



COMPENSATORY AFFORESTATION SCHEME

Cost estimate for Compensatory Afforestation scheme including maintenance of plantation for 10 years in lieu of land diverted for 4.61Ha of Forest land in Kesarkuli Reserved Forest (4.42Ha) and Thirumalvadi Reserved Land (0.19Ha) in Palacode Range of Dharmapuri Forest Division for formation of road from Seenkadu to Alakattu via Erimalai village in Dharmapuri District.

GENERAL ABSTRACT

Sl. No.	Details of work	Unit		Amount proposed
1	Cost estimate for Compensatory Afforestation scheme over an extent of 20.00 Ha in the degraded Forest area of Kavaramalai Extension Reserved Forest in Morappur Range during 2024-2025.	20.00	Ha.	15565633.00
2	Erection of Chain link Fence around the proposed CA area in Kavaramalai Extension Reserved Forest (Degraded forest area) in Morappur Range for a length of 2856mtr (Enclosed Perimeter) for protection from Cattle and biotic pressure at a cost of Rs.2370.50 / RM during the year 2025-2026.	-	RM	6770148.00
3	Digging Bore well at Kavaramalai Extension RF in Morappur Range during the year 2025-2026.	1.0	No	269500.00
4	Providing Drip irrigation System for the planted seedlings over 20.00Ha in Kavaramalai Extension RF of Morappur Range during the year 2025-2026.	20.00	Ha.	2305600.00
	Total	20.00 Ha.		₹ 2,49,10,881.00 (or) 249.1088 Lakhs


District Forest Officer,
Dharmapuri Forest Division,
Dharmapuri.


21/01/2025

Abstract Model estimate for Raising Compensatory Afforestation over an area of 20.00 Ha in degraded forest area identified at Kavaramalai Extension Reserved Forest of Morappur Range during 2024-2025 under State CAMPA scheme


No. of seedlings : 9220 @ 461 Nos per Ha
 For 10% casualty replacement : 922
 TOTAL 10142


Sl. No.	Description of Work	Proposed Estimate Cost in Rupees	Remarks
1	2	3	4
1	Raising nursery - 10142 Nos	17,13,378	461 Nos of seedlings per ha
2	Planting operation - 9220 seedlings	48,19,220	10% Weightage towards escalation of labour wage rate during 2025-26
3	1 st year Maintenance	26,05,626	20% Weightage towards escalation of labour wage rate during 2026-27
4	2 nd year Maintenance	25,15,142	30% Weightage towards escalation of labour wage rate during 2027-28
3	3 rd year Maintenance	28,47,650	40% Weightage towards escalation of labour wage rate during 2028-29
6	4 th year Maintenance	1,12,217	50% Weightage towards escalation of labour wage rate during 2029-30
7	5 th year Maintenance	1,23,438	60% Weightage towards escalation of labour wage rate during 2029-30
8	6 th year Maintenance	1,35,782	70% Weightage towards escalation of labour wage rate during 2030-31
9	7 th year Maintenance	1,49,360	80% Weightage towards escalation of labour wage rate during 2031-32
10	8 th year Maintenance	1,64,296	90% Weightage towards escalation of labour wage rate during 2032-33
11	9 th year Maintenance	1,80,726	100% Weightage towards escalation of labour wage rate during 2033-34
12	10 th year Maintenance	1,98,798	110% Weightage towards escalation of labour wage rate during 2034-35
TOTAL		1,55,65,633	

Prorata for 1 ha area

7,78,282

(OR) Rs. 7.782 Lakhs


 District Forest Officer,
 Dharmapuri Forest Division,
 Dharmapuri.


 21/01/2025

Model estimate for Raising nursery for native tree species for Compensatory Afforestation over an area of 20.00 Ha in degraded forest area identified at Kavaramalai Extension Reserved Forest of Morappur Range during 2024-2025 under State CAMPA scheme

Total Area = 20.00Ha

Size of Polybags = 13 x 25 x 250g

Seedlings per ha = 461 Nos per Ha

Trans Size of Polybags = 30 x 45 x 600g

No of Seedlings = 9220

Proposed Espacement = Gap planting

10% Casualty = 922

Species proposed for planting

Total = 10142

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

Wage rate 2024-2025 = Rs. 650.85

SL No	Qty	Unit	Name of Work	FSR / SSR	FSL	Rate	Per	Amount
PART I - Small size bags.- 13X25 cm.								
1	1014	M ²	Preparation of Nursery site by clearing and levelling the site for forming standard bed of size 10mX1m (110M ² /1000 Nos)	4.1	2.42	1575.06	461 No	3464
2	20.28	Kg	Cost of seeds (2kgs/ 500 Nos)	LR	--	250.00	1 No	5070
3	10142	Nos.	Cost of 13x25cmx250G Polythene bags	Tender rate	--	920.40	1000 No	9335
4	30.00	Cum	Forming germination beds of size 10mx1mx 0.3m by heaping the soil - 500 No per bed	PWD SSR item 62	--	73.10	1 cum	2193
5	2.00	Bed	Watering the germination beds twice daily with rose cans for 15 days	4.5.1	0.82	533.70	10 Beds / day	1601
6	2.00	Bed	Watering the germination beds once daily with rose cans for 15 days	4.5.2	0.41	266.85	10 Beds / day	801
7	8.52	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 ³ /500 Nos)	4.6.9	-	1200.00	1 Cu.m	10224
8	2.84	Cu.m	Cost and transport of Farm yard manure for filling bags - 1/ 4th of the total volume. (0.28 M ³ /500 Nos)	4.6.11	-	800.00	1 Cu.m	2272
9	10142	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	2915.81	1000 Nos	29572

SL. No	Qty	Unit	Name of Work	FSR / SSR	FSL	Rate	Per		Amount
10	254	Kgs.	Cost of Vermicasting @ 25 gram per seedlings	As per Research Wing Rate	-	12.00	1	Kg	3048
11	101	Kgs.	Cost of VAM @ 10 gram per seedlings		-	22.00	1	Kg	2222
12	51	Kg	Cost of Azospirillum @ 5 gram per seedlings	As per Research Wing Rate	-	34.00	1	Kg	1734
13	51	Kg	Cost of Phosphobacteria @ 5 gram per seedling		-	34.00	1	Kg	1734
14			Watering the container plants with rose cans -						
a	10142	Nos.	Twice daily - 15 days	4.10.4	0.23	149.70	1000	Day	22774
b	10142	Nos.	Once daily - 30 days	4.11.4	0.115	74.85			22774
c	10142	Nos.	Alternate days spread over 30 days (Effective days-15)		0.115	74.85			11387
15	10142	Nos.	cost of water for watering the container seedlings - 60 watering days	4.18.4 -	FSR 2024-25	8.50	1000	bag watering	5172
16	10142	Nos.	Land rent @ 3000 bags/40 sq.m) - 3 Months	4.17	FSR 2024-25	100.00	40	sq.m/month	1014
	135.23	M2/ 3 months							
17	10142	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	331.93	1000	Shift	6733
SUB - TOTAL (A)									143124
PART II - Bigger size bags: 30x45cmx600g.									
18	10142	Nos.	Cost of 30 X 45cm X 600 G Polythene bags	Tender rate	--	7670.00	1000	No	77789
19	93.61	M3	Collection & supply of sand,silt and red soil according to the requirement for preparation of soil mixure - 4/5th of the total volume (excluding the volume of earth in 13X25cm containers). (@ 9.23 Cu.m/1000 Nos)	4.6.9	FSR 2024-25	1200.00	1	M3	112332
20	23.43	M3	Cost and transport of Farm yard manure for filling bags - 1/5th of the total volume. (@ 2.31 Cu.m/1000 Nos)	4.6.11	FSR 2024-25	800.00	1	M3	18744

