ABSTRACT PROPOSAL FOR COMPENSATORY AFFORESTATION FOR COMPENSATION AFFORESTATION (3.316 Ha.) FOR PROPOSAL FOR DIVERSION OF 1.658 HA OF FOREST LAND FOR THE IMPROVEMENT WORK OF THENI BYE-PASS ROAD CONNECTING DINDIGUL – THENI ROAD AND MADURAI – COCHIN ROAD ACROSS VALKARADU RESERVED FOREST IN THENI FOREST DIVISION.

Sl.No	Description of Work	Proposed Cost Estimate	Remarks
1	2	3	4
1	Raising Nursery	385000	
sortel b	apitalong abrished country	ow #91	
	TOTAL	385000	
2	Planting operation	2684681	X RECEIVED TRAY ING. U.S.
	Contingency	319	
/(2) FB1 F	TOTAL	2685000	JATES
3	1st year Maintenance	277392	11 Pthy year testments
	Contingency	608	Continue
ndit)	TOTAL	278000	10% weightage towards esclation of labou wage rate during 2024-25
4	2nd year Maintenance	141514	
	Contingency	486	
	TOTAL	142000	10% weightage towards esclation of labou wage rate during 2025-26
5	3rd year Maintenance	147000	JATOT
	Contingency	1000	VATOR GRAED:
	TOTAL	148000	10% weightage towards esclation of labour wage rate during 2026-27
6	4th year Maintenance	161700	Reiside cert for Liva VI allery societas, is d
	Contingency	300	
	TOTAL	162000	10% weightage towards esclation of labour wage rate during 2027-28
7	5th year Maintenance	177870	
	Contingency	130	
	TOTAL	178000	10% weightage towards esclation of labour wage rate during 2028-29

Sl.No	Description of Work	Proposed Cost Estimate	Remarks
8	6th year Maintenance	195657	
	Contingency	343	
	TOTAL	196000	10% weightage towards esclation of labour wage rate during 2029-30
9	7th year Maintenance	215223	an are all principle &
	Contingency	777	
	TOTAL	216000	10% weightage towards esclation of labour wage rate during 2030-31
10	8th year Maintenance	236745	Z Plantlik marska
•	Contingency	255	
	TOTAL	237000	10% weightage towards esclation of labour wage rate during 2031-32
11	9th year Maintenance	260419	year Malairana.c
	Contingency	581	Contagency
	TOTAL	261000	10% weightage towards esclation of labour wage rate during 2032-33
12	10th year Maintenance	286461	- Zun yng marrien e
nds/1	Contingency	539	LAYOT 4
	TOTAL	287000	10% weightage towards esclation of labour wage rate during 2033-34
ascer cody so o una design	GRAND TOTAL	5175000	Caethgeach

Raising cost for 3316 Nos (Taller) seedlings including 10 year maintenance = Rs.51,75,000/-

Raising cost for 1 No (Taller) seedlings including 10 year maintenance = Rs.1560.62/-

District Forest Officer, Theni Forest Division, Theni.

26/5/2022

# WORK SCHEDULE FOR FOR COMPENSATORY AFFORESTATION COMPENSATION AFFORESTATION (3.316 Ha.) FOR PROPOSAL FOR DIVERSION OF 1.658 HA OF FOREST LAND FOR THE IMPROVEMENT WORK OF THENI BYE-PASS ROAD CONNECTING DINDIGUL – THENI ROAD AND MADURAI – COCHIN ROAD ACROSS VALKARADU RESERVED FOREST IN THENI FOREST DIVISION.

Sl. No	Description of Work	Period of Work
1	2	3
1	Raising Nursery	Jun 2023 to Oct 2023
2	Planting operation	November 2023 to December 2023
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	4th year Maintenance	September 2027 to March 2028
7	5th year Maintenance	September 2028 to March 2029
8	6th year Maintenance	September 2029 to March 2030
9	7th year Maintenance	September 2030 to March 2031
10	8th year Maintenance	September 2031 to March 2032
11	9th year Maintenance	September 2032 to March 2033
12	10th year Maintenance	September 2033 to March 2034

26 Store

### ESTIMATE FOR RAISING MISCELLANEOUS NURSERY FOR COMPENSATION AFFORESTATION (3.316 Ha.) FOR PROPOSAL FOR DIVERSION OF 1.658 HA OF FOREST LAND FOR THE IMPROVEMENT WORK OF THENI BYE-PASS ROAD CONNECTING DINDIGUL – THENI ROAD AND MADURAI – COCHIN ROAD ACROSS VALKARADU RESERVED FOREST IN THENI FOREST DIVISION.

