#### TAMILNADU FOREST DEPARTMENT

From

To

Thiru. J.R. Samartha, I.F.S.,

M/s. Reliance Jio Infocomm Ltd,

District Forest officer,

No.89, Dr. Radhakrishnan Salai,

Theni Forest Division,

Maylapore, Chennai - 4.

Theni.

C.No. 10649/2019/D dated 11/11/2022

Sir,

Sub:-

Forests – Forest (Conservation) Act, 1980 – Madurai Circle – For laying underground Optical Fiber cable along the road side across Paramasivankovilkaradu RL (0.365km) and Valkaradu RF (0.373 Theni Taluk, Theni District to a distance of 0.738 km for providing 4G wireless Broadband - Stage I Approval - Revised Demand Notice for 100 Nos of Plants as CA - Regarding.

Ref:-

- 1) Government of India, Ministry of Environment, Forests and Climate Change, Chennai, F.No. 4-TNB 079/2022-CHN/221 dated 24.02.2022.
- 2) The Principal Chief Conservator of Forests, (HoD), Chennai C.No. TS4/37431/2019 dt. 30/09/2022
- 3) The Principal Chief Conservator of Forests, (HoD), Chennai, C.No. TS4/22483/2022 dated 13.10.2022
- 4) Conservator of Forests & Field Director, SMTR, Madurai C.No. D1/6361/2020 dated 04.05.2022
- 5) District Forest Officer, Theni Forest Division, Theni C.No. 10649/2019/D dated 29.08.2022

With reference to the above subject and references 3rd cited, the User Agency is hereby instructed to pay the amount of Rs. 3,70,000/- (Rupees Three Lakhs Seventy Thousand Only) for plantation of 100 Nos. of trees and maintenance for a period of 10 years as per the condition No. (iv) in Government letter 1st cited.

The breakup details for the above compensation Afforestation of Rs. 3,70,000/- is enclosed herewith.

This is for favour of kind information.

As Above

Yours faithfully, Sd/-I.R. Samartha, District Forest Officer. Theni Forest Division, Theni.

/t.c.b.o./

Superintendent 1/2/11/2012



#### Work schedule

Raising nursery for native tree species with 10 yr maintenance for Compensatory afforestation of 100 Nos in Degraded Forest area in Paramasivan Kovil RL for the proposal for diversion of 0.022 ha of forest land for laying of underground optical fiber cable along road side across Paramasivankoil Karadu RL and Valkaradu RF in Theni Forest Division during 2023-2024 under State CAMPA scheme

SI. No.	Description of Work	Period of work
1	2	6
. 1	Raising nursery - 100 Nos	June 2023 to February 2024
2	Planting operation including brush wood fencing around each plants	March 2024 to August 2024
3	1st year Maintenance	September 2024 to March 2025
4	2nd year Maintenance	September 2025 to March 2026
5	3rd year Maintenance	September 2026 to March 2027
6	4 <sup>th</sup> year Maintenance	September 2027 to March 2028
7	5 <sup>th</sup> year Maintenance	September 2028 to March 2029
8	6 <sup>th</sup> year Maintenance	September 2029 to March 2030
9	7 <sup>th</sup> year Maintenance	September 2030 to March 2031
10	8 <sup>th</sup> year Maintenance	September 2031 to March 2032
11	9 <sup>th</sup> year Maintenance	September 2032 to March 2033
12	10 <sup>th</sup> year Maintenance	September 2033 to March 2034

COUNTER SIGNED

District Forest Officer
Theni Forest Division

Theni

Forest Range Officer, Theni Range.

# Abstract Model estimate for Raising Compensatory afforestation for the proposal for diversion of 0.022 ha of forest land for laying of underground optical fiber cable along road side across Paramasivankoil Karadu RL and Valkaradu RF in Theni Forest Division during 2023-2024 under State CAMPA scheme

No. of seedlings:

100 Nos.

For 10% casualty replacement:

10 Nos.

TOTAL

110 Nos

SI. No.	Description of Work	Proposed estimate cost in Rupees	Remarks
1	2	3	4
1	Raising nursery - 110 Nos	33000	10% Weightage towards escalation of labour wage rate during 2023-24
2	Planting operation - 100 seedlings	242956	20% Weightage towards escalation of labour wage rate during 2024-25
3	1 <sup>st</sup> year Maintenance	30000	30% Weightage towards escalation of labour wage rate during 2025-26
4	2 <sup>nd</sup> year Maintenance	25000	40% Weightage towards escalation of labour wage rate during 2026-27
3	3 <sup>rd</sup> year Maintenance	23000	50% Weightage towards escalation of labour wage rate during 2027-28
6	4 <sup>th</sup> year Maintenance	1691	60% Weightage towards escalation of labour wage rate during 2028-29
7	5 <sup>th</sup> year Maintenance	1860	70% Weightage towards escalation of labour wage rate during 2029-30
8	6 <sup>th</sup> year Maintenance	2046	80% Weightage towards escalation of labour wage rate during 2030-31
9	7 <sup>th</sup> year Maintenance	2251	90% Weightage towards escalation of labour wage rate during 2031-32
10	8 <sup>th</sup> year Maintenance	2476	100% Weightage towards escalation of labour wage rate during 2032-33
11	9 <sup>th</sup> year Maintenance	2724	110% Weightage towards escalation of labour wage rate during 2033-34
12	10 <sup>th</sup> year Maintenance	2996	120% Weightage towards escalation of labour wage rate during 2034-35
	TOTAL	370000	

Three Lakhs Seventy Thousand Only

COUNTER SIGNED

District Forest Officer
Theni Forest Division
Theni

Forest Range Officer, Theni Range.

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

**Total Area** 

0.10 Ha

Size of Polybags = 13 x 25 x 250g

Seedlings per ha =

1000 Nos/ Ha

Transplanting Size of Polybags = 30 x 45 x

600g

No of Seedlings =

100

Proposed Espacement = Gap planting

10% Casuality

10

Species proposed for planting

Total

= 110

Native species like Vembu, Velvel, Nelli, Naval, Vengai, Red Sanders,

Iluppai etc.,

Wage rate 2022-2023 = Rs.

475.75

(Minimum Rates of wages for the year 2022-23 for Theni Forest Range)

SL. No	Qty	Unit	Name of Work	FSR / SSR	FSL	Rate		Per	Amount
PAR	TI-Sm	all size	bags <i>13X25 cm.</i>						
1	12	M²	Preparation of Nursery site by clearing and levelling the site for forming standard bed of size 10mX1m (110M2/1000 Nos)	4.1	2.42	1151.32	200	No	69
2	0.22	Kg	Cost of seeds (2kgs/ 1000 Nos)	LR		250.00	1	No	55
3	110	Nos.	Cost of 13x25cmx250G Polythene bags	Tender rate		944.00	1000	No	104
4	0.00	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	0
5	1.00	Bed	Watering the germination beds twice daily with rose cans for 15 days	4.5.1	0.82	390.12	10	Beds / day	585
6	1.00	Bed	Watering the germination beds once daily with rose cans for 15 days	4.5.2	0.41	195.06	10	Beds / day	293
7	0.09	Cu.m	Collection & supply of sand, silt and red soil according to the requirement for preparation of soil mixure - 3/4th of the total volume (0.84 M3/1000 Nos)	LR		750.00	1	Cu.m	68
8	0.03	Cu.m	Cost and transport of Farm yard manure for filling bags - 1/4th of the total volume. (0.28 M3/1000 Nos)	LR		750.00	1	Cu.m	23
9	110	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 seedings (excluding cost of soil mixure and FYM)	4.6.4	4.48	2131.36	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		10.00	1	Kg	30
11	1	Kgs.	Cost of VAM @ 10 gram per seedlings	Wing Rate		18.00	1	Kg	18
12	1	Kg	Cost of Azospirilum @ 5 gram per seedlings	As per Research		27.00	1	Kg	27
13	.1	Kg	Cost of Phosphobacteria @ 5 gram per seedling	Wing Rate	- -	27.00	1	Kg	27
14			Watering the container plants with rose cans -						
а	110	Nos.	Twice daily - 15 days	4.10.4	0.23	109.42			181
b	110	Nos.	Once daily - 30 days		0.115	54.71	1000	Day	181
С	110	Nos.	Alternate days spread over 30 days (Effective days-15)	4.11.4	0.115	54.71	1000	Бау	90
15	110	Nos.	cost of water for watering the container seedings - 60 watering days	4.18 - FSR 1998-99		0.85	1000	day	4
16	110	Nos.	Land rent @ 3000 bags/40 sg.m) - 3				40 sq.m/m	sa m/mo	
	1.467	M2/ 3 months	Land rent @ 3000 bags/40 sq.m) - 3  Months	4.17	LR	86.00	40	nth	9
17	110	Nos.	Shifting the container plants, weeding, grading and replacement of casualities 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
			SUB - TOTAL (A	)					2051
'AR	ΓΙΙ - Big	gger size	bags: 30x45cmx600g.					\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
8	110	Nos.	Cost of 30 X 45cm X 600 G Polythene bags	Tender rate		9263.00	1000	No	1019
19	1.02	МЗ	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)	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	М3	188