SL No	Qty	Unit	Name of Work	FSR / SSR	FSL	Rate	Per		Amount
21	10142	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	18594.78	1000	Nos	188588
22	355	Kgs.	Cost of Vermicasting @ 35 gram per seedlings	As per Research Wing Rate	-	12.00	1	Kg	4260
23	152	Kgs.	Cost of VAM @ 15 gram per seedlings		-	22.00	1	Kg	3344
24	61	Kg	Cost of Azospirillum @ 6 gram per seedlings	As per Research Wing Rate	-	34.00	1	Kg	2074
25	61	Kg	Cost of Phosphobacteria @ 6 gram per seedling		-	34.00	1	Kg	2074
26	101	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	-	650.85	1	Nos	65736
27	10142	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	443713
28	10142	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	177485
29	10142	Nos.	Tying plants to the vertical stick once in a month - 2 times	ME	-	0.40	1	Each/ time	8114
30	10142	Nos.	Pruning side branches once in 2 months - 2 times	ME	-	1.00			20284
31			Watering the container plants with rose cans						
a	10142	Nos.	Twice daily - 15 days	4.10.7	0.56	364.48	1000	Day	55448
b	10142	Nos.	Once daily - 30 days	4.11.7	0.28	182.24	1000	Shift	55448


SL. No	Qty	Unit	Name of Work	FSR / SSR	FSL	Rate	Per		Amount
c	10142	Nos.	Once in alternate days -spread over 60 days (Effective days-30 days)	4.11.7	0.28	182.24	1000	Shift	55448
d	10142	Nos.	Twice in a week spread over 105 days (Effective days-30 days)	4.11.7	0.28	182.24	1000	Shift	55448
32	10142	Nos.	Land rent @ 500 bags/40 sq.m)	4.17	FSR 2024-25	100.00	40	sq.m/month	14199
	811.36	m2/7 months							
33	10142	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	1750.79	1000	Shift	124296
34	10142	Nos.	cost of water for watering the container seedlings - 120 watering days	4.18.4	FSR 2024-25	32.00	1000	bag watering	38945
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	650.85	1	100000/M	19803
36			GST 18% (Item No.3, 18)						15682
37	5 Months		Provision for cost of pesticides and fungicides and Labour charges for application of pesticides - 2 times / month	LR	-	200	1	times	3000
38	LS		Photo & Documentation etc.,			LS			5000
39	LS		Contingencies unforeseen items			LS			3000
SUB - TOTAL (B)									1570253
TOTAL (A + B)									1713378


Raising cost for 10142nos of seedlings = 1713378

cost for 1 seedlings = Rs 168.94 per seedling 168.94

Specifications :

- 1) The Compensatory afforestation has to be carried out at 461nos of seedlings per ha. Hence 9220 Nos of seedlings has been proposed for 20.00 Ha with 10% of casualty 922 Nos. Totally 10142Nos 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 2024-25 and the local rate as per model estimate and Research Wing rate.


District Forest Officer,
Dharmapuri Forest Division,
Dharmapuri.


21/01/2025

Model estimate for planting of native tree species for Compensatory Afforestation over an area of 20.00 Ha in degraded forest area identified at Kavaramalai Extension Reserved Forest of Morappur Range during 2025-2026 under State CAMPA scheme

No of seedlings = 9220
 10% Casualty = 922
 Total = 10142

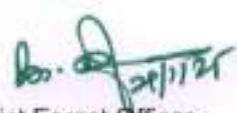
Size of Polybags = 30 x 45 x 600g
 Wage rate = Rs. 650.85
 2024-2025


Sl. No	Qty	Description of work	F.S.R. No.	FSL (Man days)	Rate Rs.	Per		Amount
1	9220 Nos	Aligning and Marking in plantation area	5.2.4	1.38	898.17	100	Nos	82811
2	9220 Nos	Digging of 60 CM3 pits in all types of soil during non rainy season	5.8.1	9.26	6026.87	100	Nos	555677
3	9220 No. 664 M3	Cost & transport of Farmyard manure each plants 0.60x0.60x0.20=0.072m3/pit	4.6.11	FSR 2024-25	800.00	1	M3	531072
4	9220 Nos	Application of Farm yard manure by mixing in the pit before planting - 1 mazdoor for 200 Nos	FSL Wage rate	1.00	650.85	200	No	30004
5	9220 Nos	Cost of Bio fertilizer including cost of application - Vermicompost - 1 Kg, Bio Fertilizers - 100 gms, VAM- 100 gms	Research Wing Rate	-	17.60	1	No	162272
6	10142	Transporting saplings (transported to the radius of 40 kms) excluding loading and unloading by Private Vehicle	NHAI ME	-	7.00	1	No	70994
7	10142 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	2141.30	1000	Nos	21717
8		Distribution of saplings from where seedlings are stocked to the planting spot in plains upto 500 mts						
a	4057 Nos	Upto 100 mts	5.15.1	10.00	6508.50	1000	Nos	26404
b	4057 Nos	Upto 200 mts	5.15.2	17.50	11389.88	1000	Nos	46206
c	2028 Nos	Upto 500 mts	5.15.3	41.00	26684.85	1000	Nos	54128
9	9220 Nos	Planting the container plants by refilling pits of size 60cm.	5.22	1.71	1112.95	100	Nos	102614
10	12500 RM	Provision of vertical casurina poles 5cm to 8cm 2.50mtr ht. per plant	PWD SSR		17.50	1	RM	218750
11	922 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	4126.39	100	Nos	38045
Sl. No	Qty	Description of work	F.S.R. No.	FSL (Man days)	Rate Rs.	Per		Amount

12	9220	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	800.55	100	Nos	73811
13	0	Nos	Forming catch water drains for each plant of 90x45x 30 cm size in hillocks and hard gravelly soil	5.26	6.84	4451.81	100	Nos	0
14	9220	Nos	Providing Brush wood fencing around each plants	-	0.25	162.71	1	No	1500186
15	9220	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		650.85	200	Nos	450063
16	2766000	Ltrs	Cost of water @ 20 liter per seedlings 15 watering days (9220x20x15=2766000 Lts)	NHAI ME		1200.00	12000	Lts	276600
17	1	Nos.	Plantation Protection mazdoors from October to March - 180 m.days	Wage rate	1	650.85	1	M. Days	117153
18	9220	Nos	Removing/scrapping vizal monsoon or bothai grass for one meter dia around the plants	5.27	0.21	136.68	100	Nos	12602
19	5	Months	Provision for cost of pesticides and fungasides and Labour charges for application of pesticides - 2 times / month	LR	-	200	1	times	2000
20	L.S		Photo & Documentation etc.,	LS					5000
21	LS		Contingencies and unforeseen expenditure to be restricted to as per actuals.	LS					3000
TOTAL									4381109
Add 10% of escalation									438111
Total prorata									4819220

Specifications :

- 1) The Compensatory afforestation has to be carried out at 461nos of seedlings per ha . Hence 9220 Nos of seedlings has been proposed for 20.00 Ha with 10% of casualty 922 Nos. Totally 10142 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 2024-25 and the local rate as per model estimate and Research Wing rate.


 District Forest Officer,
 Dharmapuri Forest Division,
 Dharmapuri.


