

TAMIL NADU FOREST DEPARTMENT

From

Thiru. S.Gurusamy I.F.S.,
District Forest Officer,
Cuddalore Forest Division,
Old Collector Office, 1st Floor,
Manjakuppam, Cuddalore.

To

The Principal Chief Conservator
of Forests, (Head of Forest Force),
Chennai.
(Through the Conservator of
Forests, Villupuram).

C.No.5833/2021/D, Dated :16.08.2023.

Sir,

Sub : Forest (Conservation) Act, 1980 – Proposal for diversion of 0.90 ha of forest land in Semakottai RF for widening of road from Single lane to Double lane and improvement of Vridhachalam to Kattukudalore road from km 10/6 to 11/6 in Cuddalore District – Proposal forwarded – Regarding.

Ref : The Principal Chief Conservator of Forests, (Head of Forest Force),
Chennai Ref.No.TS3/231/2022 Dt:06.07.2022

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I submit that the details called by the Principal Chief Conservator of Forests, Chennai in the reference cited is as below

Sl. No	Quires raised by Principal Chief Conservator of Forests(Head of Forest Force), Chennai.	Reply
1	In the site inspection and recommendation of the proposal the District Forest Officer, Cuddalore Division has reported that right of way admitted as per the Seemakottai Extension RF notification. However right of way details of name of the road, length and width allowed have not been reported and the name of the Reserved Forest differing.	1.Name of the RF - Seemakottai. (Gazettee Notification enclosed) 2.Name of the Road - As per Notification Item No.6 Cart Track Palaiyapattinam to Kotteri and Periyakappankulam 3. Length of the Road - 1.00 K.M. 4.Width of the Road - 3.75 Meter
2	As per the guidelines issued under Para 2.5 of Chapter 2 of Compensatory afforestation in the hand book of Forest Conservation Act 1980 issued by the Government of India during March 2019. CA shall be raised and maintained at the cost of user agency on degraded forest land twice in extent of the forest area diverted in the cases of construction of link roads.	Less than 1 Ha., Hence, does not arise CA Land. Raising & Maintenance of 100 Seedlings in degraded forest land is proposed.

Yours Faithfully,
Sd./ S.Gurusamy,
District Forest Officer,
Cuddalore Forest Division,
Cuddalore.

Copy submitted to the Conservator of Forests, Villupuram Circle, Villupuram.

t.c.b.o.


Sd./
Superintendent.
08/08/23
08/08/23

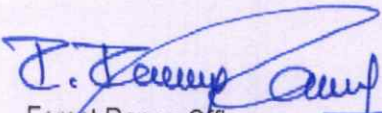
Work schedule

Raising nursery and Planting for native tree species with 10 yr maintenance for
Compensatory afforestation of 100 plants in degraded forest area in Vridhachalam
Range of Cuddalore division during 2023-2024 under CAMPA scheme

Name of the Project : Proposal for

Sl. No.	Description of Work	Period of work
1	2	6
1	Raising nursery - 110 Nos	January 2023 to September 2024
2	Planting operation including brush wood fencing	April 2024 to March 2025
3	1st year Maintenance	September 2025 to March 2026
4	2nd year Maintenance	September 2026 to March 2027
5	3rd year Maintenance	September 2027 to March 2028
6	4 th year Maintenance	September 2028 to March 2029
7	5 th year Maintenance	September 2029 to March 2030
8	6 th year Maintenance	September 2030 to March 2031
9	7 th year Maintenance	September 2031 to March 2032
10	8 th year Maintenance	September 2032 to March 2033
11	9 th year Maintenance	September 2033 to March 2034
12	10 th year Maintenance	September 2034 to March 2035


District Forest Officer,
Cuddalore Division,
Cuddalore.


