

CA Scheme for the area 30.36 Ha in lieu of diversion of Forest land in different Reserve Forest of forest divisions for laying of pipeline and construction of structures under Telangana Drinking Water supply project of water grid in favour of RWS&S Department of Venkatapuram division of Jayashankar District Bhupalpally.

Sl.No	Item of work	Amount in Lakhs
1	Nurseries infrastructure and Maintenance	29.500
2	Raising of Plantation and Maintenance	89.258
3	Digging of Trench, Bund planting and Maintenance	6.459
4	Administrative cost	12.522
5	Engaging of Protection watchers for (3) years 2 No's x Rs. 6500 x 36 (M) = 4.68 L	4.680
6	SMC works like construction of check dams, RFD's and MPT etc	30.000
7	Costruction of supervising hut for protection watcher	20.000
8	Providing fencing to the CA Areas Rs.3.44 KM @ Rs.12.00 L /KM	41.280
9	Providing of solar bore well with percolation tank	10.000
10	Purchase of fire protection blowers Rs. 50000 / each	1.500
11	Construction of watch tower	7.000
12	Erection of Publicity boards Rs. 15000 / each	3.000
13	Others Misc	0.800
	Total::	256.000


 Forest Divisional Officer,
 (FAC) Venkatapruam

Sl. No		Item of work	ABSTRACT OF 30.36 Ha C.A.Scheme of Venkatapuram division of Jayashankar Bhupalpally dist																														
			2017-18			2018-19			2019-20			2020-21			2021-22			2022-23			2023-24			2024-25			2025-26			2026-27			Grand total (in lakhs)
Phy	Rate	Amount in lakhs	Phy	Rate	Amount in lakhs	Phy	Rate	Amount in lakhs	Phy	Rate	Amount in lakhs	Phy	Rate	Amount in lakhs	Phy	Rate	Amount in lakhs	Phy	Rate	Amount in lakhs	Phy	Rate	Amount in lakhs	Phy	Rate	Amount in lakhs	Phy	Rate	Amount in lakhs	Phy	Rate	Amount in lakhs	
I Nurseries																																	
1	Infrastructure for developing the nursery			14.000																												14.000	
2	Raising (30.36 Ha x 1333 =40470 or 50000 bag plants)	50000	24.00	12.000																												12.000	
3	Maintenance				50000	7.00	3.500				0			0			0			0			0			0			0		0	3.500	
SUB-TOTAL				26.000		3.500			0		0		0		0		0		0		0		0		0		0		0		0	29.500	
II Raising of Plantation (NTSH-SMM)																																	
1	Advance Operation	30.360	25300	7.681																												7.681	
2	Raising of Plantation				30.360	57000	17.305																									17.305	
3	1st Year Maint.of Plantation							30.360	30700	9.321																						9.321	
4	2nd Year Maint.of Plantation										30.360	19100	5.799																			5.799	
5	3rd Year Maint.of Plantation													30.360	21000	6.376																6.376	
6	4th Year Maint.of Plantation																30.360	23100	7.013													7.013	
7	5th Year Maint.of Plantation																		30.360	25400	7.711											7.711	
8	6th Year Maint.of Plantation																				30.360	27900	8.470									8.470	
9	7th Year Maint.of Plantation																						30.360	30700	9.321							9.321	
10	8th Year Maint.of Plantation																										30.360	33800	10.262			10.262	
SUB-TOTAL				7.681		17.305			9.321		5.799		6.376		7.013		7.711		8.470							9.321		30.360	33800	10.262		10.262	89.258
III Bund Planting																																	
1	Digging of CPCT work (3.44 Kms) Trench Size Top Width 2.00 M, Bottom Width 1.50 M, Depth:2.00 M (Unit Cum)	12040	42.40	5.105																												5.105	
2	Digging of Staggered Trenches (Trench size 6.00 M x 0.30M x 0.45 M) (100 Nos x6x0.3x0.45=81 Cum	81.00	242.48	0.196																												0.196	
3	Raising of Bund planting (2 Rows, Esp:2.00 Mtrs																															0.000	
4	Raising of Plantation				3.00	14000	0.420																									0.420	
5	1st Year Maint.of Plantation							3.00	4000	0.120																						0.120	
6	2nd Year Maint.of Plantation										3.00	4400	0.132																			0.132	
7	3rd Year Maint.of Plantation													3.00	4900	0.147																0.147	
8	4th Year Maint.of Plantation																3.00	5400	0.162													0.162	
9	5th Year Maint.of Plantation																		3.00	5900	0.177											0.177	
SUB-TOTAL				5.301		0.420		0.120		0.132		0.147		0.162		0.177		0.000		0.000		0.000		0.000		0.000		0.000		0.000		6.459	
GRAND TOTAL				38.982		21.225		9.441		5.931		6.523		7.175		7.888		8.470		9.321		10.262		12.522		10.262		11.288		10.262		125.218	
IV Overhead Misc Exp (10%)																																	
				3.898		2.123		0.944		0.593		0.652		0.718		0.789		0.847		0.932		1.026		12.522									
CA TOTAL				42.881		23.348		10.385		6.524		7.175		7.893		8.677		9.317		10.253		11.288		137.740									
V Other Items																																	
1	Engaging of Protection watchers for (3) years 2 No's x Rs. 6500 x 36 (M) = 4.68 L	2.00		1.560	2.00		1.560	2.00		1.560																						4.680	
2	SMC works like construction of check dams, RFD's and NPT etc			10.000			10.000			10.000																						30.000	
3	Costruction of supervising hut for protection watcher	1		20.000																												20.000	
4	Providing fencing to the CA Areas Rs.3.44 KM @ Rs. 12.00 / KM	3.44		41.280																												41.280	
5	Providing of solar bore well with percolation tank	1		10.000																												10.000	
6	Purchase of fire protection blowers Rs. 50000 / each	3		1.500																												1.500	
7	Construction of watch tower	1		7.000																												7.000	
8	Erection of Publicity boards Rs. 15000 / each	20		3.000																												3.000	
9	Others Misc			0.800																												0.800	
GRAND TOTAL				138.021		34.908		21.945		6.524		7.175		7.893		8.677		9.317		10.253		11.288		256.000									


