

**DETAILS OF FINANCIAL OUTLAY FOR COMPENSATORY AFFORESTATION**

Sl. No	Details	Physical Target	Unit Cost	Amount	Remarks
	Raising and planting				
1	Plantation of 2 times area (1.634 Ha) in the degraded forest area (Eco -4) as the non availability of non forest area. Number of seedlings 1634 (at the rate of 1000 per Ha)				
a.	Raising and planting	1634 Nos	679 / 1 No	<b>1109486</b>	1634 Seedlings and Maintenance Seedlings are proposed to be planted in 1.634 Ha degraded forest area in Salur RF and it will be maintained for a period of 10 years
b.	Maintenance				
	1 <sup>st</sup> year	1634 Nos	308.55 / 1 No	504171	
	2 <sup>nd</sup> year		246.23 / 1 No	402340	
	3 <sup>rd</sup> year		277.84 / 1 No	453991	
	4 <sup>th</sup> year		11.57 / 1 No	18905	
	5 <sup>th</sup> year		13.82 / 1 No	22582	
	6 <sup>th</sup> year		15.21 / 1 No	24853	
	7 <sup>th</sup> year		16.73 / 1 No	27337	
	8 <sup>th</sup> year		18.4 / 1 No	30066	
	9 <sup>th</sup> year		21.69 / 1 No	35441	
	10 <sup>th</sup> year		23.86 / 1 No	38987	
			<b>Sub Total</b>	<b>1558673</b>	
2	Water harvesting trench along the Salur Reserved forest boundary N12.611989 E80.010533 N12.612374 E80.009678 N12.613140 E80.007976	300 RM	326.28 RM	97884	
			<b>Sub Total</b>	<b>2766043</b>	
3	Contingency fund to meet out the special nature of works for restocking of plantation in the event of drought, protection of plantation etc., @ 5% of total scheme cost			138302	
	<b>GRAND TOTAL</b>			<b>2904345</b>	

**Rs.29,04,345/- (Rupees Twenty Nine Lakhs Four thousand Three hundred and Forty Five Only)**


  
 District Forest Officer,  
 Chengalpattu Division,  
 Kancheepuram.

## Model Estimate for Raising Nursery

Size of Polybags	1000
No of Seedlings	1000
(+) Replacement casualties	100
<b>Total</b>	<b>1100</b>
<b>Wages Rate: Rs.</b>	<b>488.25</b>

Period of Nursery: 10 Months

Sl. No	Qty	Details of Work	FSR Item No	FSL	Rate	Per	Amount	
<b>NURSERY OPERATIONS FOR 13x25cm</b>								
1	150	M2	Preparation of Nursery site by Clearing and levelling the site for forming standard bed of size 10mx1m	4.1	2.42	1181.57	200.00	886
2	2.2	kg	Cost of Seeds (2Kgs/1000 Nos)	LR		250	1	550
3	1100	Nos	Cost of 13x25cmx250G polybags	Tender rate 2019-20		944	1000	1038
4	3	Cu.m	Formation of germination beds of size 10x1x3 m	PWD SSR item 62		106.25	1.00	319
5	1.0	Beds	Watering the Germination Beds twice daily with rose can (15days)	4.5.1	0.82	400.37	10	601
6	1.0	Beds	Watering the germination beds once daily with rose can (15days)	4.5.2	0.41	200.18	10.00	300
7	1.074	Cu.m	Collection and supply of sand silt and red soil according the requirement of preparation of soil mixture 3/4th of total volume (0.84 M3/1000 Nos)	LR		750	1	806
8	0.27	Cu.m	Collection and transport of farm yard manure filling bags 1/4th of total volume (0.28M3/1000 Nos)	LR		750.00	1.00	203
9	1100	Nos	Preparation of soil mixture by breaking clods, seiving, mixing fertile earth (including red soil, silt and sand according to requirements) and farmyard manure in the reation 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	2187.36	1000.00	2406
10	28	Kgs	Cost of Vermicasting @ per 25gm / seedlings	As per Research	-	10.00	1.00	280

