

**YEAR WISE DETAILED ABSTARCT OF CA SCHEME FOR 10 HA in NARSAMPALLY RF OF SIDDIPET DISTRICT**

Sl. No	Item of Work	Total Outlay			2016 - 17		2017 - 18		2018 - 19		2019 - 20		2020 - 21		2021 - 22		2022 - 23		2023 - 24		2024 - 25		Grand Total	
		Unit	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
<b>Semi Mechanical Method</b>																								
<b>Planting activities</b>																								
1	Advance Operations	Ha	10.00	3.88	10.00	3.88																	10.00	3.88
2	Raising	Ha	10.00	29.25			10.00	29.25															10.00	29.25
3	1st Year Maintenance	Ha	10.00	7.93					10.00	7.93													10.00	7.93
4	2nd Year Maintenance	Ha	10.00	3.47							10.00	3.47											10.00	3.47
5	3rd Year Maintenance	Ha	10.00	2.94									10.00	2.94									10.00	2.94
6	4th Year Maintenance	Ha	10.00	4.00											10.00	4.00							10.00	4.00
7	5th Year Maintenance	Ha	10.00	4.27													10.00	4.27					10.00	4.27
8	6th Year Maintenance	Ha	10.00	4.54															10.00	4.54			10.00	4.54
9	7th Year Maintenance	Ha	10.00	4.81																	10.00	4.81	10.00	4.81
<b>Plantation Total:</b>		<b>Ha</b>	<b>10.00</b>	<b>65.09</b>	<b>10.00</b>	<b>3.88</b>	<b>10.00</b>	<b>29.25</b>	<b>10.00</b>	<b>7.93</b>	<b>10.00</b>	<b>3.47</b>	<b>10.00</b>	<b>2.94</b>	<b>10.00</b>	<b>4.00</b>	<b>10.00</b>	<b>4.27</b>	<b>10.00</b>	<b>4.54</b>	<b>10.00</b>	<b>4.81</b>	<b>10.00</b>	<b>65.09</b>
<b>Protection activities</b>																								
10	Fixing of Chain Link Fencing	Kms	1.00	14.70			1.00	14.70															1.00	14.70
11	Digging of Peripheral Trench.	RMT	625.00	0.93	625.00	0.93																	625.00	0.93
<b>Protection work Total</b>				<b>15.63</b>		<b>0.93</b>		<b>14.70</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>0.00</b>		<b>15.63</b>
<b>Works Total</b>				<b>80.72</b>		<b>4.80</b>		<b>43.95</b>		<b>7.93</b>		<b>3.47</b>		<b>2.94</b>		<b>4.00</b>		<b>4.27</b>		<b>4.54</b>		<b>4.81</b>		<b>80.72</b>
12	Administrative Cost (10%) (Digitization of Maps, Purchase of Computers, Stationary, Purchase of GPS instruments, Payment of Electricity bills, RRT, Internet, Communication charges etc.,)	LS		8.07		0.48		4.39		0.79		0.35		0.29		0.40		0.43		0.45		0.48		8.07
<b>Total year wise outlay of the project</b>				<b>88.79</b>		<b>5.29</b>		<b>48.34</b>		<b>8.73</b>		<b>3.82</b>		<b>3.23</b>		<b>4.41</b>		<b>4.70</b>		<b>4.99</b>		<b>5.29</b>		<b>88.79</b>

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*[Signature]*  
**Chief Conservator of Forests/  
 Conservator of Forests,  
 Medak Circle, Medak**

*[Signature]*  
**District Forest Officer  
 Siddipet**



Advance works for Raising of 10 Ha N.T.S.H. Plantations 3m X 2m. (SMM) in Narsampally RF during 2016-17

