


Species Proposed : Sandra, Narlinga, Aare, Narepi, Nemalinara, Vepa

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Sl. No	Item of Work	Total Outlay			2017 - 18		2018 - 19		2019 - 20		2020 - 21		2021 - 22		2022 - 23		2023 - 24		2024 - 25		2025 - 26		2026 - 27		2027 - 28		2028 - 29		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	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					22	23	24	25
18	Hiring of Computer Operator @ Rs.15000/-	No's	1.00	21.60	1.00	1.80	1.00	1.80	1.00	1.80	1.00	1.80	1.00	1.80	1.00	1.80	1.00	1.80	1.00	1.80	1.00	1.80	1.00	1.80	1.00	1.80	1.00	1.80		21.60
19	Stationary and Computer Peripherals	Ls	1.00	12.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		12.00
20	Running and Maintenance of Vehicle of the DFO	No	1.00	36.00	1.00	3.00	1.00	3.00	1.00	3.00	1.00	3.00	1.00	3.00	1.00	3.00	1.00	3.00	1.00	3.00	1.00	3.00	1.00	3.00	1.00	3.00	1.00	3.00		36.00
21	Propulsion Charges	Ls	1.00	12.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		12.00
	Sub Total:			186.24		15.52		15.52		15.52		15.52		15.52		15.52		15.52		15.52		15.52		15.52		15.52		15.52		186.24
	G.Total			2984.59		154.84		1085.11		198.28		107.33		116.51		126.61		137.71		149.93		163.37		178.16		194.42		212.31		2984.59


 District Forest Officer,
 Siddipet
 District Forest Office
 SIDDIPET.


 Chief Conservator of Forests/
 Conservator of Forests,
 Medak Circle

**COMPREHENSIVE SCHEME FOR COMPENSATORY AFFORESTATION SCHEME FOR SIDDIPET
DISTRICT OF MEDAK CIRCLE: DIVERSION OF 1407.439 Ha OF FOREST LAND IN SIDDIPET
DIVISION FOR CONSTRUCTION OF CANAL, TUNNELS, LIFT SYSTEM AND RESERVOIRS
INVOLVING IN KALESHWARAM PROJECT IN SIDDIPET DISTRICT OF TELANGANA STATE**

1) INTRODUCTION OF THE SCHEME:-

The Chief Engineer, Kaleshwaram Project, Hyderabad has submitted proposals for diversion of 1407.439 Ha forest land is proposed for Excavation of canals, tunnels, surge pool, delivery cistern, non-over flow dams (Sri Komaravelli Mallanna Sagar, Ananthagiri reservoir, Gandhamalla reservoir, Kondapochamma reservoir), LMC & RMC gravity canals to convey water to the command area spread over in Siddipet District – Packages No. 10, 12, 14 & 15 of Kaleswaram Project

The details of Sy.No wise as follows:-

Sl No	Mandal	Village	Survey No.	Area in Ha.
1	Akkannapet	Gandipally	97.00	22.7794
2	Bejjanki	Regulapally	403	57.9251
3	Cherial	Kadavergu	403	47.8675
4	Kondapak	Giraipally	836	31.6079
5	Husnabad	Mirzapur	171	9.377
6	Husnabad	Keshavapur	154	21.08
7	Koheda	Shanigaram-I	1348	31.59
8	Koheda	Shanigaram-II	1348	20.978
9	Koheda	Gundareddypally	72	61.0401
				304.245

The above mentioned Govt. Non-forest land is identified by the Officials of Chief Engineer, Kaleshwaram Project, Hyderabad and Forest Department. The CA land 304.245 Ha has been identified in the above mentioned area. The area is partially hilly and rocky, but having stunted forest growth equivalent to adjacent to forest land. The growth consists mainly of Narlinga, Cassia fistula, Moduga, Vepa, Pala, Tangedu, Danthe, Namalinara, Etha etc.

2). SUITABILITY OF THE AREA:-

The area of 304.245 Ha of Non-forest land handed over for CA purpose against 304.245 only 140.245 Ha can be proposed for taking planting activities the rest of the land is partially hilly, Rocky areas, hence the SMC works is proposed like CPCT works, SMC works like Rock Fill Dams, Mini percolation tanks and Check dams.