SI. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
11	11	Kgs	Cost of VAM @ 10gm per /seedlings	Wing Rate	-	18.00	1.00	198
12	6	Kgs	Cost of Azospirillum @ 5 per 5gm/ seedlings	As per Research Wing Rate		27.00	1.00	162
13	6	Kgs	Cost of Phosphobacteria @ per 5gm/ seedlings			27.00	1.00	162
14			watering the container plants with rose cans					
a	1100	Nos	Twice daily 15 days	4.10.4	0.23	112.30	1000.00	1853
b	1100	Nos	Once daily 30days		0.115	56.15		1853
c	1100	Nos	Alternate days spread over 30 days (Effective days -15)		0.115	56.15		926
15	1100	Nos	cost of water for watering the container seedlings - 60 watering days	4.18 -FSR 1998-99		0.85	1000.00	56
16	1100	Nos	Land rent @ 3000 bags/40 sq.m - 3 Months	4.17	LR	86.00	40 sq.m/months	568
	73.33	M2/ 3 Months						
17	1100	Nos	Shifting the container plants weeding grading and replacement of casualties in the bags (shifting to done once in 21days, first shiting not before 45days after pricking out )2 shifts	4.15.4	0.51	249.01	1000.00	548
Sub Total (A)								
<b>PART II - Bigger size bags : 30x45cmx600g</b>								
18	1100	Nos	Cost of 30x45cmx600G polybags	Tender rate	-	9263	1000	10189
19	9.230	M3	Collection and supply of sand silt and red soil according the requirement of preparation of soil misture 4/5th of total volume (excluding volume of earth in 13x25 cm container)( @9.23 Cu.m/1000 Nos )	LR	-	750	1	6923
20	2.31	M3	Cost of transport of Farm yard manure for filling bags 1/5th of total volume. (@2.31 Cu.m/m 1000 Nos )		-	750	1	1733

Qty  
No

S No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
21	1100	Nos	Preparation of soil mixture by breaking clods, sieving, mixing redsoil, silt and sand according to requirements and farmyard manure in the ratio of 4:1. heaping at the filling site and filling site in poly bags, arranging bags in beds and pricking out the seedling (excluding cost of soil mixture and FYM)	4.6.7	28.57	13949.30	1000.00	15344
22	39.00	Kgs	Cost of Vermicasting @ 35gm / seedlings	As per Research Wing Rate	-	10.00	1.00	390
23	17.00	Kgs	Cost of VAM @ 15 gm / seedlings		-	18.00	1.00	306
24	7.00	Kg	Cost of Azospirillum @ 6gm/ seedlings	As per Research Wing Rate	-	27.00	1.00	189
25	7.00	Kg	Cost of phosphobacteria @ 6gm/seedlings		-	27.00	1.00	189
26	11.00	Maz	Labour cost of transplanting seedlings from 13x25 cm container bags into 30x45 cm containers 10maz/1000	As Per ME of MTP	-	488.25	1.00	5371
27	1100	Nos	Cost of vertical strick ( Casurina poles 5 cm - 8 cm girth and 1.00 m Height for each plants)	PWD SSR	-	17.50	1.00	19250
28	550	Nos	Cost of Horizontal strick ( Casurina poles 5 cm - 8 cm girth and 1.00 m Height for each plants)	PWD SSR	-	17.50		9625
29	1100	Nos	Tying plants to vertical stick once in a month - 2 times	ME	-	0.40	1.00	440
30	1100	Nos	Pruning side branches once in 2 months - 2 times	ME	-	1.00		1100
31			Watering the container plants with rose can					
a	1100	Nos	Twice daily - 15days	4.10.7	0.56	273.42	1000.00	4511
b	1100	Nos	Once daily - 30 days	4.11.7	0.28	136.71	1000.00	4511
c	1100	Nos	Once in alternate days - spread over 60 days (Effective days - 30days)	4.11.7	0.28	136.71	1000.00	4511

