

Model Estimate for Raising Nursery

Size of Polybags : 30x45 cm

No of Seedlings : 1909 Nos

Period of Nursery : 8 Months

(+) casualties 191

Wages Rate: Rs. :488.25

Total :2100 Nos

Sl. No	Qty	Details of Work	FSR Item No	FSL	Rate	Per	Amount
NURSERY OPERATIONS FOR 13x25cm							
1	2100 Nos	Cost of 13x25cmx250G polybags	Tender rate 2019-20		944.00	1000	1982.00
2	40 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	236.00
3	4 kg	Cost of Seeds	LR		200.00	1	800.00
4	6 Cu.m	Formation of germination beds of size 10x1x3 m	PWD SSR item 62		96.00	1	576.00
5	2 Beds	Forming shade pandals 10 m x 1 m including collection of grasses	4.9		488.25	1	977.00
6	2.0 Beds	Watering the Germination Beds twice daily with rose can (10days)	4.5.1	0.82	400.37	10	801.00
7	2.0 Beds	Watering the germination beds once daily with rose can (10days)	4.5.2	0.41	200.18	10	400.00
8	2.13 Cu.m	Collection and supply of sand silt and red soil according the requirement of preparation of soil mixture 4/5th of total volume	NABARD ME 2022-23		1200.00	1	2556.00
9	0.58 Cu.m	Collection and supply of farm yard manure filling bags 1/5th of total volume	NABARD ME 2022-23		1200.00	1	696.00
10	2100 Nos	Preparation of soil mixture by breaking clods,seiving, mixing fertile earth (including redsoil, silt and sand according to requiements) 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	4.6.4	4.48	2187.36	1000	4593.00
11	2100 Nos	Watering the container plants twice daily with rose can 13x25 cm (15days)	4.10.4	0.23	112.30	1000	3537.00
12	2100 Nos	Watering the container plants once in daily with rose can 13x25 cm (45days)	4.11.4	0.115	56.15	1000	5306.00
13	40 m2	Purchase of green shade net	LR		50.00	1	2000.00

14	2100	Nos	Nursery protection mazdoor 1 Nos 100000 Nos of 13x25 cm bags - 80days	wages rate		488.25	100000 /M	820.00
PART II - Bigger size bags : 30x45cmx600g								
15	2100	Nos	Cost of 30x45cmx600G polybags	Tender rate 2022-23		9.25	each	19425.00
16	17.62	M3	Collection and supply of sand silt and red soil according the requirement of prepartion of soil misture 4/5th of total volume (excluding volume of 13x25bags)	NABARD ME 2022-23		1200.00	M3	21144.00
17	4.95	M3	Cost of transport of Farmyard manure for filling bags 1/5th of total volume (excluding volume of 13x25 bags)	NABARD ME 2022-23		1200.00	M3	5940.00
18	2100	Nos	Preparation of soil mixture by breaking clods,seiving, mixing fertile earth (including redsoil, silt and sand according to requiements) and farmyard manure in the reation of 4:1.heaping at the filling site and filling in poly bags 30x45cm arranging bags in beds and pricking out the seedling (excluding cost of soil mixture and FYM)	4.6.7	28.57	13949.30	1000	29294.00
19	21.00	Maz	Labour cost of transplanting seedlings from 13x25 cm container bags into 30x45 cm containers 10maz/1000	FSR wages rate		488.25	each	10253.00
20	73.50	Kg	Cost of Vermicasting @ 35gm / container	SFRI rate		10.00	each	735.00
21	31.50	Kg	Cost of Vam @ 15gm /container	SFRI rate		18.00	each	567.00
22	12.60	Kg	Cost of Azospirillum @ 6gm/ container	SFRI rate		27.00	each	340.00
23	12.60	Kg	Cost of phosphobacteria @ 6gm/ container	SFRI rate		27.00	each	340.00
24	5250	RM	Cost of vertical strick - 2.50 mts height	PWDSS R 132d		17.50	RM	91875.00
25	2100	Mtrs	Cost of Horizontal strick- 1m ht	PWDSS R 132d		17.50	Mtrs	36750.00
26	2100	Nos	Tying plants to vertical stick one in a month 2times	LR		0.50	Each/ time	2100.00
27	2100	Nos	Pruning side branches once in 3 months - 3 times	LR		1.00	Each/ time	6300.00