Forest Range Officer
Vridhachalam Range
Vridhachalam

28/07/2023

Abstract Model estimate for Raising Compensatory afforestation of 100 plants in degraded forest area during 2023-24 under State CAMPA scheme

Name of the Project : Proposal for diversion of 0.90 ha of Forest land in for widening of road from single lane to double lane and improvements of Vridhachalam - Kattukudalore Road across Semakottai RF vide Proposal No. FP/TN/ROAD/150630/2021

No. of seedlings : 100 Nos.
 For 10% casuality replacement : 10 Nos.
TOTAL 110 Nos

Sl. No.	Description of Work	Proposed estimate cost in Rupees	Remarks
1	2	3	4
1	Raising nursery - 110 Nos	20000	labour wages rate approved during 2023-24
2	Planting operation - 100seedlings	60000	10% Weightage towards escalation of labour wage rate during 2024-25
3	1 st year Maintenance	29000	20% Weightage towards escalation of labour wage rate during 2025-26
4	2 nd year Maintenance	24001	30% Weightage towards escalation of labour wage rate during 2026-27
3	3 rd year Maintenance	26001	40% Weightage towards escalation of labour wage rate during 2027-28
6	4 th year Maintenance	1500	50% Weightage towards escalation of labour wage rate during 2028-29
7	5 th year Maintenance	1650	60% Weightage towards escalation of labour wage rate during 2029-30
8	6 th year Maintenance	1815	70% Weightage towards escalation of labour wage rate during 2030-31
9	7 th year Maintenance	1997	80% Weightage towards escalation of labour wage rate during 2031-32
10	8 th year Maintenance	2196	90% Weightage towards escalation of labour wage rate during 2032-33
11	9 th year Maintenance	2416	100% Weightage towards escalation of labour wage rate during 2033-34
12	10 th year Maintenance	2657	110% Weightage towards escalation of labour wage rate during 2034-35
TOTAL		173231	

District Forest Officer,
 Cuddalore Division,
 Cuddalore

Forest Range Officer
 Vridhachalam Range
 Vridhachalam

28/07/2023

Model estimate for Raising nursery for native tree species for Compensatory afforestation of 100 plants in degraded forest area during 2023-2024 under State CAMPA scheme

Name of the Project : Proposal for diversion of 0.90 ha of Forest land in for widening of road from single lane to double lane and improvements of Vridhachalam - Kattukudalore Road across Semakottai RF vide Proposal No. FP/TN/ROAD/150630/2021

Total Area = Gap planting 0.10 ha

Size of Polybags = 13 x 25 x 250g

Seedlings = 100 Nos

Transplanting Size of Polybags = 30 x 45 x 600g

No of Seedlings = 100

Proposed Espacement = Gap planting

10% Casualty = 10

Species proposed for planting

Total = 110

Native species like sisu,

Wage rate 2023-2024 = Rs. 612.45

(Grade-I/Class A areas - Chennai, Villupuram Districts)

SL. No	Qty	Unit	Name of Work	FSR / SSR	FSL	Rate	Per	Amount
PART I - Small size bags.- 13X25 cm.								
1	12	M ²	Preparation of Nursery site by clearing and levelling the site for forming standard bed of size 10mX1m (110M2/1000 Nos)	4.1	2.42	1482.13	200 No	89
2	0.22	Kg	Cost of seeds (2kgs/ 1000 Nos)	LR	--	250.00	1 No	55
3	110	Nos.	Cost of 13x25cmx250G poly bags	Tender rate	--	944.00	1000 No	104
4	3.00	Cum	Forming germination beds of size 10mx1mx 0.3m by heaping the soil - 2500 No per bed	PWD SSR item 62	--	73.10	1 cum	219
5	1.00	Bed	Watering the germination beds twice daily with rose cans for 15 days	4.5.1	0.82	502.21	10 Bed s / day	753
6	1.00	Bed	Watering the germination beds once daily with rose cans for 15 days	4.5.2	0.41	251.10	10 Bed s / day	377