Sl .No	Code	Item of work	Units	Qty	Rate	Unit	Amount
	1	2	3	4	5	6	7
		<b>SEMI-MECHANICAL PLANTATION</b>					
1	02.08.01	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 by end of December.	Plant ation	10	311.04	1	3110.00
		Clearing unsalable unwanted jungle growth (Leaving all the tree species of good form particularly the hardwood tree species, spreading the cut material all over the site and burning the same twice till completely burnt the unsuitable area shall be excluded from the clearing operation and the expenditure incurred for effective area only					
	02.08.02	Sparse Jungle Growth (<10% ground area covered with jungle growth)	Ha	10	1728.81	1	17288.00
		<b>Uprootal of Stumps</b> (excluding unsuitable patches) to a minimum depth of 45 cm with <i>heavy machinery fitted with 0.90 cum</i> and above capacity bucket, <b>filling the pits</b> caused by uprootal, and <b>levelling</b> . <i>For retrived encroached area, the approval of Circle Head is required and the approval should indicate clearly the density of stumps or vegetation to be removed through uprootal. The uprootal work shall be carried out preferably through tender process.</i>					
	02.08.03	Sparse Jungle Growth (<10% ground area covered with jungle growth)	Ha	10	4357.85	1	43579.00
		<b>Collection and Removal of Uprooted Stumps</b> of all sizes, other debris etc., to outside the plantation site.					
	02.08.05	Sparse Jungle Growth (<10% ground area covered with jungle growth) Old Eucalyptus plantation area	Ha	10	17917.00	1	179170.00



Sl .No	Code	Item of work	Units	Qty	Rate	Unit	Amount
		Tilling (PERMISSIBLE FOR CA AREA ONLY) the soil to a depth of 45 cm in the effective area (excluding unsuitable patches) with heavy duty machinery fitted with 0.90 cum and above capacity bucket and levelling - ONLY PERMISSIBLE FOR CA AREA and written approval of Circle Head is needed and required budgetary provision has to find place in annual approved plan) and VIP planting area (minimum area should be more than 1 ha area).The uprootal and tilling works shall be done preferably through tender process and the execution of work should be completed befor end of March.					
2	02.08.11	Sparse Jungle Growth	Ha	10	14456.00	1	144560.00
		Contingencies					293.00
Total							387707.00

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Chief Conservator of Forests/  
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*[Signature]*  
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Siddipet



**Raising of 10 Ha N.T.S.H. Plantations 3m X 2m. (SMM) 1666 plants per Ha in Narsampally RF**


Sl No.	Code	Item of work	Units	Qty	Rate	Per	Amount
1	2	3	4	5	6	7	8
		<b>PLANTING OPERATIONS DURING RAISING YEAR</b>					
		<b>Deep Ploughing</b> the effective (excluding unsuitable patches) plantation area across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough <b>FORTILLED AREA</b> - <i>to be completed by 15th of June</i>					
1	02.09.02	ii) Hard soils like gravel and morum	Ha	10	2697.24	1	26972
2	02.09.04	<b>Removing congestion of root suckers</b> and other uprooted material hindering the effective ploughing	Ha	10	853.42	1	8534
3	02.09.06	<b>Alignment &amp; Stacking including demarcation of base line ii) 2X3 m espacement = 1666 planting points</b>	Nos	16660	66.74	100	11119
4	02.09.09	Cost of preparation of stakes (0.45 M length) and transportation to site.	Nos	16660	47.30	100	7880
		<b>Digging of Pits in Ploughed Areas in June - July by adopting 50% of original rate of digging of pits of ordinary soil</b>					
5	02.09.11	b) 45 cm <sup>3</sup> pits	Each	16660	8.84	1	147274
	A/a	Cost of plants including transportation, loading and unloading charges upto the planting site	Each	19992	100.00	1	1999200
		<b>Internal transportation</b> to planting points on head loads					
8	02.09.23	20 X 30 cm (8"X12") bag plants	Nos	16660	76.25	100	12703
9	As per the special instructions	<b>PLANTING: No Eucalyptus, not even mixed with bamboo, shall be planted in CA area. Only indigenous secondary hardwood species and its associates mixed with local NTFP species shall be planted in CA areas. The minimum height of the planting stock to be planted 0.75 - 1m height (excluding the height of the bag)</b>					
		<b>Fortification of seedling with insecticide and treating pits with SSP</b>	Kgs	8330	15.00	1	124950