District Forest Officer
Jayashankar Dist.
Bhupalpally.


 Sd/-Forest Divisional Officer
 Venkatapuram

Infrastructure for developing the nursery

Sl. No.	Item of work	FSR Item No.	Qty	Rate	Per	Amount
1	Errection of Chainlink fencing/ Construction of Compound wall around the nursery			LS		800000
2	Construction and maintenance of seed store room			LS		500000
3	Electricity charges and Water charges			LS		100000
4	Procurement of UPS / Generator in case of power failure					
	TOTAL					1400000


Forest Divisional Officer
Mahadevpur

Raising of Misc 10,000 Nos bag plant nursery 10 Beds)

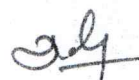
Sl. No.	Item of work	FSR Item No.	Qty	Rate	Per	Amount
		5000	Direct bags			
		5000	Primary Beds			
		10000				
	Primary Bed Nursery					
	Raising of Primary beds of size 1x1x0.3 m. for raising of Red sander species) (50 Beds, Per Bed 100 Nos)					
1	Preparation of Old site by clearing the site by dismantling old beds	01.01.02	50.00	1.08	Per Bed	54
2	Digging soil to a depth of 30 cm	01.01.03	50.00	33.26	Per Bed	1663
3	Cost of sandy soil and transportation with 5 kms lead loading and unloading charges (sandy soil and FYM, in 5:1 ratio i.e., 0.125 cum sandy soil and 0.025 cum FYM per primary bed	01.01.04	50.00	25.45	Per Bed	1273
4	For every extra km beyond 5 km upto 25 km (45 kms)	01.01.05	50.00	45.45	Per Bed	2273
4	Cost and transport of 0.025 cum FYM	01.01.06	50.00	21.87	Per Bed	1094
4	Mixing of sandy soil and FYM	01.01.07	50.00	9.45	Per Bed	473
4	Covering the beds with dried grass and leaf litter and burning them to ash which can from the upper layer	01.01.08	50.00	10.80	Per Bed	540
4	Cost of seed	01.01.10				5000
7	Sowing of seed	01.01.12	50.00	10.75	Per Bed	538
8	Watering the primary nursery beds with rose water cans for a maximum period of 2 months	01.01.13	50 x 2 Months	12.10	Per Bed / Month	1210
10	Cost of insecticides / Fertilizers	01.01.15	As per actuals			1000
11	Application of insecticides / Fertilizers	01.01.16	by watcher			0
12	Misc Exp					884
	Sub-Total-I					16000
	Bed size: 10x1x0.25 Mts (Bag size 4"x7")					
	Bag Plant Nursery (10000/2600=3.84 or 4 Beds)					
1	Site preparation for old site - Clearing of growth, weeds, grass etc.,	01.03.02	6.00	11.56	Per Bed	69
2	Cost and transport of ingredients for Potting mixture Red soil and Clayey soils in 2:1 ratio upto 5 Kms lead	01.03.05	10000	174.06	1000	1741
2	Cost and transport of ingredients for Potting mixture Red soil and Clayey soils in 2:1 ratio beyond 5 Kms lead (20 Kms)	01.03.07	10000	90.80	1000	908
3	Alignment of beds including alignment of inspection path etc.,	01.03.11	6.00	6.59	Per Bed	40
4	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 tips and arranging in beds	01.03.09	10000	509.22	1000	5092
5	Cost of Polythene bags 4x7, 200 gauge 4x7 (including 10% casualties) (589 bags /Kg)	01.03.03	19	135.00	Kg	2565
6	Picking out seedlings from primary beds and transplanting in bags	01.03.12	10000	122.74	1000	1227
