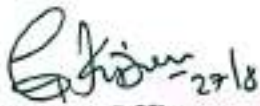


Compensatory Afforestation Scheme Details in Mavilipatty Reserved Forest - 0.281 Ha		
Abstract Estimate		
Sl.No.	Description of Work	Amount
1	Raising of Nursery works	1186.40
2	Raising of Plantation works	7901.65
3	Maintenance of Plantation for 10 years	50331.69
Total		59419.74
Or		0.60 Lakhs


 District Forest Officer,
 Trichy

Estimate for raising Teak nursery under Compensatory Afforestation in Mavilipatty RF -Teak plantation - 2021-22- in Tiruchirappalli Range, Tiruchirappalli Forest Division

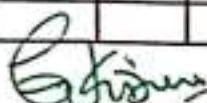
Place of Nursery : CA - Mavilipatty RF	Species : Tectona grandis (Teak)
Poly bag Size : 13cmx25cmx200G	Number of seedlings : 15000
Area : 75 Ha	10 % Replacement of casualties : 1500
Unit : 200 plants / Ha	Total : 16500

Wage rate Rs.441.65/per day for 2020-21 & Rs.460.25 for 2021-22.

Raising Nursery

Sl. No	Description of operation	FSR Item No.	Qty		Rate	Per Qty		Amount
1	Preparation of Nursery site by clearing and levelling the site for forming 150 standard beds of 10mx1m size	4.1 2021-22	1500	m2	1113.81	200	m2 (10 bed)	8353.58
2	Cost of polythene bag size: 13x25x200G (Tender rate + GST (18%))= 685.00 +123 = 808	Tender rate + GST 18%	16500	Nos	808.00	1000	Nos	13332.00
3	Cost of teak seeds	Rate of genetics	75	kg	150.00	1	kg	11250.00
4	Cost of FarmYard Manure for beds including transport charges	4/2006-07	11.5	m3	300.00	1	m3	3450.00
5	Formation of Germination beds of 10mx1mx30cm with side suporting dibbling of seeds watering for the day and covering with straw excluding cost of manure	4.2	37.5	beds	82.50	1	bed	3093.75
6	Watering the mother beds							
	a.Watering the germination beds twice daily with rose can 30 days	4.5.1./ 2021-22	37.5	beds	377.41	10	beds/ day	42458.63
	b.Watering the germination beds once daily with rose can 30 days	4.5.2./ 2021-22	37.5	beds	188.70	10	beds/ day	21228.75
	c.Watering the germination beds with rose can alternate 60 days (30 w/d)	4.5.2./ 2021-22	37.5	beds	188.70	10	beds/ day	21228.75
	d.Watering the germination beds once in a week for 30 w/days	4.5.2./ 2021-22	37.5	beds	188.70	10	beds/ day	21228.75
7	Collection and supply of fertile earth	MTP ME	10.88	m3	500.00	1	m3	5440.00
8	Collection and supply of Farm Yard Manure	4/2006-07	5.44	m3	300.00	1	m3	1632.00
9	Collection and supply of sand with a lead to 30 km and head load beyond 10 m upto 100 m.	PWD SSR/ 2016-17	5.44	m3	460.00	1	m3	2502.40

10	Preparation of soil mixture by breaking clods , sieving and mixing of fertile earth including red soil, sand, silt ., etc according to the requirements and Farmyard manure heaping at the filling site and filling in polythene bags arranging bags in beds and pricking out the seedlings (Excluding cost of earth and farmyard manure)	4.6.4/2021-22	16500	Nos	2061.92	1000	Nos	34021.68
11	Shifting the container plants weeding, grading and replacement of casualties in the bags for 4 times	4.15.4/2021-22	16500	Nos	234.73	1000	shift	15492.18
12	Digging water storage pits (Top 3mx3m Bottom 2.1mx2.1m Depth 1m)	10/ 2006-07	7.5	Nos	167.00	1	pit	1252.50
13	Preparation of teak stumps from 8-12 months old seedlings	6.2/ 2021-22	16500	Nos	2761.50	1000	Nos	45564.75
14	Watering the container grown teak stumps							
	a.Watering the container teak stumps daily once for 30 days	4.11.4/2021-22	16500	Nos	52.93	1000	Nos	26200.35
	b.Watering the container teak stumps alternate days for 60 days(30 days)	4.11.4/2021-22	16500	Nos	52.93	1000	Nos	26200.35
15	Application of biofertilizers							
	Cost of Vermicasting @35gm/ container	As per research division rate	16500	Nos	10.00	1	Kg	5775.00
	Cost of VAM @15gm/ container		16500	Nos	18.00	1	Kg	4455.00
	Cost of Azospirillum @6gm/ container		16500	Nos	27.00	1	Kg	2673.00
	Cost of Phosphobacteria @6gm/ container		16500	Nos	27.00	1	Kg	2673.00
16	Watch and ward for protection in the nursery for 1 month	Wages rate 2021-22	16500	Nos	441.65	100000	Nos	1821.81
17	Watch and ward for protection in the nursery for 5 months	Wages rate 2021-22	16500	Nos	460.25	100000	Nos	22782.38
18	supply and Installation of Board	LS				1	Nos	4000.00
19	Contingencies for application of fertilizers, spraying pesticides/biocides, documentation charges, live fencing, unforeseen expenses etc.,	LS						1454.00
	Total							349564.59
	Rate for One seed							21.19
	Plants for 1 Ha							200 Nos
	Plants for 0.281 Ha							56.00
	Rate of Nursering of 0.281 Ha							1186.40