 21/01/2025

Model estimate for 1st year maintenance of CA plantation over an area of 20.00 Ha in degraded forest area at Kavaramalai Extension Reserved Forest of Morappur Range during 2026-2027 under State CAMPA scheme

No of seedlings planted 9220

No of Seedlings for
casualty replacement = 922

(10% replacement)

Size of Polybags = 30 x 45 x 600g

Wage rate = Rs. 650.85

Sl. No	Qty		Description of work	F.S.R. No.	FSL (Man days)	Rate Rs.	Per		Amount
A. NURSERY OPERATION									
1	922	No	Raising cost of seedlings in 30x45 size polythene bags (As per nursery estimate)	As per nursery estimate	-	168.94	1	No	155764
TOTAL (A)									155764
B. PLANTING OPERATION									
1	922	No	Cost & transport of Farm yard manure each plants	4.6.11	FSR 2024-25	800.00	1	m3	53107
	66	M3	0.60x0.60x0.20=0.072m3/pit						
2	461	Nos.	Application of Farm yard manure by mixing in the pit before planting - 1 mazdoor for 200 Nos	FSL Wages Rate	-	650.85	200	Nos.	1500
3	922	Nos.	Transporting saplings (transported in the radius of 40 Kms) excluding loading and unloading in Private vehicle	NHAI ME	-	7.00	1	No.	6454
4	922	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	2141.30	1000	Nos	1974
5			Distribution of seedlings in the site C.plants upto 500mtrs - in plains						
a	368.8	Nos	Up to 100 m.	5.15.1	10.00	6508.50	1000	Nos	2400
b	368.8	Nos	Up to 200 m.	5.15.2	17.50	11389.88	1000	Nos	4201
c	184.4	Nos	Up to 500 m.	5.15.2	41.00	26684.85	1000	Nos	4921
6	922	Nos	Replacement of casualties by reopening failed pits and planting the seedlings	5.23	5.57	3625.23	100	Nos	33425

Model estimate for 2nd year maintenance of CA plantation over an area of 20.00 Ha in degraded forest area at Kavaramalai Extension Reserved Forest of Morappur Range during 2027-2028 under State CAMPA scheme

No of Seedlings = 9220

Survival 100% = 9220

Wage rate = Rs. 650.85


2024-2025

Sl. No	Qty	Description of work	F.S.R. No.	FSL (Man days)	Rate Rs.	Per	Amount
1	9220 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	800.55	100 Nos	73811
2	9220 Nos	Cost of Bio Fertilizers including cost of application Vermi-camposse 1 kg, Bio fertilizer 100 gms VAM 100 Gms	Research Wing Rate	-	17.60	1 Kg	162272
3	5532000 Ltrs	Cost of water @ 20 liter per seedlings 30 watering days (9220x20x30=5532000 Ltrs)	NHAI ME	-	1200.00	12000 Lts	553200
4	9220 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		650.85	200 Shift	900126
5	300.00 MD	Engaging protection Mazdoor @ 1 Mazdoor (3 months) (25 days/ Month)	FSR wage rate	1	650.85	1 MD	195255
6	LS	Contingencies and unforeseen expenditure to be restricted to as per actuals.			LS		5000
Total prorata							1889664
Add 10% of escalation							188966
Total							2078630
Add 10% of escalation for 20%							207863
Total							2286493
Add 10% of escalation for 30%							228649
Total prorata 2nd year maintenance							2515142

Specifications :

The estimate has been prepared based on MTP model estimate, FSR, PWD SSR for the year 2024-25 and the local rate as per model estimate and Research Wing rate.


 District Forest Officer,
 Dharmapuri Forest Division,
 Dharmapuri.


 21/01/2025

Model estimate for 3rd year maintenance of CA plantation over an area of 20.00 Ha in degraded forest area at Kavaramalai Extension Reserved Forest of Morappur Range during 2028-2029 under State CAMPA scheme


No of Seedlings = 9220
Survival 100% = 9220

Wage rate = Rs. 650.85
2024-2025

Sl. No	Qty		Description of work	F.S.R. No.	FSL (Man days)	Rate Rs.	Per		Amount
1	9220	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	800.55	100	Nos	73811
2	9220	Kgs	Cost of Bio Fertilizers including cost of application Vermi-campos 1 kg,Bio fertilizer 100 gms VAM 100 Gms	Research Wing Rate	-	17.60	1	Kg	162272
3	6085200	Ltrs	Cost of water @ 20 liter per seedlings 30 watering days (10142x20x30=6085200 Ltrs)	NHAI ME	-	1200	12000	Lts	608520
4	9220	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	-	650.85	200	Shift 1	900126
5	300.00	MD	Engaging protection Mazdoor @ 1 Mazdoor (3 months) (25 days/ Month)	FSR wage rate	-	650.85	1	MD	195255
6	LS		Contingencies and unforeseen expenditure to be restricted to as per actuals.	LS					6000
Total prorata									1944984
Add 10% of escalation									194498
Total									194498
Add 10% of escalation for 20%									19450
Total									213948
Add 10% of escalation for 30%									21395
Total									235343
Add 10% of escalation for 40%									23534
Total prorata 3rd year maintenance									2847650

Specifications :

The estimate has been prepared based on MTP model estimate, FSR, PWD SSR for the year 2024-25 and the local rate as per model estimate and Research Wing rate.


District Forest Officer,
Dharmapuri Forest Division,
Dharmapuri.


21/01/2025

Model estimate for 4th year maintenance of CA plantation over an area of 20.00 Ha in degraded forest area at Kavaramalai Extension Reserved Forest of Morappur Range during 2029-2030 under State CAMPA scheme


No of Seedlings = 9220
Survival 100% 9220


Wage rate = Rs. 650.85
2024-2025

Sl. No	Qty		Description of work	F.S.R. No.	FSL (Man days)	Rate Rs.	Per		Amount
1	9220	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	800.55	100	Nos	73811
2	LS		Contingencies and unforeseen expenditure to be restricted to as per actuals.	LS					1000
Total prorata									74811
Add 50% of escalation									37406
Total prorata 4th year maintenance									112217
Add 10% of escalation for 5th year									11222
Total prorata for 5th year maintenance									123438
Add 10% of escalation for 6th year									12344
Total prorata for 6th year maintenance									135782
Add 10% of escalation for 7th year									13578
Total prorata for 7th year maintenance									149360
Add 10% of escalation for 8th year									14936
Total prorata for 8th year maintenance									164296
Add 10% of escalation for 9th year									16430
Total prorata for 9th year maintenance									180726
Add 10% of escalation for 10th year									18073
Total prorata for 10th year maintenance									198798

Specifications :

The estimate has been prepared based on MTP model estimate, FSR, PWD SSR for the year 2024-25 and the local rate as per model estimate and Research Wing rate.


 District Forest Officer,
 Dharmapuri Forest Division,
 Dharmapuri.



 21/01/2025


Estimate for Providing Chain link fencing (for 1000m) around Compensatory Afforestation over an area of (2856 m) at Kavaramalai Extension RF (Degraded Forest area) of Morappur Range in Dharmapuri Forest Division during 2024-25

ABSTRACT ESTIMATE

Sl. No.	Quantity		Description	Rate	per	Amount
1	2000.00	M ²	Clearing the Scrub jungle as per standard specification.	7.13	M ²	14,260.00
2	108.43	M ³	Earth work open excavation in SDR - (Not Requiring Blasting) Earth work excavating and depositing on bank with initial lead of 10 m & initial lift of 2m in Soft disintegrated rock, laterite, soft rock or kankar, not requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the excavated earth with a lead of 10 m'ts. in places shown by the departmental officers and clearing and levelling the site, etc., complete complying with standard specification.	113.90	M ³	12,350.00
3	33.89	M ³	Cement Concrete 1:2:4 (One Cement, Two sand and Four hard broken stone jelly) using 20 mm gauge hard broken granite stone jelly for foundation including dewatering wherever necessary and laid in layers of not more than 15 cm thick, well rammed, consolidated and curing etc. complete complying with standard specification	7,055.75	M ³	2,39,119.00
4	451.80	M ²	Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as column footings, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 75cm centre to centre or at suitable intervals etc. complete in all floors complying with standard specification. (Payment for centering shall be given after the concrete is laid)	817.15	M ²	3,69,188.00
5	5421.60	kg.	Supplying and fixing in position of 65 x 65 x 6mm MS angles including cost and conveyance of materials and fixing in position including cutting and welding etc; complete complying with standard specification and as directed by the departmental officers.	67.97	M ³	3,68,506.00
6	1830.00	M ²	Supplying and fixing in position of Chain Link 2" x 2" using 10 Gauge Galvanised Iron Wire (of all sizes) including cost and conveyance of all materials at site and labour for fixing including cost of binding wire etc. complete complying with standard specification.	275.05	M ³	5,03,342.00

