

### Abstract

Sl. No.	Discription	Amount (in Lakhs)
1	Raising Nursery	13.420
2	Planting Seedlings	44.550
3	1st year Maintenance	6.820
4	2nd year Maintenance	0.800
5	3rd - 10th year Maintenance	1.714
	<b>Total</b>	<b>67.304</b>

**ESTIMATE FOR RAISING NURSERY IN CENTRAL NURSERY, ODANTHURAI AT  
SIRUMUGAI RANGE FOR PLANTATION OF DEGREADED FOREST IN ODANTHURAI  
RF, ERAKKORAI SARAGAM, ODANTHURAI BEAT OF SIRUMUGAI RANGE DURING 2022-**

23

**No. of Seedlings**

<b>Diverted land Area :</b>	<b>4.85 Ha</b>	<b>1000 Nos / Ha for 10.00 Ha</b>	<b>= 10000 Nos</b>
<b>Degreaded Forest land Area :</b>	<b>10.00 Ha</b>	<b>10 % of Casualty</b>	<b>= 1000 Nos</b>
		<b>TOTAL</b>	<b>= 11000 Nos</b>

Si. No	Quantity		Discription of Work	FSR/SSR Item No.	Rate	Per		Amt
1	2500	Sqm	Preparation of Nursery Site	4.1	1170.68	200	Sqm	14634
2	5.7	kgs	Cost of Seeds	L.R	300.00	1	kgs	1710
3	11000	Nos	Cost of 16X30 Cm X 300 G poly Bags	L.R	1740.50	1000	Nos	19146
4	10	Nos	Forming Germination Beds of Size 10mX 1mX0.30m by heading soil	FSR	483.75	1	Nos	4838
5	10	beds	Watering the Germination Beds twice daily with rosecane and covering the bed with gunny bags for 15 days	4.5.1	396.68	10	beds	5950
6	10	beds	Watering the Germination Beds once daily with rosecane for 15 days	4.5.2	198.34	10	beds	2975
7	2.28	cum	Collection and supply of sand, silt and red soil according to the requirment for preparation of soil mizure - 4/5 th of the total volume	MTP. M.E	750.00	0.65	cum	2631
8	0.9405	cum	Cost and transport of Farm yard manure for 1/5th of the total volume for filling 10000 Nos. polybags of size 16x30cms.	L.R	750.00	0.65	cum	1085
9	11000	Nos	Preparation of Soil Mixture by breaking clods, sieving and mixing of fertile earth, red soil, silt, sand and FYM at 1:1:1 ratio., heaping at the filling silt and pricking out the seedlings.	4.6.5	2878.31	1000	Nos	31661
10	40.18	kgs	Cost of vermicompost @ 35 gms per container	Model estimate	10.00	1	kgs	402
11	17.1	kgs	Cost of VAM @ 15 gms per container	Model estimate	18.00	1	kgs	308
12	5.7	kgs	Cost of Azospirillum & Phospobacteria @ 6gms each per container	Model estimate	27.00	1	kgs	154
13	5.7	kgs	Cost of Phospobacteria @ 6gms each per container	Model estimate	27.00	1	kgs	154

Si. No	Quantity		Discription of Work	FSR/SSR Item No.	Rate	Per		Amt
			Watering the 16x30 cms container seedlings with rose can					
14	11000	Nos	a)Twice daily for 10 days	4.10.5	178.99	1000	day	19689
15	11000	Nos	b) Once daily for 30 days	4.11.5	89.49	1000	day	29532
16	11000	Nos	c) Alternate days for 40 watering days	4.11.5	89.49	1000	day	39376
17	11000	Nos	Cost of CFS Polythene container of Size 30 x 45 cm x 300 Gauge	L.R	6584.40	1 No		72428
18	22	Trip	Transport of Saplings by Private Vehicle ( Transported to Radius upto 3 KM )	LR	6000	1 Trip		132000
19	51.16	M <sup>3</sup>	Cost and Transport of Sand (20 M <sup>3</sup> for forming Mother bed 31.16 M <sup>3</sup> for Filling Bags )	MTP. ME	750.00	1 M <sup>3</sup>		38370
20	51.16	M <sup>3</sup>	Cost and Transport of Silt (20M <sup>3</sup> for forming Mother bed 31.16M <sup>3</sup> for Filling Bags )	MTP. ME	750.00	1 M <sup>3</sup>		38370
21	51.16	M <sup>3</sup>	Cost and Transport of Farm Yard Manure (20M <sup>3</sup> for forming Mother bed 31.16M <sup>3</sup> for Filling Bags )	MTP. ME	750.00	1 M <sup>3</sup>		38370
22	11000	Nos	Preparation of Soil Mixture by Breaking Clouds Seiving and mixing of Sand Silt according to requirement and Farm Yard Manure , Heaping at the Filling Poly Bags , Arranging Bags in Beds and Transplanting the Seedlings.	4.6.7	13820.74	1000 Nos		152028
23	11000	Nos	Watering the Container Plants Once Daily ( 36 Days )	4.11.7	135.45	1000 / Day		1490
24	11000 43 Days	Nos	Watering the Container Plants Weekly twice in 43 Days From 1 <sup>st</sup> April to 30 <sup>th</sup> August	4.11.7	135.45	1000 / Day		64068
25	11000 6 Shifts	Nos	Weeding Shifting and arranging in beds ( 6 Shifting ).	4.15.7	1301.29	1000 / Day		85885