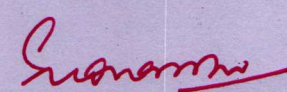


Sl. No.	Code	Item of work	Units	Qty	Rate	Per	Amount
1	2	3	4	5	6	7	8
10	02.09.24	<b>Application of 50 gm of SSP per pit</b> (1 day before planting) for root growth and early establishment of plant after planting. Similarly, the bag plants to be planted are to be dipped inside Chloropyriphos solution (5 ml of Chloropyriphos in 1 lit water) either at nursery site before transport or at plantation site before planting	Nos	16660	32.62	100	5434
		<b>Planting</b>					
11	02.09.27	ii) 45 cm <sup>3</sup>	Nos	16660	363.37	100	60537
		<b>WEEDING &amp; SOIL WORKING</b>					
12	02.09.31	a) 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)	100	16660	103.79	100	17291
13	02.09.32	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 at around the plant to 10cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils.	Nos	16660	545.08	100	90810
14	02.09.29	<b>Replacement of Casualties:</b> 20% during Raising Year. (In case of Eucalyptus: 10% during raising and no casualty replacement for further maintenance). <i>The casualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year</i>					
		Pitting (50% of original rate)	Nos	333	4.42	1	1472
		Internal transport of bag plants to planting	Nos	333	76.25	100	254
		Planting bag plants	Nos	333	363.37	100	1210
		<b>Fertilizer Application for boosting growth</b>					
		Cost of DAP @ 25 gm / planting point	Kgs	417	25.00	1	10413
		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	Nos	16660	32.62	100	5434
		<b>Inter Ploughing</b>					



Sl No.	Code	Item of work	Units	Qty	Rate	Per	Amount
1	2	3	4	5	6	7	8
		Inter ploughing (during November) the effective (excluding unsuitable patches) plantation area across the slope to a depth of 30 cm with heavy duty tractor of 55 HP and above with Firm Mould Board (FMB) Plough.(ii) Hard Soil.					
15	02.09.34	ii) Hard Gravelly Soil.	Ha	10	2810.70	1	28107
16	02.09.38	<b>Cost of Protection: One Watcher</b> is allowed for 10-30 ha. plantation; <b>One more Watcher</b> for more than 30 ha; <i>and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped and site is not affected with fire. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year.</i>	Nos	9	7500.00	1	67500
18	2.10.04	<b>Uprootal of Mahaveera (<i>Hyptis suaveolens</i>) weed</b> with <i>prior written approval of Circle Head</i> and taking <i>photograph</i> before and after uprootal. The weed removal shall be completed <b>before August-end (before flowering)</b> at any cost before inter-ploughing.	Ha	10	3032.48	1	30325
19	01.03.51	<b>Contingencies for Raising Year</b> towards the expenditure like cost of hose pipe, nursery boards, electriety charges, running and maintainance charges of oil engines (Bills to be certified by ACF / DFO; and separate logbook for repair of motor or oil engine and store register for materials purchased.	A/a				1503
		Total					2658922
		10%escalation on 2016-17 FSR					265892
Total							2924814

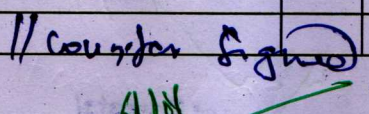
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**Chief Conservator of Forests/  
 Conservator of Forests,  
 Medak Circle, Medak**

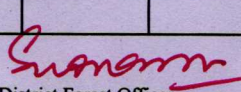
  
**District Forest Officer  
 Siddipet**



**ANNEXURE - D**  
**Unit Cost for 1<sup>st</sup> of N.T.S.H. Plantations 3m X 2m. (SMM) at Narsampally RF during 2017-18**