9	Watering the plants twice a day from July to October	01.03.14	6 x 4 Months	238.19	Per Bed / Month	5717
10	Weeding the beds					
	1st Weeding - July	01.03.16	6.00	43.74	Per Bed / Weeding	262
	2nd Weeding - August	01.03.17	6.00	43.74	Per Bed / Weeding	262
	3rd Weeding - September	01.03.18	6.00	43.74	Per Bed / Weeding	262
11	Shifting and Grading and re-arranging in beds for 10m x 1m size bed (1700 5"x9" bags)	01.03.19	6.00	204.28	Per Bed / Shifting	1226
12	Replacement of casualties after sorting out the empty bags and keeping at one end of the bed	01.03.20	0.6	58.00	Bed	35
13	Cost of chemicals, Insecticides, pesticides etc.,		As per actuals			5000
17	Watch and Ward for the month of July to October		1 No x 4 Months	7500.00	Per Month	30000
18	Misc exp					839
	Sub-Total-II					55245
	Conversion (4"x7" to 6"x12")					
	Bag Plant Nursery (10000/1100=9.09 or 10.00 Beds)					
1	Cost and transport of ingredients for Potting mixture Red soil, Tank silt, FYM upto 5 km lead	01.03.26	10000	494.29	1000	4943

Sl. No.	Item of work	FSR Item No.	Qty	Rate	Per	Amount
2	Cost and transport of ingredients for Potting mixture Red soil, Tank silt, FYM beyond 5 km to 25 Kms lead	01.03.31	10000	257.60	1000	2576
3	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 tips and arranging in beds	01.03.36	10000	870.78	1000	8708
4	Weeding the plants					
	1st Weeding - Dec	01.03.44	10.00	43.74	Per Bed / Weeding	437
	2nd Weeding - Feb	01.03.45	10.00	43.74	Per Bed / Weeding	437
5	Shifting and Grading and re-arranging in beds for 10m x 1m size bed (1700 5"x9" bags)	01.03.46	10.00	204.28	Per Bed / Shifting	2043
6	Watering the plants twice a day from Nov to March	01.03.47	10 x 5 Months	238.19	Per Bed / Month	11910
7	Cost of chemicals, Insecticides, pesticides etc.,		As per actuals			5000
8	Watch and Ward for the month of July to October		1 No x 5 Months	7500.00	Per Month	37500
9	Cost of Polythene bags 6x12		37	135.00	Kg	4995
10	Misc exp					367
	Sub-Total-III					170000
	GRAND TOTAL(10000 Nos)					241245
	2016-17				Each Bag	24.12
					Or	24.00


 Forest Divisional Officer
 Mahadevpur

Maintenance of Misc Bag nursery from April to August

Sl. No.	Item of work	FSR Item No.	Qty	Rate	Per	Amount
1	Watering the plants for 10M x 1 M size bed from April to August (6"x12")	01.04.01	10x 5 Months	238.19	Per bed / Month	11910
2	Weeding once during maintenance year	01.04.03	10.00	43.74	Per bed / weeding	437
3	Shifting and Grading and Re-arranging in beds for 10 M x1 M size bed (Once in April and another in June)	01.04.04	10.00	215.68	Per Bed / Shifting	2157
4	Cost of cow dung slurry	01.04.07		As per actuals		5000
5	Application of cow dung slurry	01.04.08	10000	179.17	1000	1792
6	Watch and Ward for the month of April to August		1 No x 5 Months	7500.00	Per Month	37500
7	Misc Exp					5205
	2016-17					64000
	2017-18 (Add 10% Escallation charges)					70400
	Per bag					7.040