SI. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
d	1100	Nos	Twice in a week spread over 105 days (Effective days - 30days)	4.11.7	0.28	136.71	1000.00	4511
32	1100	Nos	Land rent @ 500 bags/40 sq.m - 7 Months	4.17	LR	86.00	40	1324
		M2/7 months					sq.m/months	
33	1100	Nos	Shifting the container plants weeding grading and replacement of casualties in the bags -shifting to done once in 21days - 7 shifts	4.15.7	2.69	1313.39	1000.00	10113
34	1100	Nos	Cost of water for watering the container - 105 watering days	4.18 - FSR 1998-99	-	1.60	1000.00	185
35	1	Nos	Nursery protection mazdoors 1 No / 100000 Nos of 30 x 45 cm bags - 300 days.(90d+210d)	4.17-FSR 1998-99	1	488.25	100000/M	1611
36	GST 18%(item No.3,17)							735
37	5	Months	Provision for cost of pesticides and fungasides and Labour charges for application of pesticides - 2 times / month	LR	-	200	1	3000
38	LS		Photo & Documentations ect	LS				1100
39	LS		Contingencies unforeseen items	LS				1123
<b>TOTAL</b>								<b>122000</b>

Rate calculated for 2022-23 Rs 122000

1 seedling Rate for 2022-23 Rs 110.91 Per seedling

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5/1/2023

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District Forest Officer,  
Chengalpattu Division,  
Kancheepuram.

## Model Estimate for Planting

Size of Polybags

: 30x45 cm

No of Seedlings

: 1000

Wages Rate

: Rs. 488.25

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1000	Nos	Aligning and Marking in plantation area	5.24	1.38	673.79	100	6738
2	1000	Nos	Digging of 60cm <sup>3</sup> pits in all types of soil during non rainy season	as per based on FSR 5.8.1	9.26	4521.2	100 Nos	45212
3	72	M3	Cost and transport of farmyard manure each plant (0.60x0.60x0.20=0.072x1000= 72 m3)	Lowest rate	-	750	1 M3	54000
4	1000	Nos	Application of Farm yard manure by mixing in the pit before planting - 1 mazdoor for 200 Nos	FSL wage rate	1	488.25	200 Nos	2441
5	1000	Nos	Cost of Bio fertilizer including cost of application - Vermicompost - 1kg, Bio Fertilizer - 100 gms, VAM - 100 gms	NHAI ME	-	7.7	1 No	7700
6	1100	Nos	Transport of saplings (transported to the radius of 40 kms) Excluding load and unloading charges by Private Vehicle	NHAI ME	-	7.00	1 No	7700
7	1100	Nos	Loading & Unloading the Container seedlings(30 x45cm ) in private lorry upto a lead of 2kms excluding hire charges for the vehicles	5.11.7	3.29	1606.34	1000 Nos	1767
8			Distribution of saplings from where seedlings are stocked to the planting spot upto 500mts.					
a	550	Nos	Upto 100 m	5.15.1	10	4882.50	1000 Nos	2685
b	550	Nos	Upto 200 m	5.15.2	17.5	8544.38	1000 Nos	4699
c	275	Nos	Upto 500 m	5.15.3	41	20018.25	1000 Nos	5505
9	1000	Nos	Planting the Container plants by refilling pits of size 60 cm <sup>3</sup>	as per based on FSR 5.22	1.71	834.91	100 Nos	8349

