

TAMIL NADU FOREST DEPARTMENT

From,

Thiru. K.Rammohan, I.F.S.,
District Forest Officer,
Thiruvallur Division,
Thiruvallur.

To

The Conservator of Forests
Chennai circle,
Chennai.

C.No.1080/2020/D

Date: 08.11.2022

Madam,

Sub: Forest (Conservator) Act, 1980 – Thiruvallur Division/
Chennai Circle – Proposal for Diversion of 0.30 ha of
Forest Land in Kodivalasa RF for construction of road in
the existing right of way leading to Udyamurugan Koil in
Nelikundram Malai in Pallipattu Taluk in Thiruvallur
District – Online Submission of Proposal- Regarding.

- Ref: 1. The Principal Chief conservator of Fortes
Ref.No.TS3/23612/2021 Date: 29.09.2021.
2. The Conservator Forest, Chennai Circle, Chennai
Ref.No.6700/2022/D/ Date:22.09.2022.
3. Online application uploaded by the User Agency The
Block Development Officer, Pallipet Panchayat Union,
Pallipet, Thiruvallur District Proposal
No.FP/TN/Road/143791/2021 Date:20.06.2021 and
resubmission of proposal on 08.09.2021.

I Submit herewith, that the details called in the reference 2nd cited, the
compensatory afforastation scheme works proposal, estimate and financial
statement Diversion of 0.30 ha of Forest Land for construction of road in the
existing right of way of leading to Udamurugan Koil in Nelikundram Malai in
Pallipattu Taluk in Thiruvallur District.

Enclosure : As stated above

Yours Faithfully.
Sd/-K.Rammohan,
District Forest Officer,
Thiruvallur Division.
Thiruvallur.

/T.c.b.o/


District Forest Officer.

DETAILS OF FINANCIAL OUTLAY FOR COMPENSATORY AFFORESTATION

Sl. No	Details	Physical Target		Unit Cost		Amount	Remarks
1	Plantation of 2 times area 0.60 Ha(for diversion of 0.30 Ha) in the degraded forest area (Eco -4) as the non availability of non forest area. Number of seedlings 600 per Ha						
a.	Raising (2023-24)	600	Nos	146.30 / 1 No		87780	600 Seedlings are proposed to be planted in 0.60 Ha degraded forest area in Kodivalasa RF, and it will be maintained for a period of 10 years
c.	Planting(2024-25)			544.50 / 1 No		326700	
d.	1 st year (2025-26)			437.90 / 1 No		262740	
e.	2 nd year(2026-27)			270.86 / 1 No		162516	
f.	3 rd year(2027-28)			297.94 / 1 No		178764	
g.	4 th year(2028-29)			11.51 / 1 No		6906	
h.	5 th year (2029-30)			12.67 / 1 No		7602	
i.	6 th year (2030-31)			13.93 / 1 No		8358	
k.	7 th year(2031-32)			15.33 / 1 No		9198	
l.	8 th year(2032-33)			16.86 / 1 No		10116	
m.	9 th year(2033-34)			18.54 / 1 No		11124	
n.	10 th year(2034-35)			20.40 / 1 No		12240	
				Sub Total-A	1084044		
3	Removal of Lemon Grass						
a.	Removal of Lemon Grass Yearly twice daily for the months of june and December	0.60	Ha	24763.59	Per Ha	14858	The invasive grass has covered most of the areas and this has degraded the grazing ground for herbivore animals and the fodder for herbivorous animals. It is proposed to maintain the habitat with indigenous species by clearing the grass in a phased manner. This will also create better conditions for the herbivorous and improve the environment. The work proposed during the 2023-24
b.	Removal of Lemon Grass Yearly twice times for the month of june and December	0.6	Ha	20020.87	Per Ha	12013	During the 2024-25
c.	Removal of Lemon Grass Yearly twice times for the month of june and December	0.6	Ha	16577.57	Per Ha	9947	During the 2025-26
d.	Removal of Lemon Grass Yearly twice times for the month of june and December	0.6	Ha	18234.77	Per Ha	10941	During the 2026-27
				Sub Total -B		47758	
	GRAND TOTAL			Grand total (A+B)		1131802	

Rs.1131802/- (Rupees eleven lakhs thirty one thousand eight hundred and two Only)


 District Forest Officer,
 Tiruvallur Division,
 Tiruvallur

2
 8/11/22

Model Estimate for Raising Nursery

Size of Polybags

No of Seedlings

1000

(+) Replacement casualties

100

Total

1100

Period of Nursery: 10 Months

Wages Rate: Rs.