Size of Bags30 x 45 CM№. of Seedlings3316Wage Rate as per FSR Rs.475.75Casuality 10%332Name of species to be plantedTotal seedlings3648

Naval, Bamboo, Malai Vembu, Pungan,, Thony

S. Nº.	Quar	ntity	Description of work	FSR Item No.	Rate	Per	Amount (Rs.)
			PART-I- SMALL SIZE BAGS 13x2	25 CM	And a source of the source of		
1	547.20	M <sup>2</sup>	Preparation of nusery site by clearing and levelling the site for forming standard bed of size 10 m X 1m	4.1 2022-23	1151.32	200 M²	3150
2	7.30	Kgs.	Cost of seeds	Local Rate	250.00	1 Kg	1825
3	3648	Nos.	Cost of 13 x 25 x 250 G Poly bags including GST	2018-19 Tender Rate	1062.00	1000 Nos.	3874
4	1	Beds	Forming of germination bed of size 10 m X 1 m X 30 cm by heaping the soil	MTP Model Estimate 2013-14	41.85	1 Each	42
5	1	Beds	Watering the germination beds twice daily with rosecan - 15	4.5.1	390.12	10 beds	585
3	15	days	days.	2022-23	ko ej da pa ejako mis	1 day	5,6
6	1	Beds	Watering the germination beds	4.5.2	195.06	10 beds	293
0	15	days	once daily with rosecan - 30 days.	2022-23		1 day	
7	3648	Nos.	Collection and supply of sand, silt and red soil according to the	MTP Model	750.00	1 M <sup>3</sup>	732
,	0.976	requirement for preparation of 2013-14		Estimate 2013-14	And waits	official Criminal	
8	3648	Nos.	Collection and supply of	MTP Model Estimate 2013-14	750.00	1 M <sup>3</sup>	746
U	0.995	M <sup>3</sup>	farmyard manure for filling bags			to i	

S. Nº.	Quar	ntity	Description of work	FSR Item No.	Rate	Per	Amount (Rs.)
9	3648	Nos.	Preparation of soil mixture by breaking clods. seiving and mixing of fertile earth and farmyard manure, and filling in polythene bags arranging bags in beds and pricking out the seedlings	1	2131.36	1000 Nos.	7775
10	uita El	199	Watering the container plants with rose cane	stre- in d Er 20 kg 356	eilphreedf Essbezula		
	3648	Nos.	Watering twice daily	4.10.4	109.72	1000 Nos.	6004
a)	15	days		2022-23		1 Day	
	3648	Nos.	Once daily	4.11.4	54.71	1000 Nos.	5987
b)	30	days		2022-23		1 Day	
192	3648	Nos.	Alternate days	4.11.4	54.71	1000 Nos.	13572
c)	68	days	(136 Days))	2022-23		1 Day	
11	3648	Nos.	Shifting the container plants, weeding, grading and replacement of casualities in the	4.15.4	242.63	1000 Nos.	1770
	2	Shifts	bags- shifting to be done once in 21 days	2022-23	242.03	1 Shift	1770
12	2	Nos	Forming temporary shade pandals @ 10 M x 1 M including collection of Grass materials etc.,	4.9 2022-23	475.75	1 Nos.	952
		uoli () i	PART-II BIGGER SIZE BAGS 30	anun / Ausa Spenii			
13	3648	Nos.	Cost of polythene bags of size 30 X 45 X 600 G Poly bags	Tender Rate	6549.00	1000 Nos.	23891
14	1.02	M <sup>3</sup>	Collection and supply of sand, silt and red soil according to the requirement for preparation of soil mixture- 1/4th of the total volume (excluding the volume of earth in 13 x 25 cm containers)	MTP Model Estimate 2013-14	750.00	1 M <sup>3</sup>	765
15	0.25	M <sup>3</sup>	Cost and transport of Farmyard manure for filling bags 1/5th of the total volume		750.00	1 M³	188