Sl. No	Code	Item of work	Units	Qty	Rate	Per	Amount
1	2	3	4	5	6	7	8
		<b>1ST YEAR MAINTAINANCE</b>					
1	02.10.01	<b>Replacement of Casualties:</b> 25% during Raising Year. (In case of Eucalyptus: 10% during raising and no casualty replacement for further maintenance). <i>The casualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year.</i>					
		Cost of plants	Nos	4165	100.00	Each	416500
		Digging of pits	Nos	4165	4.42	Each	18409
		Internal transport of bag plants to planting points on head loads.	Nos	4165	76.25	100	3176
		Planting bag plants	Nos	4165	363.37	100	15134
2	02.10.02	Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug)	Nos	16660	103.79	100	17291
3	02.10.03	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant during Nov - Dec	Nos	16660	545.08	100	90810
	2.10.04	<b>Uprootal of Mahaveera (<i>Hyptis suaveolens</i>) weed with prior written approval of Circle Head and taking photograph before and after uprootal. The weed removal shall be completed before August-end (before flowering) at any cost before inter-ploughing.</b>	Ha	10.00	3032.48	1	30325
4	02.10.05	Inter-ploughing (during September) the effective plantation area (excluding unsuitable patches) across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough. This operation shall be carried out after Mahaveera uprootal is completed. Inter-ploughing should not be used as a means of Mahaveera uprootal.	Ha	10.00	2048	1	20480
5	02.10.06	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July-Aug)	Nos	16660	103.19	100	17192
8	02.10.08	<b>Cost of Protection:</b> One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped and site is not affected with fire. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year.	Nos	12	7500	1	90000
		Contingencies					1832
		Total					721150
		20% Escalation on 2016-17 FSR					72115
		Total					793265

  
**Chief Conservator of Forests/  
 Conservator of Forests,  
 Medak Circle, Medak**

  
**District Forest Officer  
 Siddipet**



**2<sup>nd</sup> year maintenance of 10 Ha N.T.S.H. Plantations 3m X 2m. (SMM) at Narsampally RF of Gajwel Range**

Sl No	Code	Item of work	Units	Qty	Rate	Per	Amount
	1	2	3	4	5	6	7
		<b>2<sup>ND</sup> YEAR MAINTAINANCE</b>					
1	02.10.02	Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug)	Nos	16660	103.79	100	17291
2	02.10.03	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant during Nov - Dec	Nos	16660	545.08	100	90810
3	02.11.02	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July-Aug)	Nos	16660	103.19	100	17192
4	02.10.05	Inter-ploughing (during September) the effective plantation area (excluding unsuitable patches) across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough. This operation shall be carried out after Mahaveera uprootal is completed. Inter-ploughing should not be used as a means of Mahaveera uprootal.	Ha	10	2048	1	20480
5	2.10.04	Uprootal of Mahaveera ( <i>Hyptis suaveolens</i> ) weed with prior written approval of Circle Head and taking photograph before and after uprootal. The weed removal shall be completed before August-end (before flowering) at any cost before inter-ploughing.	Ha	10.00	3032.48	1	30325
6	02.10.04	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped and site is not affected with fire. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year.	Nos	12	7500.00	1	90000
		<b>Contingencies</b>					<b>901</b>
		<b>Total</b>					<b>267000</b>
		<b>30% escalation on 2016-17 FSR</b>					<b>80100</b>
		<b>Total</b>					<b>347100</b>

*Counter Signed*

**Chief Conservator of Forests/  
Conservator of Forests,  
Medak Circle, Medak**

*Sumantra*

**District Forest Officer  
Siddipet**



**3<sup>rd</sup> year maintenance of 10 Ha N.T.S.H. Plantations 3m X 2m. (SMM) at Narsampally RF**

Sl No	Code	Item of work	Units	Qty	Rate	Per	Amount
	1	2	3	4	5	6	7
		<b>3<sup>RD</sup> YEAR MAINTAINANCE</b>					
1	02.10.02	Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug)	Nos	16660	103.79	100	17291
2	02.10.03	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant during Nov - Dec	Nos	16660	545.08	100	90810
3	02.11.02	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July-Aug)	Nos	16660	103.19	100	17192
4	2.10.04	<b>Uprootal of Mahaveera (<i>Hyptis suaveolens</i>) weed with prior written approval of Circle Head and taking photograph before and after uprootal. The weed removal shall be completed before August-end (before flowering) at any cost before inter-ploughing.</b>	Ha	10.00	3032.48	1	30325
5	02.10.05	Inter-ploughing (during September) the effective plantation area (excluding unsuitable patches) across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough. This operation shall be carried out after Mahaveera uprootal is completed. Inter-ploughing should not be used as a means of Mahaveera uprootal.	Ha	10	2048	1	20480
6	02.10.04	<b>Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped and site is not affected with fire. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year.</b>	Nos	12	7500.00	1	90000
<b>Contingencies</b>							<b>901</b>
<b>Total</b>							<b>267000</b>
<b>40% Escalation on 2016-17 FSR</b>							<b>26700</b>
<b>Total</b>							<b>293700</b>