28			Watering the container plants with rose can watering regime approved PCCF's Ref.No.J1/57395/2003, dt:12.12.2003					
	2100	Nos	Twice daily - 30days	4.10.7	0.56	273.42	1000	17225.00
	2100	Nos	Once daily - 120 days	4.11.7	0.28	136.71	1000	34451.00
29	2100	Nos	Shifting the container plants weedling grading and replacement of casualities in the bags -shifting to done once in 21dyas, 1shiting not before 45days after pricking out -6 shifts	4.15.7	2.69	1313.39	1000	16549.00
30	2100	Nos	Nursery protection mazdoor 1 No/20000 Nos of 30x45 cm bags for 150 days	FSR 2021-22		488.25	20000	7690.00
31	2100	Nos	Cost and application of Pesticides and fungicides -3 times	LR		0.50	1	3150.00
32	100	mts	Purchase of Hose pipe	LR		50.00	1	5000.00
33	LS		Contingencies for unforeseen items if any					1592.00
TOTAL								336000.00
Rupees Three lakhs Thirty Six thousand only.								

Rate calculated for 2022-23 Rs. 336000.00

1 seedling Rate for 2022-23 Rs. 160.00 Per seedling

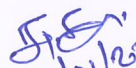
10% Escalation charges Rs. 16.00

1 seedling Rate for 2023-24 Rs. 176.00


Forest Range Officer
Tambaram Range
Tambaram

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DISTRICT FOREST OFFICER
CHENNAI FOREST DIVISION
CHENNAI-600 006.


12/01/23

Model Estimate for Maintenance of Nursery

Size of Polybags : 30x45 cm
 Period of Nursery : 6 Months
 Wages Rate: Rs. :488.25

No of Seedlings : 1909 Nos
 (+) casualties : 191 Nos
 Total :2100 Nos

Sl. No	Qty	Details of Work	FSR Item No	FSL	Rate	Per	Amount
1		Watering the container plants with rose can watering regime approved PCCF's Ref.No.J1/57395/2003, dt:12.12.2003					
	2100 Nos	Alternate days-90 days (180 days)	4.11.7	0.28	136.71	1000	25838.00
2	2100 Nos	Shifting the container plants weeding grading and replacement of casualties in the bags - shifting to done once in 21days - 9 shifts	4.15.7	2.69	1313.39	1000	24823.00
3	2100 Nos	Tying plants to vertical stick one in a month 2times	LR		0.25	Each/time	1050.00
4	2100 Nos	Nursery protection mazdoor 1 No/20000 Nos of 30x45 cm bags for 180 days	FSR 2022-23		488.25	20000	9228.00
5	2100 Nos	Cost and application of Pesticides and fungicides 3 times	LR		0.50	1	3150.00
6	2100 Nos	Pruning side branches once in 3 months - 2 times	LR		1.00	Each/time	4200.00
		Contingencies					1711.00
TOTAL							70000.00

Cost per seedling 2022-23 Rs. 33.33
10% Escalation Charges Rs. 3.33
Cost per seedling 2023-24 Rs. 36.66
10% Escalation Charges Rs. 3.66
Cost per seedling 2024-25 Rs. 40.32

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 Forest Range Officer
 Tambaram Range
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 12/01/23

