month	5.56
10		Contingencies				72.31
		<b>Total:-</b>				<b>700.00</b>

Per 1000 Nos.

  
 Forest Range Officer  
 Rayachoty

  
 District Forest Officer  
 Kadapa

11/4/24  
 13/8/24

**Data for Raising of Miscellaneous Species nursery in 4"x7" Bag plants for 1000 Nos**

Sl. No	Quantity	Description of work	FSR Item No.	Rate as per FSR for the year 2022-23	Per	Amount
1	2	3	4	5	6	7
1	1000	Site preparation for new site ( $71.86/2600 \times 1000 = 27.64$ )	01-03-001	71.86	Per Bed	27.64
		Cost and transport of ingredients for Potting mixture Red Soil and Clayey Soil in 2:1 ratio. (as per CSSR 2011-12)				
2	1000	10 cm X 17.5 cm (4" X 7") - 0.56 cum.	01-03-003	193.97	1000.00	193.97
		Preparation of potting mixture Red Soil and Clayey Soil in 2:1 ratio by powdering of various ingredients, sieving and mixing them in the prescribed proportion, Opening the bags and filling with potting mixture and gently pressing the same with finger tip and arranging in beds.				
3	1000	10 cm X 17.5 cm (4" X 7") - 0.56 cum.	01-03-008	589.48	1000.00	589.48
4	3.01 Kgs	Cost of Polythene bags	01-03-013	155.00	Kg	466.55
5		Cost of Primary Bed	As per data	700.00	Bed	700.00
6	1000	Picking out seedlings from primary beds and transplanting in bags.	01-03-014	191.05	1000.00	191.05
7	1000	Watering the plants twice a day for 10 m X 1 m size bed (2600 4" X 7" bags; 1700 5" X 9" bags ; 1100 6"X12" bags and 800 8"X12" bags) for 5 months ( $353.15/2600 \times 1000 = 135.83$ )	01-03-016	353.15	Per bed/month	679.15
8	1000	Weeding only two times for 10 m X 1 m size bed (2600 4" X 7" bags; 1700 5" X 9" bags ; 1100 6"X12" bags and 800 8"X12" bags) ( $68.08/2600 \times 1000 = 26.18$ )	01-03-017	68.08	Per bed/weeding	72.36

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Sl. No	Quantity	Description of work	FSR Item No.	Rate as per FSR for the year 2022-23	Per	Amount
1	2	3	4	5	6	7
9	1000	Shifting and grading and re-arranging in beds for 2 times for 10 m X 1 m size bed (2600 4" X 7" bags; 1700 5" X 9" bags ; 1100 6"X12" bags and 800 8"X12" bags) (312.10/2600x1000=130.04)	01-03-018	312.10	Per bed/shifting	240.08
10	1000	Cost of chemicals, insecticides, pesticides etc.,	01-03-019		As per actuals	500.00
11	1000	Cost of cow dung slurry	01-03-023		As per actuals	1500.00
12	1000	Application of cow dung slurry	01-03-024	282.78	1000/ per time	848.34
13	1000	Watch and Ward for 5 months	01-03-030	1235.00	1000 Nos	1235.00
14	14	Brush wood fencing around the Nursery Site	01-03-029	35.95	Rmt	503.30
15		Contingencies				953.08
		<b>Total:-</b>				<b>8700.00</b>

Per 1000 Nos.