SL. No	Qty	Unit	Name of Work	FSR / SSR	FSL	Rate		Per	Amount
21	110	Nos.	Preparation of soil mixture by breaking clods, seiving, mixing red soil, silt, and sand according to requirement and farm yard manure in the ratio of 4:1, heaping at the fillingsite and filling in poly bags, arranging bags in beds and pricking out the seedings (excluding cost of soil mixure 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		10.00	1	Kg	40
23	2	Kgs.	Cost of VAM @ 15 gram per seedlings	Wing Rate		18.00	1	Kg	36
24	1	Kg	Cost of Azospirilum @ 6 gram per seedlings	As per Research		27.00	1	Kg	27
25	1	Kg	Cost of Phosphobacteria @ 6 gram per seedling	Wing Rate		27.00	1	Kg	27
26	1	Mazdoo rs	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 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Rm	4813
28	55	Nos.	Cost of horizondal 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/	88
30	110	Nos.	Pruning side branches once in 2 months - 2 times	ME	<u></u>	1.00		time	220
31			Watering the container plants with rose cans						
а	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
С	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.				sa.m/ma	sa m/mo		
	8.8	m2/7 months	Land rent @ 500 bags/40 sq.m)	4.17	LR	86.00	40	l0 sq.m/mo nth	132

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 casualities 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 seedings - 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)						202		
37	5	Months	Provision for cost of pesticides and fungasides and Labour charges for application of pesticides - 2 times / month	L.R	1	500	1	times	2500		
39	L	.S	Photo & Documentation etc.,			L.S			2000		
39	L	.S	Contingencies unforseen items			L.S			2345		
SUB - TOTAL (B)											
Add 10% of escalation of (A+B) - C											
	TOTAL (A + B + C)										

Raising cost for 110 seedlings = 33000

cost for 1 seedlings = Rs

300.00

per seedling

Forest Range Officer,
Theni Range, Theni.

300.00

Specifications:

1) 100 No. of seedlings has been proposed for planting based on the Government of India Letter F.No.4-TNB 079/2022-CHN/221 dated 24.02.2022, Hence 100 nos of seedlings has been proposed 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.

COUNTER SIGNED

District Forest Officer
Theni Forest Division

Theni

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# Model estimate for planting of native tree species for Compensatory afforestation of 100 Nos in degraded forest area during 2023-2024 under State CAMPA scheme

No of seedlings = 100 10% Casuality = 10

Total

= 110

Size of Polybags = 30 x 45 x 600g

Wage rate = Rs.

475.75

2022-2023

TOta									
SI. 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	100	No.	Cost & transport of Farmyard mannure each plants 0.60x0.60x0.20=0.072m3/pit	Lowest		750.00	1	M3	5400
	7	M3	Plants 0.00x0.00x0.20=0.072m3/pit	quotation					
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. 3. <del>7</del> .	7.70	<b>1</b>	No	770
6	110		Transporting saplings (transported to the radious 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						
а	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
С	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	250	RM	Provision of vertical casurina poles 5cm to 8cm 2.50mtr ht. per plant	PWD SSR		17.50	1	RM	4375
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

SI. No	Qty		Description of work	F.S.R. No.	FSL (Man davs)	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	30000	Ltrs	Cost of water @ 20 liter per seedlings 15 waterig days (100x20x15=30000 Lts)	NHAI ME		1200.00	12000	Lts	3000
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	Mon ths	Provision for cost of pesticides and fungasides and Labour charges for application of pesticides - 2 times / month	L.R	1	200	1	time s	2000
20	100	Nº.	Supply and installation of Tree Guard Mesh	L.R		700	1	Nº.	70000
21	L.S		Photo & Documentation etc.,			LS			2000
22	LS		Contingencies and unforseen expenditure to be restricted to as per actuals.			LS			1520
							T	OTAL	202463
						Add 20%			40493
		1.00					Total pr	orata	242956

Specifications:

1) 100 No. of seedlings has been proposed for planting based on the Government of India Letter F.No.4-TNB 079/2022-CHN/221 dated 24.02.2022, Hence 100 nos of seedlings has been proposed 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.