 District Forest Officer,
 Trichy

Estimate for Raising Teak Plantation in Mavilipatty Reserved Forest of Trichy Range of Trichirappalli Division During 2021 - 2022

Species : Teak

Unit : 200/Ha

Area : 20Ha

Prorata per ha = Rs. 27365.00/-

Espacement 2mx 2m : 2 m x 2m

Size of Polythene bags : 13x25x200G

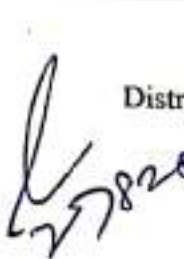
Total No.of plants to be Planted : 4000 Nos.

10% Casualties Ceplacement : 400 Nos.

Total = 4400 Nos.

Sl No	Description	FSR Item	Mandays		Qty	Rate (Rs.)	Per	Amount
1	Clearing the planting site cutting and clearing scrubjungle growth in the canal bank areas for light growth around the plants	6.5.1 / 2021-22	0.0625	4000	Nos	28.77	200 Nos	575.00
2	Aligning and marking plans and tank beds	5.2.1 / 2021-22	1.38	4000	Nos	635.15	1000 Nos	2541.00
3	Digging 45 cm ³ pits in canal bank for planting	5.6.2 / 2021-22	3.23	4000	Nos	1486.61	100 Nos	59464.00
4	Transporting of Teak container plants upto a lead of 20 Km in Private Vehicle.	Local Rate	-	4000	Nos	2000.00	2000 Nos	4000.00
5	Transporting of Teak container plants by head loads in the places where approach roads not available to take vehicles to planting site	5.13.2 (ii)	3.59	4400	Nos	1652.3	1000 Nos	7270.00
6	Loading and unloading of Container plants	5.11.4 2021-22	1.53	4400	Nos	704.18	1000 Nos	3098.00
7	Distribution of container plants							
	I. Up to 100mt	5.15.1	1.69	2200	Nos	777.82	1000 Nos	1711.00
	II. Up to 200mt	5.15.2	2.25	2200	Nos	1035.56	1000 Nos	2278.00
8	Planting teak container seedlings in 45 cm ³ pits	5.21	1.15	4000	Nos	529.29	100 Nos	21172.00
9	Watering alternate days with one pot of water for 1st 14 days from the date of planting (Effective 7 days)	TAFORN Rate Item No.54/ 2020-21	-	<u>4000</u> 7days	Nos	1310	1000Nos/ day	36680.00
10	Watering during dry season once in five days from January to March (18 w/ days)	TAFORN Rate Item No.54/ 2020-21	-	<u>4000</u> 18days	Nos	1310	1000/ day	94320.00
11	Digging wells by open excavation in river bed where water table is less than 3.00 m depth and 4 m dia one well for 200 plants or stumps (each of 1.5Mt depth)	Wage rate / 2021-22	-	20	Nos	460.25	1No	9205.00