S. Nº.	Quar	ntity	Description of work	FSR Item No.	Rate	Per	Amount (Rs.)			
16	3648	Nos.	Preparation of soil mixture by breaking clods. seiving and mixing of fertile earth (including red soil, silt and sand etc., according to requirements) and farmyard manure, and filling in polythene bags arranging bags in beds and pricking out the seedlings (excluding cost of earth and farmyard manure)	4.6.7 2022-23	13592.18	1000 Nos.	49584			
17	364.80	Kgs.	Cost of vermicasting @ 100gm / container	Research rate			10.00	1 Kg	3648	
18	164.16	Kgs.	Cost of VAM @ 45 gm / container		18.00	1 Kg	2955			
19	36.48	Kgs.	Cost of Bio-fertilizers such as Azosphirillum and Phosphobacteria @ 6gm / container		27.00	1 Kg	985			
20	36.48	Kgs.	Cost of Bio-fertilizers such as Phosphobacteria @ 6gm each / container		27.00	1 Kg	985			
21	3648	Man Days	Labour cost for transplanting seedlings from 13 x 25 cm container bags into 30 x 45 cm containers	FSR 2022-23	475.75	100 №. Man Day	17355			
22	3648	Nos.	Cost of Vertical stick in the size of 2.50 M per seedlings	MTP Model Estimate 2013-14	10.00	1 №.	36480			
23	3648	Nos.	Cost of horizontal stick seedlings	MTP Model Estimate 2013-14	1.50	1 №.	5472			
24	3648	Nos.	Tying plants to the vertical stick once in a month	MTP Model Estimate	0.50	1 Nos.	3648			
	2	Times	once in a monui	2013-14		1 Time	k =			
25	3648	Nos.	Pruning the side branches of the	MTP Model Estimate	1.00	1 Nos.	7296			
	2	2		2	Times	seedlings once in a month	2013-14		1 Time	

S. Nº.	Quar	itity	Description of work	FSR Item No.	Rate	Per	Amount (Rs.)
26		adv Or	Watering the container plants with rose cans watering regime as per the TAP ME approved by PCCF, Chennai ref. No. J1/57395/2003 dated:12.12.2003			gard her d aster her mare aols 0	- AE : 34
a)	3648	Nos.	Watering twice daily	4.10.7	266.42	1000 Nos.	29157
	30	days		2022-23	7 5-20	1 day	
b) 36	3648	Nos.	Once daily	4.11.7	133.21	1000 Nos.	14579
	. 30	days		2022-23		1 day	
c)	3648	Nos.	Alternate days	4.11.7	133.21	1000 Nos.	36446
	75	days		2022-23	t mildely s	1 day	
27	3648	Nos.	Shiting the container plance once in 21 days- first shift after	4.15.7	1279.77	1000 Nos.	28012
27	6	Times	45 days from the date of transplanting 5 times.	2022-23		1 day	88 103
28	54.72	Nos.	Cost and application of Neem Cake @ 15 Grams per seedlings	Local Rate .	42.00	1 Kgm	2298
29	91.20	Nos.	Cost and application of Peanut Cake @ 25 Grams per seedlings	Local Rate	65.00	1 Kgm	5928
30	3648 181	Nos. Man Days	Wages to Nursery Protection Mazdoor	FSR 2022-23	475.75	20000 Nos. 1 day	1570
	3648		Wages to Nursery Protection	FSR	523.33	20000 Nos.	14318
31	150	Man Days	Mazdoor	2023-24 (escalation)		1 day	
32	1	## T	Erection of Name Board with seedlings details	LS	10 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Ten? Specific	1000
33	LS	apid I-	Application of pesticides, panchakavya, infecticides etc.,	LS	i Bulgesagg Bulgesagg	myre kold 8	1200

S. Nº.	Quantity	Description of work	FSR Item No.	Rate	Per	Amount (Rs.)
34	LS	Contingencies for meetout unforeseen expenses photos, and documentations like journals etc.,	LS	er e		795
		Total cost Rs.				350000
	Ad	ld-10% Escalation for the year 202	3-24			35000
		GRAND TOTAL (Rs.)	Constitution of the second			385000

Rate per seedlings Rs.