Forest Range Officer  
Rayachoty

District Forest Officer  
Kadapa

18/12/2021


## Data for Raising of Miscellaneous Species nursery in 8"x12" Bag plants for 1000 Nos

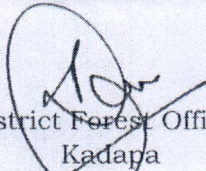
Sl. No	Quantity	Description of work	FSR Item No.	Rate as per FSR for the year 2022-23	Per	Amount
1	2	3	4	5	6	7
		Cost and transport of ingredients for Potting mixture Red Soil and Clayey Soil in 2:1 ratio. (as per CSSR 2011-12)				
1	1000	20 cm X 30 cm (8" X 2") - (3.82 - 0.56) cum.	01-03-007	1129.99	1000.00	1129.99
		Preparation of potting mixture Red Soil and Clayey Soil in 2:1 ratio by powdering of various ingredients, sieving and mixing them in the prescribed proportion, Opening the bags and filling with potting mixture and gently pressing the same with finger tip				
2	1000	20 cm X 30 cm (8" X 2") - (3.82 - 0.56) cum.	01-03-012	3249.85	1000.00	3249.85
3	11.63 Kgs	Cost of Polythene bags	01-03-013	155.00	Kg	1802.65
4	1000	Cost of 4 x7 bag plants	As per data	8700.00	1000.00	8700.00
5	1000	Watering the plants twice a day for 10 m X 1 m size bed (2600 4" X 7" bags; 1700 5" X9" bags ; 1100 6"X12" bags and 800 8"X12" bags) for 5 months (353.15/800x1000=441.438)	01-03-016	353.150	Per bed / per month	2207.19
6	1000	Weeding only two times for 10 m X 1 m size bed (2600 4" X 7" bags; 1700 5" X9" bags ; 1100 6"X12" bags and 800 8"X12" bags) (68.08/800x1000=26.18)	01-03-017	68.08	Per bed/ weeding	52.36
7	1000	Shifting and grading and re-arranging in beds for 1 time for 10 m X 1 m size bed (2600 4" X 7" bags; 1700 5" X9" bags ; 1100 6"X12" bags and 800 8"X12" bags) (312.10/800x1000=390.125)	01-03-018	312.10	Per bed/ per shift	390.13

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Sl. No	Quantity	Description of work	F5R Item No.	Rate as per F5R for the year 2022-23	Per	Amount
1	2	3	4	5	6	7
8	1000	Cost of chemicals, insecticides, pesticides etc.,	01-03-019		As per actuals	1000.00
9	1000	Cost of cow dung slurry	01-03-023		As per actuals	1500.00
10	1000	Application of cow dung slurry	01-03-024	282.78	1000 Nos / per time	848.34
11	1000	Watch and Ward	01-03-030	1235.00	1000 No.	1235.00
12	14	Brush wood fencing around the Nursery Site	01-03-029	35.95	Rmt	503.30
13		Contingencies				1381.19
		<b>TOTAL:</b>				<b>24000.00</b>

Add 10% extra rate for 2023-24 - 26400  
Add 10% extra rate for 2024-25 - 29040  
Add 10% extra rate for 2025-26 - 31944

  
Forest Range Officer  
Rayachoty

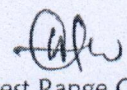
  
District Forest Officer  
Kadapa

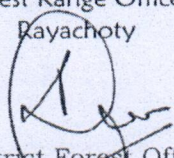
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**Data for Maintenance of Miscellaneous Species nursery in 8"x12" Bag plants for 1000 Nos**

Sl. No	Quantity	Description of work	FSR Item No.	Rate as per FSR for the year 2022-23	Per	Amount
1	2	3	4	5	6	7
1	1000	Watering the plants twice a day for 10 m X 1 m size bed (2600 4" X 7" bags; 1700 5" X9" bags ; 1100 6"X12" bags and 800 8"X12" bags) for 4 months (from April to July) (353.15/800x1000=441.44)	01-03-016	353.15	Per bed / per month	1765.76
2	1000	Watering the plants twice a day for 10 m X 1 m size bed (2600 4" X 7" bags; 1700 5" X9" bags ; 1100 6"X12" bags and 800 8"X12" bags) for 1 month (Aug) (176.58/800x1000=220.73)	01-03-016	176.58	Per bed / per month	220.73
3	1000	Weeding maximum four times for 10 m X 1 m size bed (2600 4" X 7" bags; 1700 5" X9" bags ; 1100 6"X12" bags and 800 8"X12" bags) (68.08/800x1000=85.10)	01-03-017	68.08	Per bed/ weeding	340.40
4	1000	Shifting and grading and re-arranging in beds maximum two times for 10 m X 1 m size bed (2600 4" X 7" bags; 1700 5" X9" bags ; 1100 6"X12" bags and 800 8"X12" bags) (312.10/800x1000=390.125)	01-03-018	312.10	Per bed/ per shift	390.13
5	1000	Cost of cow dung slurry	01-03-023		As per actuals	700.00
6	1000	Application of cow dung slurry	01-03-024	282.78	1000 Nos / per time	848.34
7	1000	Watch and Ward	01-03-030	35.95	1000 No.	35.95
8		Contingencies	01-03-027			99.64
		<b>Rate for 2022-23</b>			<b>TOTAL</b>	<b>4400.95</b>