488.25

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Unit	Amount
NURSERY OPERATIONS FOR 13x25cm									
1	150	M2	Preparation of Nursery site by Clearing and levelling the site for forming standard bed of size 10mx1m	4.1	2.42	1181.57	200.00	M2	886
2	2.2	kg	Cost of Seeds (2Kgs/ 1000 Nos)	Campa M.E 2022-23		250	1	kg	550
3	1100	Nos	Cost of 13x25cmx250G polybags(inclu.GST 18%)	Tender rate 2022-23		962	1000	Nos	1058
4	3.00	Cu.m	Formation of germination beds of size 10x1x3 m	PWD SOR 2022-23 Annexure - III, 39/50		70.95	1.00	Cu.m	213
5	1.0	Beds	Watering the Germination Beds twice daily with rose can (15days)	4.5.1	0.82	400.37	10	Beds	601
6	1.0	Beds	Watering the germination beds once daily with rose can (15days)	4.5.2	0.41	200.18	10.00	Beds	300
7	0.903	Cu.m	Collection and supply of sand silt and red soil according to the requirement of preparation of soil mixture 3/4th of total volume (0.84 M3/ 1000 Nos)	Nabard M.E 2022-23		1500.00	1 CUM	Cu.m	1355
8	0.308	Cu.m	Collection and transport of farm yard manure filling bags 1/4th of total volume (0.28M3/ 1000 Nos)	Nabard M.E 2022-23		1500.00	1 CUM	Cu.m	462
9	1100	Nos	Preparation of soil mixture by breaking clods,seiving, mixing fertile earth (including redsoil, silt and sand according to requiements) and farmyard manure in the reation of 3.1.heaping at the filling site and filling in poly bags arranging bags in beds and pricking out the seedlings(excluding cost of soil mixture and FYM)	4.6.4	4.48	2187.36	1000.00	Nos	2406
10	28.00	Kgs	Cost of Vermicasting @ per 25gm /seedlings	As per Research Wing Rate	-	10.00	1.00	Kgs	280
11	11.00	Kgs	Cost of VAM @ 10gm per /seedlings		-	18.00	1.00	Kgs	198

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Unit	Amount
12	6.00	Kgs	Cost of Azospirillum @ 5 per 5gm/ seedlings	As per Research Wing Rate		27.00	1.00	Kgs	162
13	6.00	Kgs	Cost of Phosphobacteria @ per 5gm/ seedlings			27.00	1.00	Kgs	162
14			watering the container plants with rose cans						
a	1100	Nos	Twice daily 15 days	4.10.4	0.23	112.30	1000.00	Nos	1853
b	1100	Nos	Once daily 30days	4.11.4	0.115	56.15		Nos	1853
c	1100	Nos	Alternate days spread over 30 days (Effective days -15)		0.115	56.15		Nos	926
15	1100	Nos	cost of water for watering the container seedlings - 60 watering days	4.18 -FSR 1998-99		0.85	1000.00	Nos	56
16	1100	Nos	Land rent @ 3000 bags/40 sq.m - 3 Months	4.17	LR	86.00	40 sq.m/months		568
	73.33	M2/ 3 Months							
17	1100	Nos	Shifting the container plants weeding grading and replacement of casualties in the bags (shifting to done once in 21days, first shifting not before 45days after pricking out)2 shifts	4.15.4	0.51	249.01	1000.00	Nos	548
PART II - Bigger size bags : 30x45cmx600g									
18	1100	Nos	Cost of 30x45cmx600G polybags(inclu.GST 18%)	Tender rate -2022-23	-	9257.00	1000	Nos	10183
19	10.15	M3	Collection and supply of sand silt and red soil according the requirement of preparation of soil mixture 4/5th of total volume (excluding volume of earth in 13x25 cm container)(@9.23 Cu.m/ 1000 Nos)	Nabard M.E 2022-23	-	1500.00	1	M3	15225
20	2.541	M3	Cost of transport of Farm yard manure for filling bags 1/5th of total volume. (@2.31 Cu.m/m 1000 Nos)		-	1500.00	1	M3	3812

