

Work schedule

Raising nursery for native tree species with 10 yr maintenance for Compensatory afforestation of 1536 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 - 1690Nos	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

32/40  
District Forest Officer,  
Villupuram Division,  
Villupuram.

  
FOREST RANGE OFFICER  
KALLAKURUCHI RANGE,  
KALLAKURUCHI.

**Abstract Model estimate for Raising Compensatory afforestation of 1536 plants in degraded forest area during 2022-2023 under State CAMPA scheme**

No. of seedlings : 1536 Nos.  
 For 10% casualty replacement : 154 Nos.  
**TOTAL** 1690 Nos

Sl. No.	Description of Work	Proposed estimate cost in Rupees	Remarks
1	2	3	4
1	Raising nursery - <sup>1690</sup> <del>1536</del> Nos	<del>242382</del> <sup>237386</sup>	1000 Nos of seedlings per ha has been proposed
2	Planting operation - <sup>1536</sup> <del>1690</del> seedlings	<del>745560</del> <sup>653246</sup>	10% Weightage towards escalation of labour wage rate during 2023-24
3	1 <sup>st</sup> year Maintenance	<del>318416</del> <sup>484103</sup> <del>484103</del> <sup>484103</sup>	20% Weightage towards escalation of labour wage rate during 2024-25
4	2 <sup>nd</sup> year Maintenance	<del>291157</del> <sup>336614</sup>	30% Weightage towards escalation of labour wage rate during 2025-26
3	3 <sup>rd</sup> year Maintenance	<del>313554</del> <sup>362508</sup>	40% Weightage towards escalation of labour wage rate during 2026-27
6	4 <sup>th</sup> year Maintenance	14190	50% Weightage towards escalation of labour wage rate during 2027-28
7	5 <sup>th</sup> year Maintenance	15609	60% Weightage towards escalation of labour wage rate during 2028-29
8	6 <sup>th</sup> year Maintenance	17170	70% Weightage towards escalation of labour wage rate during 2029-30
9	7 <sup>th</sup> year Maintenance	18887	80% Weightage towards escalation of labour wage rate during 2030-31
10	8 <sup>th</sup> year Maintenance	20776	90% Weightage towards escalation of labour wage rate during 2031-32
11	9 <sup>th</sup> year Maintenance	22853	100% Weightage towards escalation of labour wage rate during 2032-33
12	10 <sup>th</sup> year Maintenance	25138	110% Weightage towards escalation of labour wage rate during 2033-34
<b>TOTAL</b>		<del>2305790</del> <sup>2302846</sup>	<sup>1948382</sup>

Prorata for 1 ha area

<sup>1501165</sup>  
~~1503242~~  
<sup>1268478</sup>

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 Villupuram Division,  
 Villupuram.

  
**FOREST RANGE OFFICER**  
**KALLAKURICHI RANGE,**  
**KALLAKURICHI**



**Model estimate for Raising nursery for native tree species for Compensatory afforestation of 1890 plants in degraded forest area during 2022-2023 under State CAMPA scheme**

Total Area = Gap planting

Size of Polybags = 13 x 25 x 250g

Seedlings = 1536 Nos

Transplanting Size of Polybags = 30 x 45 x 600g

No of Seedlings = 1536

Proposed Espacement = Gap planting

10% Casualty = 154

Species proposed for planting

Total = 1690

Native species like Vembu, Velvel, Nelli, Naval, Vengai, Red Sanders, Iluppai etc.,

Wage rate 2022-2023 = Rs. 475.75

(Grade-I/Class A areas - Chennai, Tiruvallur, Kancheepuram, Nilgiris, Tirunelveli Districts)

SL. No	Qty	Unit	Name of Work	FSR / SSR	FSL	Rate	Per	Amount
<b>PART I - Small size bags.- 13X25 cm.</b>								
1	186	M <sup>2</sup>	Preparation of Nursery site by clearing and levelling the site for forming standard bed of size 10mX1m (110M <sup>2</sup> /1000 Nos)	4.1	2.42	1151.32	200 No	1071
2	3.38	Kg	Cost of seeds (2kgs/ 1000 Nos)	LR	-	250.00	1 No	845
3	1690	Nos.	Cost of 13x25cmx250G poly bags	Tender rate	-	944.00	1000 No	1595
4	5.00	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	366
5	2.00	Bed	Watering the germination beds twice daily with rose cans for 15 days	4.5.1	0.82	390.12	10 Beds / day	1170
6	2.00	Bed	Watering the germination beds once daily with rose cans for 15 days	4.5.2	0.41	195.06	10 Beds / day	585
7	1.42	Cu.m	Collection & supply of sand,silt and red soil according to the requirement for preparation of soil mixture - 3/4th of the total volume (0.84 M <sup>3</sup> /1000 Nos)	LR	-	750.00	1 Cu.m	1065
8	0.47	Cu.m	Cost and transport of Farm yard manure for filling bags - 1/ 4th of the total volume. (0.28 M <sup>3</sup> /1000 Nos)	LR		750.00	1 Cu.m	353
9	1690	Nos.	Preparation of soil mixture by breaking clods,seiving, mixing red soil,silt,sand according to requirement and farm yard manure in the ratio 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	2131.36	1000 Nos	3602