Add 10% extra rate for 2023-24 - 4841  
Add 10% extra rate for 2024-25 - 5325  
Add 10% extra rate for 2025-26 - 5858  
Add 10% extra rate for 2026-27 - 6443

  
Forest Range Officer  
Rayachoty

  
District Forest Officer  
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16/5/2022  
13/5/2022

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# **Data Sheet for Advance operations - SMM plantation for 1 Ha.**

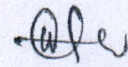
Espacement : 3 Mt x 3 Mt, Unit - 1 Ha

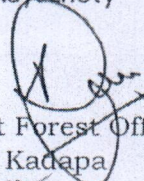
SI No.	Quantity	Unit	Item of Work	2022-23 FSR Item No.	Rate	Per	Amount
1	2	3	4	5	6	7	8
1	1	Ha	Survey with GPS (Only staff to carry out) one manday is allowed for assistance	02-02-001	275.53	Plantation	275.53
			Preparation of site for planting by clearing thorny unsaleable, unusable jungle growth, creepers, bushes etc. spreading the cut material all over the site and burning the same.				
2	1	Ha	Light Jungle growth (> 20% and upto 30% ground area covered with Jungle growth)	02-02-004	8105.55	Ha.	8105.55
			Uprootal of stumps to a depth of 45 cm (excluding unsuitable patches) with heavy machinery fitted with 0.90 cum and above capacity bucket, filling the pits caused by uprootal and leveling.				
3	1	Ha	Light Jungle growth (> 20% and upto 30% ground area covered with Jungle growth)	02-02-009	21623.65	Ha.	21623.65
			Collection and removal of uprooted stumps of all sizes, other debris etc to outside the plantation site.				
4	1	Ha	Light Jungle growth (> 20% and upto 30% ground area covered with Jungle growth)	02-02-013	13288.12	Ha.	13288.12
	LS	Nos	Contingencies for unforeseen items like plantation Boards, stationery etc.				707.15
			<b>Rate for 2022-23</b>		<b>TOTAL</b>		<b>44000.00</b>

Add 10% extra rate for 2023-24 - 48400

Add 10% extra rate for 2024-25 - 53240

Add 10% extra rate for 2025-26- 58564

  
Forest Range Officer  
Rayachoty

  
District Forest Officer  
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11/4/24  
13/4/24