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Unit	Amount
21	1100	Nos	Preparation of soil mixture by breaking clods, sieving, mixing redsoil, silt and sand according to requirements and farmyard manure in the ratio of 4:1. heaping at the filling site and filling site in poly bags, arranging bags in beds and pricking out the seedling (excluding cost of soil mixture and FYM)	4.6.7	28.57	13949.30	1000	Nos	15344
22	39.00	Kgs	Cost of Vermicasting @ 35gm / seedlings	As per Research Wing Rate	-	10.00	1.0	Kgs	390
23	17.00	Kgs	Cost of VAM @ 15 gm / seedlings		-	18.00	1.0	Kgs	306
24	7.00	Kg	Cost of Azospirillum @ 6gm/ seedlings	As per Research Wing Rate	-	27.00	1.0	Kg	189
25	7.00	Kg	Cost of phosphobacteria @ 6gm/seedlings		-	27.00	1.0	Kg	189
26	11.00	Maz	Labour cost of transplanting seedlings from 13x25 cm container bags into 30x45 cm containers 10maz/1000	CAMPA ME-2022-23	-	488.25	1.0	Maz	5371
27	1100	Nos	Cost of vertical strick (Casurina poles 5 cm - 8 cm girth and 1.00 m Height for each plants)	PWD SOR 2022-23 Annexure - II, 132-D	-	17.50	1.0	Nos	19250
28	550	Nos	Cost of Horizontal strick (Casurina poles 5 cm - 8 cm girth and 1.00 m Height for each plants)	PWD SOR 2022-23 Annexure - II, 132-D	-	17.50	1.0	Rm	9625
29	1100	Nos	Tying plants to vertical stick once in a month - 2 times	CAMPA ME-2022-23	-	0.40	1.00	Nos	440
30	1100	Nos	Pruning side branches once in 2 months - 2 times	CAMPA ME-2022-23	-	1.00		Nos	1100
31			Watering the container plants with rose can						
a	1100	Nos	Twice daily - 15days	4.10.7	0.56	273.42	1000	Nos	4511
b	1100	Nos	Once daily - 30 days	4.11.7	0.28	136.71	1000	Nos	4511
c	1100	Nos	Once in alternate days - spread over 60 days (Effective days - 30days)	4.11.7	0.28	136.71	1000	Nos	4511
d	1100	Nos	Twice in a week spread over 105 days (Effective days - 30days)	4.11.7	0.28	136.71	1000	Nos	4511
32	1100	Nos	Land rent @ 500 bags/40 sq.m - 7 Months	4.17	LR	86.00	40		1324
		M2/7 months					sq.m/mo nths		

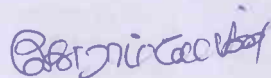
SI. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Unit	Amount
33	1100	Nos	Shifting the container plants weeding grading and replacement of casualties in the bags -shifting to done once in 21days - 7 shifts	4.15.7	2.69	1313.39	1000	Nos	10113
34	1100	Nos	Cost of water for watering the container - 105 watering days	4.18 - FSR 1998-99	-	1.60	1000	Nos	185
35	1	Nos	Nursery protection mazdoors 1 No / 100000 Nos of 30 x 45 cm bags - 300 days.(90d+210d)	4.17-FSR 1998-99	1	488.25	100000/M	Nos	1611
36	5	Months	Provision for cost of pesticides and fungasides and Labour charges for application of pesticides - 2 times / month	LR	-	200	1	Months	3000
37	LS		Photo & Documentations ect	LS					1100
38	LS		Contingencies unforeseen items	LS					1761
TOTAL									133000

Rate calculated for 2022-23 for 1000 nos for Rs 133000

1 seedling Rate for 2022-23 Rs 133.00 Per seedling

Add 10% for 2023-24 **13.30**

1 seedling Rate for 2023-24 Rs 146.30 Per seedling ✓


District Forest Officer,
Tiruvallur Division,
Tiruvallur

Model Estimate for Planting

Size of Polybags : 30x45 cm
 No of Seedlings 1000
 (+) Replacement casualties 100
 1100
 Wages Rate : Rs. 488.25

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1000	Nos	Aligning and Marking in plantation area	5.24	1.38	673.79	100	6738
2	1000	Nos	Digging of 60cm ³ pits in all types of soil during non rainy season	as per based on FSR 5.8.1	9.26	4521.20	100 Nos	45212
3	72.00	M3	Cost and transport of farmyard manure each plant (0.60x0.60x0.20=0.072x1000= 72 m3)	Nabard M.E 2022-23	-	1500	1 M3	108000
4	1000	Nos	Application of Farm yard manure by mixing in the pit before planting - 1 mazdoor for 200 Nos	FSL wage rate	1	488.25	200 Nos	2441
5	1000	Nos	Cost of Bio fertilizer including cost of application - Vermicompost - 1kg, Bio Fertilizer - 100 gms, VAM - 100 gms	NHAI ME	-	7.70	1 No	7700
6	1100	Nos	Transport of saplings (transported to the radius of 40 kms) Excluding load and unloading charges by Private Vehicle	NHAI ME	-	7.00	1 No	7700
7	1100	Nos	Loading & Unloading the Container seedlings(30 x45cm) in private lorry upto a lead of 2kms excluding hire charges for the vehicles	5.11.7	3.29	1606.34	1000 Nos	1767
8			Distribution of saplings from where seedlings are stocked to the planting spot upto 500mts.					
a	440	Nos	Upto 100 m	5.15.1	10	4882.50	1000 Nos	2148
b	440	Nos	Upto 200 m	5.15.2	17.5	8544.38	1000 Nos	3760
c	220	Nos	Upto 500 m	5.15.3	41	20018.25	1000 Nos	4404
9	1000	Nos	Planting the Container plants by refilling pits of size 60 cm ³	as per based on FSR 5.22	1.71	834.91	100 Nos	8349
10	2500	RM	Provision of vertical casurina poles 5cm to 8cm girth and 2.50 m height per plant	PWD SOR 2022-23 Annexure -II, 132-D		17.50	each	43750
11	100	Nos	Replacement of casualties by reopening failed pits and planting the saplings (1/2 pitting rate on rainy days + full planting rate)	5.23	6.34	3095.51	100 Nos	3096
12	1000	Nos	Scraping for 1 m dia and soil working 15 cm depth around each plants and removing the grass roots away from the site of upturning the soil.	5.24	1.23	600.55	100 Nos	6006