COUNTER SIGNED

District Forest Officer Theni Forest Division Theni Forest Range Officer, Theni Range, Theni.

# Model estimate for 1st year maintenance of CA plantation during 2022-2023 under CAMPA scheme

No of seedlings

planted

100

No of Seedlings for

casulty replacement 10

Size of Polybags = 30 x 45 x 600g

=

(10% replacement)

Wage rate = Rs. 475.75

SI. No	Qt	y	Description of work	F.S.R. No.	FSL (Man days)	Rate Rs.	Per		Amount
	A. NURS	ERY C	PERATION						
1	10	No	Raising cost of seedlings in 30x45 size polythene bags (As per nursery estimate)	As per nursery estimate		300.00	<b>1</b>	No	3002
							TOT	AL (A)	3002
	B. PLAN	TING (	OPERATION .						
1.	10	No	Cost & transport of Farm yard manure each plants	Lowest		750.00	1	m3	540
	1	М3	0.60x0.60x0.20=0.072m3/pit						
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 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 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						
а	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
С	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

SI. No	Qty		Description of work	F.S.R. No.	FSL (Man days)	Rate Rs.	Per		Amoun
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	- 1	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	LS		Contingencies and unforseen expenditure to be restricted to as per actuals.			LS			4590
							TOT	AL (B)	20075
			TO	TAL (A+B)	prorata	for 1st year	ar maite	nance	23077
A. J.				Δ	dd 30%	of escalation	on for 2n	d year	6923
	Total prorata								30000

#### 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.

COUNTER SIGNED

District Forest Officer Theni Forest Division Theni

Forest Range Officer,

Theni Range, Theni.

## Model estimate for 2nd year maintenance of CA plantation during 2022-2023 under CAMPA scheme

No of Seedlings =

100

Survival 100%

= 100

Wage rate = Rs.

475.75

2022-2023

SI. 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 (100x20x30=3000000 Lts)	NHAI ME	<u>-</u>	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	LS		Contingencies and unforseen expenditure to be restricted to as per actuals.			LS			3366
							Total pr		17857
							% of esca		7143
	Total prorata 2nd year maintenance 250								

#### 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.

COUNTER SIGNED

District Forest Officer Theni Forest Division

- Theni



## Model estimate for 3rd year maintenance of CA plantation during 2022-2023 under CAMPA scheme

No of Seedlings = 100 Survival 100% = 100

Wage rate = Rs. 475.75

2022-2023

			불리하는 경기로 회교 시간 회사 (1981년 1982년 <u>) 1</u>			202	22-2023		
SI. No	Qty		Description of work	F.S.R. No.	FSL (Man days)	Rate Rs.	Per		Amoun
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	- 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3	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	LS		Contingencies and unforseen expenditure to be restricted to as per actuals.			LS			842
							Total pr	orata	15333
						Add 50°	% of esca	alation	7667
Total prorata 3rd year maintenance							mainte	nance	23000

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.

COUNTER SIGNED

District Forest Officer Theni Forest Division

Theni

2 A TOOL

√√√√√ Forest Range Officer,
Theni Range, Theni.



## Model estimate for 4th year maintenance of CA plantation during 2022-2023 under CAMPA scheme

No of Seedlings = 100 Survival 100% 100

Wage rate = Rs.

475.75

2022-2023

			202						
Amount		Per	Rate Rs.	FSL (Man days)	F.S.R. No.	Description of work	у	Qt	SI. No
585	Nos	100	585.17	1.23	5.24	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	Nos	100	1
472	LS					Contingencies and unforseen expenditure to be restricted to as per actuals.	LS		2
1057	Total prorata								
634	Add 60% of escalation								
1691	Total prorata 4th year maintenance								
169	Add 10% of escalation for 5th year								
1860	Total prorata for 5th year maintenance								
	Add 10% of escalation for 6th year								
	Total prorata for 6th year maintenance								
	Add 10% of escalation for 7th year								
	Total prorata for 7th year maintenance								
225	Add 10% of escalation for 8th year								
2476	Total prorata for 8th year maintenance								
248	Add 10% of escalation for 9th year								
2724	Total prorata for 9th year maintenance								
272	Add 10% of escalation for 10th year								
2996	nance	mainter	0th year	ta for 1	Total prora				

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.

Forest Range Officer,
Theni Forest Division, Theni.

District Forest Officer
Theni Forest Division

Satura Million