SL. No	Qty	Unit	Name of Work	FSR / SSR	FSL	Rate	Per		Amount
10	42	Kgs.	Cost of Vermicasting @ 25 gram per seedlings	As per Research Wing Rate	-	10.00	1	Kg	420
11	17	Kgs.	Cost of VAM @ 10 gram per seedlings		-	18.00	1	Kg	306
12	8	Kg	Cost of Azospirillum @ 5 gram per seedlings	As per Research Wing Rate	-	27.00	1	Kg	216
13	8	Kg	Cost of Phosphobacteria @ 5 gram per seedling		-	27.00	1	Kg	216
14			Watering the container plants with rose cans -						
a	1690	Nos.	Twice daily - 15 days	4.10.4	0.23	109.42	1000	Day	2774
b	1690	Nos.	Once daily - 30 days	4.11.4	0.115	54.71			2774
c	1690	Nos.	Alternate days spread over 30 days (Effective days-15)		0.115	54.71			1387
15	1690	Nos.	cost of water for watering the container seedlings - 60 watering days	4.18 - FSR 1998-99		0.85	1000	day	65
16	1690	Nos.	Land rent @ 3000 bags/40 sq.m) - 3 Months	4.17	LR	86.00	40	sq.m/month	145
	22.54	M2/ 3 months							
17	1690	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	820
<b>SUB - TOTAL (A)</b>									<b>19775</b>
<b>PART II - Bigger size bags: 30x45cmx600g.</b>									
18	1690	Nos.	Cost of 30 X 45cm poly bags	Tender rate	-	9263.00	1000	No	15654
19	15.60	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	11700
20	3.9	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	2925



SL. No	Qty	Unit	Name of Work	FSR / SSR	FSL	Rate	Per		Amount
21	1690	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	22971
22	59	Kgs.	Cost of Vermicasting @ 35 gram per seedlings	As per Research Wing Rate	-	10.00	1	Kg	590
23	25	Kgs.	Cost of VAM @ 15 gram per seedlings		-	18.00	1	Kg	450
24	10	Kg	Cost of Azospirillum @ 6 gram per seedlings	As per Research Wing Rate	-	27.00	1	Kg	270
25	10	Kg	Cost of Phosphobacteria @ 6 gram per seedling		-	27.00	1	Kg	270
26	17	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	8088
27	1690	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	73938
28	845	Nos.	Cost of horizontal strick (Casurina poles 5 cm -8 cm girth and 1.00 m height for each plants)	PWD SSR	--	17.50	1	Rm	14788
29	1690	Nos.	Tying plants to the vertical stick once in a month - 2 times	ME	--	0.40	1	Each/ time	1352
30	1690	Nos.	Pruning side branches once in 2 months - 2 times	ME	--	1.00			3380
31			Watering the container plants with rose cans						
a	1690	Nos.	Twice daily - 15 days	4.10.7	0.56	266.42	1000	Day	6754
b	1690	Nos.	Once daily - 30 days	4.11.7	0.28	133.21	1000	Shift	6754

SL. No	Qty	Unit	Name of Work	FSR / SSR	FSL	Rate	Per	Amount
c	1690	Nos.	Once in alternate days -spread over 60 days (Effective days-30 days)	4.11.7	0.28	133.21	1000 Shift	6754
d	1690	Nos.	Twice in a week spread over 105 days (Effective days-30 days)	4.11.7	0.28	133.21	1000 Shift	6754
32	1690	Nos.	Land rent @ 500 bags/40 sq.m)	4.17	LR	86.00	40 sq.m/month	2503
	166.3	m2/7 months						
33	1690	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	15140
34	1690	Nos.	cost of water for watering the container seedlings - 105 watering days	4.18 - FSR 1998-99		1.60	1000 day	284
35	<del>1.00</del> 0.02	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	<del>7850</del> 2855
36			GST 18% (Item No.3, 17)					3105
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	LS		Photo & Documentation etc.,			LS		4000
39	LS		Contingencies unforeseen items			LS		3333
SUB - TOTAL (B)								222606
TOTAL (A + B)								242382

