

119

COMPENSATORY AFFORESTATION SCHEME FOR RAISING 3.46 HA. PLANTATION IN NON-FOREST LAND IDENTIFIED BY THE USER AGENCY IN EDURUDONA VILLAGE OF N.P. KUNTA MANDAL AND DOSALEDU VILLAGE OF PUTLUR MANDAL OF ANANTHAPURAMU DISTRICT IN LIEU OF DIVERSION OF 3.20 HA. (MINING - 1.94 HA, ROAD - 0.69 HA. AND SAFETY ZONE 0.57 HA) OF FOREST LAND IN COMPARTMENT NO. 221 OF CHITTAPARA R.F. & BEAT OF CHITTOOR WEST DIVISION, CHITTOOR DISTRICT FOR QUARRY LEASE FOR EXTRACTION OF BLACK GRANITE IN FAVOUR OF M/S ANIL GRANITES, GUNTUR, PROP. SRI D. ANIL KUMAR.



In the light of the provisions contained under the Forest (Conservation) Act, 1980, it is mandatory to raise Compensatory Afforestation Plantation in lieu of forest area proposed to be diverted. The user agency i.e., M/s Anil. Granites, Guntur, Prop. Sri D. Anil Kumar, has identified non-forest land for CA over an extent of 3.46 Ha. in Sy. Nos. 182 to 186 & 188 (1.87 Ha) of Dosaledu village of Putlur mandal of Gooty Range and Sy.Nos. 17 (1.59 Ha) of Edurudona village of N.P. Kunta mandal of Kadiri Range of Ananthapuramu District in lieu of diversion of 3.20 Ha (Mining – 1.94 Ha, Road – 0.69 Ha and Safety zone 0.57 Ha) of forest land in Compartment No. 221 of Chittapara RF & beat of Chittoor West Division, Chittoor, in favour of M/s Anil Granites, Guntur, Prop. Sri D. Anil Kumar, for Quarry lease for Black Granite. The Non-Forest land identified by the user agency ie., 3.46 Ha will be treated for Raising of Compensatory Afforestation Plantation.

AREA :-

M/s Anil Granites, Guntur, Prop. Sri D. Anil Kumar has identified the Non-forest land towards Compensatory Afforestation over an extent of 3.46 Ha. in Sy. Nos. 182 to 186 & 188 (1.87 Ha) of Dosaledu village of Putlur mandal of Gooty Range and Sy.Nos. 17 (1.59 Ha) of Edurudona village of N.P. Kunta mandal in Kadiri Range of Ananthapuramu District. The non-forest land of **3.46 Ha.** will be treated for Raising Compensatory Afforestation Plantation with the funds to be deposited by the User Agency towards cost of C.A. The Non-forest land proposed to be treated is suitable for raising of plantation with species like *Hardwickia binata* (Narepi), *Holoptelia integrifolia* (Thapasi), *Azadiracta indica* (Neem), *Pongamia binnata* (Kanuga), Ficus species & other miscellaneous species. It is also proposed to construct 44 Nos., RCC boundary pillars around the Non-forest land.

OBJECTIVE :-

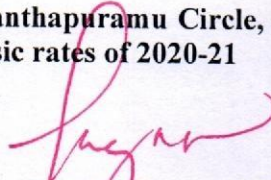
The main objective of the scheme is to compensate the loss due to the diversion of Forest Land and to afforest the area and protect the soil to prevent soil erosion besides encouraging ecological balance.

The year wise details are furnished hereunder.

Sl. No	Year	Total (Rs. in lakh)
1	2021-22	6.97366
2	2022-23	5.15232
3	2023-24	4.49636
4	2024-25	4.61906
5	2025-26	2.99732
6	2026-27	3.27236
7	2027-28	1.11378
8	2028-29	1.10340
9	2029-30	1.20374
10	2030-31	0.93732
11	2031-32	1.02036
12	2032-33	1.11032
	Total :-	34.00000

The details of Physical & Financial projections proposed Year-wise and Component wise are furnished in the statements enclosed.