Model Estimate for planting

Size of Polybags : 30x45 cm

No of Seedlings : 1909 Nos

Wages Rate : Rs.488.25

Adopting FSR of 2022-23

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1909	Nos	Aligning and marking the plantations in the block	as per based on FSR 5.2.2		673.79	1000	1286.00
2	1909	Nos	Digging of 60cm ³ pits in hard gravelly soil / soft rock along the State Highway during non rainy season	as per based on FSR 5.8.1		4521.20	100	86310.00
3	15.27	m3	Cost and transport of farmyard manure each plant (0.20x0.20x0.20=0.008x1909=15.27 m3)	Local rate		1200	1	18324.00
4	1909	Nos	Cost of Gypsum including application charges	LR		10	1 No	19090.00
5	122.17	m3	Collectoin and supply of redsoil, sand and silt according to the requirement 2/3 of the pit (0.40x0.40x0.40=.064x1909=122.17 m3)	LR		1200.00	1 M3	146604.00
6	2100	Nos	Transport of container seedlings in private vehicles upto a lead of 10Kms. Excluding load and unloading charges @ 2000/Load	NHAI & MTP ME		10.00	1 No	21000.00
7	2100	Nos	Loading & Unloading the Container plants charges in private vehicle upto lead of 2 Km	5.11.7	3.29	1606.34	1000 Nos	3373.00
8			Transporting of container seedlings by head loads in the places where approach road is not available to take vehicles to planting site					
	1050	Nos	a. upto 200 mts	5.13.1	15	5370.75	1000	5639.00
	1050	Nos	b. upto 500 mts	5.13.2	30	14647.50	1000	15380.00
9			Distribution of saplings from where seedlings are stocked to the planting spot upto 100mts.					
	700	Nos	Upto 100 m	5.15.1	10	4882.50	1000 Nos	3418.00
	700	Nos	Upto 200 m	5.15.2	17.5	8544.38	1000 Nos	5981.00
	700	Nos	Upto 500 m	5.15.3	41	20018.25	1000 Nos	14013.00
10	1909	Kg	Cost of Vermicompost 1kg / plant	SFRI rate		10.00	1	19090.00
11	191	Kg	Cost of VAM 100g/ Plant	SFRI rate		18.00	1	3438.00
12	23.86	Kg	Cost of Azospirillum 12.5g/ Plant	SFRI rate		27.00	1	644.00
13	23.86	Kg	Cost of Phospobacteria 12.5g/ Plant	SFRI rate		27.00	1	644.00

14	1909	Nos	Planting the Container plants by refilling pits of size 60 cm ³	as per based on FSR 5.22		834.91	100 Nos	15938.00
15	4772.5	RM	Provision of vertical casurina poles 5cm to 8cm girth and 2.50 m height per plant	PWD SSR 132d		17.50	1 RM	208797.00
16	191	Nos	Replacement of casualties by reopening failed pits and planting the saplings (1/2 pitting rate + full planting rate)	5.23	3.11	3095.51	100 Nos	5912.00
17	1909	Nos	Scrapling 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		600.55	100 Nos	11464.00
18	1909	Nos	Forming catch water drains for each plant in plains 90 cm x 45 cm x 30 cm size in hard gravelly soil	5.26	6.84	3339.63	100 Nos	63754.00
19	572700	Ltrs	Cost of water @ 20 liter per seedlings 20 watering days (20x1909x15=572700Ltrs)	As per NHAI- ME		1200.00	12000	57270.00
20	1909	Nos	Watering the plants once in 6 days during non rainy period (from Jan to March) 200 Plants per mazdoor - 15 watering days	As per NHAI ME		488.25	200 Nos	69905.00
21	2	Nos	Engaging protection mazdoor @ 1 Mazdoor/1000 plants (from Oct to March) 25days per month - 150 days	FSR wages rates		488.25	1Maz	146475.00
23	100	mts	Purchase of 1.5 inch dia Hose pipe for watering the saplings	LR		50.00	1	5000.00
24	LS		Contingencies for application of pesticides etc. and unforeseen items towards diesel for vehicles and other contingent expenditures					6251.00
TOTAL								955000.00

