


Work schedule

Raising nursery for native tree species with 10 yr maintenance for Compensatory afforestation of 100 plants in degraded forest area in Kallakuruchi Range of Villupuram division during 2022-2023 under CAMPA scheme

Sl. No.	Description of Work	Period of work
1	2	6
1	Raising nursery - 110 Nos	June 2022 to February 2023
2	Planting operation including brush wood fencing around each plants	March 2023 to August 2023
3	1st year Maintenance	September 2023 to March 2024
4	2nd year Maintenance	September 2024 to March 2025
5	3rd year Maintenance	September 2025 to March 2026
6	4 <sup>th</sup> year Maintenance	September 2026 to March 2026
7	5 <sup>th</sup> year Maintenance	September 2027 to March 2027
8	6 <sup>th</sup> year Maintenance	September 2028 to March 2028
9	7 <sup>th</sup> year Maintenance	September 2029 to March 2029
10	8 <sup>th</sup> year Maintenance	September 2030 to March 2030
11	9 <sup>th</sup> year Maintenance	September 2031 to March 2031
12	10 <sup>th</sup> year Maintenance	September 2032 to March 2032

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**DISTRICT FOREST OFFICER  
VILLUPURAM.**

  
Forest Range Officer,  
Kallakuruchi Range,  
Kallakuruchi.


**Abstract Model estimate for Raising Compensatory afforestation of 100 plants in degraded forest area during 2022-2023 under State CAMPA scheme**

No. of seedlings : 100 Nos.  
 For 10% casualty 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	55528	1000 Nos of seedlings per ha has been proposed
2	Planting operation - 100 seedlings	544035	10% Weightage towards escalation of labour wage rate during 2023-24
3	1 <sup>st</sup> year Maintenance	28579	20% Weightage towards escalation of labour wage rate during 2024-25
4	2 <sup>nd</sup> year Maintenance	20631	30% Weightage towards escalation of labour wage rate during 2025-26
3	3 <sup>rd</sup> year Maintenance	22218	40% Weightage towards escalation of labour wage rate during 2026-27
6	4 <sup>th</sup> year Maintenance	1586	50% Weightage towards escalation of labour wage rate during 2027-28
7	5 <sup>th</sup> year Maintenance	1744	60% Weightage towards escalation of labour wage rate during 2028-29
8	6 <sup>th</sup> year Maintenance	1918	70% Weightage towards escalation of labour wage rate during 2029-30
9	7 <sup>th</sup> year Maintenance	2110	80% Weightage towards escalation of labour wage rate during 2030-31
10	8 <sup>th</sup> year Maintenance	2321	90% Weightage towards escalation of labour wage rate during 2031-32
11	9 <sup>th</sup> year Maintenance	2553	100% Weightage towards escalation of labour wage rate during 2032-33
12	10 <sup>th</sup> year Maintenance	2809	110% Weightage towards escalation of labour wage rate during 2033-34
<b>TOTAL</b>		<b>686033</b>	

Prorata for 1 ha area 137206.55 (OR) Rs. 13.77 Lakhs

7/36  
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 District Forest Officer,  
 Villupuram Division,  
 Villupuram.

  
 Forest Range Officer,  
 Kallakuruchi.

**forestation of 100 plants in scheme**

bags = 13 x 25 x 250g

Size of Polybags = 30 x 45 x

placement = Gap planting

**proposed for planting**

species like Vembu, Velvel,  
l, Vengai, Red Sanders,

2022-2023 = Rs. 475.75

areas - Chennai, Tiruvallur,  
ilgiris, Tirunelveli Districts)

Rate	Per		Amount
0.32	200	No	69
0.00	1	No	55
0.00	1000	No	3300
10	1	cum	0
12	10	Beds / day	1170
06	10	Beds / day	585
00	1	Cu.m	68
00	1	Cu.m	23
36	1000	Nos	234