Sl. No.	Quantity	Description	Rate	per	Amount
7	135.54	M ² Plastering with Cement mortar 1:5 (one cement and five sand) 20mm thick in all floors including mixing mortar, working in all heights including curing with all leads and lifts for good water etc., complete complying with TNBSS and as directed by the departmental officers.	633.30	M ²	85,837.00
8	135.54	M ² WHITE WASHING TWO COATS using best freshly burnt shell lime and colouring pigments in all floors including cost of lime blue powder, fevical type gum brushes, scaffolding charges etc., complete complying with standard specification.	44.10	M ²	5,977.00
9	225.90	M ³ Painting new iron works such as steel doors, windows, ventilators, window bars, balustrades etc., with two coats of best approved first quality and colour of synthetic enamel paint over the existing red oxide priming coat in all floors excluding cost of priming coat etc., complete complying with standard specification. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)	587.60	M ³	1,32,739.00
10	36.14	M ² Refilling the excavated soil for basement level filling using foundation cutting earth etc complete complying with standard specification.	51.42	M ²	1,858.00
11	LS	Transportation charges of chain link fencing and angles to the work site including loading and unloading etc; complete	LS		15,000.00
		Sub Total			17,48,176.00
12	LS	GST at 18% (CGST at 9%o + SGST at 9%) is leviable for any Government contract, whether Civil or Electrical, irrespective of the GST rate applicable on purchase of goods used in the execution of Government Contract.	LS		3,14,672.00
13	LS	Provision for Labour welfare fund 1.00%	LS		17,482.00
14	LS	Conigencies of (Main Gate ,Name boards and & photographic with documentation charges etc.)	LS		75,000.00
		Sub Total			21,55,330.00
		Rate of I RM = 2155330/1000 = 2155			
		Perimeter is (2856 x 2155)			61,54,680.00
		Escalation of 10 % in 2025 - 2026			6,15,468.00
		Total			67,70,148.00


 District Forest Officer,
 Dharmapuri Forest Division,
 Dharmapuri,


 21/01/2025


Estimate for Providing Chain link fencing (for 1000m) around Compensatory Afforestation over an area of (2856 m) at Kavaramalai Extension RF (Degraded Forest area) of Morappur Range in Dharmapuri Forest Division during 2024-25


DETAILED ESTIMATE

Sl.No.	Description of work	No.	Length	Breath	Depth	Contents
1	Clearing the light jungle as per standard specification. Chain link fencing area	1 x 1	1000.00	2.00	-	2000.00 2000.00 M ²
2	Earth work open excavation in SDR - (Not Requiring Blasting) Earth work excavating and depositing on bank with initial lead of 10 m & initial lift of 2m in Soft disintegrated rock, laterite, soft rock or kankar, not requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the excavated earth with a lead of 10 m'ts. in places shown by the departmental officers and clearing and levelling the site, etc., complete complying with standard specification. For Concrete Pillars (once in 2.40M) For supporting angles @ every 5 pillars (12.00m) in alternative sides.	1 x 418 1 x 84	0.60 0.60	0.60 0.60	0.60 0.60	90.29 18.14 108.43 M ³
3	Cement Concrete 1:2:4 (One Cement, Two sand and Four hard broken stone jelly) using 20 mm gauge hard broken granite stone jelly for foundation including dewatering wherever necessary and laid in layers of not more than 15 cm thick, well rammed, consolidated and curing etc. complete complying with standard specification at clear distance of 2.40m centre to centre. For Concrete Pillars (once in 2.40M) For supporting angles @ every 5 pillars (12.00m) in alternative sides.	1 x 418 1 x 84	0.30 0.30	0.30 0.30	0.75 0.75	28.22 5.67 33.89 M ³
4	Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as column footings, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 75cm centre to centre or at suitable intervals etc. complete in all floors complying with standard specification. (Payment for centering shall be given after the concrete is laid) For Concrete Pillars (once in 2.40M) For supporting angles @ every 5 pillars (12.00m) in alternative sides.	4 x 418 4 x 84	0.30 0.30	- -	0.75 0.75	376.20 75.60 451.80 M ²
5	Supplying and fixing in position of 65 x 65 x6mm MS angles including cost and conveyance of materials and fixing in position including cutting and welding etc; complete complying with standard specification and as directed by the departmental officers.					

Sl.No.	Description of work	No.	Length	Breath	Depth	Contents
	For Concrete Pillars (once in 2.40M)	1 x 418	2.700	-	-	1128.60
	For supporting angles @ every 5 pillars (12.00m) in alternative sides.	1 x 84	2.700	-	-	226.80
						1355.40 RM
	Steel calculation : (As per invoice)					
	For 7 Feet (or) 2.1336m length =	8.50 kg				
	For 1 metre length =	8.50 kg /	2.13 kg =	4.00 kg.		
	Total weight =	1355.40 RM x	4.00 kg =	5421.60 kg.		5421.60 kg.
6	Supplying and fixing in position of Chain Link 2" x 2" using 10 Gauge Galvanised Iron Wire (of all sizes) including cost and conveyance of all materials at site and labour for fixing including cost of binding wire etc. complete complying with standard specification.					
	Chain link fencing around CA area.	1 x 1	1000.00	-	1.830	1830.00
						1830.00 M ²
7	Plastering with Cement mortar 1:5 (one cement and five sand) 12mm thick in all floors including mixing mortar, working in all heights including curing with all leads and lifts for good water etc., complete complying with TNBSS and as directed by the departmental officers.					
	Concrete Pillar around - AGL	4 x 418	0.30	-	0.15	75.24
	Concrete Pillar - Top	1 x 418	0.30	0.30	-	37.62
	For supporting angles @ every 5 pillars (12.00m) in alternative sides.	4 x 84	0.30	-	0.15	15.12
	Concrete Pillar - Top	1 x 84	0.30	0.30	-	7.56
						135.54 M ²
8	White washing two coats using best freshly burnt shell lime and colouring pigments in all floors including cost of lime blue powder, fevical type gum brushes, scaffolding charges etc., complete complying with standard specification.					
	Concrete Pillar around - AGL	4 x 418	0.30	-	0.15	75.24
	Concrete Pillar - Top	1 x 418	0.30	0.30	-	37.62
	For supporting angles @ every 5 pillars (12.00m) in alternative sides.	4 x 84	0.30	-	0.15	15.12
	Concrete Pillar - Top	1 x 84	0.30	0.30	-	7.56
						135.54
9	Painting new iron works such as steel doors, windows, ventilators, window bars, balustrades etc., with two coats of best approved first quality and colour of synthetic enamel paint over the existing red oxide priming coat in all floors excluding cost of priming coat etc., complete complying with standard specification. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)					

Sl.No.	Description of work	No.	Length	Breath	Depth	Contents
	MS angles of size 2" x 2" x 1/4" (50.80 x 50.80 x 6.25mm)	2 x 418	2.250	-	0.100	188.10
	For supporting angles @ every 5 pillars (12.00m) in alternative sides.	2 x 84	2.250	-	0.100	37.80
						<u>225.90</u> M ²
10	Refilling the excavated soil for basement level filling using foundation cutting earth etc complete complying with standard specification.					
	1/3 rd Qty. of earth work (Item No.1)	1 x 1	108.43	/	3.00	36.14
						<u>36.14</u> M ³
11	Transportation charges of chain link fencing and angles to the work site including loading and unloading etc; complete.					LS
12	GST at 18% (CGST at 9% + SGST at 9%) is leviable for any Government contract, whether Civil or Electrical, irrespective of the GST rate applicable on purchase of goods used in the execution of Government Contract.					LS
13	Provsion for Labour welfare fund @ 1.00%.					LS
14	Provsion for Unforeseen items of works such as Painting and writting awareness sign boards, Documentation & photographic charges etc.					LS


 District Forest Officer,
 Dharmapuri Forest Division,
 Dharmapuri.