Cost per Planting- 2022-23 = 500.262

10% Escalation charges = 49.76

Cost per planting 2023-24= 550.022

10% Escalation charges = 54.74

Cost per planting 2024-25= 604.762

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Forest Range Officer
Tambaram Range
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JFV
12/01/23

Model Estimate for Ist Year Maintenance

Size of Polybags :30x45cm

Raising Targat

1909 Nos

Replacement of Casualties : 10%

191 Nos

Wages Rate

Rs. 488.25

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
A. NUSERY OPERATION								
1	191	Nos	Raising cost of seedlings in 30 x 45 size polythene bags(As per nursery estimate)	As per nursery estimate	-	244.69	1 No	46735
B.PLANTING OPERATION								
1	191	No	Cost and transport of Farm yard manure each plants 0.60x0.60x0.20=0.072m3/pit	Nabard M.E 2022-23		1500.00	1 m3	21000
	14	M3						
2	478	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	1167
3	191	Nos	Transporting saplings(transported in the radius of 40 kms)excluding loading and unloading in Private vehicle	NHAI ME	-	7.00	1	1337
4	191	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	307
5			Distribution of seedlings in the site C. plants upto 500mtrs - in plains					
a	191	Nos	Upto 100mt	5.15.1	10	4882.50	1000 Nos	933
b	191	Nos	Upto 200mt	5.15.2	17.5	8544.38	1000 Nos	1632
c	191	Nos	Upto 500mt	5.15.2	41	20018.25	1000 Nos	3823
6	191	Nos	Replacement of casualties by reopening failed pits and planting the seedlings	5.23	5.57	2719.55	100 Nos	5194
7	1909	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	11464

SI. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
8	1909	Nos	Cost of Bio Fertilizers including cost of application Vermicompost 1 kg, Bio fertilizer 100 gms VAM 100 gms	NHAI ME		7.70	1	14699
9	1260000	Ltrs	Cost of water @ 20 liter per seedling 30 watering days (2100x20x30=1260000Ltrs)	NHAI ME		1200.00	12000 Ltrs	126000
10	1909	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	9321
11	2	No	Engaging protection Mazdoor @1 Mazdoor from April to March -12 months(25days /month)	FSR wage rate		488.25	1	292950
12	LS		Contingencies and unforeseen expenditure to be restricted to as per actual.					3984
TOTAL								540547

Rate calculated for 2022-23 for

1000 nos for Rs **540547**

Cost of seedlings for 2022-23 **540.55 per seedling**
Add 10 % escalation for 2023-24 54.05
Cost of seedlings for 2023-24 594.60 per seedling
Add 10 % escalation for 2024-25 59.46
Cost of seedlings for 2024-25 654.06 per seedling
Add 10 % escalation for 2025-26 65.41
Cost of seedlings for 2025-26 719.47 per seedling

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Tambaram Range
Tambaram

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12/01/2023

Model Estimate for 2nd Year Maintenance

Size of Polybags :30x45cm

Raising Targat 1909 Nos

Replacement of Casualties : 10% 190.9 Nos

Wages Rate Rs. 488.25

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1909	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	11464
2	1909	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	14699
3	1260000	Ltrs	Cost of water @ 20 liter per seedlings 30 watering days (2100x20x30=1260000Ltrs)	NHAI ME	-	1200.00	12000 Ltrs	126000
4	1909	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	139810
5	2	Nos	Engaging protection Mazdoor @1 Mazdoor (3 months) (25days /month)	FSR wage rate-2022-23	-	488.25	1	73238
6	LS		Contingencies for application of pesticides etc. and unforeseen items if any	LS				4788
TOTAL								370000