3). SCHEME IMPLEMENTATION AGENCY:-

The District Forest Officer, Siddipet will be the project implementation and Monitoring agency and works will be taken up through concerned Forest range Officers.

For the above mentioned works for successful requires frequent inspections and close monitoring by the Forest Range Officers.

4). MONITORING MECHANISM:-

The District Forest Officer, Siddipet and Chief Conservator of Forests, Medak Circle, Medak will be closely monitoring the implementation of CA scheme by regular inspection and ensuing maintenance of connected records like Nursery journals, plantation journal, cash books, Work register, measurement Books etc.. Monthly progress of planting and maintenance along with expenditure will be submitted to the Prl.CCF, TS, Hyd and other Senior Officers of Forest Department Telangana and Chief Conservator of Forests (Central) Bangalore will also be monitoring the implementation of CA scheme.

5). PERIOD OF THE SCHEME:-

Period of the scheme is for (12 years) which includes advance works and raising of plantations and 10 years maintenance commencing from 2017-18 to 2028-29.

The details of proposed works are given below

6). **BOUNDARY DEMARCATION:** As a part of protection the following are proposed.


it is proposed to fix chain link fencing all around the periphery by User Agency and handed over the area Compensatory Afforestation before stage-II approval and wherever it is not possible to fixing of chainlink fencing due to availability of sheetrock's, dry stonewalls of 2.00 Mtr height shall be constructed to providing regular watch and ward as per provisions of FSR

7.) **REJUVENATION OF ADDITIONAL CA AREA EQUIVALENT TO FOREST AREA DIVERTED:-**

The Government non-forest land 304. 245 Ha., which is identified for CA by the User Agency in Siddipet District in lieu of their Excavation of canals, tunnels, surge pool, delivery cistern, non-over flow dams (Sri Komaravelli Mallanna Sagar, Ananthagiri reservoir, Gandhamalla reservoir, Kondapochamma reservoir), LMC & RMC gravity canals. Out of which only 140.245 Ha is plantable and the rest of the land 164.00 Ha available is not fit for planting. Therefore it is decided to identify equivalent Addl. C.A. area in Degraded forest in Siddipet, Dubbak, Husnabad and Gajwel Ranges of Siddipet Division to take up the plantation works the details are as follows.

- 1) Advance operation
- 2) Raising year
- 3) 1st -10th year maintenance and all activities as proposed in the area
- 4) Nursery
- 5) Bund planting
- 6) SMC works
- 7) Protection aspect

The cost of the scheme is worked out adopting present FSR of 2016-17 Which is incorporated for watch and ward. The total year wise cost structure of the project to an extent of 304.245 Ha is shown in Annexures. The details of requirement of funds and year wise action Plan area shown in Annexures. Unit Cost of planting techniques are shown abstract of the Scheme is as follows.


District Forest Officer,
Siddipet
District Forest Officer
SIDDIPET.

ABSTRACT

**COMPREHENSIVE SCHEME FOR COMPENSATORY AFFORESTATION SCHEME FOR SIDDIPET DISTRICT OF MEDAK
CIRCLE: DIVERSION OF 1407.439 Ha OF FOREST LAND IN SIDDIPET DIVISION FOR CONSTRUCTION OF CANAL, TUNNELS,
LIFT SYSTEM AND RESERVOIRS INVOLVING IN KALESHWARAM PROJECT IN SIDDIPET DISTRICT OF TELANGANA STATE**