SL. No	Qty	Unit	Name of Work	FSR / SSR	FSL	Rate	Per		Amount
17	110	Nos.	Shifting the container plants, weeding, grading and replacement of casualties in the bags (-shifting to done once in 21 days, first shifting not before 45 days after pricking out) 2 shifts	4.15.4	0.51	312.35	1000	Shift	69
SUB - TOTAL (A)									2754
PART II - Bigger size bags: 30x45cmx600g.									
18	110	Nos.	Cost of 30 X 45cm poly bags	Tender rate	--	9263.00	1000	No	1019
19	1.02	M3	Collection & supply of sand,silt and red soil according to the requirement for preparation of soil mixture - 4/5th of the total volume (excluding the volume of earth in 13X25cm containers). (@ 9.23 Cu.m/1000 Nos)	LR	-	750.00	1	M3	765
20	0.25	M3	Cost and transport of Farm yard manure for filling bags - 1/5th of the total volume. (@ 2.31 Cu.m/1000 Nos)		-	750.00	1	M3	188
21	110	Nos.	Preparation of soil mixture by breaking clods,seiving, mixing red soil,silt, and sand according to requirement and farm yard manure in the ratio of 4:1, heaping at the fillingsite and filling in poly bags, arranging bags in beds and pricking out the seedings (excluding cost of soil mixture and FYM)	4.6.7	28.57	17497.70	1000	Nos	1925
22	4	Kgs.	Cost of Vermicasting @ 35 gram per seedlings	As per Research Wing Rate	-	10.00	1	Kg	40
23	2	Kgs.	Cost of VAM @ 15 gram per seedlings		-	18.00	1	Kg	36
24	1	Kg	Cost of Azospirillum @ 6 gram per seedlings	As per Research Wing Rate	-	27.00	1	Kg	27
25	1	Kg	Cost of Phosphobacteria @ 6 gram per seedling		-	27.00	1	Kg	27
26	1	Mazdoors	Labour cost for transplanting seedlings from 13 X 25 cm containers bags in to 30 X 45 cm containers - 10 Maz. / 1000	As per ME of MTP	--	612.45	1	Nos	612

SL. No	Qty	Unit	Name of Work	FSR / SSR	FSL	Rate	Per	Amount
37	5	Months	Provision for cost of pesticides and fungasides and Labour charges for application of pesticides - 2 times / month	L.R	-	200	1 times	1000
39	L.S		Photo & Documentation etc.,			L.S		500
39	L.S		Contingencies unforeseen items			L.S		935
SUB - TOTAL (B)								17245
TOTAL (A + B)								20000
TOTAL (A + B)								20000

Raising cost for 836 seedlings = 20000

cost for 1 seedlings = Rs 200.00

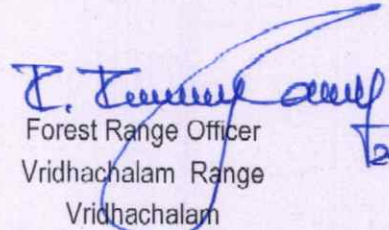
Specifications :

1) 1) No. of seedlings has been proposed for planting based on the Government of India Letter F.No.11-118/2021-FC dated 13.06.20237, compensatory afforestation has to be carried out minimum no. of plants - 100 seedlings .(Tree felling involved is 3 Nos)

2) Bio-fertilizers may be applied as per norms prescribed by Research wing.

3) The estimate has been prepared based on model estimate, FSR, PWD SSR for the year 2023-24 and the local rate as per model estimate and Research Wing rate.


District Forest Officer,
Cuddalore Division,
Cuddalore


Forest Range Officer
Vridhachalam Range
Vridhachalam
28/07/2023

Model estimate for Raising nursery for native tree species for Compensatory afforestation of 100 plants in degraded forest area during 2023-2024 under State CAMPA scheme

Name of the Project : Proposal for diversion of 0.90 ha of Forest land in for widening of road from single lane to double lane and improvements of Vridhachalam - Kattukudalore Road across Semakottai RF vide Proposal No. FP/TN/ROAD/150630/2021