SL. No	Qty	Unit	Name of Work	FSR / SSR	FSL	Rate	Per		Amount
10	3	Kgs.	Cost of Vermicasting @ 25 gram per seedlings	As per Research Wing Rate	-	10.00	1	Kg	30
11	1	Kgs.	Cost of VAM @ 10 gram per seedlings		-	18.00	1	Kg	18
12	1	Kg	Cost of Azospirillum @ 5 gram per seedlings	As per Research Wing Rate	-	27.00	1	Kg	27
13	1	Kg	Cost of Phosphobacteria @ 5 gram per seedling		-	27.00	1	Kg	27
14			Watering the container plants with rose cans -						
a	110	Nos.	Twice daily - 15 days	4.10.4	0.23	109.42	1000	Day	181
b	110	Nos.	Once daily - 30 days	4.11.4	0.115	54.71			181
c	110	Nos.	Alternate days spread over 30 days (Effective days-15)		0.115	54.71			90
15	110	Nos.	cost of water for watering the container seedlings - 60 watering days	4.18 - FSR 1998-99		0.85	1000	day	4
16	110	Nos.	Land rent @ 3000 bags/40 sq.m) - 3 Months	4.17	LR	86.00	40	sq.m/month	473
	73.33	M2/3 months							
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	242.63	1000	Shift	53
<b>SUB - TOTAL (A)</b>									<b>6588</b>
<b>PART II - Bigger size bags: 30x45cmx600g.</b>									
18	110	Nos.	Cost of 30 X 45cm jute bags	Tender rate	-	89680.00	1000	No	9865
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

SL. No	Qty	Unit	Name of Work	FSR / SSR	FSL	Rate	Per		Amount
21	110	Nos.	Preparation of soil mixture by breaking clods, sieving, 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 seedlings (excluding cost of soil mixture and FYM)	4.6.7	28.57	13592.18	1000	Nos	1495
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	--	475.75	1	Nos	476
27	110	Nos.	Cost of vertical strick (Casurina poles 5 cm -8 cm girth and 2.50 m height for each plants)	PWD SSR	--	17.50	1	Rm	4813
28	55	Nos.	Cost of horzondal strick (Casurina poles 5 cm -8 cm girth and 1.00 m height for each plants)	PWD SSR	--	17.50	1	Rm	963
29	110	Nos.	Tying plants to the vertical stick once in a month - 2 times	ME	--	0.40	1	Each/time	88
30	110	Nos.	Pruning side branches once in 2 months - 2 times		--	1.00			220
31			Watering the container plants with rose cans						
a	110	Nos.	Twice daily - 15 days	4.10.7	0.56	266.42	1000	Day	440
b	110	Nos.	Once daily - 30 days	4.11.7	0.28	133.21	1000	Shift	440
c	110	Nos.	Once in alternate days -spread over 60 days (Effective days-30 days)	4.11.7	0.28	133.21	1000	Shift	440
d	110	Nos.	Twice in a week spread over 105 days (Effective days-30 days)	4.11.7	0.28	133.21	1000	Shift	440
32	110	Nos.	Land rent @ 500 bags/40 sq.m)	4.17	LR	86.00	40	sq.m/month	6622
	440	m <sup>2</sup> /7 months							

SL. No	Qty	Unit	Name of Work	FSR / SSR	FSL	Rate	Per	Amount
33	110	Nos.	Shifting the container plants, weeding, grading and replacement of casualties in the bags - shifting to done once in 21 days- 7 shift	4.15.7	2.69	1279.77	1000 Shift	985
34	110	Nos.	cost of water for watering the container seedlings - 105 watering days	4.18 - FSR 1998-99		1.60	1000 day	18
35	1.00	Nos.	Nursery protection mazdoors 1 No / 100000 Nos of 30 x45cm bags - 300 days. (90d+210d)	As per ME of MTP	1	475.75	1 100000/M	7850
36			GST 18% (Item No.3, 17)					2370
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	3000
39	L.S		Photo & Documentation etc.,			L.S		4000
39	L.S		Contingencies unforeseen items			L.S		3333
<b>SUB - TOTAL (B)</b>								<b>48940</b>
<b>TOTAL (A + B)</b>								<b>55528</b>

Raising cost for 110seedlings = 55528  
cost for 1 seedlings = Rs **504.80** per seedling 504.80

Specifications :

1) No. of seedlings has been proposed for planting based on the Government of India Letter F.No.11-423/2011-FC dated 08.11.2017, compensatory afforestation has to be carried out at 1000 seedlings per ha. Hence 100 nos of seedlings has been proposed for 0.03132ha @ 1000/ha. with 10% of casuality 10 Nos. Totally 110 Nos of seedlings has been proposed.

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

3) The estimate has been prepared based on NHAI/MTP model estimate, FSR, PWD SSR for the year 2022-23 and the local rate as per model estimate and Research Wing rate.

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District Forest Officer  
Villupuram Division  
Villupuram.