SI. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
13	1000	Nos	Forming catch water drains for each plant in plains 90 cm x 45 cm x 30 cm size in hillocks and hard gravelly soil	5.26	6.84	3339.63	100 Nos	33396
14	1000	Nos	Watering the plants once in 6 days during non rainy period (from January to March) 200 Plants per mazdoor - 15 watering days	NHAI ME		488.25	200 Nos	36619
15	300000	Ltrs	Cost of water @ 20 liter per seedlings 15 watering days (1000x20x15=300000Ltrs)	NHAI ME	-	1200.00	12000 Ltrs	30000
16	1	Nos	Plantation Protection mazdoor from Octeber to March -180m days.	Wages rate	1	488.25	1M	87885
17	1000	Nos	Removing /scrapping vizal monsoon or bothai grass for one meter dia around the plants	5.27	0.21	102.53	100 Nos	1025
18	5	Months	Provision for cost of pesticides and fungaside and labour charges for application of pesticides - 2 times /month	LR	-	200.00	1 time	2000
19	LS		Photo and Documentation ect.,	LS				1500
20	LS		Contingencies and unforeseen expenditure to be restricted to as per actual.	LS				6505
TOTAL								450000

Rate calculated for 2022-23 for 1000 nos for Rs 450000

Cost of seedlings for 2022-23 450.00 per seedling

Add 10 % escalation for 2023-24 45.00

Cost of seedlings for 2023-24 495.00 per seedling

Add 10 % escalation for 2024-25 49.50

Cost of seedlings for 2024-25 544.50 per seedling


District Forest Officer,
Tiruvallur Division,
Tiruvallur

Model Estimate for 1st Year Maintenance

Size of Polybags :30x45cm

Raising Targat 1000 Nos

Replacement of Casualties : 10% 100 Nos

Total 1100 Nos

Wages Rate Rs. 488.25

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
A. NUSERY OPERATION								
1	100	Nos	Raising cost of seedlings in 30 x 45 size polythene bags(As per nursery estimate)	As per nursery estimate	-	133.00	1 No	13300
B.PLANTING OPERATION								
1	100	No	Cost and transport of Farm yard manure each plants 0.60x0.60x0.20=0.072m3/pit	Nabard M.E 2022-23		1500.00	1 m3	10800
	7.2	M3						
2	244	Nos	Application of Farm yard manure by mixing in the pit before planting - 1 mazdoor for 200 Nos	FSL wages rate	-	488.25	200 Nos	596
3	100	Nos	Transporting saplings(transported in the radius of 40 kms)excluding loading and unloading in Private vehicle	NHAI ME	-	7.00	1	700
4	100	Nos	Loading and Unloading the container seedlings (30x45cm) in private lorry upto a lead of 2kms (excluding hire charges for the vehicles)	5.11.7	3.29	1606.34	1000 Nos	161
5			Distribution of seedlings in the site C. plants upto 500mtrs - in plains					
a	40	Nos	Upto 100mt	5.15.1	10.00	4882.50	1000 Nos	195
b	40	Nos	Upto 200mt	5.15.2	17.50	8544.38	1000 Nos	342
c	20	Nos	Upto 500mt	5.15.2	41.00	20018.25	1000 Nos	400
6	100	Nos	Replacement of casualties by reopening failed pits and planting the seedlings	5.23	5.57	2719.55	100 Nos	2720

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
7	1000	Nos	Scrapping for 1m dia and soil working 15cm depth around each plants and removing the grass roots away from the site of upturning the soil	5.24	1.23	600.55	100 Nos	6006
8	1000	Kg	Cost of Bio Fertilizers including cost of application Vermi-compose 1 kg, Bio fertilizer 100 gms VAM 100 gms	NHAI ME		7.70	Kg	7700
9	600000	Ltrs	Cost of water @ 20 liter per seedling 30 watering days (1000x20x30=600000Ltrs)	NHAI ME		1200.00	12000 Ltrs	60000
10	1000	Nos	Watering the plants once in 6 days (excluding rainy days) from April to June & January to March @ one mazdoor for 200 plants/watering day- (15+15 = 30 watering days)	4.117	0.28	488.25	200	73238
11	1	No	Engaging protection Mazdoor @1 Mazdoor from April to March -12 months(25days /month)	FSR wage rate		488.25	1	146475
12	LS		Contingencies and unforeseen expenditure to be restricted to as per actual.					6369
TOTAL								329000