### Data Sheet for Raising of Plantation - SMM plantation for 1 Ha.

Sl.N o.	Quantity	Unit	Item of Work	2022-23 FSR Item No.	Rate	Per	Amount
1	2	3	4	5	6	7	8
			<b>Raising of Plantations</b>				
1	1	Ha	Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough. (untilled Areas) - HG soils	02.02.020	7263.38	Ha	7263.38
2	1	Ha	Removing congestion of root suckers and other uprooted material hindering the effective ploughing (For Non-tilled Areas Only)	02.02.024	1356.84	Ha	1356.84
3	1111	Nos	Alignment and staking including base line for misc. species with espacement	02-03-003	108.15	100 Nos.	1201.55
4	1111	Nos	Cost of 0.45 M Stake preparation and transportation to site.	02-03-005	70.43	100 Nos.	782.48
5	1111	Nos	Digging of 45 Cm3 pits in ploughed area	02-03-027	11.88	Each	13198.68
6	1111	Nos	Transport of 8"x 12" size bag plants from nursery site to plantation site including loading and unloading over a lead of 50 Km	02-03-010 & 02-03-015	914.45	100 Nos.	10159.54
7	1111	Nos	Internal Transport of seedlings to planting points	02.03.020	183.58	100 Nos.	2039.57
8	1111	Nos	Planting seedlings in 45 Cm3 pits	02.03.034	565.53	100 Nos.	6283.04
9	22	Kgs	Cost of Chemical fertilizers (50 grams SSP for basal dressing, 20 grm DAP after planting)	02.03.031	50.00	Per Kg	1100.00
10	1111	Nos	Application of fertilizers after planting by making 3 holes of 10 cmts depth with crow bar. 10 cmts away from plant and putting fertilizer and closing	02.03.032	50.79	100 Nos.	564.28
11			<b>Replacement of casualties - 20%</b>				
12	222	Nos	Reopening of 45cm <sup>3</sup> pits 50% of Original rate	02-03-027	5.94	Each	1318.68
13	222	Nos	Transport of 8"x 12" size bag plants from nursery site to plantation site including loading and unloading over a lead of 50 Km	02-03-010 & 02-03-015	914.45	100 Nos.	2030.08
14	222	Nos	Internal Transport of seedlings to planting points	02.03.020	183.58	100 Nos.	407.55
15	222	Nos	Planting seedlings in 45 Cm3 pits	02.03.034	565.53	100 Nos.	1255.48
16	0.67	Ha	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in black clayey soils & Bouldary soils (2/3rd of deep ploughing rate of Hard Gravelly soils) in un-tilled areas)	02-03-045	4841.52	Ha	3243.82
17	1111	Nos	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil alround the plant to 10cm wide but weeding that part of area by hand and formation of saucer	848.29	848.29	100 Nos.	9424.50

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SLN o.	Quantity	Unit	Item of Work	2022-23 FSR Item No.	Rate	Per	Amount
1	2	3	4	5	6	7	8
18	1111	Nos	Provision for waterign to the plantations raised under CAMPA-CA maximum 10 waterings under raising and maintenance years during non-rainy months without exceeding the approved unit cost in the respective projects subject to obtain the prior permission of PCCF, AP, Guntur as per Special Condition No.56 of Kurnool Circle FSR.	02.03.057	3.87	Plant	42995.70
19	100	Rmt	Creation of Fire lines 3 mts wide	02-03-049	7.88	RMT	788.00
20	1111	Nos	Enumeration of survivals 10% to survivals and 5% height once in November after growing season and once in March in dry season.	02.03.054	30.29	100 Nos.	336.52
21	1111	Nos	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	02.03.050	160.55	100 Nos.	1783.71
22	1	Ha	Cutting of coppice growth flush to the ground over the entire area including retaining useful species just after planting and placing the cut material in between the planting rows. <b>Low rainfall zone &lt; 800 mm</b>	02.03.047	1261.05	Ha	1261.05
23	LS	Nos	Contingencies for unforeseen items				5825.78
<b>Rate for 2022-23</b>				<b>TOTAL</b>			<b>106000.00</b>

Add 10% extra rate for 2023-24 - 116600  
Add 10% extra rate for 2024-25 - 128260  
Add 10% extra rate for 2025-26 - 142420  
Add 10% extra rate for 2026-27 - 156660  
Add 10% extra rate for 2027-28 - 172300

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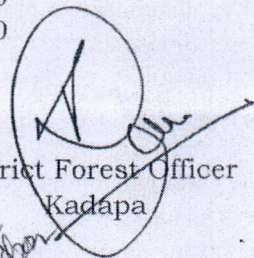
### Data Sheet for 1st year maintenance of Plantation - SMM for 1 Ha.