12	Replacement of casualties	5.23 / 2021-22	-	400	Nos	1221.17	100 Nos	4885.00
13	Scrap weeding for 1Mt dia and removing to 15cm depth around each plant and removing the grass root from the site up turning the soil both in the plains and hillocks. (Two times) Note: Whether done for first time or second time the same rate	5.24 / 2021-22	1.23	4000	Nos	566.11	100 Nos	45288.00
14	Fencing to the planted area of 1m and height of 1m Brush wood Fence/live fence (Including cutting collection and forming complement) liner fencing to the length of 1km.	G.O.(D) No.295 E&F Fr VI dt.15.10.07	-	1000	Nos	40.00	1 No.	40000.00
15	Protection watch and ward from 1 st August to March -2021 (2.0No./4000 Nos for 30x8x1=240days)	As per 2021-22 Wage rate	-	2.00 / 480 days	No/Ha	460.25	1No. /each	220920.00
16	i) Application of bio-fertilizer to the plant @ 15g per plants including cowdung	G.O.Ms No.339 E&F Fr VI dt.16.12.06	-	60	Kgs	50.00	1 Kg	3000.00
17	Cost of Poultry Manure @ 150 gms Per Plant	TAFPCORN FSR Item No. 14 / 2017-18	-	600	Kgs	3.00	1 Kg	1800.00
18	Application of Poultry Manure @ 200 gms Per Pit	FSR TNJ / 2020-21	-	4000	Nos	441.65	1000 Nos	1767.00
19	Erection of Name board	G.O.Ms. No. 339 E & F FR. VI Dt. 6.12.06	-	2.00	No./10 Ha	1000	1 No	2000.00
20	Contingencies for unforeseen expenses	LS	-	LS	LS	-	-	421.00
Total								562395.00
	Rate for 1 Ha							28119.75
	Rate for 0.281 Ha							7901.65



 District Forest Officer,

 Trichy

Estimate for First Year Maintenance at Mavilipatty Reserved Forest Teak Plantation in Tiruchirappalli
Range of Trichy Division during 2021-22

Species Teak

Unit : 200/Ha

Area : 20Ha

Prorata per ha = Rs. 26088.00/-

Espacement : 2 m x 2m

Size of Polythene bags : 13x25x200G

Total No. of Survival Plants: 3600 Nos.

10% Casualties Ceplacement : 400 Nos.

Total No. of Plants = 4000 Nos

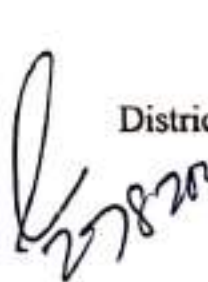
Sl. No.	Description	FSR Item	Qty		Rate (Rs.)	Per	Amount
1	Field Watering during dry season as and when watering is required to the Plants from 1st April to September once in five days (36 w/ days)	G.O.(D) No.297 E&F Fr VI dt.15.10.07	4000	Nos	900	1000 Nos	129600.00
2	Weekly Watering during dry season from 1st January to 31st March (12 w/days)	G.O.(D) No.297 E&F Fr VI dt.15.10.07	4000	Nos	900	1000 Nos	43200.00
3	Cost of Teak Seedlings	-	400	Nos	19	Each	7600.00
4	Replacement of casualties by reopening the failed pits and planting the seedling (10% of total seedling).	5.23	400	Nos	1221.17	100 Nos	4885.00
5	Repairing the fencing	-	200	Nos	40	Each	8000.00
6	Scrap weeding for 1Mt dia and removing to 15cm depth around each plant and removing the grass root from the site up turning the soil both in the plants and hillocks. Note: Whether done for first time or second time the same rate	5.24/2021-22	4000	1Time	566.11	100 Nos	22644.00
7	Protection watch and ward from 1st April to 31st March	As per 2021-22 Wage rate	1	20Ha	460.25	1No./day	315271.00
8	i) Application of bio-fertilizer to the plant @ 20g per plants 50% of the stock as per the requirement. (4000x50%)40/1000).	G.O.Ms No.339E&F Fr VI dt.16.12.06	36	Kgs	75.00	1 Kg	2700.00
9	Contingencies for unforeseen expenses	LS	-		-	-	1516.00
Total							535416.00
	Rate for 1 Ha						26770.80
	Rate for 0.281 Ha						7522.59


 District Forest Officer,
 Trichy

Estimate for Second Year Maintanance of Mavilipatty Reserved Forest Teak Plantation in Trichirappalli Range of Trichirappalli Division During 2021-22

No. of Plants Planted for 20Ha	:	4000 Nos
No. of Survival of Plants	:	3600 Nos.
Pro-rata per Ha	:	Rs. 11,816.00/-
Wages rate	:	Rs.460.25/d
Total Pro-rata for 20 Ha	:	Rs. 2,36,319/-