Rate calculated for 2022-23 for

1000 nos for Rs **329000**

Cost of seedlings for 2022-23 **329.00 per seedling**

Add 10 % escalation for 2023-24 32.90

Cost of seedlings for 2023-24 361.90 per seedling

Add 10 % escalation for 2024-25 36.19

Cost of seedlings for 2024-25 398.09 per seedling

Add 10 % escalation for 2025-26 39.81

Cost of seedlings for 2025-26 437.90 per seedling


District Forest Officer,
Tiruvallur Division,

8/11/22 Tiruvallur

Model Estimate for 2nd Year Maintenance

Size of Polybags :30x45cm

Raising Targat 1000 Nos

Replacement of Casualties : 10% 100 Nos

Wages Rate Rs. 488.25

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1000	Nos	Scraping for 1m dia and soil working 15cm depth around each plants and removing the grass roots away from the site of upturning the soil	5.24	1.23	600.55	100 Nos	6006
2	1000	Nos	Cost of Bio Fertilizers including cost of application Vermi-compose 1 kg, Bio fertilizer 100 gms VAM 100 gms	NHAI ME	-	7.70	1kg	7700
3	600000	Ltrs	Cost of water @ 20 liter per seedlings 30 watering days (1000x20x30=600000Ltrs)	NHAI ME	-	1200.00	12000 Ltrs	60000
4	1000	Nos	Watering the plants once in 6 days (excluding rainy days) from April to June & January to March @ one mazdoor for 200 plants/watering day- (15+15 = 30 watering days)	4.11.7		488.25	200 Shift	73238
5	1	Nos	Engaging protection Mazdoor @1 Mazdoor (3 months) (25days /month)	FSR wage rate- 2022-23	-	488.25	1	36619
6	LS		Contingencies for application of pesticides etc. and unforeseen items if any	LS				1438
TOTAL								185000

Rate calculated for 2022-23 for 1000 nos for Rs 185000

Cost of seedlings for 2022-23 185.00 per seedling

Add 10 % escalation for 2023-24 18.50

Cost of seedlings for 2023-24 203.50 per seedling

Add 10 % escalation for 2024-25 20.35

Cost of seedlings for 2024-25 223.85 per seedling

Add 10 % escalation for 2025-26 22.38

Cost of seedlings for 2025-26 246.23 per seedling

Add 10 % escalation for 2026-27 24.62

Cost of seedlings for 2026-27 270.86 per seedling


 District Forest Officer,
 Tiruvallur Division,
 Tiruvallur

Model Estimate for 3rd Year Maintenance

Size of Polybags :30x45cm

Raising Target

1000 Nos

Replacement of Casulaties : 10%

100 Nos

Wages Rate

Rs. 488.25

			Wages Rate					
Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1000	Nos	Scrapping for 1 m dia and soil working 15 cm depth around each plants and removing the grass roots away from the site of upturning the soil - 2 times	5.24	1.23	600.55	100 Nos	6006
2	1000	Nos	Cost of Bio Fertilizers including cost of application Vermi-compose 1 kg, Bio fertilizer 100 gms VAM 100 gms	NHAI ME	-	7.70	1kg	7700
3	600000	Ltrs	Cost of water @ 20 liter per seedling 45 watering days (20x1000x30=600000Ltrs)	As per ME	-	1200.00	12000 Ltrs	60000
4	1000	Nos	Watering the plants once in 6 days (excluding rainy days) from April to June & January to March @ one mazdoor for 200 plants/watering day- (15+15 = 30 watering days)	4.11.7	0.28	488.25	200 shift	73238
5		1 Nos	Engaging protection Mazdoor @1 Mazdoor (3 months) (25days /month)	FSR wage rate	-	488.25	1 Nos	36619
6		LS	Contingencies for application of pesticides etc. and unforeseen items if any	LS				1438
TOTAL								185000

Rate calculated for 2022-23 for 1000 nos for Rs 185000

Cost of seedlings for 2022-23 185.00 per seedling

Add 10 % escalation for 2023-24 18.50

Cost of seedlings for 2023-24 203.50 per seedling

Add 10 % escalation for 2024-25 20.35

Cost of seedlings for 2024-25 223.85 per seedling

Add 10 % escalation for 2025-26 22.38

Cost of seedlings for 2025-26 246.23 per seedling

Add 10 % escalation for 2026-27 24.62

Cost of seedlings for 2026-27 270.86 per seedling

Add 10 % escalation for 2027-28 27.09

Cost of seedlings for 2027-28 297.94 per seedling

[Signature]
District Forest Officer,
Tiruvallur Division,
Tiruvallur

Model Estimate for 4th Year Maintenance

Size of Polybags :30x45cm

Raising Targat 1000 Nos

Replacement of Casualties : 10% 100 Nos

Wages Rate Rs. 488.25

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1000	Nos	Scraping for 1m dia and soil working 15cm depth around each plants and removing the grass roots away from the site of upturning the soil	5.24	1.23	600.55	100 Nos	6006
2	LS		Contingencies for application of pesticides etc. and unforeseen items if any	LS				494
TOTAL								6500