Sl. No.	Item of works	Total outlay	
		Phy.	Fin. In lakhs
I	RAISING OF PLANTATION s		
1	Advance Operations	304.245 Ha.	85.32
2	Raising of Plantation	304.245 Ha.	565.59
3	1 st year Maintenance of Plantation	304.245 Ha.	182.76
4	2 nd year Maintenance of Plantation	304.245 Ha.	91.81
5	3 rd year Maintenance of Plantation	304.245 Ha.	100.99
6	4 th year Maintenance of Plantation	304.245 Ha.	111.09
7	5 th year Maintenance of Plantation	304.245 Ha.	122.29
8	6 th year Maintenance of Plantation	304.245 Ha.	134.41
9	7 th year Maintenance of Plantation	304.245 Ha.	147.85
10	8 th year Maintenance of Plantation	304.245 Ha.	162.34
11	9 TH year maintenance of plantation	304.245 Ha.	178.90
12	10 th year maintenance of plantation	304.245 Ha.	196.79
II	SMC WORKS		
13	Construction of Check Dams	10 No's	80.00
14	Construction of Mini PT's	25 No's	50.00
15	Construction of Rock Fill Damns	20 No's	30.00
16	Fixing of Chain Link Fencing	33 Km's	495.00
17	Digging of Borewell	9 No's	36.00
18	Construction of watcher sheds	9 No's	27.00
III	Administrative Cost		84.358
19	Conveyance to the FSO for work supervision @ Rs.12,000/- per month	2 No's	34.56
20	Conveyance to the FRO for work supervision @ Rs.17,000/- per month	1 No's	24.48
21	Improvement facilities at Siddipet Range	1	12.00
22	Improvement facilities at Husnabad Range	1	12.00
23	Hiring of Technical Assistant	1	21.60
24	Hiring of Computer Operator	1	21.60
25	Stationary and Computer Peripherals	1	12.00
26	Running and Maintenance of Vehicle of the DFO	1	36.00
27	Propulsion Charges	1	12.00
	GRAND TOTAL		2984.5904


 District Forest Officer,
 Siddipet
SIDDIPET.

ANNEXURE - D

Unit Cost for Advance works for Raising of N.T.S.H. Plantations 3m X 2m. (SMM) 1666 plants per Ha
Unit Rate per Ha

Sl No.	Code	Item of work	Units	Qty	Rate	Unit	Amount
	1	2	3	4	5	6	7
		SEMI-MECHANICAL PLANTATION					
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.	Plantation	1	311.04	1	311.00
		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	1	1728.81	1	1729.00
		Uprootal of Stumps (excluding unsuitable patches) to a minimum depth of 45 cm with <i>heavy machinery fitted with 0.90 cum</i> and above capacity bucket, filling the pits caused by uprootal, and levelling . <i>For retrieved 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	1	4357.85	1	4358.00
		Collection and Removal of Uprooted Stumps of all sizes, other debris etc., to outside the plantation site.					
	02.08.05	Sparse Jungle Growth (<10% ground area covered with jungle growth)	Ha	1	4640.11	1	4640.00

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 before end of March.					
5	02.08.11	Sparse Jungle Growth	Ha	1	14456.00	1	14456.00
Unit cost as per FSR 2016 - 17 :							25494.00
Add 10% escalation on FSR 2016 - 17 (Unit cost for 2017 - 18):							28043.00
Add 10% escalation on FSR 2017 - 18 (Unit cost for 2018 - 19):							30847.00
Add 10% escalation on FSR 2018 - 19 (Unit cost for 2019 - 20):							33932.00
Add 10% escalation on FSR 2019 - 20 (Unit cost for 2020 - 21):							37325.00


 District Forest Officer
 SD/PT.

ANNEXURE - D


Unit Cost for Raising of N.T.S.H. Plantations 3m X 2m. (SMM) 1666 plants per Ha

Unit Rate per Ha

Sl No	Code	Item of work	Units	Qty	Rate	Per	Amount
1	2	3	4	5	6	7	8
		PLANTING OPERATIONS DURING RAISING YEAR					
		Deep Ploughing 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 FORTILLED AREA) - to be completed by 15th of June					
1	02.09.02	ii) Hard soils like gravel and morum	Ha	1	2697.24	1	2697
2	02.09.04	Removing congestion of root suckers and other uprooted material hindering the effective ploughing	Ha	1	853.42	1	853
3	02.09.06	Allignment & Stacking including demarcation of base line ii) 2X3 m espacement = 1666 planting points	Nos	1666	66.74	100	1112
4	02.09.09	Cost of preparation of stakes (0.45 M length) and transportation to site.	Nos	1666	47.30	100	788
		Digging of Pits in Ploughed Areas in June - July by adopting 50% of original rate of digging of pits of ordinary soil					
5	02.09.11	b) 45 cm ³ pits	Each	1666	8.84	1	14727
6	A/a	Cost of plants including transportation, loading and unloading charges upto the planting site	Each	1999	50.00	1	99960
		Internal transportation to planting points on head loads					
7	02.09.23	20 X 30 cm (8"X12") bag plants	Nos	1666	76.25	100	1270
	As per the special instructions	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)					
8		Fortification of seedling with insecticide and treating pits with SSP	Kgs	84	15.00	1	1260