Sl. No.	Description	FSR Item	Qty	Rate (Rs.)	Per	Amount
1	Protection and doing other cultural operations from 10 months	Wages Rate FSR 2021-22	2.00No./ 466.666 days	460.25	1 No. / day	214783.00
2	Weedling and Soil working around the Plants.	5.24 / 2021-22	3600	566.1	100	19556.00
3	Contingencies for unforeseen expenses	LS	-	-	-	1980.00
Total						236319.00
	Rate for 1 Ha					11815.95
	Rate for 0.281 Ha					3320.28


District Forest Officer,
Trichy

**Estimate for Third Year Maintanance of Mavilipatty reserved Forest Teak
Plantation in Trichy Range , Trichirappalli Division During 2021-22**

No. of Plants Planted for 20Ha	:	4000 Nos
No. of Survival of Plants (90%)	:	3600 Nos.
Pro-rata per Ha	:	Rs. 13,012.00/-
Wages rate	:	Rs.460.25/d
Total Pro-rata for 20 Ha	:	Rs. 260240.00

SL No.	Description	FSR Item	Qty	Rate (Rs.)	Per	Amount
1	Protection and doing other cultural operations from 1st April to 31st March (12 Months)	Wages Rate FSR 2021-22	2.0No./ 560 days	460.25	1 No. / day	257740.00
2	Contingencies for unforeseen expenses	LS	-	-	-	2500.00
Total						260240.00
	Rate for 1 Ha					13012.00
	Rate for 0.281 Ha					3656.37


 District Forest Officer,
 Trichy

**Estimate for Fourth Year Maintanance of Mavilipatty reserved Forest Teak
Plantation in Trichy Range , Trichirappalli Division During 2021-22**

No. of Plants Planted for 20Ha	:	4000 Nos
No. of Survival of Plants (90%)	:	3600 Nos.
Pro-rata per Ha	:	Rs. 14,313.00/-
Wages rate	:	Rs.460.25/d
Total Pro-rata for 20 Ha	:	Rs. 286264.00

Sl. No.	Description	FSR Item	Qty	Rate (Rs.)	Per	Amount
1	Protection and doing other cultural operations from 1st April to 31st March (12 Months)	Wages Rate FSR 2021-22	2.0No / 560 days	460.25	1 No. / day	257740.00
2	Contingencies for unforeseen expenses	LS	-	-	-	2500.00
Total						260240.00
Add 10% Extra for one year						26024.00
Grand Total						286264.00
	Rate for 1 Ha					14313.20
	Rate for 0.281 Ha					4022.01



 District Forest Officer,
 Trichy

**Estimate for Fifth Year Maintanance of Mavilipatty reserved Forest Teak Plantation
in Trichy Range , Trichirappalli Division During 2021-22**

No. of Plants Planted for 20Ha	:	4000 Nos
No. of Survival of Plants (90%)	:	3600 Nos.
Pro-rata per Ha	:	Rs. 15,614.00/-
Wages rate	:	Rs.460.25/d
Total Pro-rata for 20 Ha	:	Rs. 312288.00

Sl. No.	Description	FSR Item	Qty	Rate (Rs.)	Per	Amount
1	Protection and doing other cultural operations from 1st April to 31st March (12 Months)	Wages Rate FSR 2021-22	2.0No./ 560 days	460.25	1 No. / day	257740.00
2	Contingencies for unforeseen expenses	LS	-	-	-	2500.00
Total						260240.00
Add 20% Extra						52048.00
Grand Total						312288.00
	Rate for 1 Ha					15614.40
	Rate for 0.281 Ha					4387.65


 District Forest Officer,
 Trichy

**Estimate for Sixth Year Maintenance of Mavilipatty reserved Forest Teak
Plantation in Trichy Range , Trichirappalli Division During 2021-22**

No. of Plants Planted for 20Ha	:	4000 Nos
No. of Survival of Plants (90%)	:	3600 Nos.
Pro-rata per Ha	:	Rs. 16,916.00/-
Wages rate	:	Rs.460.25/d
Total Pro-rata for 20 Ha	:	Rs. 338312.00

Sl. No.	Description	FSR Item	Qty	Rate (Rs.)	Per	Amount
1	Protection and doing other cultural operations from 1st April to 31st March (12 Months)	Wages Rate FSR 2021-22	2.0No./ 560 days	460.25	1 No. / day	257740.00
2	Contingencies for unforeseen expenses	LS	-	-	-	2500.00
Total						260240.00
Add 30% Extra						78072.00
Grand Total						338312.00
	Rate for 1 Ha					16915.60
	Rate for 0.281 Ha					4753.28