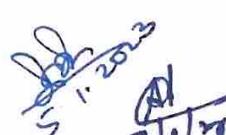
No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
10	2500	RM	Provision of vertical casurina poles 5cm to 8cm girth and 2.50 m height per plant	PWD SSR 148/ d		17.50	each	43750
11	100	Nos	Replacement of casualties by reopening failed pits and planting the saplings (1/2 pitting rate on rainy days + full planting rate)	5.23	6.34	3095.51	100 Nos	3096
12	1000	Nos	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	1.23	600.55	100 Nos	6006
13	1000	Nos	Forming catch water drains for each plant in plains 90 cm x 45 cm x 30 cm size in hillocks and hard gravelly soil	5.26	6.84	3339.63	100 Nos	33396
14	1000	Nos	Providing Brush wood fencing around each plants	-	0.25	122.06	1	122060
15	1000	Nos	Watering the plants once in 6 days during non rainy period (from January to March ) 200 Plants per mazdoor - 15 watering days	NHAI ME		488.25	200 Nos	36619
16	300000	Ltrs	Cost of water @ 20 liter per seedlings 15 watering days (1000x20x15=300000Ltrs)	NHAI ME	-	1200.00	12000 Ltrs	30000
17	1	Nos	Plantation Protection mazdoor from October to March -180m days.	Wages rate	1	488.25	1M	87885
18	1000	Nos	Removing /scrapping vizal monsoon or bothai grass for one meter dia around the plants	5.27	0.21	102.53	100 Nos	1025
19	5	Months	Provision for cost of pesticides and fungaside and labour charges for application of pesticides - 2 times /month	LR	-	200.00	1Nos	2000
20		LS	Photo and Documentation ect.,			LS		1500
17		LS	Contingencies and unforeseen expenditure to be restricted to as per actual.			LS		1867
<b>TOTAL</b>								<b>516000</b>

Rate calculated for 2022-23 516000

**Cost of seedlings for 2022-23 516.00 per seedling**

Add 10 % escalation for 2023-24 51.60

**Cost of seedlings for 2023-24 567.60 per seedling**

  
 District Forest Officer,  
 Chengalpattu Division,  
 Kancheepuram.

5/1/2023

## Model Estimate for I<sup>st</sup> Year Maintenance

Size of Polybags

:30x45cm

Replacement of Casualties

: 10%

Wages Rate

Rs. 488.25

SI. No	Qty	Details of Work	FSR Item No	FSL	Rate	Per	Amount
<b>A. NUSERY OPERATION</b>							
1	100 Nos	Raising cost of seedlings in 30 x 45 size polythene bags(As per nursery estimate)	As per nursery estimate	-	136.36	1 No	13636
TOTAL(A)							
<b>B.PLANTING OPERATION</b>							
1	100 No	Cost and transport of Farm yard manure each plants 0.60x0.60x0.20=0.072m <sup>3</sup> /pit	lowest		750.00	1 m <sup>3</sup>	5400
	7.2 M <sup>3</sup>						
2	250 Nos	Application of Farm yard manure by mixing in the pit before planting - 1 mazdoor for 200 Nos	FSL wages rate	-	488.25	200 Nos	610
3	100 Nos	Transporting saplings( transported in the radius of 40 kms )excluding loading and unloading in Private vehicle	NHAI ME	-	7.00	1	700
4	100 Nos	Loading and Unloading the container seedlings (30x45cm) in private lorry upto a lead of 2kms (excluding hire charges for the vehicles)	5.11.7	3.29	1606.34	1000 Nos	161
5		Distribution of seedlings in the site C. plants upto 500mtrs - in plains					
a	100 Nos	Upto 100mt	5.15.1	10	4882.50	1000 Nos	488
b	100 Nos	Upto 200mt	5.15.2	17.5	8544.38	1000 Nos	854
c	100 Nos	Upto 500mt	5.15.2	41	20018.25	1000 Nos	2002
6	100 Nos	Replacement of casualties by reopening failed pits and planting the seedlings	5.23	5.57	2719.55	100 Nos	2720
7	1000 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	600.55	100 Nos	6006

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amo
8	1000	Nos	Cost of Bio Fertilizers including cost of application Vermi-compose 1 kg, Bio fertilizer 100 gms VAM 100 gms	NHAI ME		7.70	1	7700
9	600000	Ltrs	Cost of water @ 20 liter per seedling 30 watering days (5000x20x30=600000Ltrs)	NHAI ME		1200.00	12000 Ltrs	60000
10	1000	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)	4.117	0.28	488.25	200	4883
11	1	No	Engaging protection Mazdoor @1 Mazdoor from April to March -12 months(25days /month)	FSR wage rate		488.25	1	146475
12	LS		Contingencies and unforeseen expenditure to be restricted to as per actual.					3366
<b>TOTAL</b>								<b>255000</b>

**Rate calculated for 2022-23 255000**

Cost of seedlings for 2022-23	<b>255.00 per seedling</b>
Add 10 % escalation for 2023-24	25.50
<b>Cost of seedlings for 2023-24</b>	<b>280.50 per seedling</b>
Add 10 % escalation for 2024-25	28.05
<b>Cost of seedlings for 2024-25</b>	<b>308.55 per seedling</b>


  
 District Forest Officer,
   
 Chengalpattu Division,
   
 Kancheepuram.