Sl No	Code	Item of work	Units	Qty	Rate	Per	Amount
1	2	3	4	5	6	7	8
9	02.09.24	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	Nos	1666	32.62	100	543
		Planting					
12	02.09.27	ii) 45 cm ³	Nos	1666	363.37	100	6054
		WEEDING & SOIL WORKING					
13	02.09.31	a) 1 st circular weeding to a radius of 0.50 m around the plant after 30 days of planting (i.e. July - Aug)	100	1666	103.79	100	1729
14	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	1666	545.08	100	9081
15	02.09.29	Replacement of Casualties: 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>					
16		Pitting (50% of original rate)	Nos	333	4.42	1	1472
17		Internal transport of bag plants to planting	Nos	333	76.25	100	254
18		Planting bag plants	Nos	333	363.37	100	1210
		Fertilizer Application for boosting growth					
19		Cost of DAP @ 25 gm / planting point	Kgs	42	25.00	1	1041
20		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	1666	32.62	100	543
		Inter Ploughing					

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.					
21	02.09.34	ii) Hard Gravelly Soil.	Ha	1	2810.70	1	2811
22	02.09.38	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	1	2250.00	1	2250
23	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	1	3032.48	1	3032
24	01.03.51	Contingencies for Raising Year towards the expenditure like cost of hose pipe, nursery boards, electricity 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				949
Unit cost as per FSR 2016 - 17 :							153636
Add 10% escalation on FSR 2016 - 17 (Unit cost for 2017 - 18):							169000
Add 10% escalation on FSR 2017 - 18 (Unit cost for 2018 - 19):							185900
Add 10% escalation on FSR 2018 - 19 (Unit cost for 2019 - 20):							204490
Add 10% escalation on FSR 2019 - 20 (Unit cost for 2020 - 21):							224939


 District Forest Officer
 SIDDIPET.

ANNEXURE - D
Unit Cost for 1st of N.T.S.H. Plantations 3m X 2m. (SMM) 1666 plants per Ha

Sl No.	Code	Item of work	Unit Rate per Ha				
			Units	Qty	Rate	Per	Amount
1	2	3	4	5	6	7	8
		1ST YEAR MAINTAINANCE					
1	02.10.0 1	Replacement of Casualties: 25% during Raising Year. (In case of Eucalyptus: 10% during raising and no casualty replacement for further maintenance). The casualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year.					
2		Cost of plants	Nos	417	50.00	Each	20850
3		Digging of pits	Nos	417	4.42	Each	1841
4		Internal transport of bag plants to planting points on head loads.	Nos	417	76.25	100	318
5		Planting bag plants	Nos	417	363.37	100	1513
6	02.10.0 2	Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug)	Nos	1666	103.79	100	1729
7	02.10.0 3	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	1666	545.08	100	9081
8	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	1.00	3032.48	1	3032
9	02.10.0 5	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	1	2048	1	2048
10	02.10.0 6	Pruning of lower branch initials of Timber and NTFP species by scicature upto 1/3 rd height (to be done during July-Aug)	Nos	1666	103.19	100	1719
11	02.10.0 8	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	1	3000	1	3000
Unit cost as per FSR 2016 - 17 :							45132
Add 10% escalation on FSR 2016 - 17 (Unit cost for 2017 - 18):							49645
Add 10% escalation on FSR 2017 - 18 (Unit cost for 2018 - 19):							54610
Add 10% escalation on FSR 2018 - 19 (Unit cost for 2019 - 20):							60071
Add 10% escalation on FSR 2019 - 20 (Unit cost for 2020 - 21):							66078
Add 10% escalation on FSR 2020 - 21 (Unit cost for 2021 - 22):							72686
Add 10% escalation on FSR 2021 - 22 (Unit cost for 2022 - 23):							79955
Add 10% escalation on FSR 2022 - 23 (Unit cost for 2023 - 24):							87951
Add 10% escalation on FSR 2023 - 24 (Unit cost for 2024 - 25):							96746
Add 10% escalation on FSR 2024 - 25 (Unit cost for 2025 - 26):							106421
Add 10% escalation on FSR 2025 - 26 (Unit cost for 2026 - 27):							117063
Add 10% escalation on FSR 2026 - 27 (Unit cost for 2027 - 28):							128769
Add 10% escalation on FSR 2027 - 28 (Unit cost for 2028 - 29):							141646


District Forest Officer
SIDDIPET.