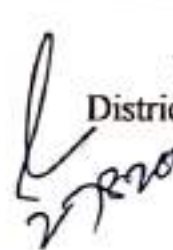
 District Forest Officer,

 Trichy

**Estimate for Seventh Year Maintanance of Mavilipatty reserved Forest Teak
Plantation in Trichy Range , Trichirappalli Division During 2021-22**

No. of Plants Planted for 20Ha	:	4000 Nos
No. of Survival of Plants (90%)	:	3600 Nos.
Pro-rata per Ha	:	Rs. 18,217.00/-
Wages rate	:	Rs.460.25/d
Total Pro-rata for 20 Ha	:	Rs. 364336.00

Sl. No.	Description	FSR Item	Qty	Rate (Rs.)	Per	Amount
1	Protection and doing other cultural operations from 1st April to 31st March (12 Months)	Wages Rate FSR 2021-22	2.0No./ 560 days	460.25	1 No. / day	257740.00
2	Contingencies for unforeseen expenses	LS	-	-	-	2500.00
Total						260240.00
Add 40% Extra						104096.00
Grand Total						364336.00
	Rate for 1 Ha					18216.80
	Rate for 0.281 Ha					5118.92



 District Forest Officer,
 Trichy

**Estimate for Eighth Year Maintanance of Mavilipatty reserved Forest Teak
Plantation in Trichy Range , Trichirappalli Division During 2021-22**

No. of Plants Planted for 20Ha	:	4000 Nos
No. of Survival of Plants (90%)	:	3600 Nos.
Pro-rata per Ha	:	Rs. 19,518.00/-
Wages rate	:	Rs.460.25/d
Total Pro-rata for 20 Ha	:	Rs. 390360.00

Sl. No.	Description	FSR Item	Qty	Rate (Rs.)	Per	Amount
1	Protection and doing other cultural operations from 1st April to 31st March (12 Months)	Wages Rate FSR 2021-22	2.0No./ 560 days	460.25	1 No. / day	257740.00
2	Contingencies for unforeseen expenses	LS	-	-	-	2500.00
Total						260240.00
Add 50% Extra						130120.00
Grand Total						390360.00
	Rate for 1 Ha					19518.00
	Rate for 0.281 Ha					5484.56


 District Forest Officer,
 Trichy

**Estimate for Ninth Year Maintanance of Mavilipatty reserved Forest Teak
Plantation in Trichy Range , Trichirappalli Division During 2021-22**

No. of Plants Planted for 20Ha	:	4000 Nos
No. of Survival of Plants (90%)	:	3600 Nos.
Pro-rata per Ha	:	Rs. 20,819.00/-
Wages rate	:	Rs.460.25/d
Total Pro-rata for 20 Ha	:	Rs. 416384.00

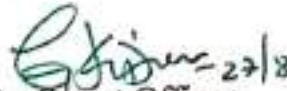
Sl. No.	Description	FSR Item	Qty	Rate (Rs.)	Per	Amount
1	Protection and doing other cultural operations from 1st April to 31st March (12 Months)	Wages Rate FSR 2021-22	2.0No./ 560 days	460.25	1 No. / day	257740.00
2	Contingencies for unforeseen expenses	LS	-	-	-	2500.00
Total						260240.00
Add 60% Extra						156144.00
Grand Total						416384.00
	Rate for 1 Ha					20819.20
	Rate for 0.281 Ha					5850.20


 District Forest Officer,
 Trichy

**Estimate for Tenth Year Maintanance of Mavilipatty reserved Forest Teak
Plantation in Trichy Range , Trichirappalli Division During 2021-22**

No. of Plants Planted for 20Ha	:	4000 Nos
No. of Survival of Plants (90%)	:	3600 Nos.
Pro-rata per Ha	:	Rs. 22,120.00/-
Wages rate	:	Rs.460.25/d
Total Pro-rata for 20 Ha	:	Rs. 442408.00

SL No.	Description	FSR Item	Qty	Rate (Rs.)	Per	Amount
1	Protection and doing other cultural operations from 1st April to 31st March (12 Months)	Wages Rate FSR 2021-22	2.0No./ 560 days	460.25	1 No. / day	257740.00
2	Contingencies for unforeseen expenses	LS	-	-	-	2500.00
Total						260240.00
Add 70% Extra						182168.00
Grand Total						442408.00
	Rate for 1 Ha					22120.40
	Rate for 0.281 Ha					6215.83


 District Forest Officer,
 Trichy
 27/8/22