## Model Estimate for 2<sup>nd</sup> Year Maintenance

Size of Polybags : 30x45 cm  
Wages Rate Rs. 488.25

Sl. No	Qty	Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1000 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	600.55	100 Nos	6006
2	1000 Nos	Cost of Bio Fertilizers including cost of application Vermi-compost 1 kg, Bio fertilizer 100 gms VAM 100 gms	NHAI ME	-	7.70	1kg	7700
3	600000 Ltrs	Cost of water @ 20 liter per seedlings 30 watering days (1000x20x30=600000Ltrs)	NHAI ME	-	1200.00	12000 Ltrs	60000
4	1000 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		488.25	200 Shift	73238
5	1 Nos	Engaging protection Mazdoor @1 Mazdoor (3 months) (25days /month)	FSR wage rate	-	488.25	1	36619
6	LS	Contingencies for application of pesticides etc. and unforeseen items if any			LS		1438
<b>TOTAL</b>							<b>185000</b>

Rate calculated for 2022-23      185000  
**Cost of seedlings for 2022-23      185.00 per seedling**  
 Add 10 % escalation for 2023-24      18.50  
**Cost of seedlings for 2023-24      203.50 per seedling**  
 Add 10 % escalation for 2024-25      20.35  
**Cost of seedlings for 2024-25      223.85 per seedling**  
 Add 10 % escalation for 2025-26      22.38  
**Cost of seedlings for 2025-26      246.23 per seedling**

5/1/2023

District Forest Officer,  
Chengalpattu Division,  
Kancheepuram.

## Model Estimate for 3<sup>rd</sup> Year Maintenance

Size of Polybags

: 30x45 cm

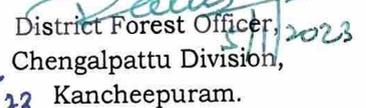
Wages Rate

: Rs 488.25

SI. No	Qty	Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1000 Nos	Scraping 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 - 2 times	5.24	1.23	600.55	100 Nos	6006
2	1000 Nos	Cost of Bio Fertilizers including cost of application Vermi-compose 1 kg, Bio fertilizer 100 gms VAM 100 gms	NHAI ME	-	7.70	1kg	7700
3	600000 Ltrs	Cost of water @ 20 liter per seedling 45 watering days (20x1000x30=600000Ltrs)	As per ME		1200.00	12000 Ltrs	60000
4	1000 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	488.25	200 shift	73238
5	1 Nos	Engaging protection Mazdoor @1 Mazdoor (3 months) (25days /month)	FSR wage rate	-	488.25	1 Nos	36619
6	LS	Contingencies for application of pesticides etc. and unforeseen items if any		LS			1438
<b>TOTAL</b>							<b>185000</b>

Rate calculated for 2022-23	185000
<b>Cost of seedlings for 2022-23</b>	<b>185.00 per seedling</b>
Add 10 % escalation for 2023-24	18.50
<b>Cost of seedlings for 2023-24</b>	<b>203.50 per seedling</b>
Add 10 % escalation for 2024-25	20.35
<b>Cost of seedlings for 2024-25</b>	<b>223.85 per seedling</b>
Add 10 % escalation for 2025-26	28.73
<b>Cost of seedlings for 2025-26</b>	<b>252.58 per seedling</b>
Add 10 % escalation for 2026-27	25.26
<b>Cost of seedlings for 2026-27</b>	<b>277.84 per seedling</b>

  
 5/1/2023

  
 District Forest Officer,  
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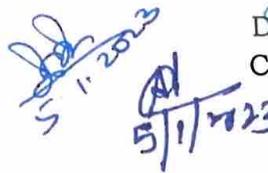
## Model Estimate for 4<sup>th</sup> Year Maintenance