NOTE: Basic rates proposed as per FSR of 2020-21 of Ananthapuramu Circle, and 10 % price escalation is proposed every year over the basic rates of 2020-21


District Forest Officer,
Ananthapuramu.

C.A. SCHEME FOR RAISING 3.46 Ha. PLANTATION IN NON-FOREST LAND IDENTIFIED BY THE USER AGENCY IN EDURUDONA VILLAGE OF N.P. KUNTA MANDAL AND DOSALEDU VILLAGE OF PUTTUR MANDAL OF ANANTHAPURAMU DISTRICT IN LIEU OF DIVERSION OF 3.20 Ha. (MINING - 1.94 Ha, ROAD - 0.69 Ha. AND SAFETY ZONE 0.57 Ha) OF FOREST LAND IN COMPARTMENT No. 221 OF CHITTAPARA R.F. AND BEAT OF CHITTOOR WEST DIVISION, CHITTOOR DISTRICT FOR QUARRY LEASE FOR EXTRACTION OF BLACK GRANITE IN FAVOUR OF M/s ANIL GRANITES, GUNTUR PROP. SRI D. ANIL KUMAR

Sl. No.	Description of Work	Unit	2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		2030-31		2031-32		2032-33		Total		
			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	Semi-Mechanized Method.	Nos	4700	0.75670	1000	0.17700	1000	0.19500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6700	1.12870	
2	Plant. of Nursery	Nos	0	0	4700	0.25850	1000	0.06100	1000	0.06700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6700	0.38650	
3	Advance Operations	Ha.	3460	1.28366	0	0	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	346	1.28366	
4	Raising of Plantation	Ha.	0	0	3460	3.17282	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	346	3.17282	
5	1st year Maint. of Plantation	Ha.	0	0	0	0	3460	2.30436	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	346	2.30436	
6	2nd year Maint. of Plantation	Ha.	0	0	0	0	0.000	0.000	3460	2.46006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	346	2.46006	
7	3rd year Maint. of Plantation	Ha.	0	0	0	0	0.000	0.000	0	0	3460	0.83732	0	0	0	0	0	0	0	0	0	0	0	0	0	0	346	0.83732	
8	4th year Maint. of Plantation	Ha.	0	0	0	0	0.000	0.000	0	0	0	3460	0.92036	0	0	0	0	0	0	0	0	0	0	0	0	0	346	0.92036	
9	5th year Maint. of Plantation	Ha.	0	0	0	0	0.000	0.000	0	0	0	0	3460	1.01378	0	0	0	0	0	0	0	0	0	0	0	0	346	1.01378	
10	6th year Maint. of Plantation	Ha.	0	0	0	0	0.000	0.000	0	0	0	0	0	3460	1.00340	0	0	0	0	0	0	0	0	0	0	0	346	1.00340	
11	7th year Maint. of Plantation	Ha.	0	0	0	0	0.000	0.000	0	0	0	0	0	0	3460	1.10374	0	0	0	0	0	0	0	0	0	0	346	1.10374	
12	8th year Maint. of Plantation	Ha.	0	0	0	0	0.000	0.000	0	0	0	0	0	0	0	3460	0.83732	0	0	0	0	0	0	0	0	0	346	0.83732	
13	9th year Maint. of Plantation	Ha.	0	0	0	0	0.000	0.000	0	0	0	0	0	0	0	0	3460	0.92036	0	0	0	0	0	0	0	0	346	0.92036	
14	10th year Maint. of Plantation	Ha.	0	0	0	0	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	346	1.01032	
	Sub Total :-		3.46	2.04036	3.46	3.60832	3.46	2.56036	3.46	2.52706	3.46	0.83732	3.46	0.92036	3.46	1.01378	3.46	1.00340	3.46	1.10374	3.46	0.83732	3.46	0.92036	3.46	1.01032	3.46	18.38270	
II.	Wages to Plantation watcher	Nos.	0.00	0.00000	1.00	1.04400	1.00	1.53600	1.00	1.69200	1.00	1.86000	1.00	2.05200	--	0.00000	--	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00	8.18400
III.	Construction of RCC Boundary Pillars	Nos.	44.00	4.40000	0.00	0.00000	0.00	0.00000	0.00	0.00000	0.00	0.00000	0.00	0.00000	--	0.00000	--	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	50.00	4.40000	
IV	Propulsion Charges/Communication Charges, (DEOs), Administrative Charges, Other Office Expenditure etc.,		-	0.53330	-	0.50000	0.40000	-	0.40000	-	0.40000	-	0.30000	-	0.30000	-	0.10000	-	0.10000	-	0.10000	-	0.10000	-	0.10000	-	0.10000	-	3.03330
	Total :			6.97366		5.15232	4.49636		4.61906		2.99732		3.27236		1.11378		1.10340		1.20374		0.93732		1.02036		1.11032			34.00000	