 Forest Divisional Officer
 Mahadevpur

1 KM: Unit cost

Raising of Bund planting (LIM) (Pongamia: Top: Esp 4.00 Mts) and Slopes dibbling of Gacchakaya seeds esp 1.00 Mt

Sl. No.	Item of work	FSR Code	Qty	Rate	Per	Amount
	Raising of Gacchakaya					
1	Cost of Gacchakaya (1 KM)		6	200	Kg	1200
2	Dibbling of Gacchakaya on bund slopes	05.08.18	1	374.30	Km	374
	Raising of Pongamia bag plants (Esp:4.00 Mts)					
3	Cost of 0.45 M Stake preparation and transportation to site.	02.01.09	250	47.30	100	118
4	Digging of pits in Ordinary soils 45 cm. cube pits	02.01.11	250	18.75	each	4688
5	Transportation of bag plants from nursery site to planting site					
	Upto 5 Km lead	02.02.02	250	96.79	100	242
	Beyond 5 Kms to 25 Kms lead (20 Kms)	02.02.05	250	67.60	100	169
	Beyond 25 Kms lead (25 Kms)	02.02.08	250	42.25	100	106
6	Internal transport of bag plants to planting points on head loads.	02.02.11	250	76.25	100	191
7	Planting Bag Plants :45cmX45cmX45 cm pits	02.02.16	250	363.37	100	908
8	1st Circular weeding to a radius of 0.5m around the plant after 30 days of planting	02.02.20	250	103.79	100	259
9	2nd Circular weeding to a radius of 0.5m around the plant after 90 days of planting	02.02.21	250	103.79	100	259
10	Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Ordinary soils	02.02.22	250	363.37	100	908
11	Cost of Fertilisers	02.02.18	250	As per actuals		500
12	Application of fertilizer after planting by making 3 holes of 10 cmts depth with crow bar . 10 cmts away from plant amd putting fertilizers and closing	02.02.19	250	32.62	100	82
13	Replacement of Casualties 20% during Raising & 25% in 1st year (In case oif Eucalyptus 10% during raising and no casualty replacement for further maintenance) (250x20%=50)	02.02.31				
	Pitting - 50% rate	02.01.11	50	937.50	100	469
	Planting - 50% rate	02.02.16	50	181.69	100	91
	Transportation upto 5 Kms-50% rate	02.02.02	50	48.40	100	24
	Transportation beyond 5 to 25 Km-50% rate	02.02.05	50	33.80	100	17
	Transportation beyond 25 Km-50% rate	02.02.08	50	21.13	100	11
	Internal transport ation-50% rate	02.02.11	50	38.13	100	19
14	Misc Exp					865
	2016-17					11500
	2017-18 (Add 10% Escallation charges)					12650
	2018-19 (Add 10% Escallation charges)					13915
					Or	14000

Forest Divisional Officer
Mahadevpur

1 KM:Unit cost

1st Year maintenance of Bund Planting

Sl. No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	1st Circular weeding to a radius of 0.5m around the plant	02.03.02	250	103.79	100	259
2	2nd Circular weeding to a radius of 0.5m around the plant after 90 days of planting	02.03.03	250	103.79	100	259
3	Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Ordinary soils	02.03.04	250	363.37	100	908
4	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no casualty replacement for further maintenance) (250x25%=62)	02.03.06				
	Pitting - 50% rate	02.01.11	50	937.50	100	469
	Planting - 50% rate	02.02.16	50	181.69	100	91
	Transportation upto 5 Kms-50% rate	02.02.02	50	48.40	100	24
	Transportation beyond 5 to 25 Km-50% rate	02.02.05	50	33.80	100	17
	Transportation beyond 25 Km-50% rate	02.02.08	50	21.13	100	11
	Internal transportation-50% rate	02.02.11	50	38.13	100	19
5	Pruning of lower branch	02.03.08	250	103.19	100	258
6	Misc exp					684
	2016-17					3000
	2017-18 (Add 10% Escallation charges)					3300
	2018-19 (Add 10% Escallation charges)					3630
	2019-20 (Add 10% Escallation charges)					3993
					or	4000