Rate calculated for 2022-23 for 1000 nos for Rs 370000

Cost of seedlings for 2022-23 370.00 per seedling

Add 10 % escalation for 2023-24 37.00

Cost of seedlings for 2023-24 407.00 per seedling

Add 10 % escalation for 2024-25 40.70

Cost of seedlings for 2024-25 447.70 per seedling

Add 10 % escalation for 2025-26 44.77

Cost of seedlings for 2025-26 492.47 per seedling

Add 10 % escalation for 2026-27 49.25

Cost of seedlings for 2026-27 541.72 per seedling

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5/5/1
12/01/2023

Forest Range Officer,
Tamabram Range,
Tamabram

Model Estimate for 3rd Year Maintenance

Size of Polybags :30x45cm

Raising Targat 1909 Nos

Replacement of Casulaties : 10% 190.9 Nos

Wages Rate Rs. 488.25

SI. No	Qty	Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1909 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	11464
2	1909 Nos	Cost of Bio Fertilizers including cost of application Vermicompose 1 kg, Bio fertilizer 100 gms VAM 100 gms	NHAI ME	-	7.70	1kg	14699
3	1260000 Ltrs	Cost of water @ 20 liter per seedling 45 watering days (20x2100x30=1260000Ltrs)	As per ME		1200.00	12000 Ltrs	126000
4	1909 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	139810
5	2 Nos	Engaging protection Mazdoor @1 Mazdoor (3 months) (25days /month)	FSR wage rate	-	488.25	1 Nos	73238
6	LS	Contingencies for application of pesticides etc. and unforeseen items if any		LS			4788
TOTAL							370000

Rate calculated for 2022-23 for 1000 nos for Rs 370000

Cost of seedlings for 2022-23 370.00 per seedling
 Add 10 % escalation for 2023-24 37.00
Cost of seedlings for 2023-24 407.00 per seedling
 Add 10 % escalation for 2024-25 40.70
Cost of seedlings for 2024-25 447.70 per seedling
 Add 10 % escalation for 2025-26 44.77
Cost of seedlings for 2025-26 492.47 per seedling
 Add 10 % escalation for 2026-27 49.25
Cost of seedlings for 2026-27 541.72 per seedling
 Add 10 % escalation for 2027-28 54.17
Cost of seedlings for 2027-28 595.89 per seedling

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 Forest Range Officer,
 Tamabram Range,
 Tamabram

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 DISTRICT FOREST OFFICER
 CHENNAI FOREST DIVISION

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 12/01/2023

Model Estimate for 4th Year Maintenance

Size of Polybags :30x45cm

Raising Targat 1909 Nos

Replacement of Casualties : 10% 190.9 Nos

Wages Rate Rs. 488.25

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1909	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	11464
2	LS		Contingencies for application of pesticides etc. and unforeseen items if any	LS				536
TOTAL								12000

Rate calculated for 2022-23 for
1000 nos for Rs

12000

Cost of seedlings for 2022-23

12.00 per seedling

Add 10 % escalation for 2023-24

1.20

Cost of seedlings for 2023-24

13.20 per seedling

Add 10 % escalation for 2024-25

1.32

Cost of seedlings for 2024-25

14.52 per seedling

Add 10 % escalation for 2025-26

1.45

Cost of seedlings for 2025-26

15.97 per seedling

Add 10 % escalation for 2026-27

1.60

Cost of seedlings for 2026-27

17.57 per seedling

Add 10 % escalation for 2027-28

1.76

Cost of seedlings for 2027-28

19.33 per seedling

Add 10 % escalation for 2028-29

1.93

Cost of seedlings for 2028-29

21.26 per seedling


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Tamabram Range,
Tamabram

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CHENNAI-600 036

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12/01/23

Model Estimate for 5th Year Maintenance

Size of Polybags :30x45cm

Raising Targat 1909 Nos

Replacement of Casulaties : 10% 190.9 Nos

Wages Rate Rs. 488.25

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1909	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	0.28	600.55	100 Nos	11464
2	LS		Contingencies for application of pesticides etc. and unforeseen items if any					536
TOTAL								12000