(Fins. Rs. in lakhs)

District Forest Officer,
Ananthapuramu.

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123

Statement showing with 10% escalation every year on the Basic FSR Rate of 2020-21 for Semi-Mechanized Method

Sl No	Component	Unit	Basic year FSR Rate (2020-21)	Add 10% escalation every year on the basic rate											
				2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
I	Semi Mechanical Method														
1	Advance Operations	1 Ha	33700	--	--	--	--	--	--	--	--	--	--	--	--
2	Raising of Plantations	1 Ha	75800	83400	91700	--	--	--	--	--	--	--	--	--	--
3	1st year maint. of Plantation	1 Ha	50000	60500	66600	--	--	--	--	--	--	--	--	--	--
4	2nd year maint. of Plantation	1 Ha	48500	53400	58700	64600	71100	--	--	--	--	--	--	--	--
5	3rd year maint. of plantation	1 Ha	15000	16500	18200	20000	22000	24200	--	--	--	--	--	--	--
6	4th Year Maint. of Plantation	1 Ha	15000	16500	18200	20000	22000	24200	26600	--	--	--	--	--	--
7	5th Year Maint. of Plantation.	1 Ha	15000	16500	18200	20000	22000	24200	26600	29300	--	--	--	--	--
8	6th Year Maint. of Plantation.	1 Ha	13500	14900	16400	18000	19800	21800	24000	26400	29000	--	--	--	--
9	7th Year Maint. of Plantation.	1 Ha	13500	14900	16400	18000	19800	21800	24000	26400	29000	31900	--	--	--
10	8th Year Maint. of Plantation.	1 Ha	9400	10300	11300	12400	13600	15000	16500	18200	20000	22000	24200	--	--
11	9th Year Maint. of Plantation.	1 Ha	9400	10300	11300	12400	13600	15000	16500	18200	20000	22000	24200	26600	--
12	10th Year Maint. of Plantation.	1 Ha	9400	10300	11300	12400	13600	15000	16500	18200	20000	22000	24200	26600	29200
II	Raising of 8"x12" Nursery	1000 Nos	14600.00	16100	17700	19500	--	--	--	--	--	--	--	--	--
III	Maintenance of 8"x12" Nursery	1000 Nos	4500.00	5000	5500	6100	6700	--	--	--	--	--	--	--	--
IV.	Wages to watcher	1 No. per Month	9620	10600	11600	12800	14100	15500	17100	18800	--	--	--	--	--

125

127-

UNIT RATES

(1) Advance Operations for Plantations (Semi-Mechanised Method (3 X 3 Mts.))
Unit-1 Ha. No. of Planting points - 1111 Nos. / Ha.