 Forest Divisional Officer
 Mahadevpur

1 KM:Unit cost

2nd Year maintenance of Bund Planting

Sl. No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	1st Circular weeding to a radius of 0.5m around the plant	02.04.01	250	103.79	100	259
2	2nd Circular weeding to a radius of 0.5m around the plant after 90 days of planting	02.04.02	250	103.79	100	259
3	Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Ordinary soils	02.04.03	250	363.37	100	908
4	Coppice cutting growth	02.04.05	1	810.22	Ha	810
5	Misc exp					762
	2016-17					3000
	2017-18 (Add 10% Escallation charges)					3300
	2018-19 (Add 10% Escallation charges)					3629
	2019-20 (Add 10% Escallation charges)					3992
	2020-21 (Add 10% Escallation charges)					4392
					or	4400


 Forest Divisional Officer
 Mahadevpur

1 KM:Unit cost

3rd Year maintenance of Bund Planting

Sl. No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	1st Circular weeding to a radius of 0.5m around the plant	02.04.01	250	103.79	100	259
2	2nd Circular weeding to a radius of 0.5m around the plant after 90 days of planting	02.04.02	250	103.79	100	259
3	Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Ordinary soils	02.04.03	250	363.37	100	908
4	Coppice cutting growth	02.04.05	1	810.22	Ha	810
5	Misc exp					762
	2016-17					3000
	2017-18 (Add 10% Escallation charges)					3300
	2018-19 (Add 10% Escallation charges)					3629
	2019-20 (Add 10% Escallation charges)					3992
	2020-21 (Add 10% Escallation charges)					4392
	2021-22 (Add 10% Escallation charges)					4831
					or	4900


Forest Divisional Officer
Mahadevpur

1 KM:Unit cost

4th Year maintenance of Bund Planting

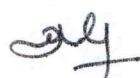
Sl. No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	1st Circular weeding to a radius of 0.5m around the plant	02.04.01	250	103.79	100	259
2	2nd Circular weeding to a radius of 0.5m around the plant after 90 days of planting	02.04.02	250	103.79	100	259
3	Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Ordinary soils	02.04.03	250	363.37	100	908
4	Coppice cutting growth	02.04.05	1	810.22	Ha	810
5	Misc exp					762
	2016-17					3000
	2017-18 (Add 10% Escallation charges)					3300
	2018-19 (Add 10% Escallation charges)					3629
	2019-20 (Add 10% Escallation charges)					3992
	2020-21 (Add 10% Escallation charges)					4392
	2021-22 (Add 10% Escallation charges)					4831
	2022-23 (Add 10% Escallation charges)					5314
					or	5400


Forest Divisional Officer
Venkatapuram

1 KM:Unit cost

5th Year maintenance of Bund Planting

Sl. No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	1st Circular weeding to a radius of 0.5m around the plant	02.04.01	250	103.79	100	259
2	2nd Circular weeding to a radius of 0.5m around the plant after 90 days of planting	02.04.02	250	103.79	100	259
3	Deep soil working to a radius of 0.5 m. and to a depth of 10 without damaging the plant in Ordinary soils	02.04.03	250	363.37	100	908
4	Coppice cutting growth	02.04.05	1	810.22	Ha	810
5	Misc exp					762
	2016-17					3000
	2017-18 (Add 10% Escallation charges)					3300
	2018-19 (Add 10% Escallation charges)					3629
	2019-20 (Add 10% Escallation charges)					3992
	2020-21 (Add 10% Escallation charges)					4392
	2021-22 (Add 10% Escallation charges)					4831
	2022-23 (Add 10% Escallation charges)					5314
	2023-24 (Add 10% Escallation charges)					5845
					or	5900


Forest Divisional Officer
Venkatapuram

UNIT COST 1.00 Ha

Advance Operations for Raising of NTSH Plantation 3 X 3 M. (SMM)

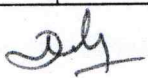
Sl. No	Item of work	Code	Qty	Rate	Units	Amount
1	Survey with GPS (Only staff to carry out) (Staff to carryout GPS Survey. One manday is allowed for assistance)	02.08.01	1.00	311.04	Plantation	311
2	Clearing unsealable unwanted jungle growth, Spreading the cut material allover the site and Burning the same twice till completely burnt.					
a	Very Light Jungle growth (>10% and upto 20% ground area covered with Jungle growth) (50%)	02.08.03	0.50	2598.59	Ha.	1299
b	Light Jungle growth (>20% and upto 30% ground area covered with Jungle growth) (50%)	02.08.04	0.50	5207.65	Ha.	2604
3	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.					
a	Very Light Jungle growth (>10% and upto 20% ground area covered with Jungle growth) (50%)	02.08.06	0.50	8434.51	Ha.	4217
b	Light Jungle growth (>20% and upto 30% ground area covered with Jungle growth) (50%)	02.08.07	0.50	10965.25	Ha.	5483
4	Collection and removal of uprooted stumps of all sizes, other debris etc., to outside the plantation site.					
a	Very Light Jungle growth (>10% and upto 20% ground area covered with Jungle growth) (50%)	02.08.08	0.50	7363.33	Ha.	3682
b	Light Jungle growth (>20% and upto 30% ground area covered with Jungle growth) (50%)	02.08.09	0.50	8585.68	Ha.	4293
5	Misc Exp					1111
	2016-17					23000
	2017-18 (Add 10% Escallation charges)					25299
	2017-18 (Add 10% Escallation charges)				Or	25300