Rate calculated for 2022-23 for
1000 nos for Rs 12000

Cost of seedlings for 2022-23 12.00 per seedling

Add 10 % escalation for 2023-24 1.20

Cost of seedlings for 2023-24 13.20 per seedling

Add 10 % escalation for 2024-25 1.32

Cost of seedlings for 2024-25 14.52 per seedling

Add 10 % escalation for 2025-26 1.45

Cost of seedlings for 2025-26 15.97 per seedling

Add 10 % escalation for 2026-27 1.60

Cost of seedlings for 2026-27 17.57 per seedling

Add 10 % escalation for 2027-28 1.76

Cost of seedlings for 2027-28 19.33 per seedling

Add 10 % escalation for 2028-29 1.93

Cost of seedlings for 2028-29 21.26 per seedling

Add 10 % escalation for 2029-30 2.13

Cost of seedlings for 2029-30 23.39 per seedling


Forest Range Officer,
Tamabram Range,
Tamabram

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CHENNAI-600 006.


12/01/2023

Model Estimate for 6th Year Maintenance

Size of Polybags :30x45cm

Raising Targat 1909

Replacement of Casualties : 10% 190.9

Wages Rate 488.25

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1909	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	11464
2	LS		Contingencies for application of pesticides etc. and unforeseen items if any					536
TOTAL								12000

Rate calculated for 2022-23 for 1000 nos for Rs 12000

Cost of seedlings for 2022-23 12.00 per seedling

Add 10 % escalation for 2023-24 1.20

Cost of seedlings for 2023-24 13.20 per seedling

Add 10 % escalation for 2024-25 1.32

Cost of seedlings for 2024-25 14.52 per seedling

Add 10 % escalation for 2025-26 1.45

Cost of seedlings for 2025-26 15.97 per seedling

Add 10 % escalation for 2026-27 1.60

Cost of seedlings for 2026-27 17.57 per seedling

Add 10 % escalation for 2027-28 1.76

Cost of seedlings for 2027-28 19.33 per seedling

Add 10 % escalation for 2028-29 1.93

Cost of seedlings for 2028-29 21.26 per seedling

Add 10 % escalation for 2029-30 2.13

Cost of seedlings for 2029-30 23.39 per seedling

Add 10 % escalation for 2030-31 2.34

Cost of seedlings for 2030-31 25.72 per seedling

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CHENNAI-600 006.

Forest Range Officer,
Tamabram Range,
Tamabram

Model Estimate for 7th Year Maintenance

Size of Polybags :30x45cm

Raising Targat 1909 Nos

Replacement of Casualties : 10% 190.9 Nos

Wages Rate

Rs. 488.25

Sl. No	Qty		Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1909	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	11464
2	LS		Contingencies for application of pesticides etc. and unforeseen items if any					536
TOTAL								12000

Rate calculated for 2022-23 for
1000 nos for Rs

12000

Cost of seedlings for 2022-23

12.00 per seedling

Add 10 % escalation for 2023-24

1.20

Cost of seedlings for 2023-24

13.20 per seedling

Add 10 % escalation for 2024-25

1.32

Cost of seedlings for 2024-25

14.52 per seedling

Add 10 % escalation for 2025-26

1.45

Cost of seedlings for 2026-27

15.97 per seedling

Add 10 % escalation for 2026-27

1.60

Cost of seedlings for 2026-27

17.57 per seedling

Add 10 % escalation for 2027-28

1.76

Cost of seedlings for 2027-28

19.33 per seedling

Add 10 % escalation for 2028-29

1.93

Cost of seedlings for 2028-29

21.26 per seedling

Add 10 % escalation for 2029-30

2.126

Cost of seedlings for 2029-30

23.39 per seedling

Add 10 % escalation for 2030-31

2.34

Cost of seedlings for 2030-31

25.72 per seedling

Add 10 % escalation for 2031-32

2.57

Cost of seedlings for 2031-32

28.30 per seedling

Counter signed

DISTRICT FOREST OFFICER
CHENNAI FOREST DIVISION
CHENNAI-600 006.