No of seedlings = 100
10% Casualty = 10
Total = 110

Size of Polybags = 30 x 45 x 600g
Wage rate = Rs. 612.45
2023-2024

Sl. No	Qty	Description of work	F.S.R. No.	FSL (Man days)	Rate Rs.	Per		Amount
1	100 Nos	Aligning and Marking in plantation area	5.2.4	1.38	845.18	100	Nos	845
2	100 Nos	Digging of 60 CM3 pits in all types of soil during non rainy season	5.8.1	9.26	5671.29	100	Nos	5671
3	200 No.	Cost & transport of Farmyard manure each plants 0.60x0.60x0.20=0.072m3/pit	Lowest quotation	-	750.00	1	M3	5400
	7 M3							
4	100 Nos	Application of Farm yard manure by mixing in the pit before planting - 1 mazdoor for 200 Nos	FSL Wage rate	1.00	612.45	200	No	306
5	100 Nos	Cost of Bio fertilizer including cost of application - Vermicompost - 1 Kg, Bio Fertilizers - 100 gms, VAM- 100 gms	NHAI ME	-	7.70	1	No	770
6	110 Nos	Transporting saplings (transported to the radius of 40 kms) excluding loading and unloading by Private Vehicle	NHAI ME	-	7.00	1	No	770
7	110 Nos	Loading & unloading the container seedlings (30x45cm) in private lorry upto a lead of 2kms excluding hire charges for the vehicles.)	5.11.7	3.29	2014.96	1000	Nos	222
8		Distribution of saplings from where seedlings are stocked to the planting spot in plains upto 500 mts						
a	44 Nos	Upto 100 mts	5.15.1	10.00	6124.50	1000	Nos	269
b	44 Nos	Upto 200 mts	5.15.2	17.50	10717.88	1000	Nos	472
c	22 Nos	Upto 500 mts	5.15.3	41.00	25110.45	1000	Nos	552
9	100 Nos	Planting the container plants by refilling pits of size 60cm.	5.22	1.71	1047.29	100	Nos	1047
10	250 RM	Provision of vertical casurina poles 5cm to 8cm 2.50mtr ht. per plant	PWD SSR		17.50	-1	RM	4375

Model estimate for 1st year maintenance for Compensatory afforestation of 100 plants in degraded forest area during 2023-2024 under State CAMPA scheme

Name of the Project : Proposal for diversion of 0.90 ha of Forest land in for widening of road from single lane to double lane and improvements of Vridhachalam - Kattukudalore Road across Semakottai RF vide Proposal No. FP/TN/ROAD/150630/2021

No of seedlings planted 100

No of Seedlings for casulty replacement 10
=

(10% replacement)

Size of Polybags = 30 x 45 x 600g

Wage rate = Rs. 612.45

Sl. No	Qty		Description of work	F.S.R. No.	FSL (Man days)	Rate Rs.	Per		Amount
A. NURSERY OPERATION									
1	10	No	Raising cost of seedlings in 30x45 size polythene bags (As per nursery estimate)	As per nursery estimate	-	200.00	1	No	2002
TOTAL (A)									2002
B. PLANTING OPERATION									
1	10	No	Cost & transport of Farm yard manure each plants 0.60x0.60x0.20=0.072m3/pit	Lowest	-	750.00	1	m3	540
	1	M3							
2	10	Nos.	Application of Farm yard manure by mixing in the pit before planting - 1 mazdoor for 200 Nos	FSL Wages Rate	-	612.45	200	Nos.	31
3	10	Nos.	Transporting saplings (transported in the radius of 40 Kms) excluding loading and unloading in Private vehicle	NHAI ME	--	7.00	1	No.	70
4	10	Nos	Loading & unloading the container seedlings (30x45cm) in private lorry upto a lead of 2kms (excluding hire charges for the vehicles.)	5.11.7	3.29	2014.96	1000	Nos	20
5			Distribution of seedlings in the site C.plants upto 500mtrs - in plains						
a	4	Nos	Up to 100 m.	5.15.1	10.00	6124.50	1000	Nos	24

Sl. No	Qty	Description of work	F.S.R. No.	FSL (Man days)	Rate Rs.	Per	Amount
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1) The estimate has been prepared based on NHA/MTP model estimate, FSR, PWD SSR for the year 2023-24 and the local rate as per model estimate and research wing rate.

20/6/23
 District Forest Officer,
 Cuddalore Division,
 Cuddalore

P. Jeyaraj
 Forest Range Officer
 Vridhachalam Range
 Vridhachalam
20/6/2023

MModel estimate for II nd year maintenance for Compensatory afforestation of 100 plants in degraded forest area during 2023-2024 under State CAMPA scheme

Name of the Project : Proposal for diversion of 0.90 ha of Forest land in for widening of road from single lane to double lane and improvements of Vridhachalam - Kattukudalore Road across Semakottai RF vide Proposal No. FP/TN/ROAD/150630/2021

No of Seedlings = 100

Survival 100% = 100

Wage rate = Rs. 612.45

2023-2024

Sl. No	Qty	Description of work	F.S.R. No.	FSL (Man days)	Rate Rs.	Per	Amount
1	100 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	753.31	100 Nos	753
2	100 Kgs	Cost of Bio Fertilizers including cost of application Vermi-campose 1 kg,Bio fertilizer 100 gms VAM 100 Gms	NHAI ME	-	7.70	1 Kg	770
3	60000 Ltrs	Cost of water @ 20 liter per seedlings 30 watering days (100x20x30=60000 Ltrs)	NHAI ME	-	1200.00	12000 Lts	6000
4	100 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		612.45	200 Shift	9187
5	0.0200 No	Engaging protection Mazdoor @ 1 Mazdoor (3 months) (25 days/ Month)	FSR wage rate	-	612.45	1 No	919