*Counter Signed*

*Sunanda*  
District Forest Officer  
Siddipet

*Apil*  
**Chief Conservator of Forests/  
Conservator of Forests,  
Medak Circle, Medak**



**4<sup>th</sup> year maintenance of 10 Ha N.T.S.H. Plantations 3m X 2m. (SMM) at Narsampally RF**

Sl No	Code	Item of work	Units	Qty	Rate	Per	Amount
	1	2	3	4	5	6	7
		<b>4<sup>TH</sup> YEAR MAINTAINANCE</b>					
1	02.10.02	Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug)	Nos	16660	103.79	100	17291
2	02.10.03	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant during Nov - Dec	Nos	16660	545.08	100	90810
3	02.11.02	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July-Aug)	Nos	16660	103.19	100	17192
4	2.10.04	Uprootal of Mahaveera ( <i>Hyptis suaveolens</i> ) weed with prior written approval of Circle Head and taking photograph before and after uprootal. The weed removal shall be completed before August-end (before flowering) at any cost before inter-ploughing.	Ha	10.00	3032.48	1	30325
5	02.10.05	Inter-ploughing (during September) the effective plantation area (excluding unsuitable patches) across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough. This operation shall be carried out after Mahaveera uprootal is completed. Inter-ploughing should not be used as a means of Mahaveera uprootal.	Ha	10	2048	1	20480
6	02.10.04	<b>Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped and site is not affected with fire. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year.</b>	Nos	12	7500.00	1	90000
<b>Contingencies</b>							<b>901</b>
<b>Total</b>							<b>267000</b>
<b>50% Escalation on 2016-17 FSR</b>							<b>133500</b>
<b>Total</b>							<b>400499</b>

*Counter Signed*

**Chief Conservator of Forests/  
Conservator of Forests,  
Medak Circle, Medak**

*Suman*

**District Forest Officer  
Siddipet**



**5<sup>th</sup> year maintenance of 10 Ha N.T.S.H. Plantations 3m X 2m. (SMM) at Narsampally RF**

Sl No	Code	Item of work	Units	Qty	Rate	Per	Amount
	1	2	3	4	5	6	7
		<b>5<sup>TH</sup> YEAR MAINTAINANCE</b>					
1	02.10.02	Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug)	Nos	16660	103.79	100	17291
2	02.10.03	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant during Nov - Dec	Nos	16660	545.08	100	90810
3	02.11.02	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July-Aug)	Nos	16660	103.19	100	17192
4	2.10.04	Uprootal of Mahaveera ( <i>Hyptis suaveolens</i> ) weed with prior written approval of Circle Head and taking photograph before and after uprootal. The weed removal shall be completed before August-end (before flowering) at any cost before inter-ploughing.	Ha	10.00	3032.48	1	30325
5	02.10.05	Inter-ploughing (during September) the effective plantation area (excluding unsuitable patches) across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough. This operation shall be carried out after Mahaveera uprootal is completed. Inter-ploughing should not be used as a means of Mahaveera uprootal.	Ha	10	2048	1	20480
6	02.10.04	<b>Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped and site is not affected with fire. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year.</b>	Nos	12	7500.00	1	90000
<b>Contingencies</b>							<b>901</b>
<b>Total</b>							<b>267000</b>
<b>60% Escalation on 2016-17 FSR</b>							<b>160200</b>
<b>Total</b>							<b>427199</b>

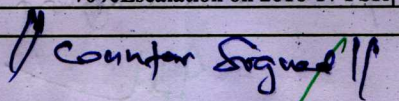
**Chief Conservator of Forests  
Conservator of Forests,  
Medak Circle, Medak**