 21/01/2025

DATA

Sl. No.	Qty.	Unit	Description	Rate in rupees	Per	Amount in rupees
SUB DATA						
1			CEMENT MORTAR 1:1.5			
*	960.00	KG	CEMENT	6011.52	MT	5771.06
M	1.00	cu.m.	crushed stone sand FOR MORTAR	1526.46	cu.m.	1526.46
	1.00	cu.m.	MIXING CHARGES	153.12	cu.m.	153.12
			Rate for 1 cu.m.			7450.64
1			CEMENT MORTAR 1:2			
	720.00	KG	CEMENT	6011.52	MT	4328.29
	1.00	cu.m.	crushed stone sand FOR MORTAR	1526.46	cu.m.	1526.46
	1.00	cu.m.	MIXING CHARGES	153.12	cu.m.	153.12
			Rate for 1 cu.m.			6007.87
2			CEMENT MORTAR 1:3			
	480.00	KG	CEMENT	6011.52	MT	2885.53
	1.00	cu.m.	Crushed stone sand FOR MORTAR	1526.46	cu.m.	1526.46
	1.00	cu.m.	MIXING CHARGES	153.12	cu.m.	153.12
						4565.11
3			CEMENT MORTAR 1:4			
	360.00	KG	CEMENT	6011.52	MT	2164.15
	1.00	cu.m.	crushed stone sand FOR MORTAR	1526.46	cu.m.	1526.46
	1.00	cu.m.	MIXING CHARGES	153.12	cu.m.	153.12
			Rate for 1 cu.m.			3843.73
4			CEMENT MORTAR 1:5			
	288.00	KG	CEMENT	6011.52	MT	1731.32
	1.00	cu.m.	crushed stone sand FOR MORTAR	1526.46	cu.m.	1526.46
	1.00	cu.m.	MIXING CHARGES	153.12	cu.m.	153.12
			Rate for 1 cu.m.			3410.90
5			CEMENT MORTAR 1:6			
	240.00	KG	CEMENT	6011.52	MT	1442.76
	1.00	cu.m.	crushed stone sand FOR MORTAR	1526.46	cu.m.	1526.46
	1.00	cu.m.	MIXING CHARGES	153.12	cu.m.	153.12
			Rate for 1 cu.m.			3122.34
6			CEMENT MORTAR 1:8			
*	180.00	KG	CEMENT	6011.52	MT	1082.07
J	1.00	cu.m.	crushed stone sand FOR MORTAR	1526.46	cu.m.	1526.46
	1.00	cu.m.	MIXING CHARGES	153.12	cu.m.	153.12
			Rate for 1 cu.m.			2761.65
7			LIME MORTAR 1:2			
	0.50	cu.m.	LIME STONE	1049.56	cu.m.	524.78
	1.00	cu.m.	crushed stone sand FOR MORTAR	1526.46	cu.m.	1526.46
	1.00	cu.m.	GRINDING MORTAR	486.02	cu.m.	486.02
			Rate for 1 cu.m.			2537.26
9			Combination Mortor (Cement:Lime:Sand) 1:1:7 using			
*	205.70	KG	CEMENT	6011.52	MT	1236.57
J	0.14	cu.m.	LIME STONE	1049.56	cu.m.	146.94
	1.00	cu.m.	crushed stone sand FOR MORTAR	1526.46	cu.m.	1526.46
	1.00	cu.m.	MIXING CHARGES	153.12	cu.m.	153.12
	1.00	cu.m.	GRINDING MORTAR	486.02	cu.m.	486.02
			sundries			

Sl. No.	Qty.	Unit	Description	Rate in rupees	Per	Amount in rupees
Rate for 1 cu.m.						3549.11
10			Combination Mortor (Cement:Lime:Sand) 1:1:8 using			
*	180.00	KG	CEMENT	6011.52	MT	1082.07
J	0.13	cu.m.	LIME STONE	1049.56	cu.m.	136.44
	1.00	cu.m.	crushed stone sand FOR MORTAR	1526.46	cu.m.	1526.46
	1.00	cu.m.	MIXING CHARGES	153.12	cu.m.	153.12
	1.00	cu.m.	GRINDING MORTAR	486.02	cu.m.	486.02
			sundries			-
Rate for 1 cu.m.						3384.12
11			Brick Jelly Lime Concrete 1:2:5 using 40mm brick jelly in Lime Mortar 1:2 - 10 cu.m.			
	9.50	cu.m.	Broken Brick Jelly (40mm size)	884.85	cu.m.	8406.08
	3.80	cu.m.	Lime Mortar 1:2	2537.26	cu.m.	9641.60
	1.80	Nos.	Mason II Class	1230.00	Each	2214.00
	17.70	Nos.	Mazdoor I Class	859.20	Each	15207.84
	14.10	Nos.	Mazdoor II Class	704.40	Each	9932.04
			Total for 10 cu.m.			45402.00
Rate for 1 cu.m.						4540.20
12			Brick Jelly Lime Concrete 1:2:5 using 20mm brick jelly in Lime Mortar 1:2 - 10 cu.m.			
*	9.50	cu.m.	Broken Brick Jelly (20mm size)	965.85	cu.m.	9175.58
J	3.80	cu.m.	Lime Mortar 1:2	2537.26	cu.m.	9641.60
	1.80	Nos.	Mason II Class	1230.00	Each	2214.00
	17.70	Nos.	Mazdoor I Class	859.20	Each	15207.84
	14.10	Nos.	Mazdoor II Class	704.40	Each	9932.04
			Total for 10 cu.m.			46172.00
Rate for 1 cu.m.						4617.20
11			Labour wrought and put up for 1 cu.m.			
	4.50	Nos.	Carpenter I Class	1287.60	Each	5794.20
	13.20	Nos.	Carpenter II Class	1230.00	Each	16236.00
	8.80	Nos.	Mazdoor I Class	859.20	Each	7560.96
			Sundries for nails, screws, etc.			295.91
			Total			29887.07
Rate for 1 cu.m.						29887.10

MAIN DATA

1	Supply and Clearing of the Jungle in Heavy Jungle/Clearing or Scrub Jungle for Construction location or plantation location etc...					
	1.00	Sqm	Clearing Scrub Jungle	5.94	Sqm	5.94
	LS		Add 20% extra for RF area	LS		1.19
Rate for 1 sq.m.						7.13
2	ORDINARY SOIL SS20B Earth work excavating and depositing on bank with initial-lead of 10m & initial lift of 2m in Sand, silt or other loose soil, wet sand or silt not under water, light black cotton soil, sandy loam and ordinary soil including excavated earth SS.20.B					
	1.00	cu.m.	Earth work excavation in soil (average rate)	82.34	cu.m.	82.34
	0.33	cu.m.	Refilling charges	37.62	cu.m.	12.54
	LS		Add 20% extra for RF area	LS		18.98
						113.86
Rate for 1 cu.m.						113.90

Sl. No.	Qty.	Unit	Description	Rate in rupees	Per	Amount in rupees
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- 2a **Earth work open excavation in SDR - (Not Requiring Blasting)** Earth work excavating and depositing on bank with initial lead of 10 m & initial lift of 2m in Soft disintegrated rock, laterite, soft rock or kankar, not requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the excavated earth with a lead of 10 m'ts. in places shown by the departmental officers and clearing and levelling the site, etc., complete complying with standard specification.