SLN o.	Quantity	Unit	Item of Work	2022-23 FSR Item No.	Rate	Per	Amount
1	2	3	4	5	6	7	8
			<b>Replacement of casualties - 25%</b>				
1	278	Nos	Digging of 45 Cm3 pits in ploughed area	02.03.027	11.88	Each	3302.64
2	278	Nos	Transport of 8"x 12" size bag plants from nursery site to plantation site including loading and unloading over a lead of 50 Km	02-03-010 & 02-03-015	914.45	100 Nos.	2542.17
3	278	Nos	Internal Transport of seedlings to planting points	02.03.020	183.58	100 Nos.	510.35
4	278	Nos	Planting seedlings in 45 Cm3 pits	02.03.034	565.53	100 Nos.	1572.17
5	0.67	Ha.	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in black clayey soils & Bouldary soils (2/3rd of deep ploughing rate of Hard Gravelly soils) in un-tilled areas)	02-04-004	4841.52	Ha	3243.82
6	1111	Nos	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil alround the plant to 10cm wide but weeding that part of area by hand and formation of saucer	02-04-007	848.29	100 Nos.	9424.50
7	100	Rmt	Creation of Fire lines 3 mts wide	02-04-008	7.88	RMT	788.00
8	1111	Nos	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	02.04.010	160.55	100 Nos.	1783.71
9	1	Ha	Enumeration of survivals, pest control, labour amenities, Sharpening of tools etc.	02.04.011	164.92	Ha	164.92
10	1111	Nos	Provision for waterign to the plantations raised under CAMPA-CA maximum 10 waterings under raising and maintenance years during non-rainy months without exceeding the approved unit cost in the respective projects subject to obtain the prior permission of PCCF, AP, Guntur as per Special Condition No.56 of Kurnool Circle FSR.	02.03.057	3.87	Plant	42996

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Sl.N o.	Quantity	Unit	Item of Work	2022-23 FSR Item No.	Rate	Per	Amount
1	2	3	4	5	6	7	8
11	1	Ha	Cutting of coppice growth flush to the ground over the entire area including retaining useful species just after planting and placing the cut material in between the planting rows. Low rainfall zone < 800 mm	02.04.012	1261.05	Ha	1261.05
12	22	Kgs	Cost of DAP @ 20 Grams per plant and Chemicals	02.03.031	50.00	Per Kg	1100.00
13	1111	Nos	Application of fertilizers after planting by making 3 holes of 10 cms depth with crow bar. 10 cms away from plant and putting fertilizer and closing	02.03.032	50.79	100 Nos.	564.28
14	LS	Nos	Contingencies for unforeseen items				3746.69
			<b>Rate for 2022-23</b>	<b>TOTAL</b>			<b>73000.00</b>

Add 10% extra rate for 2023-24 - 80300  
 Add 10% extra rate for 2024-25 - 88330  
 Add 10% extra rate for 2025-26 - 103800  
 Add 10% extra rate for 2026-27 - 114200  
 Add 10% extra rate for 2027-28 - 125600  
 Add 10% extra rate for 2028.09 - 138200  
 Add 10% extra rate for 2029.30 - 152000  
 Add 10% extra rate for 2030.-31 - 167200

  
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**Data Sheet for 2nd year maintenance of Plantation - SMM for 1 Ha.**