  
Forest Range Officer, Kallakurichi

**Model estimate for Raising nursery for native tree species for Compensatory afforestation of 100 plants in degraded forest area during 2022-2023 under State CAMPA scheme**

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

Size of Polybags = 30 x 45 x 600g  
 Wage rate = Rs. 475.75  
 2022-2023

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	656.54	100 Nos	657
2	100 Nos	Digging of 60 CM3 pits in all types of soil during non rainy season	5.8.1	9.26	4405.45	100 Nos	4405
3	5000 No.	Cost & transport of Farmacyard mannure 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	475.75	200 No	238
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	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	1565.22	1000 Nos	172
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	4757.50	1000 Nos	209
b	44 Nos	Upto 200 mts	5.15.2	17.50	8325.63	1000 Nos	366
c	22 Nos	Upto 500 mts	5.15.3	41.00	19505.75	1000 Nos	429
9	100 Nos	Planting the container plants by refilling pits of size 60cm.	5.22	1.71	813.53	100 Nos	814
10	12500 RM	Provision of vertical casurina poles 5cm to 8cm 2.50mtr ht. per plant	PWD SSR		17.50	1 RM	218750
11	10 Nos	Replacement of casualties by reopening failed pits and planting the seedlings (1/2 pitting rate on rainy days + full planting rate)	5.23	6.34	3016.26	100 Nos	302
Sl. No	Qty	Description of work	F.S.R. No.	FSL (Man days)	Rate Rs.	Per	Amount
12	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	585.17	100 Nos	585

13	100	Nos	Forming catch water drains for each plant of 90x45x 30 cm size in hillocks and hard gravelly soil	5.26	6.84	3254.13	100	Nos	3254
14	100	Nos	Providing Brush wood fencing around each plants	-	0.25	118.94	1	No	11894
15	100	Nos	Watering the plants once in 6 days during summer/non-rainy period from January to March @ one mazdoor for 200 plants/watering day (15 watering days)	NHAI ME		475.75	200	Nos	3568
16	1500000	Ltrs	Cost of water @ 20 liter per seedlings 15 waterig days (5000x20x15=1500000 Lts)	NHAI ME		1200.00	12000	Lts	150000
17	1	Nos.	Plantation Protection mazdoors from October to March - 180 m.days	Wage rate	1	475.75	1	M. Days	85635
18	100	Nos	Removing/scrapping vizal monsoon or bothai grass for one meter dia around the plants	5.27	0.21	99.91	100	Nos	100
19	5	Mont hs	Provision for cost of pesticides and fungasides and Labour charges for application of pesticides - 2 times / month	L.R	-	200	1	time s	2000
20	L.S		Photo & Documentation etc.,			LS			2000
21	LS		Contingencies and unforeseen expenditure to be restricted to as per actuals.			LS			2259
<b>TOTAL</b>									<b>494577</b>
Add 10% of escalation									49458
<b>Total prorata</b>									<b>544035</b>

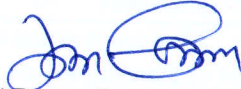
Specifications :

1) No. of seedlings has been proposed for planting based on the Government of India Letter F.No.11-423/2011-FC dated 08.11.2017, compensatory afforestation has to be carried out at 1000 seedlings per ha. Hence 100 nos of seedlings has been proposed for 0.03132 ha @ 1000/ha. with 10% of casuality 10 Nos. Totally 110 Nos of seedlings has been proposed.

2) Rates for the works in SI No. 2 and 8 have been provided for plains. If the area identified for compensatory afforestation is in hilly terrain, the rates for the hills may be followed.

3) The estimate has been prepared based on NHAI/MTP model estimate, FSR, PWD SSR for the year 2022-23 and the local rate as per model estimate and Research Wing rate.

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District Forest Officer  
Villupuram Division  
Villupuram.

  
Forest Range Officer, Kallakurichi



**Model estimate for 1st year maintenance for Compensatory afforestation of 100 plants in degraded forest area during 2022-2023 under State CAMPA scheme**

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. 475.75

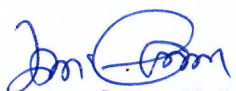
Sl. No	Qty	Description of work	F.S.R. No.	FSL (Man days)	Rate Rs.	Per		Amount
<b>A. NURSERY OPERATION</b>								
1	10 No	Raising cost of seedlings in 30x45 size polythene bags (As per nursery estimate)	As per nursery estimate	-	504.80	1	No	5050
<b>TOTAL (A)</b>								<b>5050</b>
<b>B. PLANTING OPERATION</b>								
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	5 Nos.	Application of Farm yard manure by mixing in the pit before planting - 1 mazdoor for 200 Nos	FSL Wages Rate	-	475.75	200	Nos.	12
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	1565.22	1000	Nos	16
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	4757.50	1000	Nos	19
b	4 Nos	Up to 200 m.	5.15.2	17.50	8325.63	1000	Nos	33
c	2 Nos	Up to 500 m.	5.15.2	41.00	19505.75	1000	Nos	39
6	10 Nos	Replacement of casualties by reopening failed pits and planting the seedlings	5.23	5.57	2649.93	100	Nos	265