Forest Divisional Officer
Venkatapuram

Raising of NTSB Plantation 3x3M (Semi Mechanical Method)

Sl. No.	Item of work	FSR Item No.	Qty	Rate	Per	Amount
1	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)					
	Ordinary soils	02.09.01	1.00	3004.60	Ha	3005
2	Removing congestion of root suckers and other uprooted material hindering the effective ploughing (For Non-tilled area only)	02.09.04	1	853.42	Ha	853
3	Alignment and staking including laying base line for Misc with espacement 3m x 3m (1111 Nos)	02.09.07	1111	63.30	100	703
4	Cost of 0.45 M stake preparation and transportation to site	02.09.09	1111	47.30	100	526
5	Digging of 45 cm cube pits	02.09.11	1111	8.84	each	9821
6	Transportation of bag plants from nursery site to plantation site including loading and unloading (6x12 bag size) Total:60 KMs					
	Upto 5 KMs	02.09.13	1111	96.79	100	1075
	beyond 5 Kms to 25 Kms	02.09.16	1111	67.60	100	751
	above 25 Kms (35 Kms)	02.09.19	1111	59.15	100	657
7	Internal transportation of bag plants to planting points on head loads	02.09.22	1111	76.25	100	847
8	Planting bag plants (45cmx45cmx45cm pits)	02.09.27	1111	363.37	100	4037
9	Cost of SSP	02.09.25	1111	As per actuals		2222
10	Application of SSP	02.09.24	1111	32.62	100	362
11	Circular weeding to a radius of 0.5 Mts	02.09.31	1111	103.79	100	1153
12	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant	02.09.32	1111	545.08	100	6056
13	Replacement of Casualties 20% (Bag plants) (1111x20%=222 Nos)	02.09.29				
	Pitting (50% rate)	02.09.11	222	442.00	100	981
	Planting(50% rate)	02.09.27	222	181.69	100	403
	Transportation:Upto 5 KMs(50% rate)	02.09.13	222	48.40	100	107
	beyond 5 Kms to 25 Kms	02.09.16	222	33.80	100	75
	above 25 Kms (35 Kms)	02.09.19	222	29.58	100	66
	Internal transportation (50% rate)	02.09.22	222	38.13	100	85

Sl. No.	Item of work	FSR Item No.	Qty	Rate	Per	Amount
14	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in Ordinary soils	02.09.33	1.00	2048.90	Ha	2049
15	Cost of Chemical fertilisers		1111	As per actuals		2222
16	Application of fertilizer after planting by making 3 holes of 10 cmts depth with crow bar . 10 cm away from plant amd putting fertilizers and closing	02.09.30	1111	32.62	100	362
17	Cost of protection watcher (7500x9M=67500/20=3375)	02.09.38	1 No	3375	PM	3375
19	Uprootal of Mahaveera weed (with prior approval of the CF/CCF)	02.09.36	1.00	3032.48	Ha	3032
19	Pruning of lower branches	02.09.35	1111	103.19	100	1146
20	Misc Exp					1026
	2016-17					47000
	2017-18 (Add 10% Escallation charges)					51700
	2018-19 (Add 10% Escallation charges)					56870
					Or	57000