Forest Range Officer,
Tamabram Range,
Tamabram

Model Estimate for 8th Year Maintenance

Size of Polybags :30x45cm

Raising Targat

1909 Nos

Replacement of Casulaties : 10%

190.9 Nos

Wages Rate

Rs. 488.25

SI. No	Qty	Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1909 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	11464
2	LS	Contingencies for application of pesticides etc. and unforeseen items if any					536
TOTAL							12000

Rate calculated for 2022-23 for
1000 nos for Rs

12000

Cost of seedlings for 2022-23	12.00	per seedling
Add 10 % escalation for 2023-24	1.20	
Cost of seedlings for 2023-24	13.20	per seedling
Add 10 % escalation for 2024-25	1.32	
Cost of seedlings for 2024-25	14.52	per seedling
Add 10 % escalation for 2025-26	1.45	
Cost of seedlings for 2025-26	15.97	per seedling
Add 10 % escalation for 2026-27	1.60	
Cost of seedlings for 2026-27	17.57	per seedling
Add 10 % escalation for 2027-28	1.76	
Cost of seedlings for 2027-28	19.33	per seedling
Add 10 % escalation for 2028-29	1.93	
Cost of seedlings for 2028-29	21.26	per seedling
Add 10 % escalation for 2029-30	2.13	
Cost of seedlings for 2029-30	23.38	per seedling
Add 10 % escalation for 2030-31	2.34	
Cost of seedlings for 2030-31	25.72	per seedling
Add 10 % escalation for 2031-32	2.57	
Cost of seedlings for 2031-32	28.30	per seedling
Add 10 % escalation for 2032-33	2.83	
Cost of seedlings for 2032-33	31.12	per seedling

Counter Signed


Forest Range Officer,
Tamabram Range,
Tamabram


DISTRICT FOREST OFFICER
CHENNAI FOREST DIVISION


12/9/23 CHENNAI-600 006,

Model Estimate for 9th Year Maintenance

Size of Polybags :30x45cm

Raising Targat 1909 Nos

Replacement of Casulaties : 10% 190.9 Nos

Wages Rate Rs. 488.25

Sl. No	Qty	Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1909 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	11464
2	LS	Contingencies for application of pesticides etc. and unforeseen items if any					536
TOTAL							12000

Rate calculated for 2022-23 for 1000 nos for Rs 12000

Cost of seedlings for 2022-23	12.00	per seedling
Add 10 % escalation for 2023-24	1.20	
Cost of seedlings for 2023-24	13.20	per seedling
Add 10 % escalation for 2024-25	1.32	
Cost of seedlings for 2024-25	14.52	per seedling
Add 10 % escalation for 2025-26	1.45	
Cost of seedlings for 2025-26	15.97	per seedling
Add 10 % escalation for 2026-27	1.60	
Cost of seedlings for 2026-27	17.57	per seedling
Add 10 % escalation for 2027-28	1.76	
Cost of seedlings for 2027-28	19.33	per seedling
Add 10 % escalation for 2028-29	1.93	
Cost of seedlings for 2028-29	21.26	per seedling
Add 10 % escalation for 2029-30	2.13	
Cost of seedlings for 2029-30	23.39	per seedling
Add 10 % escalation for 2030-31	2.34	
Cost of seedlings for 2030-31	25.72	per seedling
Add 10 % escalation for 2031-32	2.57	
Cost of seedlings for 2031-32	28.30	per seedling
Add 10 % escalation for 2032-33	2.83	
Cost of seedlings for 2032-33	31.13	per seedling
Add 10 % escalation for 2033-34	3.11	
Cost of seedlings for 2033-34	34.24	per seedling