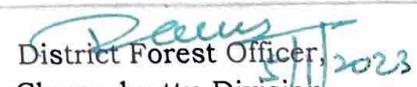
Size of Polybags : 30x45 cm

Wages Rate Rs 488.25

SI. No	Qty	Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1000 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	600.55	100 Nos	6006
2	LS	Contingencies for application of pesticides etc. and unforeseen items if any	LS				494
<b>TOTAL</b>							<b>6500</b>

Rate calculated for 2022-23	6500
<b>Cost of seedlings for 2022-23</b>	<b>6.50 per seedling</b>
Add 10 % escalation for 2023-24	0.65
<b>Cost of seedlings for 2023-24</b>	<b>7.15 per seedling</b>
Add 10 % escalation for 2024-25	0.71
<b>Cost of seedlings for 2024-25</b>	<b>7.86 per seedling</b>
Add 10 % escalation for 2025-26	0.79
<b>Cost of seedlings for 2025-26</b>	<b>8.65 per seedling</b>
Add 10 % escalation for 2026-27	1.87
<b>Cost of seedlings for 2026-27</b>	<b>10.52 per seedling</b>
Add 10 % escalation for 2027-28	1.05
<b>Cost of seedlings for 2027-28</b>	<b>11.57 per seedling</b>

  
 5/11/2023

  
 District Forest Officer,  
 Chengalpattu Division,  
 Kancheepuram.

## Model Estimate for 5<sup>th</sup> Year Maintenance

Size of Polybags

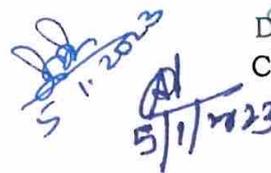
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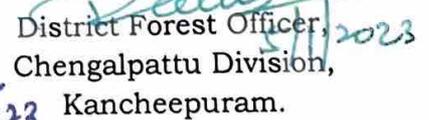
Wages Rate

Rs 488.25

SI. No	Qty	Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1000 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	0.28	600.55	100 Nos	6006
3	LS	Contingencies for application of pesticides etc. and unforeseen items if any					494
<b>TOTAL</b>							<b>6500</b>

Rate calculated for 2022-23	6500
<b>Cost of seedlings for 2022-23</b>	<b>6.50 per seedling</b>
Add 10 % escalation for 2023-24	0.65
<b>Cost of seedlings for 2023-24</b>	<b>7.15 per seedling</b>
Add 10 % escalation for 2024-25	0.71
<b>Cost of seedlings for 2024-25</b>	<b>7.86 per seedling</b>
Add 10 % escalation for 2025-26	0.79
<b>Cost of seedlings for 2025-26</b>	<b>8.65 per seedling</b>
Add 10 % escalation for 2026-27	1.87
<b>Cost of seedlings for 2026-27</b>	<b>10.52 per seedling</b>
Add 10 % escalation for 2027-28	1.05
<b>Cost of seedlings for 2027-28</b>	<b>11.57 per seedling</b>
Add 10 % escalation for 2028-29	2.25
<b>Cost of seedlings for 2028-29</b>	<b>13.82 per seedling</b>

  
 5/11/2023

  
 District Forest Officer,  
 Chengalpattu Division,  
 Kancheepuram.

## Model Estimate for 6<sup>th</sup> Year Maintenance

Size of Polybags

: 30x45 cm

Wages Rate

488.25

SI. No	Qty	Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1000 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	600.55	100 Nos	6006
3	LS	Contingencies for application of pesticides etc. and unforeseen items if any					494
<b>TOTAL</b>							<b>6500</b>