Si. No	Quantity		Discription of Work	FSR/SSR Item No.	Rate	Per	Amt
26	220	Kgs	Cost of DAP @ 10 gms per Plant in two times	As per Research Wing Rate	25.00	1 Kg	5500
27	220	Kgs	Cost of Neem Cake @ 10 gms per Plant in two times.	As per Research Wing Rate	25.00	1 Kg	5500
28	11000 Nos 270 Days	Days	Engaging one Protection Mazdoor	As Per FSR 2022-23	483.75	$\frac{100000 \text{ Nos}}{\text{day}}$	14367
29	8	Nos	Hose pipe for Watering	LR	6600.00	1 No	52800
30	3	No	Rose Cane for Watering	LR	2200.00	1 No	6600
31	230	M	Providing Chainlink fence (site plan is enclosed)	as mode estimate	1450.00	RM	333500
32	LS	—	Contingencies for Unforeseen Expenditure.	—	—	—	4481
<b>Sub total</b>							<b>12,20,000</b>
Escalation charges 10% extra for the year 2023-24							122000
<b>Total</b>							<b>1342000</b>

**(Rupees Thirteen Lakh Forty two thousand only)**

Sir ,

Submitted to the District Forest Officer, Coimbatore Division, Coimbatore.

*(Creative Signed)*

*Defence*  
District Forest Officer  
Coimbatore Division,  
Coimbatore - 641 043.

*2019-20*

*2019-20*

**Forest Range Officer,  
Sirumugai Range,  
Sirumugai Range,**

**ESTIMATE FOR PLANTING SEEDLINGS IN DEGRADED FOREST IN ODANTHURAI RF,  
ERAKKORAI SARAGAM, ODANTHURAI BEAT OF SIRUMUGAI RANGE DURING 2022-23**

**No . of Seedlings**


<b>Diverted Area :</b>	<b>4.85 Ha</b>	<b>1000 Nos / Ha for 10.00 Ha</b>	<b>=</b>	<b>10000 Nos</b>
<b>Degraded Forest</b>	<b>10.00 Ha</b>	<b>10 % of Casualty</b>	<b>=</b>	<b>1000 Nos</b>
		<b>TOTAL</b>	<b>=</b>	<b>11000 Nos</b>

Sl. No	Quantity	Description of Work	FSR/SS R Item No.	Rate	per	Amount
1	10 Ha.	Aligning & Marking	5.2.1	667.58	Nos.	6676
2	10000	Digging 60cm <sup>3</sup> pits hard gravelly soil & hillocks during non rainy seasons	5.8.1	4479.53	100 Nos	447953
3	11000	Loading & unloading the container seedlings (30 x 45 cm) in private lorry upto a lead of 2 kms. Excluding hire charges for the vehicles)	5.11.7	1591.54	1000 Nos	17507
4	11000/ 22 load	Transporting of Container seedling (30x45 cm) in private vehicles upto a lead of 10 kms. Excluding loading and unloading charges @ 200 Nos/load	L.R	6000.00	1000 Nos / load	132000
5	11000 nos	Transporting of Container seedling (30x45 cm) by head loading the places where approach roads are not available to take vehicles for planting site upto 500 mts in plains	5.13.2 (1)	16447.50	1000	180923
6		Distribution of seedling in the site, C.plants upto 500 mtrs				
		<b>In Hillocks</b>				
a )	7000	Up to 100m	5.15.1	4837.50	1000 nos	33863
b )	3000	Up to 200m	5.15.2	8465.63	1000 nos	25397
c )	1000	Up to 500m	5.15.3	19833.75	1000 nos	19834
7	10000 nos	Planting the container plants by refilling pit of size 60 cm	5.22	827.21	100 Nos	82721
8	1000 nos	Replacement of casualties by reopening the failed pits and planting the seedlings	5.23	2239.77	100 Nos	22397