Sl. No	Qty	Description of work	F.S.R. No.	FSL (Man days)	Rate Rs.	Per		Amount
7	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	585.17	100	Nos	585
8	100 Nos	Cost of Bio Fertilizers including cost of application Vermi-campose 1 kg,Bio fertilizer 100 gms VAM 100 Gms	NHAI ME	-	7.70	1	No.	770
9	60000 Ltrs	Cost of water @ 20 liter per seedlings 30 watering days (100x20x30=60000 Lts)	NHAI ME	-	1200.00	12000	Lts	6000
10	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	475.75	200	Shift	7136
11	0.02 No	Engaging protection Mazdoor @ 1 Mazdoor from April to March - 12 months (25 days/ Month)	FSR wage rate	-	475.75	1	No	2855
12	LS	Contingencies and unforeseen expenditure to be restricted to as per actuals.	LS					426
<b>TOTAL (B)</b>								<b>18766</b>
<b>TOTAL (A+B) prorata for 1st year maitenance</b>								<b>23816</b>
Add 20% of escalation for 2nd year								4763
<b>Total prorata</b>								<b>28579</b>

Specifications :

- 1) The estimate has been prepared based on NHAI/MTP model estimate, FSR, PWD SSR for the year 2022-23 and the local rate as per model estimate and research wing rate.
- 2) The rate for the work in SI No. 5 has been provided for plains. If the area identified for compensatory afforestation is in hilly terrain, the rates for hills may be adopted.

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 District Forest Officer  
 Villupuram Division  
 Villupuram.

  
 Forest Range Officer, Kallakurichi

**Model estimate for 1st year maintenance for Compensatory afforestation of 100 plants in degraded forest area during 2022-2023 under State CAMPA scheme**

No of seedlings planted 100

No of Seedlings for casulty replacement 10

= (10% replacement)

Size of Polybags = 30 x 45 x 600g

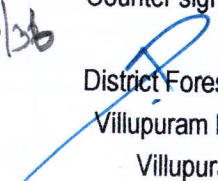
Wage rate = Rs. 475.75

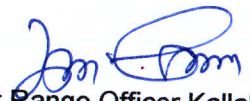
Sl. No	Qty		Description of work	F.S.R. No.	FSL (Man days)	Rate Rs.	Per		Amount
<b>A. NURSERY OPERATION</b>									
1	10	No	Raising cost of seedlings in 30x45 size polythene bags (As per nursery estimate)	As per nursery estimate	-	504.80	1	No	5050
<b>TOTAL (A)</b>									<b>5050</b>
<b>B. PLANTING OPERATION</b>									
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	5	Nos.	Application of Farm yard manure by mixing in the pit before planting - 1 mazdoor for 200 Nos	FSL Wages Rate	-	475.75	200	Nos.	12
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	1565.22	1000	Nos	16
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	4757.50	1000	Nos	19
b	4	Nos	Up to 200 m.	5.15.2	17.50	8325.63	1000	Nos	33
c	2	Nos	Up to 500 m.	5.15.2	41.00	19505.75	1000	Nos	39
6	10	Nos	Replacement of casualties by reopening failed pits and planting the seedlings	5.23	5.57	2649.93	100	Nos	265

Sl. No	Qty		Description of work	F.S.R. No.	FSL (Man days)	Rate Rs.	Per		Amount
7	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	585.17	100	Nos	585
8	100	Nos	Cost of Bio Fertilizers including cost of application Vermi-campose 1 kg, Bio fertilizer 100 gms VAM 100 Gms	NHAI ME	-	7.70	1	No.	770
9	60000	Ltrs	Cost of water @ 20 liter per seedlings 30 watering days (100x20x30=60000 Lts)	NHAI ME	-	1200.00	12000	Lts	6000
10	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	475.75	200	Shift	7136
11	0.02	No	Engaging protection Mazdoor @ 1 Mazdoor from April to March - 12 months (25 days/ Month)	FSR wage rate	-	475.75	1	No	2855
12	LS		Contingencies and unforeseen expenditure to be restricted to as per actuals.	LS					426
<b>TOTAL (B)</b>									<b>18766</b>
<b>TOTAL (A+B) prorata for 1st year maitenance</b>									<b>23816</b>
Add 20% of escalation for 2nd year									4763
<b>Total prorata</b>									<b>28579</b>

Specifications :

- 1) The estimate has been prepared based on NHAI/MTP model estimate, FSR, PWD SSR for the year 2022-23 and the local rate as per model estimate and research wing rate.
- 2) The rate for the work in SI No. 5 has been provided for plains. If the area identified for compensatory afforestation is in hilly terrain, the rates for hills may be adopted.