Rate calculated for 2022-23	6500	
Cost of seedlings for 2022-23	6.50	per seedling
Add 10 % escalation for 2023-24	0.65	
Cost of seedlings for 2023-24	7.15	per seedling
Add 10 % escalation for 2024-25	0.71	
Cost of seedlings for 2024-25	7.86	per seedling
Add 10 % escalation for 2025-26	0.79	
Cost of seedlings for 2025-26	8.65	per seedling
Add 10 % escalation for 2026-27	1.87	
Cost of seedlings for 2026-27	10.52	per seedling
Add 10 % escalation for 2027-28	1.05	
Cost of seedlings for 2027-28	11.57	per seedling
Add 10 % escalation for 2028-29	2.25	
Cost of seedlings for 2028-29	13.82	per seedling
Add 10 % escalation for 2029-30	1.38	
Cost of seedlings for 2029-30	15.21	per seedling

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## Model Estimate for 7<sup>th</sup> Year Maintenance

Size of Polybags : 30x45 cm

Wages Rate 488.25

SI. No	Qty	Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1000 Nos	Scraping 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	1.2	600.55	100 Nos	6006
3	LS	Contingencies for application of pesticides etc. and unforeseen items if any					494
<b>TOTAL</b>							<b>6500</b>

**Rate calculated for 2022-23      6500**

**Cost of seedlings for 2022-23      6.50 per seedling**

Add 10 % escalation for 2023-24      0.65

**Cost of seedlings for 2023-24      7.15 per seedling**

Add 10 % escalation for 2024-25      0.71

**Cost of seedlings for 2024-25      7.86 per seedling**

Add 10 % escalation for 2025-26      0.79

**Cost of seedlings for 2026-27      8.65 per seedling**

Add 10 % escalation for 2026-27      1.87

**Cost of seedlings for 2026-27      10.52 per seedling**

Add 10 % escalation for 2027-28      1.05

**Cost of seedlings for 2027-28      11.57 per seedling**

Add 10 % escalation for 2028-29      2.25

**Cost of seedlings for 2028-29      13.82 per seedling**

Add 10 % escalation for 2029-30      1.382

**Cost of seedlings for 2029-30      15.21 per seedling**

Add 10 % escalation for 2030-31      1.52

**Cost of seedlings for 2030-31      16.73 per seedling**


  
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## Model Estimate for 8<sup>th</sup> Year Maintenance

Size of Polybags :30x45 cm

Wages Rate 488.25

SI. No	Qty	Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1000 Nos	Scraping 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	1.23	600.55	100 Nos	6006
3	LS	Contingencies for application of pesticides etc. and unforeseen items if any					494
<b>TOTAL</b>							<b>6500</b>

**Rate calculated for 2022-23 6499.5**

<b>Cost of seedlings for 2022-23</b>	<b>6.50</b>	<b>r seedling</b>
Add 10 % escalation for 2023-24	0.65	
<b>Cost of seedlings for 2023-24</b>	<b>7.15</b>	<b>r seedling</b>
Add 10 % escalation for 2024-25	0.71	
<b>Cost of seedlings for 2024-25</b>	<b>7.86</b>	<b>r seedling</b>
Add 10 % escalation for 2025-26	0.79	
<b>Cost of seedlings for 2025-26</b>	<b>8.65</b>	<b>r seedling</b>
Add 10 % escalation for 2026-27	1.87	
<b>Cost of seedlings for 2026-27</b>	<b>10.52</b>	<b>r seedling</b>
Add 10 % escalation for 2027-28	1.05	
<b>Cost of seedlings for 2027-28</b>	<b>11.57</b>	<b>r seedling</b>
Add 10 % escalation for 2028-29	2.25	
<b>Cost of seedlings for 2028-29</b>	<b>13.82</b>	<b>r seedling</b>
Add 10 % escalation for 2029-30	1.38	
<b>Cost of seedlings for 2029-30</b>	<b>15.21</b>	<b>r seedling</b>
Add 10 % escalation for 2030-31	1.52	
<b>Cost of seedlings for 2030-31</b>	<b>16.73</b>	<b>r seedling</b>
Add 10 % escalation for 2031-32	1.67	
<b>Cost of seedlings for 2031-32</b>	<b>18.40</b>	<b>r seedling</b>

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## Model Estimate for 9<sup>th</sup> Year Maintenance

Size of Polybags :30x45 cm

Wages Rate

488.25

Sl. No	Qty	Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1000 Nos	Scraping 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	1.23	600.55	100 Nos	6006
3	LS	Contingencies for application of pesticides etc. and unforeseen items if any					494
<b>TOTAL</b>							<b>6500</b>