Sl. No	Qty.	Name of the work	FSR item No. of 2020-21	Rate	Per		Amount in Rs.
1	2	3		4	5		6
1	1 Ha.	Survey with GPS	02.01.001	228.562	10	Ha.	22.86
2	1 Ha.	Preparation of site for planting by clearing thorny unsaleable, unusable jungle growth, creepers, bushes etc. spreading the cut material allover the site and burning the same. - Very Light Jungle growth (> 10% and upto 20% ground area covered with Jungle growth)	02.01.003	3146.117	1	Ha.	3146.12
3	1 Ha.	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. - Very Light Jungle growth (> 10% and upto 20% ground area covered wit	02.01.008	14097.36	1	Ha.	14097.36
4	1 Ha.	Collection and removal of uprooted stumps of all sizes, other debris etc., to outside the plantation site. - Very Light Jungle growth (> 10% and upto 20% ground area covered with Jungle growth)	02.01.012	9055.29	1	Ha.	9055.29
6	1 Ha.	Deep ploughing the plantation area to a depth of 30 cm with heavy duty tractor of 45 HP and above across the slope with mould board plough in HG soils. (untilled Areas)	02.01.020	6156.14	1	Ha.	6156.14
7	1 Ha.	Removing congestion of root suckers and other uprooted material hindering the effective ploughing	02.01.024	1150.01	1	Ha.	1150.01
8	L.S.	Contingencies			L.S		72.23
Total :							33700.00

129

(2) Raising of Plantation (Semi Mechanised Method (3 x 3 Mts.))
Unit-1 Ha. No. of Planting points - 1111 Nos. / Ha.

Sl. No	Qty.	Name of the work	FSR item No. of 2020-21	Rate	Per		Amount in Rs.
1	2	3	4	5	6		7
1	1111 Nos.	Alignment and staking including laying base line with espacement 3mX3m (1111 Nos)	02.02.003	91.68	100	Nos.	1018.56
2	1111 Nos.	Digging of 0.45 Cms cube pits in Ploughed area	02.02.011	10.08	1	No	11198.88
3	55.5 Kgs	Cost of SSP 50 grams per plant	02.02.029	As per actuals			550.00
4	22.2 Kgs	Cost of DAP 20 grams per plant	02.02.029	As per actuals			550.00
5	1111 Nos.	Application of fertilizers & pesticides	02.02.030	43.07	100	Nos.	478.51
6	1111 Nos.	Transport of 8"x12" bag plants over a lead of 50 kms	02.02.017 & 02.02.022	776.14	100	Nos.	8622.92
7	1111 Nos.	Internal Transport of 8"x12" bag plants	02.02.027	155.59	100	Nos.	1728.60
8	1111 Nos.	Planting of bag plants in 45 cms cube pits.	02.02.032	479.33	100	Nos.	5325.36
9	222 Nos.	Replacement of casualties 20% (504 + 776.14 + 155.59 + 479.33)	02.02.035	1915.06	100	Nos.	4251.43
10	1111 Nos.	Watering the plants during non-rainy days (10 waterings)	05.21.019	237.00	100	Nos.	26330.70
11	1 Ha.	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly areas.	02.02.044	4103.48	1	Ha	4103.48
12	1111 Nos.	1st circular weeding to a radius of 0.5 M around the plant	02.02.038	136.95	100	Nos.	1521.51
13	1111 Nos.	2nd circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils.	02.02.040	719.00	100	Nos.	7988.09
14	200 Rmt	Creation of Fire lines 3 mts wide	02.02.048	6.68	1	Rmt.	1336.00
15	500 Nos.	Pruning of lower foliage / branches	02.02.049	136.11	100	Nos.	680.55
16	L.s	Contingencies such as plantation board and other unforeseen expenditure		L.S.			115.40
Total :							75800.00

131

(3) 1st Year Maintenance of Plantation (Semi Mechanised Method (3 x 3 Mts.))
Unit-1 Ha. No. of Planting points - 1111 Nos. / Ha.