9	10000 nos	Scarping for 1 m dia and soil working 15 cm depth around each plants and removing the grass roots away from the site of uprooting the soil	5.24	595.01	100 Nos	59501
10	5 No / 6 Months	Engaging Protection Mazdoor From October - March (25 days).	FSR	483.75	1 Day	362813
11	1 No.	Drilling of borewell and installation of motor with solar panel including pipe line for irrigation purpose in the planting area.	LQ	1500000.00	No.	1500000.00
12	1.52 KM	Digging of EPT around the Planting area (10 Ha.)	PWD Rate	700000.00	KM	1064000
13	1 No.	Laying movable wooden platform for entering into the planting area from outside of the EPT.	LQ	50000.00	No.	50000
<b>Sub Total</b>						<b>40,05,583</b>
14		Escalation charges 10 %				447974
15	L.S	Contingencies for unforeseen expenditure to be restricted to as per actual etc.,	L.S	L.S	L.S	1443
<b>Total</b>						<b>44,55,000</b>

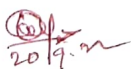
**(Rupees Forty four lakhs Fifty five Thousand only)**

Sir, Submitted to the District Forest Officer, Coimbatore Division, Coimbatore.

  
 Forest Range Officer  
 Sirumugai Range  
 Sirumugai

/ Counter Signed /

  
 District Forest Officer  
 Coimbatore Division,  
 Coimbatore - 641 043.

  
 20/9/20



**ESTIMATE FOR FIRST YEAR MAINTANENCE OF PLANTING IN DEGREADED  
FOREST, ODANTHURAI RF, ERAKKORAI SARAGAM, ODANTHURAI BEAT OF  
SIRUMUGAI RANGE DURING 2023-24**

No . of Seedlings

Degreaded Forest land

Area : 10.00 Ha

1000 Nos / Ha for = 10000 Nos

10.00 Ha

10 % of Casualty = 1000 Nos

Si. No	Quantity		Discription of Work	FSR/SSR Item No.	Rate	Per		Amt
1	230	Sqm	Preparation of Nursery Site	4.1	1170.68	200	Sqm	1346.00
2	1	kgs	Cost of Seeds	L.R	300.00	1	kgs	300.00
3	1000	Nos	Cost of 16X30 Cm X 300 G poly Bags	L.R	1740.50	1000	Nos	1741.00
4	1	Nos	Forming Germination Beds of Size 10mX 1mX0.30m by heading soil	FSR	483.75	1	Nos	484.00
5	1	beds	Watering the Germination Beds twice daily with rosecane and covering the bed with gunny bags for 15 days	4.5.1	396.68	10	beds	595.00
6	1	beds	Watering the Germination Beds once daily with rosecane for 15 days	4.5.2	198.34	10	beds	298.00
7	0.2	cum	Collection and supply of sand, silt and red soil according to the requirment for preparation of soil mizure - 4/5 th of the total volume	MTP. M.E	750.00	0.65	cum	231.00
8	0.09	cum	Cost and transport of Farm yard manure for 1/5th of the total volume for filling 10000 Nos. polybags of size 16x30cms.	L.R	750.00	0.65	cum	104.00
9	1000	Nos	Preparation of Soil Mixture by breaking clods, sievingand mixing of fertile earth, red soil, silt, sand and FYM at 1:1:1 ratio., heaping at the filling silt and pricking out the seedlings.	4.6.5	2878.31	1000	Nos	2878.00
10	3.65	kgs	Cost of vermicompost @ 35 gms per container	Model estimate	10.00	1	kgs	37.00
11	1.55	kgs	Cost of VAM @ 15 gms per container	Model estimate	18.00	1	kgs	28.00
12	0.51	kgs	Cost of Azospirillum & Phospobacteria @ 6gms each per container	Model estimate	27.00	1	kgs	14.00
13	0.51	kgs	Cost of Phospobacteria @ 6gms each per container	Model estimate	27.00	1	kgs	14.00