105.54

### Specification:

**Rates for Sl. №. 1, 5, 6, 9, 10, 11, 12, 16, 21, 26, 27, 30 and 31** are provided as per approved FSR of Madurai Circle for the year 2022-23

Rates for Sl. №. 2, 28, 29 rate provided for collection of miscellaneous seeds in the average of local rate

**Rates for Sl. №. 4, 22, 23, 24 and 25** are provided as per the Model Estimate approved by the PCCF, Chennai under MTP Scheme during the year 2013-14.

**Rates for Sl. №. 3 and 13 Cost of polythene bags** are provided as per Lowest Tender rate quoted by the Co-operative Societies.

Rates for Sl. No. 7, 8, 14, 15 rate provided for collection and supply of soil, sand, farm yard manure and transportation charges are provided as per the Model Estimate approved by the PCCF, Chennai under MTP Scheme during the year 2013-14 with escalation of the material cost.

**Rates for Sl. №. 32, 33, 34** This item of work was provided for expenditure for taking photos and documentation, and purchase of Gypsum, Insecticides, Pesticides and Panchagavya etc. as per the local market rate.

Since all the items included in this estimate are very essential, and prepared without exceeding the Pro-Rata.

# ESTIMATE FOR PLANTING OF TALLER RIVERINE SEEDLINGS FOR COMPENSATION AFFORESTATION (3.316 Ha.) FOR PROPOSAL FOR DIVERSION OF 1.658 HA OF FOREST LAND FOR THE IMPROVEMENT WORK OF THENI BYE-PASS ROAD CONNECTING DINDIGUL - THENI ROAD AND MADURAI - COCHIN ROAD ACROSS VALKARADU RESERVED FOREST IN THENI FOREST DIVISION.

Species:

Naval, Bamboo, Malai Vembu, Pungan,,

Thony

Nº. of seedlings:

3316 Nos.

Size of poly. Bags: 30x45cm

10% Casualties

332 Nos.

**TOTAL** 

3648 Nos.

S. Nº.	Qt	y	Description of work	FSR Item №.	Rate	Pei		Amount
1	3316	Nº.	Digging of 60 cm <sup>3</sup> pits in hard gravelly soil in tank bed areas during rainy season	1 1	3672.79	100	Nº.	121790
2	1658	Kg	Cost & transport of Poultry Manure @ 500 gm per plant	LR	5000.00	nbusi <sup>1</sup>	MT	8290
			Application of Poultry Manure @500 gm per plant by mixing in		475.75	1	MD	
3	3316	Nº.	the pit before planting including cost and transport -1Mazdoor for 200 Nos.	1 /11//-/41		200	Nº.	7888
4	3316	Nº.	Cost of Bio fertilizer including cost of Application-Vermicompost-10Kg.,Bio fert5ilzera-100gms,Vam-100gms.	NHAI ME	7.70	nbeew ek buc buyon 1 rig edr udqu lo	Nº.	25533
5	3648	Nº.	Transporting saplings (transport to the radius of 40km) excluding loading and unloading	1	10.00	0,900	Nº.	36480
6	3648	Nº.	Loading and unloading the container seedlings (30x45 cm) in private lorry upto a lead of 2 Kms excluding hire charges for	5.11.7	1565.22	1000	Nº.	5710
Ollé			the vehicles.	3 x 145	a gestari ali teri			etas [st