<b>Rate calculated for 2022-23</b>	<b>6500</b>	
<b>Cost of seedlings for 2022-23</b>	<b>6.50</b>	<b>per seedling</b>
Add 10 % escalation for 2023-24	0.65	
<b>Cost of seedlings for 2023-24</b>	<b>7.15</b>	<b>per seedling</b>
Add 10 % escalation for 2024-25	0.71	
<b>Cost of seedlings for 2024-25</b>	<b>7.86</b>	<b>per seedling</b>
Add 10 % escalation for 2025-26	0.79	
<b>Cost of seedlings for 2025-26</b>	<b>8.65</b>	<b>per seedling</b>
Add 10 % escalation for 2026-27	1.87	
<b>Cost of seedlings for 2026-27</b>	<b>10.52</b>	<b>per seedling</b>
Add 10 % escalation for 2027-28	1.05	
<b>Cost of seedlings for 2027-28</b>	<b>11.57</b>	<b>per seedling</b>
Add 10 % escalation for 2028-29	2.25	
<b>Cost of seedlings for 2028-29</b>	<b>13.82</b>	<b>per seedling</b>
Add 10 % escalation for 2029-30	1.38	
<b>Cost of seedlings for 2029-30</b>	<b>15.21</b>	<b>per seedling</b>
Add 10 % escalation for 2030-31	2.72	
<b>Cost of seedlings for 2030-31</b>	<b>17.93</b>	<b>per seedling</b>
Add 10 % escalation for 2031-32	1.79	
<b>Cost of seedlings for 2031-32</b>	<b>19.72</b>	<b>per seedling</b>
Add 10 % escalation for 2032-33	1.97	
<b>Cost of seedlings for 2032-33</b>	<b>21.69</b>	<b>per seedling</b>

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# Model Estimate for 10<sup>th</sup> Year Maintenance

Size of Polybags

: 30x45 cm

Wages Rate : Rs. 488.25

SI. No	Qty	Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1000 Nos	Scraping 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	1.23	600.55	100 Nos	6006
3	LS	Contingencies for application of pesticides etc. and unforeseen items if any					494
<b>TOTAL</b>							<b>6500</b>

Rate calculated for 2022-23	6500
<b>Cost of seedlings for 2022-23</b>	<b>6.50 per seedling</b>
Add 10 % escalation for 2023-24	0.65
<b>Cost of seedlings for 2023-24</b>	<b>7.15 per seedling</b>
Add 10 % escalation for 2024-25	0.71
<b>Cost of seedlings for 2024-25</b>	<b>7.86 per seedling</b>
Add 10 % escalation for 2025-26	0.79
<b>Cost of seedlings for 2025-26</b>	<b>8.65 per seedling</b>
Add 10 % escalation for 2026-27	1.87
<b>Cost of seedlings for 2026-27</b>	<b>10.52 per seedling</b>
Add 10 % escalation for 2027-28	1.05
<b>Cost of seedlings for 2027-28</b>	<b>11.57 per seedling</b>
Add 10 % escalation for 2028-29	2.25
<b>Cost of seedlings for 2028-29</b>	<b>13.82 per seedling</b>
Add 10 % escalation for 2029-30	1.38
<b>Cost of seedlings for 2029-30</b>	<b>15.21 per seedling</b>
Add 10 % escalation for 2030-31	2.72
<b>Cost of seedlings for 2030-31</b>	<b>17.93 per seedling</b>
Add 10 % escalation for 2031-32	1.79
<b>Cost of seedlings for 2031-32</b>	<b>19.72 per seedling</b>
Add 10 % escalation for 2032-33	1.97
<b>Cost of seedlings for 2032-33</b>	<b>21.69 per seedling</b>
Add 10 % escalation for 2033-34	2.17
<b>Cost of seedlings for 2033-34</b>	<b>23.86 per seedling</b>

  
 District Forest Officer,  
 Chengalpattu Division,  
 Kancheepuram.

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