Sl. No.	Quantity	Unit	Item of Work	2022-23 FSR Item No.	Rate	Per	Amount
1	2	3	4	5	6	7	8
			<b>Replacement of casualties - 25%</b>				
1	278	Nos.	Digging of 45 Cm <sup>3</sup> pits in ploughed area	02.03.027	11.88	Each	3302.64
2	278	Nos	Transport of 8"x 12" size bag plants from nursery site to plantation site including loading and unloading over a lead of 50 Km	02-03-010 & 02-03-015	914.45	100 Nos.	2542.17
3	278	Nos	Internal Transport of seedlings to planting points	02.03.020	183.58	100 Nos.	510.35
4	278	Nos	Planting seedlings in 45 Cm <sup>3</sup> pits	02.03.034	565.53	100 Nos.	1572.17
5	1111	Nos	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer	02.05.002	848.29	100 Nos.	9424.50
6	0.67	Ha.	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in black clayey soils & Bouldary soils (2/3rd of deep ploughing rate of Hard Gravelly soils) in un-tilled areas)	02.05.006	4841.52	Ha	3243.82
7	1	Ha	Cutting of coppice growth flush to the ground over the entire area including retaining useful species just after planting and placing the cut material in between the planting rows. Low rainfall zone < 800 mm	02.05.007	1261.05	Ha	1261.05
8	100	Rmt	Creation of Fire lines 3 mts wide	02.05.010	7.88	RMT	788.00
9	1111	Nos	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	02.05.012	160.55	100 Nos.	1783.71
10	22	Kgs	Cost of DAP @ 20 Grams per plant and Chemicals	02.05.013	50.00	Per Kg	1100.00

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Sl. No.	Quantity	Unit	Item of Work	2022-23 FSR Item No.	Rate	Per	Amount
1	2	3	4	5	6	7	8
11	1111	Nos	Application of fertilizers after planting by making 3 holes of 10 cmts depth with crow bar. 10 cmts away from plant and putting fertilizer and closing	02.05.014	50.79	100 Nos.	564.28
12	1	Ha	Enumeration of survivals, pest control, labour amenities, Sharpening of tools etc.	02.05.015	164.92	Ha	164.92
13	LS	Nos	Contingencies for unforeseen items				3742.39
			<b>Rate for 2022-23</b>	<b>TOTAL</b>			<b>30000.00</b>

Add 10% extra rate for 2023-24 -	33000
Add 10% extra rate for 2024-25 -	36300
Add 10% extra rate for 2025-26 -	39900
Add 10% extra rate for 2026-27 -	43900
Add 10% extra rate for 2027-28 -	48300
Add 10% extra rate for 2028.99 -	53100
Add 10% extra rate for 2029.30 -	58400
Add 10% extra rate for 2030.-31 -	64200
Add 10% extra rate for 2031-32 -	70600

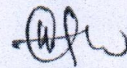
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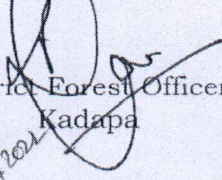
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### Data Sheet for 3rd year maintenance of Plantation - SMM for 1 Ha.

Sl. No.	Quantity	Unit	Item of Work	2020-21 FSR Item No.	Rate	Per	Amount
1	2	3	4	5	6	7	8
1	1111	Nos	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer	02.06.001	848.29	100 Nos.	9424.50
2	1	Ha	Cutting of coppice growth flush to the ground over the entire area including retaining useful species just after planting and placing the cut material in between the planting rows. Low rainfall zone < 800 mm	02.06.002	1261.05	Ha	1261.05
3	0.67	Ha	Deep Inter ploughing with heavy duty tractor	02-03-045	4841.52	Ha	3243.82
4	100	Rmt	Creation of Fire lines 3 mts wide	02.06.005	7.88	RMT	788.00
5	1111	Nos	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	02.06.007	160.55	100 Nos.	1783.71
6	1	Ha	Enumeration of survivals, pest control, labour amenities, Sharpening of tools etc.	02.05.015	164.92	Ha	164.92
7	LS	Nos	Contingencies for unforeseen items				2334.00
			<b>Rate for 2022-23</b>	<b>TOTAL</b>			<b>19000.00</b>

Add 10% extra rate for 2023-24 -	20900
Add 10% extra rate for 2024-25 -	23000
Add 10% extra rate for 2025-26 -	25300
Add 10% extra rate for 2026-27 -	27800
Add 10% extra rate for 2027-28 -	30600
Add 10% extra rate for 2028.29 -	33700
Add 10% extra rate for 2029.30 -	37100
Add 10% extra rate for 2030.-31 -	40800
Add 10% extra rate for 2031-32 -	44900
Add 10% extra rate for 2032-33 -	49400

  
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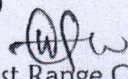
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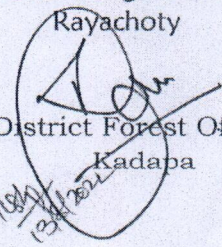
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### Data Sheet for 4th year maintenance of Plantation - SMM for 1Ha.