Sl. No	Qty.	Name of the work	FSR item No. of 2020-21	Rate	Per		Amount in Rs.
1	278 Nos.	Replacement of casualties 25% (1008 + 776.14 + 155.59 + 479.33)	02.03.001	2419.06	100	Nos.	6724.99
2	7 Kgs	Cost of DAP @ 25 gms per plant	02.03.003		L.S.		200.00
3	278 Nos.	Application of fertilizers & pesticides	02.03.002	43.07	100	Nos.	119.73
4	1 Ha.	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly areas.	02.03.004	4103.48	1	Ha	4103.48
5	1111 Nos.	Watering the plants during non-rainy days (10 waterings)	05.21.019	237.00	100	Nos.	26330.70
6	1111 Nos.	1st circular weeding to a radius of 0.5 M around the plant	02.03.007	136.95	100	Nos.	1521.51
7	1111 Nos.	2nd circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils.	02.03.009	719.00	100	Nos.	7988.09
8	200 Rmt	Creation of Fire lines 3 mts wide	02.03.011	6.68	1	Rmt	1336.00
9	1111 Nos.	Pruning of lower foliage / branches of NTFP species like Kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3rd height	02.03.012	136.11	100	Nos.	1512.18
10	LS	Contingencies and other unforeseen expenditure			L.S.		163.31
		Total :					50000.00

(4) IInd Year Maintenance of Plantation (Semi Mechanised Method (3 x 3 Mts.))
Unit-1 Ha. No. of Planting points - 1111 Nos. / Ha.

Sl. No	Qty.	Name of the work	FSR item No. of 2020-21	Rate	Per		Amount in Rs.
1	278 Nos.	Replacement of casualties 25% (1008 + 776.14 + 155.59 + 479.33)	02.03.001	2419.06	100	Nos.	6724.99
2	7 Kgs	Cost of DAP @ 25 gms per plant	02.04.001		L.S.		200.00
3	278 Nos.	Application of fertilizers & pesticides	02.04.002	43.07	100	Nos.	119.73
4	1 Ha.	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly areas.	02.04.003	4103.48	1	Ha	4103.48
5	1111 Nos.	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils.	02.04.005	719.00	100	Nos.	7988.09
6	1111 Nos.	Watering the plants during non-rainy days (10 waterings)	05.21.019	237.00	100	Nos.	26330.70
7	200 Rmt	Creation of Fire lines 3 mts wide	02.04.007	6.68	1	Rmt	1336.00
8	1111 Nos.	Pruning of lower foliage / branches of NTFP species like Kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3rd height.	02.04.008	136.11	100	Nos.	1512.18
9	LS	Contingencies and other unforeseen expenditure			L.S.		184.83
		Total :					48500.00

133

(5) IIIrd Year Maintenance of Plantation (Semi Mechanised Method (3 x 3 Mts.))

Unit-1 Ha. No. of Planting points - 1111 Nos. / Ha.

Sl. No	Qty.	Name of the work	FSR item No. of 2020-21	Rate	Per		Amount in Rs.
1	1 Ha.	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly areas.	02.04.003	4103.48	1	Ha	4103.48
2	1111 Nos.	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils.	02.04.005	719.00	100	Nos.	7988.09
3	1111 Nos.	Pruning of lower foliage / branches of NTFP species like Kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3rd height.	02.04.008	136.11	100	Nos.	1512.18
4	200 Rmt	Creation of Fire lines 3 mts wide	02.04.007	6.68	1	Rmt	1336.00
5	LS	Contingencies and other unforeseen expenditure			L.S.		60.25
Total :							15000.00

(6) IV th Year Maintenance of Plantation (Semi Mechanised Method (3 x 3 Mts.))

Unit-1 Ha. No. of Planting points - 1111 Nos. / Ha.

Sl. No	Qty.	Name of the work	FSR item No. of 2020-21	Rate	Per		Amount in Rs.
1	1 Ha.	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly areas.	02.04.003	4103.48	1	Ha	4103.48
2	1111 Nos.	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils.	02.04.005	719.00	100	Nos.	7988.09
3	200 Rmt	Creation of Fire lines 3 mts wide	02.04.007	6.68	1	Rmt	1336.00
4	1111 Nos.	Pruning of lower foliage / branches of NTFP species like Kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3rd height.	02.04.008	136.11	100	Nos.	1512.18
5	LS	Contingencies and other unforeseen expenditure			L.S.		60.25
Total :							15000.00

(7) Vth Year Maintenance of Plantation (Semi Mechanised Method (3 x 3 Mts.))