ANNEXURE - D

Unit Cost for 2nd year maintenance of N.T.S.H. Plantations 3m X 2m. (SMM) 1666 plants per Ha
Unit Rate per Ha

Sl No	Code	Item of work	Units	Qty	Rate	Per	Amount
	1	2	3	4	5	6	7
		2ND YEAR MAINTAINANCE					
1	02.10.02	Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug)	Nos	1666	103.79	100	1729
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	1666	545.08	100	9081
3	02.11.02	Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height (to be done during July-Aug)	Nos	1666	103.19	100	1719
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	1	2048	1	2048
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	1.00	3032.48	1	3032
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	1	3000.00	1	3000
Unit cost as per FSR 2016 - 17 :							20610
Add 10% escalation on FSR 2016 - 17 (Unit cost for 2017 - 18):							22671
Add 10% escalation on FSR 2017 - 18 (Unit cost for 2018 - 19):							24938
Add 10% escalation on FSR 2018 - 19 (Unit cost for 2019 - 20):							27432
Add 10% escalation on FSR 2019 - 20 (Unit cost for 2020 - 21):							30175
Add 10% escalation on FSR 2020 - 21 (Unit cost for 2021 - 22):							33193
Add 10% escalation on FSR 2021 - 22 (Unit cost for 2022 - 23):							36512
Add 10% escalation on FSR 2022 - 23 (Unit cost for 2023 - 24):							40163
Add 10% escalation on FSR 2023 - 24 (Unit cost for 2024 - 25):							44179
Add 10% escalation on FSR 2024 - 25 (Unit cost for 2025 - 26):							48597
Add 10% escalation on FSR 2025 - 26 (Unit cost for 2026 - 27):							53457
Add 10% escalation on FSR 2026 - 27 (Unit cost for 2027 - 28):							58803
Add 10% escalation on FSR 2027 - 28 (Unit cost for 2028 - 29.):							64683


District Forest Officer
Siddipet
SIDDIPET.

ANNEXURE - D

Unit Cost for 3rd year maintenance of N.T.S.H. Plantations 3m X 2m. (SMM) 1666 plants per Ha
Unit Rate per Ha

Sl No	Code	Item of work	Units	Qty	Rate	Per	Amount
	1	2	3	4	5	6	7
		3RD YEAR MAINTAINANCE					
1	02.10.02	Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug)	Nos	1666	103.79	100	1729
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	1666	545.08	100	9081
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	1666	103.19	100	1719
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	1.00	3032.48	1	3032
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	1	2048	1	2048
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	1	3000.00	1	3000
Unit cost as per FSR 2016 - 17 :							20610
Add 10% escalation on FSR 2016 - 17 (Unit cost for 2017 - 18):							22671
Add 10% escalation on FSR 2017 - 18 (Unit cost for 2018 - 19):							24938
Add 10% escalation on FSR 2018 - 19 (Unit cost for 2019 - 20):							27432
Add 10% escalation on FSR 2019 - 20 (Unit cost for 2020 - 21):							30175
Add 10% escalation on FSR 2020 - 21 (Unit cost for 2021 - 22):							33193
Add 10% escalation on FSR 2021 - 22 (Unit cost for 2022 - 23):							36512
Add 10% escalation on FSR 2022 - 23 (Unit cost for 2023 - 24):							40163
Add 10% escalation on FSR 2023 - 24 (Unit cost for 2024 - 25):							44179
Add 10% escalation on FSR 2024 - 25 (Unit cost for 2025 - 26):							48597
Add 10% escalation on FSR 2025 - 26 (Unit cost for 2026 - 27):							53457
Add 10% escalation on FSR 2026 - 27 (Unit cost for 2027 - 28):							58803
Add 10% escalation on FSR 2027 - 28 (Unit cost for 2028 - 29.):							64683


District Forest Officer
SIDDIPET.