Model estimate for III rd year maintenance for Compensatory afforestation of 100 plants in degraded forest area during 2023-2024 under State CAMPA scheme

Name of the Project : Proposal for diversion of 0.90 ha of Forest land in for widening of road from single lane to double lane and improvements of Vridhachalam - Kattukudalore Road across Semakottal RF vide Proposal No. FP/TN/ROAD/150630/2021

No of Seedlings = 100


Survival 100% = 100

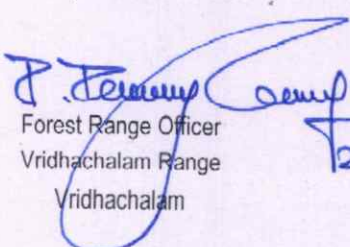
Wage rate = Rs. 612.45
2023-2024

Sl. No	Qty	Description of work	F.S.R. No.	FSL (Man days)	Rate Rs.	Per	Amount
1	100 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	753.31	100 Nos	753
2	100 Kgs	Cost of Bio Fertilizers including cost of application Vermi-campose 1 kg, Bio fertilizer 100 gms VAM 100 Gms	NHAI ME	-	7.70	1 Kg	770
3	60000 Ltrs	Cost of water @ 20 liter per seedlings 30 waterig days (400x20x30=240000 Lts)	NHAI ME	-	1200.00	12000 Lts	6000
4	100 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	612.45	200 Shift	9187
5	0.02 No	Engaging protection Mazdoor @ 1 Mazdoor (3 months) (25 days/ Month)	FSR wage rate	-	612.45	1 No	919
6	LS	Contingencies and unforeseen expenditure to be restricted to as per actuals.			LS		943
Total prorata							18572
Add 40% of escalation							7429
Total prorata 3rd year maintenance							26001

Specifications :

The estimate has been prepared based on MTP model estimate, FSR, PWD SSR for the year 2023-24 and the local rate as per model estimate and Research Wing rate.


District Forest Officer,
Cuddalore Division,
Cuddalore


Forest Range Officer
Vridhachalam Range
Vridhachalam

28/07/2023

Model estimate for IV th year maintenance for Compensatory afforestation of 100 plants in degraded forest area from 2023-2024 under State CAMPA scheme

Name of the Project : Proposal for diversion of 0.90 ha of Forest land in for widening of road from single lane to double lane and improvements of Vridhachalam - Kattukudalore Road across Semakottai RF vide Proposal No. FP/TN/ROAD/150630/2021

No of Seedlings = 100

Survival 100% = 100

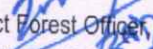
Wage rate = Rs. 612.45

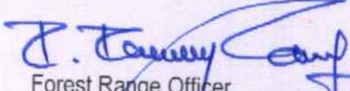
2023-2024

Sl. No	Qty	Description of work	F.S.R. No.	FSL (Man days)	Rate Rs.	Per	Amount
1	100 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	753.31	100 Nos	753
2	LS	Contingencies and unforeseen expenditure to be restricted to as per actuals.			LS		247
Total prorata							1000
Add 50% of escalation							500
Total prorata 4th year maintenance							1500
Add 10% of escalation for 5th year							150
Total prorata for 5th year maintenance							1650
Add 10% of escalation for 6th year							165
Total prorata for 6th year maintenance							1815
Add 10% of escalation for 7th year							182
Total prorata for 7th year maintenance							1997
Add 10% of escalation for 8th year							200
Total prorata for 8th year maintenance							2196
Add 10% of escalation for 9th year							220
Total prorata for 9th year maintenance							2416
Add 10% of escalation for 10th year							242
Total prorata for 10th year maintenance							2657

Specifications :

The estimate has been prepared based on MTP model estimate, FSR, PWD SSR for the year 2023-24 and the local rate as per model estimate and Research Wing rate.


 District Forest Officer,
 Cuddalore Division,
 Cuddalore


 Forest Range Officer
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28/6/2023