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 District Forest Officer  
 Villupuram Division  
 Villupuram.

  
 Forest Range Officer, Kallakurichi

**Model estimate for 2nd year maintenance for Compensatory afforestation of 100 plants in degraded forest area during 2022-2023 under State CAMPA scheme**

No of Seedlings = 100

Survival 100% = 100

Wage rate = Rs. 475.75

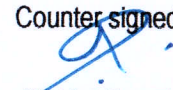
2022-2023


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	585.17	100 Nos	585
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		475.75	200 Shift	7136
5	0.02 No	Engaging protection Mazdoor @ 1 Mazdoor (3 months) (25 days/ Month)	FSR wage rate	-	475.75	1 No	714
6	LS	Contingencies and unforeseen expenditure to be restricted to as per actuals.			LS		665
<b>Total prorata</b>							<b>15870</b>
Add 30% of escalation							4761
<b>Total prorata 2nd year maintenance</b>							<b>20631</b>

Specifications :

The estimate has been prepared based on MTP model estimate, FSR, PWD SSR for the year 2022-23 and the local rate as per model estimate and Research Wing rate.

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 District Forest Officer  
 Villupuram Division  
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 Forest Range Officer, Kallakurichi

**Model estimate for 3rd year maintenance for Compensatory afforestation of 100 plants in degraded forest area during 2022-2023 under State CAMPA scheme**

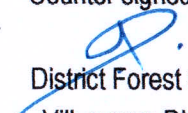
No of Seedlings = 100  
Survival 100% = 100

Wage rate = Rs. 475.75  
2022-2023

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	585.17	100	Nos	585
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 (5000x20x30=3000000 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	475.75	200	Shift	7136
5	0.02	No	Engaging protection Mazdoor @ 1 Mazdoor (3 months) (25 days/ Month)	FSR wage rate	-	475.75	1	No	714
6	LS		Contingencies and unforeseen expenditure to be restricted to as per actuals.	LS					665
<b>Total prorata</b>									<b>15870</b>
Add 40% of escalation									6348
<b>Total prorata 3rd year maintenance</b>									<b>22218</b>

Specifications :

The estimate has been prepared based on MTP model estimate, FSR, PWD SSR for the year 2022-23 and the local rate as per model estimate and Research Wing rate.

8/36  
Counter signed  
  
District Forest Officer  
Villupuram Division  
Villupuram.

  
Forest Range Officer, Kallakurichi

**Model estimate for 4th year maintenance for Compensatory afforestation of 100 plants in degraded forest area during 2022-2023 under State CAMPA scheme**

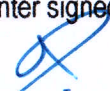
No of Seedlings = 100  
Survival 100% 100

Wage rate = Rs. 475.75  
2022-2023

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	585.17	100	Nos	585
2	LS		Contingencies and unforeseen expenditure to be restricted to as per actuals.	LS					472
<b>Total prorata</b>									<b>1057</b>
Add 50% of escalation									529
<b>Total prorata 4th year maintenance</b>									<b>1586</b>
Add 10% of escalation for 5th year									159
<b>Total prorata for 5th year maintenance</b>									<b>1744</b>
Add 10% of escalation for 6th year									174
<b>Total prorata for 6th year maintenance</b>									<b>1918</b>
Add 10% of escalation for 7th year									192
<b>Total prorata for 7th year maintenance</b>									<b>2110</b>
Add 10% of escalation for 8th year									211
<b>Total prorata for 8th year maintenance</b>									<b>2321</b>
Add 10% of escalation for 9th year									232
<b>Total prorata for 9th year maintenance</b>									<b>2553</b>
Add 10% of escalation for 10th year									255
<b>Total prorata for 10th year maintenance</b>									<b>2809</b>

Specifications :

The estimate has been prepared based on MTP model estimate, FSR, PWD SSR for the year 2022-23 and the local rate as per model estimate and Research Wing rate.

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District Forest Officer  
Villupuram Division  
Villupuram.

  
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