1.00	cu.m.	Earth work excavation in soil (As per PWD SSR 2025	183.59	cu.m.	183.59
		Add 20% extra for RF			36.72
					220.31

Rate for 1 cu.m. Rs. 220.31

- 16 **Cement Concrete 1:2:4 (one cement, two crushed stone sand and four hard broken stone jelly) using 20mm jelly for wearing coat including laying, compacting, finishing and curing, etc., complete as per standard specifications and as directed by the departmental officers.**

9.00	cu.m.	Broken Stone (20mm size)	1796.46	cu.m.	16168.14
4.50	cu.m.	Cement Mortar 1:2	6007.87	cu.m.	27035.43
1.80	Nos.	Mason II Class	1230.00	Each	2214.00
17.70	Nos.	Mazdoor I Class	859.20	Each	15207.84
14.10	Nos.	Mazdoor II Class	704.40	Each	9932.04
		Rate for 10 cu.m.			70557.45

Rate for 1 cu.m. 7055.75

- 18 **Supplying and erecting steel centering** including necessary supports for plane surfaces for Reinforced Cement Concrete works such as column footings, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 75cm centre to centre or at suitable intervals etc. complete in all floors complying with standard specification. (Payment for centering shall be given after the concrete is laid)

Sub-Data for strutting

98.50	RM	Casurina props 10 to 13 cm dia. (Assuming 5 uses)	25.20	RM	2482.20
		Rate for 1 use			496.44
0.30	Nos.	Carpenter I Class	1287.60	Each	386.28
0.30	Nos.	Mazdoor I Class	859.20	Each	257.76
	LS	Add for wedges and nails			9.30
		Total for 10 sq.m.			1149.78

Rate for 1 sq.m. 114.98

Main data

10.00	sq.m.	Rate for centering for slab as per (a)	932.10	sq.m.	9321.00
10.00	sq.m.	Deduct or strutting	114.98	sq.m.	-1149.78
		Total for 10 sq.m.			8171.22

Rate for 1 sq.m. 817.15

- 19 **Supplying and erecting centering for sides and soffits** including necessary supports and strutting upto 3.29 M height for plane surfaces as detailed below in all floors with all cross bracings using Mild Steel sheets of size 90 x 60 cm and 10 BG stiffened with welded Mild Steel angle of size 25mm x 25mm x 3 mm for boarding laid over silver oak joists of size 10cm x 6.50 cm spaced at about 90 cm centre to centre and supported by casurina props of 10cm to 13 cm dia spaced at not more than 75 cm centre to centre etc. complete complying with the standard specification. (Payment for centering shall be given after the concrete is laid) for plane surfaces such as RCC floor slab, roof slab, beams, lintels, bed blocks, landing slab, waist slab, portico slabs and beams, etc.

Sub Data: 1

Cost of MS sheets and angles for each set:

Weight of MS sheets 10 gauge of size 90cm x 60cm x
 $3.175 \times 7850 / 1000 \times 0.54 = 13.46$ Kg

Weight of MS angles of size 25cm x 25mm x 3mm:
 $3.6 \times 1.1 \text{ kg / m} = 4.00$ Kg

3.46	Kg	Cost of MS sheets	53.00	Kg	183.38
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Sl. No.	Qty.	Unit	Description	Rate in rupees	Per	Amount in rupees
	4.00	Kg	Cost of MS angles	53.00	Kg	212.00
						395.38
	LS		Add for cutting, bending, welding charges etc.		LS	39.54
			Total for one set (A)			434.92
			Sub Data: 2			
			Cost of MS sheets and angles and silver oak joists and			
19.00	Set		Cost of MS sheets and MS angles (as per A)	434.92	Each	8263.44
			Total for 40 uses			8263.44
			Total for 1 use / sq.m. (B)			206.59
0.12	cu.m.		Cost of silver oak joists of size 10cm x 6.5cm	15500.00	cu.m.	1860.00
28.50	RM		Cost of casurina props 10 to 13cm dia.	25.20	RM	718.20
			Total for 5 uses			2578.20
			(Adopting 5 uses for silver oak / country wood joists and			2578.20
			Total for 1 use / sq.m. (C)			515.64
			Main Data for centering for 10 sq.m.			
5.00	sq.m.		Cost of MS sheets and angles (B)	206.59	Each	206.59
5.00	sq.m.		Cost of silver oak joists and casurina props (C)	515.64	cu.m.	515.64
	LS		Add for silver planks		LS	20.63
2.80	Nos.		Carpenter I Class	1287.60	Each	3605.28
4.40	Nos.		Mazdoor I Class	859.20	Each	3780.48
1.00	No		Fitter II Class	1129.20	Each	1129.20
	LS		Add for wedges, coils, nails, etc.,		LS	25.78
	LS		For periodical cleaning and painting of MS sheets &		LS	37.14
			Total for 10 sq.m.			9320.74
			Rate for 1 sq.m. (a)			932.10
b			For plane surfaces such as vertical slab, side slabs of boxing, vertical drops, fascia, vertical wall, etc.			
1.00	sq.m.		Centering for slab, etc., as per (a)	932.10	1 sq.m.	932.10
			Add 10% extra			93.21
						1025.31
			Total for 1 sq.m.			1025.35
c			For plane surfaces such as rectangular or square RCC columns, sunshades, top and bottom slab of RCC boxing, etc.			
1.00	sq.m.		Centering for slab and beams etc., as per (a)	932.10	1 sq.m.	932.10
			Add 20% extra			186.42
						1118.52
			Total for 1 sq.m.			1118.55
d			For circular columns			
1.00	sq.m.		Centering for square columns etc., as per (c)	1118.55	sq.m.	1118.55
			Add 100% extra			1118.55
						2237.10
			Total for 1 sq.m.			2237.10
e			Centering for curved surfaces of all RCC items of work			
1.00	sq.m.		Centering for slabs beams etc., as per (a)	932.10	sq.m.	932.10
			Add 50% extra			466.05
						1398.15
			Total for 1 sq.m.			1398.15
54			Plastering with Cement Mortar 1:5 (One cement and Five Plastering sand), 12mm thick in all floors including curing etc. complete complying with standard specification and as directed by the departmental officers.			
0.14	cu.m.		Cement mortar 1:5	3410.90	cu.m.	477.53