S. Nº.	Qt	y	Description of work	FSR Item №.	Rate	Per	Amount
7	3648		Transporting of Polythene container Seedlings by head loads in the place where approach roads not available to take vehicles to planting site 0.5 km	5.13.2	14272.50	1000 №.	. 52066
8			Distrbuction of polythene containe seedlings are stacked to the planting				from where
ne i	1326	Nº.	Upto100 Meters	5.15.1	4757.50	1000 №.	6308
ii	1990	Nº.	Upto 200 Meters	5.15.2	8325.63	1000 Nº.	16568
9	3316	Nº.	Planting the container seedlings by refilling pits of size 60 cm <sup>3</sup>	5.22	813.53	100 №.	26977
10	332	Nº.	Replacement of casualties by reopening failed pits and planting the seedlings	A PROPERTY OF THE PARTY OF THE	2649.93	100 №.	8798
11	3316	Nº.	Weeding & Scrapping for 1 m dia and soil working 15 cm depth around each plants and removing the grass roots away from the site of upturning the soil.	5.24	585.17	100 №.	19404
12	3316	Nº.	Forming Catch water drains for each plant of size 0.90x0.45x0.30m size in hillocks in hard gravelly soil.	5.26	3254.13	100 №.	107907
13	3316	Nº.	Supply of MESH Planet Iron Tree Guard Fencing Net 18 Guage HDPE 3 Feet Height x 5 Feet Length UV Stabilized.	Local	600.00	1 №.	1989600

S. Nº.	Qty	Description of work	FSR Item №.	Rate	Per	Amount
14	10 days	Engaging Protection Mazdoor in CA land for Placing of Tree Guard	Wage Rate	475.75	1 <b>№</b> .	4758
15	LS	Contingecies and unforeseen expenditure for photos and documentation etc.,				2542
		TOTAL				2440619
	Add	-10% Escalation for the year 202	3-24			244062
	•	GRAND TOTAL				2684681

Rate per seedlings

26/5/2022

Rs. 735.93

### **SPECIFICATION:**

- This Estimate has been prepared based on the model estimate of MTP approved by the PCCF (HOD) during 2019-20
- 2) Sl. No. 1, 3, 6, 7, 8, 9, 10,11,12 & 14 (Total 10 Nos.): The rates provided in these items are as per the FSR 2022-23 of Madurai Circle.
- 3) Sl. No. 4,5: These item of works was approved in the above said model estimate: and the rate was provided as per the NHAI Model Estimate
- 4) Sl. №. 2, 13, 15 rate provided based in the average of local rate

## ESTIMATE FOR 1st YEAR MAINTENANCE OF COMPENSATORY AFFORESTATION FOR COMPENSATION AFFORESTATION (3.316 Ha.) FOR PROPOSAL FOR DIVERSION OF 1.658 HA OF FOREST LAND FOR THE IMPROVEMENT WORK OF THENI BYE-PASS ROAD CONNECTING DINDIGUL – THENI ROAD AND MADURAI – COCHIN ROAD ACROSS VALKARADU RESERVED FOREST IN THENI FOREST DIVISION.

No of Casuality =

332

Size of Polybags =  $30x45 \times 600g$ 

Wage rate (From 4.5.18) = Rs. .

475.75

S. No	Quantity	Unit	Name of Work	FSR / SSR	FSL	Rate	P	er	Amount
	Planting	Oper	ation		,				
1	0.2	M.T.	Cost and transport of Farm yard manure each bags - 200 gms. Per plants (10% casualty)	MTP Model estimate		1500.00	1	M.T.	300
2	332	Nos.	Transporting saplings (transported to the radius of 40 kms) excluding loading and unloading	MTP Model estimate		7.00	1	No	2324
3	332	Nos	Loading & unloading the container seedlings (30x45 cm) in private lorry upto a lead of 2kms excluding hire charges for the vehicles.)	5.11.7	3.29	1565.22	1000	No	520
4	332	Nos	Distribution of saplings from where seedlings are stocked to the planting spot upto 100 mtrs	5.15.1	10	4757.50	1000	Nos	1579
5	332	Nos	Replacement of casualties by reopening failed pits and planting the seedlings	5.23	5.57	2649.93	100	Nos	8798
6	3316	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	19404
7	547200	litres	Cost of water @ 10 litres per seedlings (15 watering day) at the rate once in 6 days. (10x1250x15=187500 litres)	MTP Model	-	1200.00	12000	litres	54720
8	332	Nos	Watering the plants in the day of planting (one watering) and once in 6 days during January to March @ one mazdoor for 200 plants/watering day (15 watering days)	FSR 2021- 2022	_	475.75	200	Nos	790