ANNEXURE - D

Unit Cost for 4th year maintenance of N.T.S.H. Plantations 3m X 2m. (SMM) 1666 plants per Ha
Unit Rate per Ha

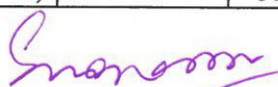
Sl No	Code	Item of work	Units	Qty	Rate	Per	Amount
	1	2	3	4	5	6	7
		4TH YEAR MAINTAINANCE					
1	02.10.02	Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug)	Nos	1666	103.79	100	1729
2	02.10.03	Circular weeding cum Deep soil working to a radius of 0.5 m and to a depth of 15 cm (to be done by pick-axe only) without damaging the plant during Nov - Dec	Nos	1666	545.08	100	9081
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	1666	103.19	100	1719
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	1.00	3032.48	1	3032
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	1	2048	1	2048
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	1	3000.00	1	3000
Unit cost as per FSR 2016 - 17 :							20610
Add 10% escalation on FSR 2016 - 17 (Unit cost for 2017 - 18):							22671
Add 10% escalation on FSR 2017 - 18 (Unit cost for 2018 - 19):							24938
Add 10% escalation on FSR 2018 - 19 (Unit cost for 2019 - 20):							27432
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Add 10% escalation on FSR 2021 - 22 (Unit cost for 2022 - 23):							36512
Add 10% escalation on FSR 2022 - 23 (Unit cost for 2023 - 24):							40163
Add 10% escalation on FSR 2023 - 24 (Unit cost for 2024 - 25):							44179
Add 10% escalation on FSR 2024 - 25 (Unit cost for 2025 - 26):							48597
Add 10% escalation on FSR 2025 - 26 (Unit cost for 2026 - 27):							53457
Add 10% escalation on FSR 2026 - 27 (Unit cost for 2027 - 28):							58803
Add 10% escalation on FSR 2027 - 28 (Unit cost for 2028 - 29.):							64683

S. Anand
District Forest Officer
SIDDIPET.

ANNEXURE - D

**Unit Cost for 5th year maintenance of N.T.S.H. Plantations 3m X 2m. (SMM) 1666 plants per Ha
Unit Rate per Ha**

Sl No	Code	Item of work	Units	Qty	Rate	Per	Amount
	1	2	3	4	5	6	7
		5TH YEAR MAINTAINANCE					
1	02.10.02	Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug)	Nos	1666	103.79	100	1729
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	1666	545.08	100	9081
3	02.11.02	Pruning of lower branch initials of Timber and NTFP species by sciculture upto 1/3 rd height (to be done during July-Aug)	Nos	1666	103.19	100	1719
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	1.00	3032.48	1	3032
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	1	2048	1	2048
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	1	3000.00	1	3000
Unit cost as per FSR 2016 - 17 :							20610
Add 10% escalation on FSR 2016 - 17 (Unit cost for 2017 - 18):							22671
Add 10% escalation on FSR 2017 - 18 (Unit cost for 2018 - 19):							24938
Add 10% escalation on FSR 2018 - 19 (Unit cost for 2019 - 20):							27432
Add 10% escalation on FSR 2019 - 20 (Unit cost for 2020 - 21):							30175
Add 10% escalation on FSR 2020 - 21 (Unit cost for 2021 - 22):							33193
Add 10% escalation on FSR 2021 - 22 (Unit cost for 2022 - 23):							36512
Add 10% escalation on FSR 2022 - 23 (Unit cost for 2023 - 24):							40163
Add 10% escalation on FSR 2023 - 24 (Unit cost for 2024 - 25):							44179
Add 10% escalation on FSR 2024 - 25 (Unit cost for 2025 - 26):							48597
Add 10% escalation on FSR 2025 - 26 (Unit cost for 2026 - 27):							53457
Add 10% escalation on FSR 2026 - 27 (Unit cost for 2027 - 28):							58803
Add 10% escalation on FSR 2027 - 28 (Unit cost for 2028 - 29.):							64683


District Forest Officer
SIMPET.