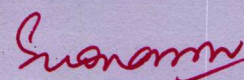
**District Forest Officer  
Siddipet**



**Unit Cost for 6<sup>th</sup> year maintenance of N.T.S.H. Plantations 3m X 2m. (SMM) 1666 plants per Ha**

Sl No	Code	Item of work	Units	Qty	Rate	Per	Amount
	1	2	3	4	5	6	7
		<b>6<sup>TH</sup> YEAR MAINTAINANCE</b>					
1	02.10.02	Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug)	Nos	16660	103.79	100	17291
2	02.10.03	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant during Nov - Dec	Nos	16660	545.08	100	90810
3	02.11.02	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July-Aug)	Nos	16660	103.19	100	17192
4	2.10.04	Uprootal of Mahaveera ( <i>Hyptis suaveolens</i> ) weed with prior written approval of Circle Head and taking photograph before and after uprootal. The weed removal shall be completed before August-end (before flowering) at any cost before inter-ploughing.	Ha	10.00	3032.48	1	30325
5	02.10.05	Inter-ploughing (during September) the effective plantation area (excluding unsuitable patches) across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough. This operation shall be carried out after Mahaveera uprootal is completed. Inter-ploughing should not be used as a means of Mahaveera uprootal.	Ha	10	2048	1	20480
6	02.10.04	<b>Cost of Protection: One Watcher</b> is allowed for 10-30 ha. plantation; <b>One more Watcher</b> for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped and site is not affected with fire. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year.	Nos	12	7500.00	1	90000
<b>Contingencies</b>							<b>901</b>
<b>Total</b>							<b>267000</b>
<b>70% Escalation on 2016-17 FSR</b>							<b>186900</b>
<b>Total</b>							<b>453899</b>

  
**Chief Conservator of Forests**  
**Conservator of Forests,**  
**Medak Circle, Medak**

  
**District Forest Officer**  
**Siddipet**



**Unit Cost for 7<sup>th</sup> year maintenance of N.T.S.H. Plantations 3m X 2m. (SMM) 1666 plants per Ha**

Sl No	Code	Item of work	Units	Qty	Rate	Per	Amount
	1	2	3	4	5	6	7
		<b>7<sup>TH</sup> YEAR MAINTAINANCE</b>					
1	02.10.02	Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug)	Nos	16660	103.79	100	17291
2	02.10.03	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant during Nov - Dec	Nos	16660	545.08	100	90810
3	02.11.02	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July-Aug)	Nos	16660	103.19	100	17192
4	2.10.04	<b>Uprootal of Mahaveera (<i>Hyptis suaveolens</i>) weed with prior written approval of Circle Head and taking photograph before and after uprootal. The weed removal shall be completed before August-end (before flowering) at any cost before inter-ploughing.</b>	Ha	10.00	3032.48	1	30325
5	02.10.05	Inter-ploughing (during September) the effective plantation area (excluding unsuitable patches) across the slope to a depth of 30 cm with Heavy-duty Tractor of 55 HP and above with Firm Mould Board (FMB) plough. This operation shall be carried out after Mahaveera uprootal is completed. Inter-ploughing should not be used as a means of Mahaveera uprootal.	Ha	10	2048	1	20480
6	02.10.04	<b>Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped and site is not affected with fire. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year.</b>	Nos	12	7500.00	1	90000
<b>Contingencies</b>							<b>901</b>
		<b>Total</b>					<b>267000</b>
		<b>80% Escalation on 2016-17 FSR</b>					<b>213600</b>
		<b>Total</b>					<b>480599</b>