Counter Signed

Forest Range Officer,
Tamabram Range,
Tamabram

DISTRICT FOREST OFFICER

CHENNAI FOREST DIVISION

CHENNAI-600 006

Model Estimate for 10th Year Maintenance

Size of Polybags :30x45cm

Raising Targat 1909 Nos

Replacement of Casualties : 10% 190.9 Nos

Wages Rate Rs. 488.25

SI. No	Qty	Details of Work	FSR Item No	FSL	Rate	Per	Amount
1	1909 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	11464
2	LS	Contingencies for application of pesticides etc. and unforeseen items if any					494
TOTAL							11958

Rate calculated for 2022-23 for 1000 nos for Rs

11958

Cost of seedlings for 2022-23

11.96 per seedling

Add 10 % escalation for 2023-24

1.20

Cost of seedlings for 2023-24

13.15 per seedling

Add 10 % escalation for 2024-25

1.32

Cost of seedlings for 2024-25

14.47 per seedling

Add 10 % escalation for 2025-26

1.45

Cost of seedlings for 2025-26

15.92 per seedling

Add 10 % escalation for 2026-27

1.59

Cost of seedlings for 2026-27

17.51 per seedling

Add 10 % escalation for 2027-28

1.75

Cost of seedlings for 2027-28

19.26 per seedling

Add 10 % escalation for 2028-29

1.93

Cost of seedlings for 2028-29

21.19 per seedling

Add 10 % escalation for 2029-30

2.12

Cost of seedlings for 2029-30

23.30 per seedling

Add 10 % escalation for 2030-31

2.33

Cost of seedlings for 2030-31

25.63 per seedling

Add 10 % escalation for 2031-32

2.56

Cost of seedlings for 2031-32

28.20 per seedling

Add 10 % escalation for 2032-33

2.82

Cost of seedlings for 2032-33

31.02 per seedling

Add 10 % escalation for 2033-34

3.10

Cost of seedlings for 2033-34

34.12 per seedling

Add 10 % escalation for 2034-35

3.41

Cost of seedlings for 2034-35

37.53 per seedling

[Signature]
Forest Range Officer,
Tamabram Range,
Tamabram

Counter Signed

[Signature]

DISTRICT FOREST OFFICER

CHENNAI FOREST DIVISION

[Signature]
10/11/22 CHENNAI-600 006

DETAILS OF FINANCIAL OUTLAY FOR COMPENSATORY AFFORESTATION

Sl. No	Details	Physical Target		Unit Cost		Amount	Remarks
1	Plantation of 2 times area 0.95472 Ha in the degraded forest area (Eco - 4) as the non-availability of non-forest area. Number of seedlings 1000 per Ha						
a.	Raising Nursery (2023-24)	1.90944	Ha	176.00	1 No	369600	1909 Seedlings are proposed to be planted in 1.90944 Ha degraded forest area in Vandalur RF and it will be maintained for a period of 10 years
b.	Maintenance of Nursery (2024-25)			40.32	1 No	84672	
c.	Planting(2024-25)			605.00	1 No	1154945	
d.	1 st year (2025-26)			719.47	1 No	1373468	
e.	2 nd year(2026-27)			541.72	1 No	1034143	
f.	3 rd year(2027-28)			595.89	1 No	1137554	
g.	4 th year(2028-29)			21.26	1 No	40585	
h.	5 th year (2029-30)			23.39	1 No	44652	
i.	6 th year (2030-31)			25.72	1 No	49099	
k.	7 th year(2031-32)			28.30	1 No	54025	
l.	8 th year(2032-33)			31.12	1 No	59408	
m.	9 th year(2033-34)			34.24	1 No	65364	
n.	10 th year(2034-35)	37.53	1 No	71532			
	GRAND TOTAL					55,39,047	

Rs. 55,39,047/- (Rupees Fifty Five lakhs thirty nine thousand and forty seven Only)


 Forest Range Officer,
 Tambaram Range ,
 Tambaram

Counter signed


 DISTRICT FOREST OFFICER
 CHENNAI FOREST DIVISION
 CHENNAI-600 006.
 12/01/2023