ANNEXURE - D

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

Sl No	Code	Item of work	Units	Qty	Rate	Per	Amount
	1	2	3	4	5	6	7
		6TH YEAR MAINTAINANCE					
1	02.10.02	Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug)	Nos	1666	103.79	100	1729
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	1666	545.08	100	9081
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	1666	103.19	100	1719
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	1.00	3032.48	1	3032
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	1	2048	1	2048
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	1	3000.00	1	3000
Unit cost as per FSR 2016 - 17 :							20610
Add 10% escalation on FSR 2016 - 17 (Unit cost for 2017 - 18):							22671
Add 10% escalation on FSR 2017 - 18 (Unit cost for 2018 - 19):							24938
Add 10% escalation on FSR 2018 - 19 (Unit cost for 2019 - 20):							27432
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Add 10% escalation on FSR 2021 - 22 (Unit cost for 2022 - 23):							36512
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Add 10% escalation on FSR 2026 - 27 (Unit cost for 2027 - 28):							58803
Add 10% escalation on FSR 2027 - 28 (Unit cost for 2028 - 29.):							64683

[Signature]
District Forest Officer
SUDIPET.

ANNEXURE - D

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

Sl No	Code	Item of work	Units	Qty	Rate	Per	Amount
	1	2	3	4	5	6	7
		7TH YEAR MAINTAINANCE					
1	02.10.02	Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug)	Nos	1666	103.79	100	1729
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	1666	545.08	100	9081
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	1666	103.19	100	1719
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	1.00	3032.48	1	3032
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	1	2048	1	2048
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	1	3000.00	1	3000
Unit cost as per FSR 2016 - 17 :							20610
Add 10% escalation on FSR 2016 - 17 (Unit cost for 2017 - 18):							22671
Add 10% escalation on FSR 2017 - 18 (Unit cost for 2018 - 19):							24938
Add 10% escalation on FSR 2018 - 19 (Unit cost for 2019 - 20):							27432
Add 10% escalation on FSR 2019 - 20 (Unit cost for 2020 - 21):							30175
Add 10% escalation on FSR 2020 - 21 (Unit cost for 2021 - 22):							33193
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Add 10% escalation on FSR 2025 - 26 (Unit cost for 2026 - 27):							53457
Add 10% escalation on FSR 2026 - 27 (Unit cost for 2027 - 28):							58803
Add 10% escalation on FSR 2027 - 28 (Unit cost for 2028 - 29.):							64683

District Forest Officer
Siddipet


District Forest Officer
SIDDIPET.

ANNEXURE - D

Unit Cost for 8th year maintenance of N.T.S.H. Plantations 3m X 2m. (SMM) 1666 plants per Ha
Unit Rate per Ha

Sl No	Code	Item of work	Units	Qty	Rate	Per	Amount
	1	2	3	4	5	6	7
		7TH YEAR MAINTAINANCE					
1	02.10.02	Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug)	Nos	1666	103.79	100	1729
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	1666	545.08	100	9081
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	1666	103.19	100	1719
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	1.00	3032.48	1	3032
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	1	2048	1	2048
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	1	3000.00	1	3000
Unit cost as per FSR 2016 - 17 :							20610
Add 10% escalation on FSR 2016 - 17 (Unit cost for 2017 - 18):							22671
Add 10% escalation on FSR 2017 - 18 (Unit cost for 2018 - 19):							24938
Add 10% escalation on FSR 2018 - 19 (Unit cost for 2019 - 20):							27432
Add 10% escalation on FSR 2019 - 20 (Unit cost for 2020 - 21):							30175
Add 10% escalation on FSR 2020 - 21 (Unit cost for 2021 - 22):							33193
Add 10% escalation on FSR 2021 - 22 (Unit cost for 2022 - 23):							36512
Add 10% escalation on FSR 2022 - 23 (Unit cost for 2023 - 24):							40163
Add 10% escalation on FSR 2023 - 24 (Unit cost for 2024 - 25):							44179
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Add 10% escalation on FSR 2025 - 26 (Unit cost for 2026 - 27):							53457
Add 10% escalation on FSR 2026 - 27 (Unit cost for 2027 - 28):							58803
Add 10% escalation on FSR 2027 - 28 (Unit cost for 2028 - 29.):							64683


District Forest Officer
SIDDIPET.