Unit-1 Ha. No. of Planting points - 1111 Nos. / Ha.

Sl. No	Qty.	Name of the work	FSR item No. of 2020-21	Rate	Per		Amount in Rs.
1	1 Ha.	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly areas.	02.04.003	4103.48	1	Ha	4103.48
2	1111 Nos.	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils.	02.04.005	719.00	100	Nos.	7988.09
3	200 Rmt	Creation of Fire lines 3 mts wide	02.04.007	6.68	1	Rmt	1336.00
4	1111 Nos.	Pruning of lower foliage / branches of NTFP species like Kanuga, Neem, Usiri, Seethaphal etc., plants upto 1/3rd height.	02.04.008	136.11	100	Nos.	1512.18
5	LS	Contingencies and other unforeseen expenditure			L.S.		60.25
Total :							15000.00

135

(8) VI th Year Maintenance of Plantation (Semi Mechanised Method (3 x 3 Mts.))
Unit-1 Ha. No. of Planting points - 1111 Nos. / Ha.

Sl. No	Qty.	Name of the work	FSR item No. of 2020-21	Rate	Per		Amount in Rs.
1	1 Ha.	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly areas.	02.04.003	4103.48	1	Ha	4103.48
2	1111 Nos.	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils.	02.04.005	719.00	100	Nos.	7988.09
3	200 Rmt	Creation of Fire lines 3 mts wide	02.04.007	6.68	1	Rmt	1336.00
4	LS	Contingencies and other unforeseen expenditure			L.S.		72.43
Total :							13500.00

(9) VII th Year Maintenance of Plantation (Semi Mechanised Method (3 x 3 Mts.))
Unit-1 Ha. No. of Planting points - 1111 Nos. / Ha.

Sl. No	Qty.	Name of the work	FSR item No. of 2020-21	Rate	Per		Amount in Rs.
1	1 Ha.	Inter ploughing with heavy duty tractor of 45 HP to a depth of 30 cm in hard gravelly areas.	02.04.003	4103.48	1	Ha	4103.48
2	1111 Nos.	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils.	02.04.005	719.00	100	Nos.	7988.09
3	200 Rmt	Creation of Fire lines 3 mts wide	02.04.007	6.68	1	Rmt	1336.00
4	LS	Contingencies and other unforeseen expenditure			L.S.		72.43
Total :							13500.00

(10) VIII th Year Maintenance of Plantation (Semi Mechanised Method (3 x 3 Mts.))
Unit-1 Ha. No. of Planting points - 1111 Nos. / Ha.

Sl. No	Qty.	Name of the work	FSR item No. of 2020-21	Rate	Per		Amount in Rs.
1	1111 Nos.	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils.	02.04.005	719.00	100	Nos.	7988.09
2	200 Rmt	Creation of Fire lines 3 mts wide	02.04.007	6.68	1	Rmt	1336.00
3	LS	Contingencies and other unforeseen expenditure			L.S.		75.91
Total :							9400.00

137-

(11) IX th Year Maintenance of Plantation (Semi Mechanised Method (3 x 3 Mts.))

Unit-1 Ha. No. of Planting points - 1111 Nos. / Ha.

Sl. No	Qty.	Name of the work	FSR item No. of 2020-21	Rate	Per		Amount in Rs.
1	1111 Nos.	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils.	02.04.005	719.00	100	Nos.	7988.09
2	200 Rmt	Creation of Fire lines 3 mts wide	02.04.007	6.68	1	Rmt	1336.00
3	LS	Contingencies and other unforeseen expenditure			L.S.		75.91
Total :							9400.00

(12) X th Year Maintenance of Plantation (Semi Mechanised Method (3 x 3 Mts.))

Unit-1 Ha. No. of Planting points - 1111 Nos. / Ha.