S. No	Quantity	Unit	Name of Work	FSR / SSR	FSL	Rate	Per		Amount	
9	300	M.da ys	Engaging Protection Mazdoor from April to March at 25 days/ Month (1 No./300 days)	FSL wage rate	-	475.75	1 2	M.Days	142725	
					1			TOTAL	231160	
Add 20% of escalation for the Year 2024 to 2025								46232		
Grand Total for 1st year								277392		

## ESTIMATE FOR 2nd YEAR MAINTENANCE OF COMPENSATORY AFFORESTATION FOR COMPENSATION AFFORESTATION (3.316 Ha.) FOR PROPOSAL FOR DIVERSION OF 1.658 HA OF FOREST LAND FOR THE IMPROVEMENT WORK OF THENI BYE-PASS ROAD CONNECTING DINDIGUL – THENI ROAD AND MADURAI – COCHIN ROAD ACROSS VALKARADU RESERVED FOREST IN THENI FOREST DIVISION.

No. of seedlings will be planted = 3316

Size of Polybags =  $30 \times 45 \times 600$ g

Survival estimatd

95% =

3150

2020-21 FSR Rate = Rs.475.75

S. No	QTY	Unit	Name of Work	FSR / SSR	FSL	Rate	Pe	er	Amount
1	3150	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	
2	3150	Nos	Watering the plants in the day of planting (one watering) and once in 6 days during January to March 2019 @ one mazdoor for 200 plants/watering day (15 watering days)	FSR 2022- 2023 Wage		475.75	200	Nos	7493
3	472500	litres	Cost of water @ 10 litres per seedlings (15 watering day) at the rate once in 6 days. (10x1080x15=162000 litres)	MTP Model	No. of the Control of	1200.00	12000	litres	47250
4	75	days	Engaging Protection Mazdoor in CA land - 3 months	Wage rate	1	475.75	1	Nos	35681
			T	OTAL Prorat	ta for 2	2nd year	mainte	nance	108857
H			Add 30	% of escala	tion f	or the yea	ar 2025	to 26	32657
Prorata for next year							141514		

### **SPECIFICATION**

This estimate has been prepared based on the MTP Model estimate, FSR - 2022-23. The estimate may kindly be sanctioned at the earliest.

## ESTIMATE FOR 3rd YEAR MAINTENANCE OF COMPENSATORY AFFORESTATION FOR COMPENSATION AFFORESTATION (3.316 Ha.) FOR PROPOSAL FOR DIVERSION OF 1.658 HA OF FOREST LAND FOR THE IMPROVEMENT WORK OF THENI BYE-PASS ROAD CONNECTING DINDIGUL – THENI ROAD AND MADURAI – COCHIN ROAD ACROSS VALKARADU RESERVED FOREST IN THENI FOREST DIVISION.