Rate calculated for 2022-23 for
1000 nos for Rs

6500

Cost of seedlings for 2022-23

6.50 per seedling

Add 10 % escalation for 2023-24

0.65

Cost of seedlings for 2023-24

7.15 per seedling

Add 10 % escalation for 2024-25

0.71

Cost of seedlings for 2024-25

7.86 per seedling

Add 10 % escalation for 2025-26

0.79

Cost of seedlings for 2025-26

8.65 per seedling

Add 10 % escalation for 2026-27

0.87

Cost of seedlings for 2026-27

9.52 per seedling

Add 10 % escalation for 2027-28

0.95

Cost of seedlings for 2027-28

10.47 per seedling

Add 10 % escalation for 2028-29

1.05

Cost of seedlings for 2028-29

11.51 per seedling


 District Forest Officer,
 Tiruvallur Division,
 Tiruvallur

Model Estimate for 5th Year Maintenance

Size of Polybags :30x45cm

Raising Targat 1000 Nos

Replacement of Casualties : 10% 100 Nos

Wages Rate Rs. 488.25

SI. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1000	Nos	Scraping for 1m dia and soil working 15cm depth around each plants and removing the grass roots away from the site of upturning the soil	5.24	0.28	600.55	100 Nos	6006
2	LS		Contingencies for application of pesticides etc. and unforeseen items if any					494
TOTAL								6500

Rate calculated for 2022-23 for
1000 nos for Rs

6500

Cost of seedlings for 2022-23

6.50 per seedling

Add 10 % escalation for 2023-24

0.65

Cost of seedlings for 2023-24

7.15 per seedling

Add 10 % escalation for 2024-25

0.71

Cost of seedlings for 2024-25

7.86 per seedling

Add 10 % escalation for 2025-26

0.79

Cost of seedlings for 2025-26

8.65 per seedling

Add 10 % escalation for 2026-27

0.87

Cost of seedlings for 2026-27

9.52 per seedling

Add 10 % escalation for 2027-28

0.95

Cost of seedlings for 2027-28

10.47 per seedling

Add 10 % escalation for 2028-29

1.05

Cost of seedlings for 2028-29


11.51 per seedling

Add 10 % escalation for 2029-30

1.15

Cost of seedlings for 2029-30

12.67 per seedling


District Forest Officer,
Tiruvallur Division,
Tiruvallur

Model Estimate for 6th Year Maintenance

Size of Polybags :30x45cm

Raising Targat 1000

Replacement of Casulaties : 10% 100

Wages Rate 488.25

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1000	Nos	Scraping for 1m dia and soil working 15cm depth around each plants and removing the grass roots away from the site of upturning the soil	5.24	1.23	600.55	100 Nos	6006
2	LS		Contingencies for application of pesticides etc. and unforeseen items if any					494
TOTAL								6500

Rate calculated for 2022-23 for
1000 nos for Rs **6500**

Cost of seedlings for 2022-23 6.50 per seedling

Add 10 % escalation for 2023-24 0.65

Cost of seedlings for 2023-24 7.15 per seedling

Add 10 % escalation for 2024-25 0.71

Cost of seedlings for 2024-25 7.86 per seedling

Add 10 % escalation for 2025-26 0.79

Cost of seedlings for 2025-26 8.65 per seedling

Add 10 % escalation for 2026-27 0.87

Cost of seedlings for 2026-27 9.52 per seedling

Add 10 % escalation for 2027-28 0.95

Cost of seedlings for 2027-28 10.47 per seedling

Add 10 % escalation for 2028-29 1.05

Cost of seedlings for 2028-29 11.51 per seedling

Add 10 % escalation for 2029-30 1.15

Cost of seedlings for 2029-30 12.67 per seedling

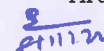
Add 10 % escalation for 2030-31 1.27

Cost of seedlings for 2030-31 13.93 per seedling



District Forest Officer,

Tiruvallur Division,

 Tiruvallur.

Model Estimate for 7th Year Maintenance

Size of Polybags :30x45cm

Raising Targat 1000 Nos

Replacement of Casualties : 10% 100 Nos

Wages Rate Rs. 488.25

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1000	Nos	Scraping for 1 m dia and soil working 15 cm depth around each plants and removing the grass roots away from the site of upturning the soil	5.24	1.23	600.55	100 Nos	6006
2	LS		Contingencies for application of pesticides etc. and unforeseen items if any					494
TOTAL								6500

Rate calculated for 2022-23 for 1000 nos for Rs 6500

Cost of seedlings for 2022-23 6.50 per seedling

Add 10 % escalation for 2023-24 0.65

Cost of seedlings for 2023-24 7.15 per seedling

Add 10 % escalation for 2024-25 0.71

Cost of seedlings for 2024-25 7.86 per seedling

Add 10 % escalation for 2025-26 0.79

Cost of seedlings for 2026-27 8.65 per seedling

Add 10 % escalation for 2026-27 0.87

Cost of seedlings for 2026-27 9.52 per seedling

Add 10 % escalation for 2027-28 0.95

Cost of seedlings for 2027-28 10.47 per seedling

Add 10 % escalation for 2028-29 1.05

Cost of seedlings for 2028-29 11.51 per seedling

Add 10 % escalation for 2029-30 1.151

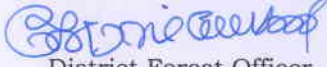
Cost of seedlings for 2029-30 12.67 per seedling

Add 10 % escalation for 2030-31 1.27

Cost of seedlings for 2030-31 13.93 per seedling

Add 10 % escalation for 2031-32 1.39

Cost of seedlings for 2031-32 15.33 per seedling


 District Forest Officer,
 Tiruvallur Division,
 Tiruvallur.