// Counter Signed //

**Chief Conservator of Forests,  
Conservator of Forests,  
Medak Circle, Medak /**

**Sumanam**  
District Forest Officer  
Siddipet



**FIXING OF CHAINLINKMESH TO CA AREA IN NARSAMPALLY RF OF SIDDIPET  
DISTRICT**

Sl. No	Description	No's	Lengt h	Brea dth	Depth	Quantity	Unit	Rate	Total Amount
1	2	3	4	5	6	7	8	9	10
1	Earth work excavation and depositing the earth on bank with initial lead of 10m and lift of 2m in soils like mixer gravel and soft disintegrated rock like shales, ordinary gravel like earth mixed with fair size boulders including shoring, strutting, sheeting planking and dewatering including cost of hire charges of T&P labour charges etc., complete for finished item of work (APSS No.308)								
	For CC bed	1 x 1	1000	0.20	0.10	20.00			
	Pillars	1 x 335	0.45	0.45	0.45	30.53			
	Deduction	1 x 335	0.45	0.20	0.10	-3.02			
						<b>47.51</b>	<b>112.84</b>	<b>cum</b>	<b>5361</b>
2	Plain Cement Concrete (1:5:10) prop nominal mix (cement: fine aggregate: coarse aggregate) using 40mm size HBT (SS5) metal from approved quarry including Cost and Conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including all operational, incidental, and labour charges such as mixing, laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete, etc., complete for finished item of work.								
	For CC bed	1 x 1	1000	0.20	0.10	20.00			
	Pillars	1 x 335	0.45	0.45	0.45	30.53			
	Deduction Pillar Portion	1 x 335	0.45	0.20	0.10	-3.02			
						<b>47.51</b>	<b>931.70</b>	<b>cum</b>	<b>44267</b>



3	Plain Cement concrete (M 20) Nominal Mix using 20mm metal using concrete mixer(SS5) metal from approved quarry including Cost and Conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including all operational, incidental, and labour charges such as mixing, laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete, etc., complete for finished item of work.										
	For CC bed	1	x	1	1000	0.20	0.15	30.00			
	Pillars	1	x	335	0.45	0.45	0.45	30.53			
	Deduction Pillar Portion	1	x	335	0.45	0.20	0.15	-4.52			
								56.00	931.70	cum	52179
4	Labour Charges for fabrication of Angles including, cutting into required sizes, making holes where ever required, welding wherever required, fixing of nuts & bolts and washers, fixing of angles in Concrete bed in position and Fixing of Chainlink mesh to Angles etc										
		1	x	72762				2500	24.00	Kgs	60000
	Add Ls for U/F items										13193
	Total										175000

// Counter Signed //

Chief Conservator of Forests/  
Conservator of Forests,  
Medak Circle, Medak,

*[Signature]*  
District Forest Officer  
Siddipet



# FIXING OF CHAINLINKMESH TO CA AREA IN NARSAMPALLY RF OF SIDDIPET DISTRICT

Sr. No	Description	No's			Length	Breadth	Depth	Quantity	Unit	Rate	Total Amount
1	2	3			4	5	6	7	8	9	10
1	Plain Cement Concrete (1:5:10) prop nominal mix (cement: fine aggregate: coarse aggregate) using 40mm size HBT (SS5) metal from approved quarry including Cost and Conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including all operational, incidental, and labour charges such as mixing, laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete, etc., complete for finished item of work.										
	For CC bed	1	x	1	1000	0.20	0.10	20.00			
	Pillars	1	x	335	0.45	0.45	0.45	30.53			
	Deduction Pillar Portion	1	x	335	0.45	0.20	0.10	-3.02			
								47.51	2551.29	cum	121217
2	Plain Cement concrete (M 20) Nominal Mix using 20mm metal using concrete mixer(SS5) metal from approved quarry including Cost and Conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including all operational, incidental, and labour charges such as mixing, laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete, etc., complete for finished item of work.										
	For CC bed	1	x	1	1000	0.20	0.15	30.00			
	Pillars	1	x	335	0.45	0.45	0.45	30.53			
	Deduction Pillar Portion	1	x	335	0.45	0.20	0.15	-4.52			
								56.00	4151.55	cum	232505
3	Supply of M.S.Angles of size 65mm x 65mm x 6mm including cost of the material,Transportation charges to the Site.										
	Weight of each angle of 3.10 m length of size 65mm x65mmx6mm@5.84kg/m :18.10kg										
	Total weight of 335 angles is $3335 \times 18.10 = 6063.50$ for fencing to 1km = $1 \times 1 = 6063.50$ net qty							6063.5	39.00	1	236477