No. of seedlings will be planted = 3316

Size of Polybags =  $30 \times 45 \times 600g$ 

Survival estimatd

90% =

2984

FSR 2022-23= Rs.475.75

QTY	Unit	Name of Work	FSR / SSR	FSL	Rate	Per		Amount
2984	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	1.2	585.17	100	Nos	17461
2984	Nos	Watering the plants in the day of planting (one watering) and once in 6 days during January to March 2019 @ one mazdoor for 200 plants/ watering day (15 watering days)	FSR 2021- 22	-	475.75	200	Nos	7098
447600	litres			-	1200.00	12000	litres	44760
75	days	Engaging Fire Protection watcher in CA land - 3 months	Wage rate	1	475.75	1	Day	35681
		тота	AL Pror	ata fo	or 3 rd yea	ır mainte	nance	105000
Add 40% of escalation for the year (2026-27)								
prorata for next year								147000
4 th year maintenance add 10% escalation (2027-28)  4 th year maintenance cost								14700 161700
	2984 2984 447600	2984 Nos  2984 Nos  447600 litres	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  Watering the plants in the day of planting (one watering) and once in 6 days during January to March 2019 @ one mazdoor for 200 plants/ watering day (15 watering days)  Cost of water @ 10 litres per seedlings (15 watering day) at the rate once in 6 days. (10x1023x15=153450 litres)  Total Add 40%	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  Watering the plants in the day of planting (one watering) and once in 6 days during January to March 2019 @ one mazdoor for 200 plants/ watering day (15 watering days)  Cost of water @ 10 litres per seedlings (15 watering day) at the rate once in 6 days. (10x1023x15=153450 litres)  Total Pror Add 40% of esca	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  Watering the plants in the day of planting (one watering) and once in 6 days during January to March 2019 @ one mazdoor for 200 plants/ watering day (15 watering days)  Cost of water @ 10 litres per seedlings (15 watering day) at the rate once in 6 days. (10x1023x15=153450 litres)  Total Prorata for Add 40% of escalation	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  Watering the plants in the day of planting (one watering) and once in 6 days during January to March 2019 @ one mazdoor for 200 plants/ watering day (15 watering days)  Cost of water @ 10 litres per seedlings (15 watering day) at the rate once in 6 days. (10x1023x15=153450 litres)  Total Prorata for 3 rd year Add 40% of escalation for the year maintenance add 10% escalation.	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  Watering the plants in the day of planting (one watering) and once in 6 days during January to March 2019 @ one mazdoor for 200 plants/ watering day (15 watering days)  Cost of water @ 10 litres per seedlings (15 watering day) at the rate once in 6 days. (10x1023x15=153450 litres)  Total Prorata for 3 rd year mainted Add 40% of escalation for the year (2020 prorata for new 4 th year maintenance add 10% escalation (2020 prorata for new 4 th year maintenance add 10% escalation (2020 prorata for new 4 th year maintenance add 10% escalation (2020 prorata for new 4 th year maintenance add 10% escalation (2020 prorata for new 4 th year maintenance add 10% escalation (2020 prorata for new 4 th year maintenance add 10% escalation (2020 prorata for new 4 th year maintenance add 10% escalation (2020 prorata for new 4 th year maintenance add 10% escalation for the year (2020 prorata for new 4 th year maintenance add 10% escalation (2020 prorata for new 4 th year maintenance add 10% escalation (2020 prorata for new 4 th year maintenance add 10% escalation for the year (2020 prorata for new 4 th year maintenance add 10% escalation for the year (2020 prorata for new 4 th year maintenance add 10% escalation for the year (2020 prorata for new 4 th year maintenance add 10% escalation for the year (2020 prorata for new 4 th year maintenance add 10% escalation for the year (2020 prorata for new 4 th year maintenance add 10% escalation for the year (2020 prorata for new 4 th year maintenance add 10% escalation for the year (2020 prorata for new 4 th year maintenance add 10% escalation for the year (2020 prorata for new 4 th year maintenance add 10% escalation for the year (2020 prorata for new 4 th year maintenance add 10% escalation for the year (2020 prorata for new 4 th year maintenance add 10% escalation for the year (2020 prorata for new 4 th year maintenance add 10% escalation for the year	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   S.24   1.2   585.17   100   Nos      Watering the plants in the day of planting (one watering) and once in 6 days during January to March 2019 @ one mazdoor for 200 plants/ watering day (15 watering days)

5 th year maintenance add 10% of escalation (2028-29)	16170
5 th year maintenance cost	177870
6 th year maintenance add 10% escalation (2029-30)	17787
6 th year maintenance cost	195657
7 th year maintenance add 10% of escalation (2030-31)	19566
7 th year maintenance cost	215223
8 th year maintenance add 10% escalation (2031-32)	21522
8 th year maintenance cost	236745
9 th year maintenance add 10% of escalation (2032-33)	23674
9 th year maintenance cost	260419
10 th year maintenance add 10% of escalation (2033-34)	26042
10 th year maintenance cost	286461

### **SPECIFICATION**

This estimate has been prepared based on the MTP Model estimate, FSR - 2022-23. The estimate may kindly be sanctioned at the earliest.

District Forest Officer,

Theni Forest Division, Theni.