217611  
237386

Raising cost for <sup>1536</sup>~~5500~~ seedlings = <sup>237386</sup>~~242382~~  
cost for 1 seedlings = Rs <sup>155.00</sup>~~143.42~~

per seedling <sup>155.00</sup>~~143.42~~

#### 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 1536 nos of seedlings has been proposed for 1.536 ha @ 1000/ha. with 10% of casuality 154Nos. Totally 1690 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 NHA/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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**Model estimate for Raising nursery for native tree species for Compensatory afforestation of 1530 plants in degraded forest area during 2022-2023 under State CAMPA scheme**

No of seedlings = 1536  
 10% Casualty = 154  
 Total = 1690

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	1536	Nos	Aligning and Marking in plantation area	6.2.4	1.38	656.54	100	Nos	10084
2	1536	Nos	Digging of 60 CM3 pits in all types of soil during non rainy season	6.8.1	9.26	4405.45	100	Nos	67668
3	1536	No.	Cost & transport of Farmyard manure each plants	Lowest quotation	-	750.00	1	M3	82944
	111	M3	0.60x0.60x0.20=0.072m3/pit						
4	1536	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	3654
5	1536	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	11827
6	1690		Transporting saplings (transported to the radius of 40 kms) excluding loading and unloading by Private Vehicle	NHAI ME	-	7.00	1	No	11830
7	1690	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	2645
8			Distribution of saplings from where seedlings are stocked to the planting spot in plains upto 500 mts						
a	676	Nos	Upto 100 mts	5.15.1	10.00	4757.50	1000	Nos	3216
b	676	Nos	Upto 200 mts	5.15.2	17.50	8325.63	1000	Nos	5628
c	338	Nos	Upto 500 mts	5.15.3	41.00	19505.75	1000	Nos	6593
9	1536	Nos	Planting the container plants by refilling pits of size 60cm.	5.22	1.71	813.53	100	Nos	12496
10	454.5	RM	Provision of vertical casurina poles 5cm to 8cm 2.50mtr ht. per plant	PWD SSR		17.50	1	RM	7954
11	154	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	4645

Sl. No	Qty	Description of work	F.S.R. No.	FSL (Man days)	Rato Rs.	Per		Amount
12	1536 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	8988
13	1536 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	49983
14	1536 Nos	Providing Brush wood fencing around each plants	-	0.25	118.94	1	No	182692
15	1536 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	54806
16	567000 Ltrs	Cost of water @ 20 liter per seedlings 15 waterig days (1890x20x15=567000 Lts)	NHAI ME		1200.00	12000	Lts	56700
17	5.524 Nos.	Plantation Protection mazdoors from October to March - 180 m.days	Wage rate	1	475.75	1	M. Days	85635 1713
18	1536 Nos	Removing/scrapping vizal monsoon or bothai grass for one meter dia around the plants	5.27	0.21	99.91	100	Nos	1535
19	5 Mon ths	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
TOTAL								677782
Add 10% of escalation								67778
Total prorata								745560

593860  
59386  
653246

**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 1890 nos of seedlings has been proposed for 1.536 ha @ 1000/ha. with 10% of casuality 154 Nos. Totally 1690 Nos of seedlings has been proposed.

2) Rates for the works in Sl 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.

36/10  
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**Model estimate for 1st year maintenance for Compensatory afforestation of 1536 plants in degraded forest area during 2022-2023 under State CAMPA scheme**

No of seedlings planted 1536

No of Seedlings for casualty replacement = 154

(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	154	No	Raising cost of seedlings in 30x45 size polythene bags (As per nursery estimate)	As per nursery estimate	-	<del>157.80</del> 155.00	1	No	<del>24303</del> 23870
TOTAL (A)									24303
<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	8316
	11	M3							
2	77	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.	183
3	154	Nos.	Transporting saplings (transported in the radius of 40 Kms) excluding loading and unloading in Private vehicle	NHAI ME	-	7.00	1	No.	1078
4	154	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	241
5			Distribution of seedlings in the site C.plants upto 500mtrs - in plains						
a	61.6	Nos	Up to 100 m.	5.15.1	10.00	4757.50	1000	Nos	293
b	61.6	Nos	Up to 200 m.	5.15.2	17.50	8325.63	1000	Nos	513
c	30.8	Nos	Up to 500 m.	5.15.2	41.00	19505.75	1000	Nos	601
6	154	Nos	Replacement of casualties by reopening failed pits and planting the seedlings	5.23	5.57	2649.93	100	Nos	4081