SLN o.	Quantity	Unit	Item of Work	2022-23 FSR Item No.	Rate	Per	Amount
1	2	3	4	5	6	7	8
1	100	Rmt	Creation of Fire lines 3 mts wide	02.07.001	7.88	RMT	788.00
2	1111	Nos	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil alround the plant to 10cm wide but weeding that part of area by hand and formation of saucer	02.07.002	848.29	100 Nos.	9424.50
3	1	Ha	Cutting of coppice growth flush to the ground over the entire area including retaining useful species just after planting and placing the cut material in between the planting rows. Low rainfall zone < 800 mm	02.07.003	1261.05	Ha	1261.05
4	1111	Nos	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	02.07.006	160.55	100 Nos.	1783.71
5	1	Ha	Enumeration of survivals, pest control, labour amenities, sharpening of tools, etc.	02.07.007	164.92	Ha	164.92
6	0.67	Ha	Deep Inter ploughing with heavy duty tractor	02.07.008	4841.52	Ha	3243.82
7	LS	Nos	Contingencies for unforeseen items				2122.00
			<b>Rate for 2022-23</b>	<b>TOTAL</b>			<b>18000.00</b>

Add 10% extra rate for 2023-24 -	19800
Add 10% extra rate for 2024-25 -	21800
Add 10% extra rate for 2025-26 -	24000
Add 10% extra rate for 2026-27 -	26400
Add 10% extra rate for 2027-28 -	29000
Add 10% extra rate for 2028.29 -	31900
Add 10% extra rate for 2029.30 -	35100
Add 10% extra rate for 2030.-31 -	38600
Add 10% extra rate for 2031-32 -	42500
Add 10% extra rate for 2032-33 -	46800
Add 10% extra rate for 2033-34 -	51500
Add 10% extra rate for 2034-35 -	56700

  
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# Data Sheet for 5th to 10th year of maintenance of Plantation - SMM for 1 Ha.

Sl.N o.	Quantity	Unit	Item of Work	2022-23 FSR Item No.	Rate	Per	Amount
1	2	3	4	5	6	7	8
1	100	Rmt	Creation of Fire lines 3 mts wide	02.08.001	7.88	RMT	788.00
2	1111	Nos	Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil alround the plant to 10cm wide but weeding that part of area by hand and formation of saucer	02.08.002	848.29	100 Nos.	9424.50
3	1	Ha	Cutting of coppice growth flush to the ground over the entire area including retaining useful species just after planting and placing the cut material in between the planting rows. Low rainfall zone < 800 mm	02.08.003	1261.05	Ha	1261.05
4	1111	Nos	Pruning of lower foliage/ branches of NTFP species like kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3 rd height.	02.08.006	160.55	100 Nos.	1783.71
5	1	Ha	Enumeration of survivals, pest control, labour amenities, sharpening of tools, etc.	02.08.007	164.92	Ha	164.92
6	LS	Nos	Contingencies for unforeseen items				1365.82
			Rate for 2022-23	TOTAL			14000.00

Add 10% extra rate for 2023-24 -	15400
Add 10% extra rate for 2024-25 -	16900
Add 10% extra rate for 2025-26 -	18600
Add 10% extra rate for 2026-27 -	20500
Add 10% extra rate for 2027-28 -	22600
Add 10% extra rate for 2028.29 -	24900
Add 10% extra rate for 2029.30 -	27400
Add 10% extra rate for 2030.-31 -	30100
Add 10% extra rate for 2031-32 -	33100
Add 10% extra rate for 2032-33 -	36400
Add 10% extra rate for 2033-34 -	40000
Add 10% extra rate for 2034-35 -	44000
Add 10% extra rate for 2035-36 -	48400

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