Si. No	Quantity		Discription of Work	FSR/SSR Item No.	Rate	Per		Amt
			Watering the 16x30 cms container seedlings with rose can					
14	1000	Nos	a)Twice daily for 10 days	4.10.5	178.99	1000	day	1790.00
15	1000	Nos	b) Once daily for 30 days	4.11.5	89.49	1000	day	2685.00
16	1000	Nos	c) Alternate days for 40 watering days	4.11.5	89.49	1000	day	3580.00
17	1000	Nos	Cost of CFS Polythene container of Size 30 x 45 cm x 300 Gauge	L.R	6584.40	1 No		6584.00
18	2	Trip	Transport of Saplings by Private Vehicle ( Transported to Radius upto 3 KM )	LR	6000	1 Trip		12000.00
19	4.65	M <sup>3</sup>	Cost and Transport of Sand (20 M <sup>3</sup> for forming Mother bed 31.16 M <sup>3</sup> for Filling Bags )	MTP. ME	750.00	1 M <sup>3</sup>		3488.00
20	4.65	M <sup>3</sup>	Cost and Transport of Silt (20M <sup>3</sup> for forming Mother bed 31.16M <sup>3</sup> for Filling Bags )	MTP. ME	750.00	1 M <sup>3</sup>		3488.00
21	4.65	M <sup>3</sup>	Cost and Transport of Farm Yard Manure (20M <sup>3</sup> for forming Mother bed 31.16M <sup>3</sup> for Filling Bags )	MTP. ME	750.00	1 M <sup>3</sup>		3488.00
22	1000	Nos	Preparation of Soil Mixture by Breaking Clouds Seiving and mixing of Sand Silt according to requirement and Farm Yard Manure , Heaping at the Filling Poly Bags , Arranging Bags in Beds and Transplanting the Seedlings.	4.6.7	13820.74	1000 Nos		13821.00
23	1000	Nos	Watering the Container Plants Once Daily ( 36 Days )	4.11.7	135.45	1000 / Day		135.00
24	1000 43 Days	Nos	Watering the Container Plants Weekly twice in 43 Days From 1 <sup>st</sup> April to 30 <sup>th</sup> August	4.11.7	135.45	1000 / Day		5824.00
25	<u>1000</u> 6 Shifts	Nos	Weeding Shifting and arranging in beds ( 6 Shifting ).	4.15.7	1301.29	1000 / Day		7808.00
26	20	Kgs	Cost of DAP @ 10 gms per Plant in two times	As per Research Wing Rate	25.00	1 Kg		500.00
27	20	Kgs	Cost of Neem Cake @ 10 gms per Plant in two times.	As per Research Wing Rate	25.00	1 Kg		500.00
28	<u>1000 Nos</u> 270 Days	Days	Engaging one Protection Mazdoor	As Per FSR 2022-23	483.75	<u>100000 Nos</u> day		1306.00
29	1000 Nos		Loading and unloading the container seedling	5.11.7	1591.54	1000		1592.00

Si. No	Quantity	Discription of Work	FSR/SSR Item No.	Rate	Per	Amt
30	1000 Nos	Transporting Charges for seedling 30 x 45 by head load up to 500 mts	5.13.2	16447.00	1000	16447.00
31	1000 Nos	Distribution of Container seedlings				
a )	400	upto 100 m	5.15.1	4837.50	1000	1935.00
b )	400	upto 200 m	5.15.2	8465.63	1000	3386.00
c )	200	upto 500 m	5.15.3	19833.75	1000	3967.00
32	1000 Nos	Application of DAP Mixture @ 20g per plant & Mixing the pits before planting including cast & transport	ME	25.00	1 No.	500.00
33	1000 Nos	Replacement of causalities by reopening failed pits and planting the seeding	5.23	2239.68	100	22397.00
34	10000 Nos	Scrap - weeding and soil works 1m dia and 15 cm depth around each plant	5.24	595.01	100	59501.00
	<b>Sub total</b>					<b>184792.00</b>
35	Add 10 % on Rs. 190740 - for escalation Charges for 2023-24 (190740x10%) = Rs.19074					18479.00
	<b>Sub Total - B</b>					<b>203271.00</b>
36	Add 10 % on Rs. 209816 - for escalation Charges for 2024-25 (209816x10%) = Rs.20981.6					20327.00
37	LS	Contingencies for Unforeseen Expenditure.	-	-	-	8339.00
	<b>Sub total</b>					<b>620000.00</b>
	Escalation charges 10% extra for the year 2023-24					62000.00
	<b>Total</b>					<b>682000.00</b>

(Rupees Six Lakh eighty two thousand only)

Sir ,

Submitted to the District Forest Officer, Coimbatore Division, Coimbatore.

Forest Range Officer,  
Sirumugai Range,  
Sirumugai Range,

Coimbatore signed /  
District Forest Officer  
Coimbatore Division,  
Coimbatore - 641 043.