Sl. No	Qty		Description of work	F.S.R. No.	FSL (Man days)	Rate Rs.	Per		Amount
7	1536	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	8988
8	1536	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.	11827
9	921600	Ltrs	Cost of water @ 20 liter per seedlings 30 watering days (1536x20x30=921600 Lts)	NHAI ME	-	1200.00	12000	Lts	92160
10	1540	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	109898
11	<del>1.00</del> 0.02	No	Engaging protection Mazdoor @ 1 Mazdoor from April to March - 12 months (25 days/ Month)	FSR wage rate	-	475.75	1	No	<del>142725</del> 2855
12	LS		Contingencies and unforeseen expenditure to be restricted to as per actuals.	LS					426
TOTAL (B)									<del>381330</del>
TOTAL (A+B) prorata for 1st year maintenance									<del>403419</del>
Add 20% of escalation for 2nd year									<del>80684</del>
Total prorata									<del>484103</del>

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 Sl 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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**Model estimate for 2nd year maintenance for Compensatory afforestation of 1536 plants in degraded forest area during 2022-2023 under State CAMPA scheme**

No of Seedlings = 1536

Survival 100% = 1536

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	1536	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	8988
2	1536	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	11827
3	921600	Ltrs	Cost of water @ 20 liter per seedlings 30 watering days (1536x20x30=1134000 Ltrs)	NHAI ME	-	1200.00	12000	Lts	92160
4	1536	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	109613
5	<del>1.00</del> 0.52	No	Engaging protection Mazdoor @ 1 Mazdoor (3 months) (25 days/ Month)	FSR wage rate	-	475.75	1	No	<del>35681</del> 714
6	LS		Contingencies and unforeseen expenditure to be restricted to as per actuals.	LS					665
Total prorata									<del>250934</del>
Add 30% of escalation									<del>7680</del>
Total prorata 2nd year maintenance									336614

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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**Model estimate for 3rd year maintenance for Compensatory afforestation of 1536 plants in degraded forest area during 2022-2023 under State CAMPA scheme**

No of Seedlings = 1536  
Survival 100% = 1536


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	1536	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	8988
2	1536	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	11827
3	921600	Ltrs	Cost of water @ 20 liter per seedlings 30 waterig days (1536x20x30=921600 Lts)	NHAI ME	-	1200.00	12000 Lts	92160
4	1536	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	109613
5	<del>1.00</del> 5.00	No	Engaging protection Mazdoor @ 1 Mazdoor (3 months) (25 days/ Month)	FSR wage rate	-	475.75	1 No	<del>35681</del> 714
6	LS		Contingencies and unforeseen expenditure to be restricted to as per actuals.	LS				665
Total prorata								258934
Add 40% of escalation								103574
Total prorata 3rd year maintenance								362508

223967  
89587  
313554

**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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**Model estimate for 4th year maintenance for Compensatory afforestation of 1536 plants in degraded forest area during 2022-2023 under State CAMPA scheme**

No of Seedlings = 1536  
Survival 100% 1536

Wage rate = Rs. 475.75  
2022-2023

2022-2023

Sl. No	Qty		Description of work	F.S.R. No.	FSL (Man days)	Rate Rs.	Per		Amount
1	1536	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	8988
2	LS		Contingencies and unforeseen expenditure to be restricted to as per actuals.	LS					472
Total prorata									9460
Add 50% of escalation									4730
Total prorata 4th year maintenance									14190
Add 10% of escalation for 5th year									1419
Total prorata for 5th year maintenance									15609
Add 10% of escalation for 6th year									1561
Total prorata for 6th year maintenance									17170
Add 10% of escalation for 7th year									1717
Total prorata for 7th year maintenance									18887
Add 10% of escalation for 8th year									1889
Total prorata for 8th year maintenance									20776
Add 10% of escalation for 9th year									2078
Total prorata for 9th year maintenance									22853
Add 10% of escalation for 10th year									2285
Total prorata for 10th year maintenance									25138

**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.

  
**FOREST RANGE OFFICER  
KALLAKURICHI RANGE,  
KALLAKURICHI**