Model Estimate for 8th Year Maintenance

Size of Polybags :30x45cm

Raising Targat 1000 Nos


Replacement of Casualties : 10% 100 Nos

Wages Rate Rs. 488.25

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1000	Nos	Scraping for 1 m dia and soil working 15 cm depth around each plants and removing the grass roots away from the site of upturning the soil	5.24	1.23	600.55	100 Nos	6006
2	LS		Contingencies for application of pesticides etc. and unforeseen items if any					494
TOTAL								6500

Rate calculated for 2022-23 for
1000 nos for Rs **6500**

Cost of seedlings for 2022-23	6.50	pr seedling
Add 10 % escalation for 2023-24	0.65	
Cost of seedlings for 2023-24	7.15	pr seedling
Add 10 % escalation for 2024-25	0.72	
Cost of seedlings for 2024-25	7.87	pr seedling
Add 10 % escalation for 2025-26	0.79	
Cost of seedlings for 2025-26	8.65	pr seedling
Add 10 % escalation for 2026-27	0.87	
Cost of seedlings for 2026-27	9.52	pr seedling
Add 10 % escalation for 2027-28	0.95	
Cost of seedlings for 2027-28	10.47	pr seedling
Add 10 % escalation for 2028-29	1.05	
Cost of seedlings for 2028-29	11.52	pr seedling
Add 10 % escalation for 2029-30	1.15	
Cost of seedlings for 2029-30	12.67	pr seedling
Add 10 % escalation for 2030-31	1.27	
Cost of seedlings for 2030-31	13.93	pr seedling
Add 10 % escalation for 2031-32	1.39	
Cost of seedlings for 2031-32	15.33	pr seedling
Add 10 % escalation for 2032-33	1.53	
Cost of seedlings for 2032-33	16.86	pr seedling


 District Forest Officer,
 Tiruvallur Division,
 Tiruvallur.

Model Estimate for 9th Year Maintenance

Size of Polybags :30x45cm

Raising Targat 1000 Nos

Replacement of Casulaties : 10% 100 Nos

Wages Rate Rs. 488.25

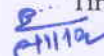
Sl. No	Qty	Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1000 Nos	Scraping for 1 m dia and soil working 15 cm depth around each plants and removing the grass roots away from the site of upturning the soil	5.24	1.23	600.55	100 Nos	6006
2	LS	Contingencies for application of pesticides etc. and unforeseen items if any					494
TOTAL							6500

Rate calculated for 2022-23 for 1000 nos for Rs **6500**

Cost of seedlings for 2022-23	6.50	per seedling
Add 10 % escalation for 2023-24	0.65	
Cost of seedlings for 2023-24	7.15	per seedling
Add 10 % escalation for 2024-25	0.71	
Cost of seedlings for 2024-25	7.86	per seedling
Add 10 % escalation for 2025-26	0.79	
Cost of seedlings for 2025-26	8.65	per seedling
Add 10 % escalation for 2026-27	0.87	
Cost of seedlings for 2026-27	9.52	per seedling
Add 10 % escalation for 2027-28	0.95	
Cost of seedlings for 2027-28	10.47	per seedling
Add 10 % escalation for 2028-29	1.05	
Cost of seedlings for 2028-29	11.51	per seedling
Add 10 % escalation for 2029-30	1.15	
Cost of seedlings for 2029-30	12.67	per seedling
Add 10 % escalation for 2030-31	1.27	
Cost of seedlings for 2030-31	13.93	per seedling
Add 10 % escalation for 2031-32	1.39	
Cost of seedlings for 2031-32	15.33	per seedling
Add 10 % escalation for 2032-33	1.53	
Cost of seedlings for 2032-33	16.86	per seedling
Add 10 % escalation for 2033-34	1.69	
Cost of seedlings for 2033-34	18.54	per seedling



District Forest Officer,
Tiruvallur Division,
Tiruvallur



Model Estimate for 10th Year Maintenance

Size of Polybags :30x45cm

Raising Target 1000 Nos

Replacement of Casualties : 10% 100 Nos

Wages Rate Rs. 488.25

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1000	Nos	Scraping for 1 m dia and soil working 15 cm depth around each plants and removing the grass roots away from the site of upturning the soil	5.24	1.23	600.55	100 Nos	6006
2	LS		Contingencies for application of pesticides etc. and unforeseen items if any					494
TOTAL								6500