Sl. No.	Qty.	Unit	Description	Rate in rupees	Per	Amount in rupees
	1.10	Nos.	Mason I Class	1317.60	Each	1449.36
	0.50	Nos.	Mazdoor I Class	859.20	Each	429.60
	1.10	Nos.	Mazdoor II Class	704.40	Each	774.84
			Total for 10 sq.m.			3131.33
			Rate for 1 sq.m.			313.15
55	Plastering with Cement Mortar 1:5 (One cement and Five Plastering sand), 20mm thick in all floors including curing etc. complete complying with standard specification and as directed by the departmental officers.					
	0.22	cu.m.	Cement mortar 1:5	3410.90	cu.m.	750.40
	2.20	Nos.	Mason I Class	1317.60	Each	2898.72
	0.50	Nos.	Mazdoor I Class	859.20	Each	429.60
	3.20	Nos.	Mazdoor II Class	704.40	Each	2254.08
			Total for 10 sq.m.			6332.80
			Rate for 1 sq.m.			633.30
56	White washing one coat with freshly burnt white shell lime in all floors including cost of lime, blue powder, fevicol type gum, brushes, scaffolding charges, etc., complete complying with standard specification and as directed by the departmental officers.					
	0.05	cu.m.	Fine screened shell lime	1404.56	cu.m.	70.23
	1.10	Nos.	Mason II Class	1230.00	Each	1353.00
	0.30	Nos.	Mazdoor I Class	859.20	Each	257.76
	1.90	Nos.	Mazdoor II Class	704.40	Each	1338.36
		LS	Gum, conjee water or prickly pear juice including		LS	7.02
			Rate for 100 sq.m.			3026.37
			Rate for 1 sq.m.			30.30
63	White washing two coats with freshly burnt white shell lime in all floors including cost of lime, blue powder fevicol type gum, brushes, scaffolding charges, etc., complete complying with standard specification and as directed.					
	0.07	cu.m.	Fine screened shell lime	1404.56	cu.m.	98.32
	1.60	Nos.	Mason II Class	1230.00	Each	1968.00
	0.50	Nos.	Mazdoor I Class	859.20	Each	429.60
	2.70	Nos.	Mazdoor II Class	704.40	Each	1901.88
		LS	Gum, conjee water or prickly pear juice including necessary firewood and brushes		LS	9.83
			Rate for 100 sq.m.			4407.63
			Rate for 1 sq.m.			44.10
64	Colour washing two coats in all floors using best freshly burnt white shell lime and best quality of approved variety of colouring pigment including cost of lime, colouring pigments, fevicol type gum, brushes, scaffolding charges etc., complete complying with standard specification. Mineral colouring pigments not affected by lime should only be used (stainers and colour solutions should not be used.)					
	For one Coat					
	1.00	sq.m.	Rate as per white washing one coats	30.30	sq.m.	30.30
	1.00	sq.m.	Add 50% etc., for colouring pigment	15.15	sq.m.	15.15
						45.45
			Rate for 1 sq.m.			45.45
	For Two Coat					
	1.00	sq.m.	Rate as per white washing two coats	44.10	sq.m.	44.10
	1.00	sq.m.	Add 50% etc., for colouring pigment	22.05	sq.m.	22.05
						66.15
			Rate for 1 sq.m.			66.15
72	Painting new iron works such as steel doors, windows, ventilators, window bars, balustrades etc., with two coats of best approved first quality and colour of synthetic enamel paint over one coat of red oxide priming coat in all floors including cost of priming coat etc., complete complying with standard specification. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)					
	Two coat with Primer					
	1.00	sq.m.	One coat of red oxide primer	360.00	sq.m.	360.00
	1.00	sq.m.	Finishing two coats of synthetic enamel paint	227.60	sq.m.	227.60
			Rate for 1 sq.m.			587.60

Sl. No.	Qty.	Unit	Description	Rate in rupees	Per	Amount in rupees
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- 73 Supplying and fixing in position of Chain Link 2" x 2" using 10 Gauge Galvanised Iron Wire (of all sizes) including cost and conveyance of all materials at site and labour for fixing including cost of binding wire etc. complete complying with standard specification.

1.00	sq.m.	Cost of Chain Link 2" x 2" using 10 Gauge	160.25	sq.m	160.25
0.01	Qtl	Binding wire	56.35	Kg	0.56
0.10	Nos.	Fitter I Class	952.00	Each	95.20
		Add 20% R F area			19.04
					275.05

Rate for 1 Quintal

275.05

- 74 Refilling with excavated earth other than crushed stone sand with an initial head load of 100 mts. and depositing the earth as shown by the departmental officers in layers of not more than 15 cm thick well rammed, watered and consolidated etc. complete complying with standard specification

1.00	cu.m.	Refilling with earth	42.85	cu.m.	42.85
		Add 20% R F area			8.57

Rate for 1 cu.m.

51.42

LEAD STATEMENT - 2024-2025

Sl. No.	Material	Source of Supply	Distance (Kms)	Unit	Cost	IC	Lead Charges	Loading & Unloading	Total
1	Cement	Bommidi	7	MT	5960.00	0.00	51.52	0.00	6011.52
2	Steel	Bommidi	7	MT	56000.00	0.00	51.52	0.00	56051.52
3	Crushed stone sand (M-SAND)	Madathahalli	17	cu.m.	1338.00	0.00	188.46	0.00	1526.46
4	Crushed stone sand (M-SAND)	Madathahalli	17	cu.m.	1338.00	0.00	188.46	0.00	1526.46
5	Plastering sand (P-Sand)	Madathahalli	17	cu.m.	1343.00	0.00	188.46	0.00	1531.46
6	II Class Table Moulded Chamber Burnt Bricks of size 9" x 4 1/2" x 3"	Gundalpatty (Odasalpatty)	25	1000 Nos.	6795.00	0.00	368.55	0.00	7163.55
7	II Class Table Moulded Chamber Burnt Bricks of size 9" x 4 3/8" x 2 3/4"	Gundalpatty (Odasalpatty)	25	1000 Nos.	6595.00	0.00	368.55	0.00	6963.55
13	HGB 40mm ISS metal	Madathahalli	17	cu.m.	1155.00	0.00	188.46	0.00	1343.46
14	HGB 25mm ISS metal	Madathahalli	17	cu.m.	992.00	0.00	188.46	0.00	1180.46
15	HGB 20mm ISS metal	Madathahalli	17	cu.m.	1608.00	0.00	188.46	0.00	1796.46
16	HGB 12mm ISS metal	Madathahalli	17	cu.m.	1492.00	0.00	188.46	0.00	1680.46
17	HGB 10mm ISS metal	Madathahalli	17	cu.m.	1097.00	0.00	188.46	0.00	1285.46
18	HGB 10-12mm ISS metal	Madathahalli	17	cu.m.	961.00	0.00	188.46	0.00	1149.46
21	Brick jelly 40mm	Gundalpatty (Odasalpatty)	25	cu.m.	705.00	0.00	179.85	0.00	884.85
22	Brick jelly 20mm	Gundalpatty (Odasalpatty)	25	cu.m.	786.00	0.00	179.85	0.00	965.85
23	Shell lime	Bommidi	7	cu.m.	1348.00	0.00	56.56	0.00	1404.56
24	Slacked lime for mortor	Bommidi	7	cu.m.	993.00	0.00	56.56	0.00	1049.56
25	Pressed tiles 20 x 20 x 2cm	Bommidi	7	1000 Nos.	11356.00	0.00	92.82	0.00	11448.82
26	Pressed tiles 23 x 23 x 2cm	Bommidi	7	1000 Nos.	16106.00	0.00	92.82	0.00	16198.82


Sl. No.	Material	Source of Supply	Distance (Kms)	Unit	Cost	IC	Lead Charges	Loading & Unloading	Total
27	Gravel	Madathahalli	17	cu.m.	222.70	0.00	188.46	0.00	411.16
28	Rough Stone	Madathahalli	17	cu.m.	449.40	0.00	188.46	0.00	637.86
29	Bond Stone	Madathahalli	17	cu.m.	648.40	0.00	188.46	0.00	836.86
30	Stone dust	Madathahalli	17	cu.m.	123.70	0.00	188.46	0.00	312.16


Note: Certificate shall be issued to the effect that the lead particulars furnished above are correct to the best of his knowledge and belief and the rates adopted are based on the current Schedule of Rates for the year 2024-2025.