ANNEXURE - D

Unit Cost for 8th year maintenance of N.T.S.H. Plantations 3m X 2m. (SMM) 1666 plants per Ha
Unit Rate per Ha

Sl No	Code	Item of work	Units	Qty	Rate	Per	Amount
	1	2	3	4	5	6	7
		7TH YEAR MAINTAINANCE					
1	02.10.02	Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug)	Nos	1666	103.79	100	1729
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	1666	545.08	100	9081
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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	1	2048	1	2048
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	1	3000.00	1	3000
Unit cost as per FSR 2016 - 17 :							20610
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Add 10% escalation on FSR 2019 - 20 (Unit cost for 2020 - 21):							30175
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Add 10% escalation on FSR 2026 - 27 (Unit cost for 2027 - 28):							58803
Add 10% escalation on FSR 2027 - 28 (Unit cost for 2028 - 29):							64683

Srinivas
District Forest Officer
SIDDIPET.

ANNEXURE - D

Unit Cost for 8th year maintenance of N.T.S.H. Plantations 3m X 2m. (SMM) 1666 plants per Ha
Unit Rate per Ha

Sl No	Code	Item of work	Units	Qty	Rate	Per	Amount
	1	2	3	4	5	6	7
		7TH YEAR MAINTAINANCE					
1	02.10.02	Circular weeding to a radius of 0.50 m around the plant during raising year (July - Aug)	Nos	1666	103.79	100	1729
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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	1666	103.19	100	1719
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Unit cost as per FSR 2016 - 17 :							20610
Add 10% escalation on FSR 2016 - 17 (Unit cost for 2017 - 18):							22671
Add 10% escalation on FSR 2017 - 18 (Unit cost for 2018 - 19):							24938
Add 10% escalation on FSR 2018 - 19 (Unit cost for 2019 - 20):							27432
Add 10% escalation on FSR 2019 - 20 (Unit cost for 2020 - 21):							30175
Add 10% escalation on FSR 2020 - 21 (Unit cost for 2021 - 22):							33193
Add 10% escalation on FSR 2021 - 22 (Unit cost for 2022 - 23):							36512
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Add 10% escalation on FSR 2024 - 25 (Unit cost for 2025 - 26):							48597
Add 10% escalation on FSR 2025 - 26 (Unit cost for 2026 - 27):							53457
Add 10% escalation on FSR 2026 - 27 (Unit cost for 2027 - 28):							58803
Add 10% escalation on FSR 2027 - 28 (Unit cost for 2028 - 29.):							64683

[Signature]
District Forest Officer
Siddipet.

**FIXING OF CHAINLINK FENCING AROUND THE CA LAND PROPOSED IN SIDDIPET AND
HUSNABAD RANGES OF SIDDIPET DISTRICT.**

Sl. 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								
	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								
	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								
	Weight of each angle of 3.10 m length of size 65mm								
	Total weight of 335 angles is 3335x18.10=6063.50					6063.5	39.00	1	236477
	Total length of angles required 4020x3.10=12462.00								
4	Supply of M.S.Flats/patties (For hold Fast) of size 50mm								
	Total length of patties required for 1000 no.of angles @								
	Volume per m length of :								
	Weight for meter length (@ 7850 Kg/Cu.m)=2.36 Kg								
	Total Weight for 335x2.5=837.5length x 2.36=1976.5kgs								
	Net Qty					1976.5	39.00	1	77084
5	Supply of Nuts,Bolts and Washers etc for the fixing of					57	100.00	Kgs	5700
	Supply of binding wire including cost of the material,								
6	Supply of Hot dipped Galvanised Iron Chain link mesh 8								
	Quantity required for 12450 m length and 2.500 m height:					2500	239.00	Sqm	597500
	LS & Unforeseen items								24518
	TOTAL								1295000


 District Forest Officer
 Siddipet

**FIXING OF CHAINLINK FENCING AROUND THE CA LAND PROPOSED IN SIDDIPET AND
HUSNABAD RANGES OF SIDDIPET DISTRICT.**

Sl. No	Description	No's	Length	Breadth	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								
	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	112.84	cum	5361
2	Plain Cement Concrete (1:5:10) prop nominal mix								
	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	931.70	cum	44267
3	Plain Cement concrete (M 20) Nominal Mix using 20mm								
	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								
		1 x 72762				2500	24.00	Kgs	60000
	Add Ls for U/F items								13193
	Total								175000



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