Rate calculated for 2022-23 for
1000 nos for Rs

6500

Cost of seedlings for 2022-23

6.50 per seedling

Add 10 % escalation for 2023-24

0.65

Cost of seedlings for 2023-24

7.15 per seedling

Add 10 % escalation for 2024-25

0.71

Cost of seedlings for 2024-25

7.86 per seedling

Add 10 % escalation for 2025-26

0.79

Cost of seedlings for 2025-26

8.65 per seedling

Add 10 % escalation for 2026-27

0.87

Cost of seedlings for 2026-27

9.52 per seedling

Add 10 % escalation for 2027-28

0.95

Cost of seedlings for 2027-28

10.47 per seedling

Add 10 % escalation for 2028-29

1.05

Cost of seedlings for 2028-29

11.51 per seedling

Add 10 % escalation for 2029-30

1.15

Cost of seedlings for 2029-30

12.67 per seedling

Add 10 % escalation for 2030-31

1.27

Cost of seedlings for 2030-31

13.93 per seedling

Add 10 % escalation for 2031-32

1.39

Cost of seedlings for 2031-32

15.33 per seedling

Add 10 % escalation for 2032-33

1.53

Cost of seedlings for 2032-33

16.86 per seedling

Add 10 % escalation for 2033-34

1.69

Cost of seedlings for 2033-34

18.54 per seedling

Add 10 % escalation for 2034-35

1.85

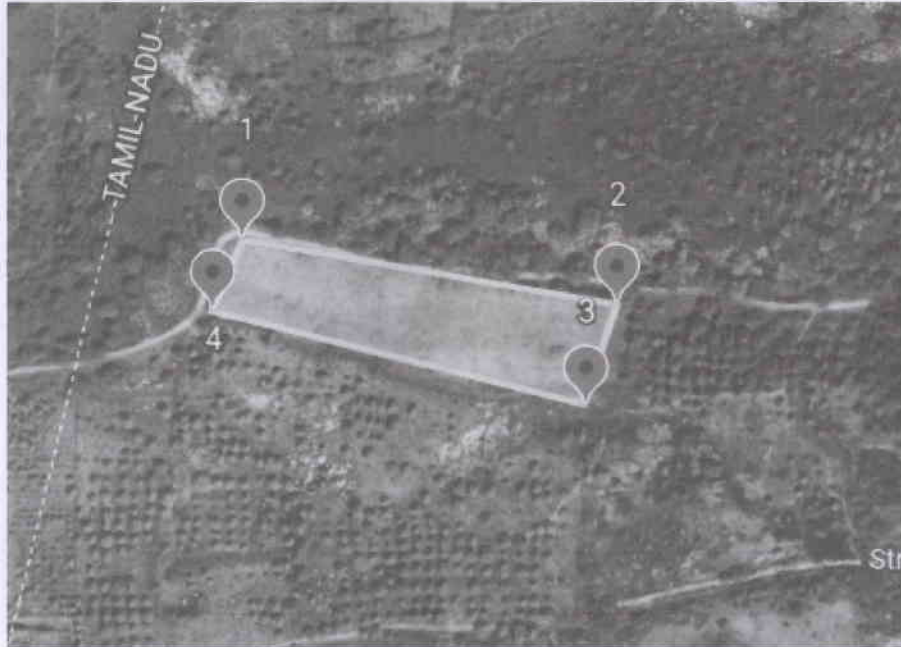
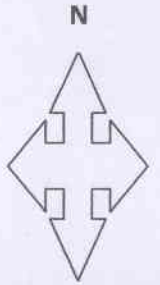
Cost of seedlings for 2034-35

20.40 per seedling


 District Forest Officer,
 Tiruvallur Division,
 Tiruvallur.

**GPS SURVEYED MAP OF COMPENSATORY AFFORESTATION PLANTATION OF
KODIVALASA RF (UDHIAVEL MURUGAN TEMPLE ROAD) AT PALLIPATTU RANGE,
THIRUVALLUR DIVISION**

AREA - 0.60 Ha. Distance - 399 Mtr.



1. N13.248027 E79.427043

2. N13.247787 E79.428466

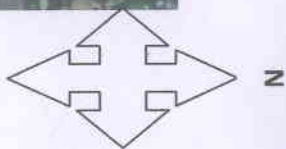
3. N13.247499 E79.428477

4. N13.247753 E79.426964


**FOREST RANGE OFFICER
PALLIPATTU RANGE
PALLIPATTU**

**KML MAP OF COMPENSATORY AFFORESTATION PLANTATION OF KODIVALASA RF (UDHIAVEL MURUGAN TEMPLE ROAD) AT
PALLIPATTU RANGE, THIRUVALLUR DIVISION**

AREA - 0.60 Ha. Distance - 399 Mtr.



4.5
FOREST RANGE OFFICER
PALLIPATTU RANGE
PALLIPATTU