Sl. No	Qty.	Name of the work	FSR item No. of 2020-21	Rate	Per		Amount in Rs.
1	1111 Nos.	Circular weeding cum deep soil working to a radius of 0.5 m and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10 cm wide but weeding that part of area by hand and formation of saucer in hard gravelly soils.	02.04.005	719.00	100	Nos.	7988.09
2	200 Rmt	Creation of Fire lines 3 mts wide	02.04.007	6.68	1	Rmt	1336.00
3	LS	Contingencies and other unforeseen expenditure			L.S.		75.91
Total :							9400.00

ABSTRACT		
Sl No	Component	Unit rate
1	Advance Operations	33700
2	Raising of Plantations	75800
3	1st year maint. of Plantation	50000
4	2nd year maint. of Plantation	48500
5	3rd year maint. of plantation	15000
6	4th Year Maint. of Plantation	15000
7	5th Year Maint.of Plantation.	15000
8	6th Year Maint.of Plantation.	13500
9	7th Year Maint.of Plantation.	13500
10	8th Year Maint.of Plantation.	9400
11	9th Year Maint.of Plantation.	9400
12	10th Year Maint.of Plantation.	9400
G. Total:		308200

**UNIT RATES FOR NURSERY
(1) Raising of 8"x12" Nursery - 1000 Nos.**

Sl. No	Qty.	Name of the work	FSR item No. of 2020-21	Rate	Per	Amount in Rs.
1	1100 Nos.	Cost Naked seedlings		4.00	each	4400.00
2	11.63 Kgs	Cost of Polythene bags (8"x12" size)	01.05.003	160.00	Kg	1861.00
3	1100 Nos.	Site preparation for old site - clearing of growth, weeds, grass etc.	01.05.002	15.29	800 Nos	21.00
4	1100 Nos.	Cost and transport of ingredients for Potting mixture Red Soil and Clayey soil in 2:1 ratio.	01.05.007	1196.96	1000 Nos	1317.00
5	LS	Cost of chemicals, insecticides, pesticides etc.,	01.05.009	As per actuals	1000 Nos.	200.00
	1100 Nos.	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.	01.05.013	3254.06	1000 Nos	3579.00
6	1100 Nos.	Pricking out seedlings from primary beds and transplanting in bags.	01.05.015	161.95	1000 Nos.	178.00
7	1000 Nos.	Watering the bag plants departmental nursery 5 Months (November - March)	01.05.020	374.18	800 Nos / Month	2339.00
9	1000 Nos.	Weeding the bag plants 2 times	01.05.021	57.72	800 Nos / weeding	144.00
10	1000 Nos.	Shifting & grading and re-arranging the containers 2 times	01.05.022	264.54	800 Nos / shifting	331.00
11	LS	Contingencies such as species board, Name board and cost of rose canand hoes pipes and transport of ploythene bags to Nursery site and watch and ward, maintenace of electric motor and etc			L.S	230.00
		Total :				14600.00

(2) Maintenance of 8"x12" Nursery - 1000 Nos.

Sl. No	Qty.	Name of the work	FSR item No. of 2020-21	Rate	Per	Amount in Rs.
1	1000 Nos.	Watering the bag plants (8"x12") 4 Months (April to July)	01.06.004	374.18	800 Nos /month	1871.00
2	1000 Nos.	Watering the bag plants (8"x12") 3 Months (August to October)	01.06.012	187.10	800 Nos /month	702.00
3	1000 Nos.	Weeding in the bag Plants 4 Times	01.06.005	57.72	800 Nos /time	289.00
4	1000 Nos.	Shifting & grading and re-arranging the containers 2 times	01.06.006	264.54	800 Nos /time	661.00
6	L.S	Cost of fertilizer, Pesticides			L.S	500.00
7	L.S	Maint. of electric motor, pumpset, electricity charges etc.,			L.S	477.00
		Total :				4500.00

Abstract

1	Raising of Nursery	14600.00
2	Maint. of Nursery	4500.00
	Total	19100.00