20/9-21

**ESTIMATE FOR SECOND YEAR MAINTANENCE OF PLANTING IN DEGRADED FOREST,  
ODANTHURAI RF, ERAKKORAI SARAGAM, ODANTHURAI BEAT OF SIRUMUGAI RANGE  
DURING 2024-25**


No of Seedling Planted                      10000 Nos  
10% Causality                                      1000 Nos

SL. No	Qty	Details of Works	FSR/SSR Item No.	Rate	Per	Amount
1	10000 Nos	Scrap - weeding and soil works 1m dia and 15 cm depth around each plant	5.24	595.01	100	59501.00
	<b>Sub Total - A</b>					<b>59,501.00</b>
2	Add 10 % on Rs. 59501 - for escalation Charges for 2023-24 (59501x10%) = Rs.5950					<b>5,950.00</b>
	<b>Sub Total - B</b>					<b>65,451.00</b>
3	Add 10 % on Rs. 65451- for escalation Charges for 2024-25 (65451x10%) = Rs. 6545					<b>6,545.00</b>
	<b>Sub Total - C</b>					<b>71,996.00</b>
4	Add 10 % on Rs. 71996 - for escalation Charges for 2025-26 (71996x10%) = Rs. 7200					<b>7,200.00</b>
	L.s	Contingencies	L.S	L.S.	L.S	804.00
<b>Total</b>						<b>80,000.00</b>

**(Rupees Eighty Thousand only)**

S.V,

Submitted to the District Forest Officer, Coimbatore Division, Coimbatore.

  
Forest Range Officer,  
Sirumugai Range,  
Sirumugai

/ Co-ordinator Signed /



District Forest Officer  
Coimbatore Division,  
Coimbatore - 641 043.

  
20/12-24



**ESTIMATE OF THIRD YEAR TO TENTH YEAR MAINTANENCE OF PLANTING IN  
DEGRADED FOREST IN ODANTHURAI RF, ERAKKORAI SARAGAM, ODANTHURAI  
BEAT OF SIRUMUGAI RANGE DURING 2026-27 to 2032-33**

No of Seedling Planted 10000 Nos

10% Causality 1000 Nos

SL. No	Qty	Details of Works	FSR/SSR Item No.	Rate	Per	Amount
1	10000 Nos	Scrap - weeding and soil works 1m dia and 15 cm depth around each plant	5.24	595.01	100	59,501.00
		<b>Sub Total :-</b>				<b>59,501.00</b>
		Escalation Charges for 2023-24				5,950.00
		Escalation Charges for 2024-25				6,545.00
		Escalation Charges for 2025-26				7,200.00
2	L.s	Contingencies	L.S	L.S.	L.S	804.00
		<b>Grand Total</b>				<b>80,000.00</b>
		Add 10% on Rs.80000- for escalation cost (80000x10%= Rs.8000				8,000.00
		<b>Total cost for 3rd year maintenance :-</b>				<b>88,000.00</b>
		Add 10% on Rs.88000- for escalation cost (88000x10%= Rs.8800				8,800.00
		<b>Total cost for 4th year maintenance :-</b>				<b>96,800.00</b>
		Add 10% on Rs.96800- for escalation cost (96800x10%= Rs.9680				9,680.00
		<b>Total cost for 5th year maintenance :-</b>				<b>1,06,480.00</b>
		Add 10% on Rs.106480- for escalation cost (106480x10%= Rs.10648				10,648.00
		<b>Total cost for 6th year maintenance :-</b>				<b>1,17,128.00</b>
		Add 10% on Rs.117128- for escalation cost (117128x10%= Rs.11713				11,713.00
		<b>Total cost for 7th year maintenance :-</b>				<b>1,28,841.00</b>
		Add 10% on Rs.128841- for escalation cost (128841x10%= Rs.12884				12,884.00
		<b>Total cost for 8th year maintenance :-</b>				<b>1,41,725.00</b>
		Add 10% on Rs.141725- for escalation cost (141725x10%= Rs.14173				14,173.00
		<b>Total cost for 9th year maintenance :-</b>				<b>1,55,898.00</b>
		Add 10% on Rs.155898- for escalation cost (155898x10%= Rs.15590				15,590.00
		<b>Total cost for 10th year maintenance :-</b>				<b>1,71,488.00</b>

Sir,  
Submitted to the District Forest Officer, Coimbatore Division, Coimbatore.

*Counter Signed*  
*Noted*  
District Forest Officer  
Coimbatore Division,  
Coimbatore - 641 043.

*[Signature]*  
Forest Range Officer,  
Sirumugai Range,  
Sirumugai.

*[Signature]*  
20/9.22

*[Signature]*