**Name of Work : Digging of Bore well work in Kavaramalai Extension RF of Morappur Range,
Dharmapuri Forest Division under CAMPA Scheme, during 2024 - 2025**

DETAILED & ABSTRACT ESTIMATE

Sl. No.	Qty	Description of work	Rate Per	Amount (Rs.)
1	18.00 m	Drilling of 150 mm dia borewell in the hard rock area to the required depth (Rate as approved by the TWAD Board). a) Over burden soil portion	275.00 /m	
		Rate for 1m	275.00	4,950.00
	286.80 m	b) Hard rock area	295.00 /m	
		Rate for 1m	295.00	84,606.00
2	18 m	Supply and erection of 165 mm dia PVC Casing pipe as per IS12818 / 2010 including labour charges for installation with all accessories etc., 1) The above rates are basic rates inclusive of transportation charges to site any where in Tamilnadu. 2) GST extra applicable as per GO	618.00 /m. (As per TWAD board SOR 2021-2022, page No.22, Item No. 1.1 (1))	11,124.00
3	1.00 m	Bore cap using M.S. Flat of size 1 cm x 3 mm and M.S. sheet on top with bolting arrangements for securing the cap in position (Bore caps with M.S. Couplings need not be made)	526.20 /m (As per TWAD board SOR 2021-2022, page No.27B, Item No. 1(b))	526.00
4	304.80 m	Supplying and fixing of 32mm UPVC pipe of 80 kg / Sq.cm. for outlet to the borewell including cost and conveyance of material and labour charges for installation with all accessories etc.,	334.45 /m	1,01,940.00
		Sub total		2,03,146.00
		Provision for GST 18%	LS	36,566.00
		Provision for Labour Welfare fund 1%	LS	2,031.00
		Contingencies of Photographic with Documentation Charges etc..	LS	3,257.00
		Total		2,45,000.00
		Escalation 10% of 2025 - 2026		24,500.00
		Grand Total		2,69,500.00


 District Forest Officer,
 Dharmapuri Forest Division,
 Dharmapuri.


 21/01/2025

**Providing of Drip Irrigation System for Planted Seedling at Kavaramalai Beat, Kavaramalai
Extensiom RF of Morappur Range, Dharmapuri Forest Division under CAMPA Scheme, During
2024-2025**

ABSTRACT ESTIMATE

Sl. No	Qty	Description of work	Rate	Rate /Unit	Total
1	1200.00	Supplying and fixing of 75 mm Pipe.	130.40	PWD SSR 24-25	1,56,480.00
2	2400.00	Supplying and fixing of 63 mm Pipe.	93.75	PWD SSR 24-25	2,25,000.00
3	52000.00	Supplying and fixing of 16 mm lateral pipe Class 2, 2.5kg/cm2.	9.30	No (LR)	4,83,600.00
4	100.00	Supplying and fixing of 63 mm Valve.	360.00	No (LR)	36,000.00
5	100.00	Supplying and fixing of 75 mm Valve.	980.00	No (LR)	98,000.00
ORDER VALUE					9,99,080.00
6	5900.00	Supplying and fixing of 16 mm Start	2.70	No (LR)	15,930.00
7	5900.00	Supplying and fixing of 16 mm Start	2.30	No (LR)	13,570.00
8	5900.00	Supplying and fixing of 16 mm Joiner	2.60	No (LR)	15,340.00
9	5900.00	Supplying and fixing of 16 mm End Cap	2.80	No (LR)	16,520.00
10	1900.00	Supplying and fixing of 63 mm TEE	3.70	No (LR)	7,030.00
11	160.00	Supplying and fixing of 63 mm Flush Valve	175.00	No (LR)	28,000.00
12	110.00	Supplying and fixing of 75 mm ELBOW	75.90	PWD SSR 24-25	8,349.00
13	310.00	Supplying and fixing of 63 mm ELBOW	86.00	No (LR)	26,660.00
14	110.00	Supplying and fixing of 75 mm TEE	97.30	PWD SSR 24-25	10,703.00
15	180.00	Supplying and fixing of 63 mm TEE	86.00	No (LR)	15,480.00
16	40.00	Supplying and fixing of 75 x 63 mm PVC Reducer	62.10	PWD SSR 24-25	2,484.00
17	40.00	Supplying and fixing of Solvent of jointed in PVC pipes (1/2 litre)	36.00	PWD SSR 24-25	1,440.00
		Total Fittings Value			161506.00
		Installation (4800 / Acre)			318384.00
		Transportation Charges			35000.00
		Earth work (JCB) 280 hr (1 hr / 909.227)			254584.00
		Total Value			1768554.00
		Provision for GST 18%			318340.00
		Conigencies of photographic with documentation charges etc..			9106.00
		Total			2096000.00
		Escelation 10% of 2025-2026			209600.00
		Grand Total			2305600.00

**Providing of Drip Irrigation System for Planted Seedling at Kavaramalai Beat, Kavaramalai
Extensiom RF of Morappur Range, Dharmapuri Forest Division under CAMPA Scheme, During
2024-2025**

DETAILED ESTIMATE

Sl.No	Description	Unit	Nos	L	B	D	Qty
1	Supplying and fixing of 75 mm Pipe.						
	75 mm Pipe	m	1	1	1200.00		1200.00
	Total in m						1200.00
2	Supplying and fixing of 63 mm Pipe.						
	63 mm Pipe		1	1	2400.00		2400.00
	Total in m						2400.00
3	Supplying and fixing of 16 mm lateral pipe Class 2, 2.5kg/cm2.						
	16 mm lateral pipe Class 2		1	1	52000.00		52000.00
							52000.00
	Total in m						52000.00
4	Supplying and fixing of 63 mm Valve.						
	63 mm Valve		1	1	100.00		100.00
	Total in No						100.00
5	Supplying and fixing of 75 mm Valve.						
	75 mm Valve		1	1	100.00		100.00
	Total in No						100.00
6	Supplying and fixing of 16 mm Start						
	16 mm Start		1	1	5900.00		5900.00
	Total in No						5900.00
7	Supplying and fixing of 16 mm Start						
	16 mm Washer		1	1	5900.00		5900.00
	Total in No						5900.00
8	Supplying and fixing of 16 mm Joiner						
	16 mm Joiner		1	1	5900.00		5900.00
	Total in No						5900.00
9	Supplying and fixing of 16 mm End Cap						
	16 mm End Cap		1	1	5900.00		5900.00
	Total in No						5900.00
10	Supplying and fixing of 63 mm TEE						
	63 mm TEE		1	1	1900.00		1900.00
	Total in No						1900.00
11	Supplying and fixing of 63 mm Flush Valve						
	63 mm Flush Valve		1	1	160.00		160.00
	Total in No						160.00
12	Supplying and fixing of 75 mm ELBOW						
	75 mm ELBOW		1	1	110.00		110.00
	Total in Rm						110.00
13	Supplying and fixing of 63 mm ELBOW						
	63 mm ELBOW		1	1	310.00		310.00
	Total in No						310.00
14	Supplying and fixing of 75 mm TEE						

	75 mm TEE		1	1	110.00			110.00
	Total in No							110.00
15	Supplying and fixing of 63 mm TEE							
	63 mm TEE		1	1	180.00			180.00
	Total in No							180.00
16	Supplying and fixing of 75 x 63 mm PVC Reducer							
	75 x 63 mm PVC Reducer		1	1	40.00			40.00
	Total in No							40.00
17	Supplying and fixing of Solvent of jointed in PVC pipes							
	Solvent 1/2 litre		1	1	40.00			40.00
	Total in No							40.00