 Forest Divisional Officer
 Venkatapuram

UNIT COST 1.00 Ha

1st Year maintenance of NTSB Plantation

Sl. No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	Replacement of Casualties 20% during Raising & 25% in 1st year (In case of Eucalyptus 10% during raising and no casualty replacement for further maintenance) (1111x20%=222)	02.10.01				
	Pitting	02.09.11	278	884.00	100	2458
	Planting	02.09.27	278	363.37	100	1010
	Transportation: Upto 5 KMs	02.09.13	278	96.79	100	269
	beyond 5 Kms to 25 Kms	02.09.16	278	67.60	100	188
	above 25 Kms (35 Kms)	02.09.19	278	59.15	100	164
	Internal transportation	02.09.22	278	76.25	100	212
2	Circular weeding to a radius of 0.5 Mts	02.10.02	1111	103.79	100	1153
3	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant	02.10.03	1111	545.08	100	6056
4	Uprootal of Mahaveera weed (with prior approval of the CF/CCF)	02.10.04	1.00	3032.48	Ha	3032
5	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in Ordinary soils	02.10.05	1.00	2048.90	Ha	2049
6	Pruning of lower branches	02.10.06	1111	103.19	100	1146
7	Cost of protection watcher (7500x12M=90000/20=4500)	02.10.08	1 No	4500	PM	4500
8	Misc Exp					762
	2016-17					23000
	2017-18 (Add 10% Escallation charges)					25300
	2018-19 (Add 10% Escallation charges)					27830
	2019-20 (Add 10% Escallation charges)					30613
					or	30700


 Forest Divisional Officer
 Venkatapuram

UNIT COST 1.00 Ha

2nd Year maintenance of NTSH Plantation

Sl. No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant	02.11.01	1111	545.08	100	6056
2	Pruning of lower branches	02.11.02	1111	103.19	100	1146
3	Cost of protection watcher (7500x12M=90000/20=4500)	02.10.08	1 No	4500	PM	4500
4	Misc Exp					1298
	2016-17					13000
	2017-18 (Add 10% Escallation charges)					14300
	2018-19 (Add 10% Escallation charges)					15730
	2019-20 (Add 10% Escallation charges)					17303
	2020-21 (Add 10% Escallation charges)					19034
					or	19100


 Forest Divisional Officer
 Venkatapuram

UNIT COST 1.00 Ha

3rd Year maintenance of NTSH Plantation

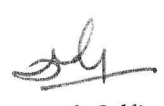
Sl. No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant	02.11.01	1111	545.08	100	6056
2	Pruning of lower branches	02.11.02	1111	103.19	100	1146
3	Cost of protection watcher (7500x12M=90000/20=4500)	02.10.08	1 No	4500	PM	4500
4	Misc Exp					1298
	2016-17					13000
	2017-18 (Add 10% Escallation charges)					14300
	2018-19 (Add 10% Escallation charges)					15730
	2019-20 (Add 10% Escallation charges)					17303
	2020-21 (Add 10% Escallation charges)					19034
	2021-22 (Add 10% Escallation charges)					20937
					or	21000


 Forest Divisional Officer
 Venkatapuram

UNIT COST 1.00 Ha

4th Year maintenance of NTSB Plantation

Sl. No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant	02.11.01	1111	545.08	100	6056
2	Pruning of lower branches	02.11.02	1111	103.19	100	1146
3	Cost of protection watcher (7500x12M=90000/20=4500)	02.10.08	1 No	4500	PM	4500
4	Misc Exp					1298
	2016-17					13000
	2017-18 (Add 10% Escallation charges)					14300
	2018-19 (Add 10% Escallation charges)					15730
	2019-20 (Add 10% Escallation charges)					17303
	2020-21 (Add 10% Escallation charges)					19034
	2021-22 (Add 10% Escallation charges)					20937
	2022-23 (Add 10% Escallation charges)					23031
					or	23100


 Forest Divisional Officer
 Venkatapuram

UNIT COST 1.00 Ha

5th Year maintenance of NTSB Plantation

Sl. No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant	02.11.01	1111	545.08	100	6056
2	Pruning of lower branches	02.11.02	1111	103.19	100	1146
3	Cost of protection watcher (7500x12M=90000/20=4500)	02.10.08	1 No	4500	PM	4500
4	Misc Exp					1298
	2016-17					13000
	2017-18 (Add 10% Escallation charges)					14300
	2018-19 (Add 10% Escallation charges)					15730
	2019-20 (Add 10% Escallation charges)					17303
	2020-21 (Add 10% Escallation charges)					19034
	2021-22 (Add 10% Escallation charges)					20937
	2022-23 (Add 10% Escallation charges)					23031
	2023-24 (Add 10% Escallation charges)					25334
					or	25400


 Forest Divisional Officer
 Venkatapuram

UNIT COST 1.00 Ha

6th Year maintenance of NTSB Plantation

Sl. No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant	02.11.01	1111	545.08	100	6056
2	Pruning of lower branches	02.11.02	1111	103.19	100	1146
3	Cost of protection watcher (7500x12M=90000/20=4500)	02.10.08	1 No	4500	PM	4500
4	Misc Exp					1298
	2016-17					13000
	2017-18 (Add 10% Escallation charges)					14300
	2018-19 (Add 10% Escallation charges)					15730
	2019-20 (Add 10% Escallation charges)					17303
	2020-21 (Add 10% Escallation charges)					19034
	2021-22 (Add 10% Escallation charges)					20937
	2022-23 (Add 10% Escallation charges)					23031
	2023-24 (Add 10% Escallation charges)					25334
	2024-25 (Add 10% Escallation charges)					27867
					or	27900


 Forest Divisional Officer
 Venkatapuram

UNIT COST 1.00 Ha

7th Year maintenance of NTSB Plantation

Sl. No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant	02.11.01	1111	545.08	100	6056
2	Pruning of lower branches	02.11.02	1111	103.19	100	1146
3	Cost of protection watcher (7500x12M=90000/20=4500)	02.10.08	1 No	4500	PM	4500
4	Misc Exp					1298
	2016-17					13000
	2017-18 (Add 10% Escallation charges)					14300
	2018-19 (Add 10% Escallation charges)					15730
	2019-20 (Add 10% Escallation charges)					17303
	2020-21 (Add 10% Escallation charges)					19034
	2021-22 (Add 10% Escallation charges)					20937
	2022-23 (Add 10% Escallation charges)					23031
	2023-24 (Add 10% Escallation charges)					25334
	2024-25 (Add 10% Escallation charges)					27867
	2025-26 (Add 10% Escallation charges)					30654
					or	30700


 Forest Divisional Officer
 Venkatapuram

UNIT COST 1.00 Ha

8th Year maintenance of NTSH Plantation

Sl. No	Item of work	FSR Code	Qty	Rate	Unit	Amount
1	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant	02.11.01	1111	545.08	100	6056
2	Pruning of lower branches	02.11.02	1111	103.19	100	1146
3	Cost of protection watcher (7500x12M=90000/20=4500)	02.10.08	1 No	4500	PM	4500
4	Misc Exp					1298
	2016-17					13000
	2017-18 (Add 10% Escallation charges)					14300
	2018-19 (Add 10% Escallation charges)					15730
	2019-20 (Add 10% Escallation charges)					17303
	2020-21 (Add 10% Escallation charges)					19034
	2021-22 (Add 10% Escallation charges)					20937
	2022-23 (Add 10% Escallation charges)					23031
	2023-24 (Add 10% Escallation charges)					25334
	2024-25 (Add 10% Escallation charges)					27867
	2025-26 (Add 10% Escallation charges)					30654
	2026-27 (Add 10% Escallation charges)					33719
					or	33800


 Forest Divisional Officer
 Venkatapuram

SOIL SUITABILITY CERTIFICATE

Certify that the Non-Forest land identified in Sy.No.01 for 33.823 Ha(83.578Acres) in Marikala (V) of Venkatapuram Mandal in Marikala Beat of Venkatapuram Range of Venkatapuram Division in lieu of diversion of Forest land in different Reserve Forest of forest divisions for Laying of Pipeline and Construction of Structures under Telangana Drinking Water Supply Project of Water grid in favour of RWS&S Department , inspected by me on 14.03.2017 along with Forest Range Officer, Venkatapuram and it is observed that the soil found in the said area is Red and it is suitable to raise Semi Mechanical Plantations, Bund Planting and the area is free of encroachments and alienation / assignments.



Sd/-Forest Divisional Officer,
(FAC)Venkatapuram

SOIL SUITABILITY CERTIFICATE

Certify that the Non-Forest land identified in Sy.No.01 for 30.36 Ha in Marikala (V) of Venkatapuram Mandal in Marikala Beat of Venkatapuram Range of Venkatapuram Division in lieu of diversion of Forest land in different Reserve Forest of forest divisions for Laying of Pipeline and Construction of Structures under Telangana Drinking Water Supply Project of Water grid in favour of RWS&S Department , inspected by me on 14.03.2017 along with Forest Range Officer, Venkatapuram and it is observed that the soil found in the said area is Red and it is suitable to raise Semi Mechanical Plantations, Bund Planting and the area is free of encroachments and alienation / assignments.


Sd/-Forest Divisional Officer,
(FAC)Venkatapuram