

**COMPENSATORY AFFORESTATION AT MUNIYAPPAN LAKE IN POINT CALIMERE WILDLIFE  
SANCTUARY**

**PLAN OF ACTION & COST TABLE**

Sl. No.	YEAR	PLAN OF ACTION	NOS	UNIT	RATE PER UNIT (in Rupees)	AMOUNT REQUIRED (In Rupees)
1	2023-24	Raising Nursery (including 10% casualty)	5610	Seedling	134.20	752862
2	2024-25	Maintenance of Nursery (including 10% casualty)	5610	Seedling	65.34	366557
		Planting of Taller Seedlings	5100	Seedling	1135.34	5790234
3	2025-26	1st year Maintenance	5100	Seedling	566.35	2888385
		Barbed Wire fencing	1500	RM	400.00	600000
4	2026-27	2nd year Maintenance	5100	Seedling	633.41	3230381
5	2027-28	3rd year Maintenance	5100	Seedling	676.43	3449778
6	2028-29	4th year Maintenance	5100	Seedling	766.424	3908762
7	2029-30	5th year Maintenance	5100	Seedling	308.11	1571371
8	2030-31	6th year Maintenance	5100	Seedling	74.205	378446
9	2031-32	7th year Maintenance	5100	Seedling	0.00	0
10	2032-33	8th year Maintenance	5100	Seedling	0.00	0
11	2033-34	9th year Maintenance	5100	Seedling	0.00	0
12	2034-35	10th year Maintenance	5100	Seedling	0.00	0
		<b>Total</b>				<b>22936776</b>

**(Rupees Two crore twenty nine lakhs thirty six thousand seven hundred and seventy six only)**

*Yang 31/5/22*  
Wildlife Warden  
Nagapattinam

*21/5/22 31/5/2022*



# MODEL ESTIMATE FOR RAISING NURSERY FOR COMPENSATORY AFFORESTATION

**DURING 2023-24**

Total Nos : 1000

10% casualties : 100

Total : 1100

Species : Miscellaneous native seedlings

Period of Nursery 13 x 25cm 3 months &

30 x 45cm 9 months

Period covered in this estimate : 6 months

Wages Rate - Rs.460.25/day (2021-22)

Sl. No.	NAME OF WORK	FSR / SSR No.	QTY	UNIT	RATE (Rs)	PER	AMOUNT
	<b>PART-I -3 Months (13* 25 cm bag)</b>						
1	Preparation of Nursery site by clearing and levelling the site for forming 10 standard bed of size 10mx1m	4.1	200	M2	1113.81	200	1114.00
2	Cost of seeds	LR	2.2	Kgs	150.00	1	330.00
3	Cost of 13 cm x 25 cm - 200 GSM Polythene Bags Including GST 18%	Quotation rate	1100	Nos	725.00	1000	798.00
4	Forming germination beds of size 10x1x0.3m by heaping the soil	PWD SSR 2021-22 item 62	3	cu.m	96.60	1	290.00
5	Watering the germination beds twice daily with rose can (15 days)	4.5.1	1	bed days	377.41	10	567.00
6	Watering the germination beds once daily with rose can (15days)	4.5.2	1	bed days	188.70	10	284.00
7	Collection & supply of sand, silt and red soil according to the requirement for preparation of soil mixture 4/5th of the total volume.	As per MTP model estimate	2.91	cu.m	750.00	1	2183.00
8	Cost and transport of Farm yard manure for filling bags-1/5th of the total volume.	As per MTP model estimate	0.73	cu.m	750.00	1	548.00
9	Preparation of soilmixture by breaking clouds, seiving, mixing red soil, silt, sand according to requirement and Farmyard manure in the ratio of 4:1, heaping at the filling site and filling in polybags arranging bags in beds and pricking out the seedlings (excluding cost of soil mixture and FYM)	4.6.4	1100	Nos	2061.92	1000	2269.00
10	Cost of vermicasting @25 gram per seedlings.	As per research wing rate	27.5	kgs	10.00	1	275.00
11	Cost of VAM @ 10 gram per seedlings		11	kgs	18.00	1	198.00
12	Cost of Azospirillum @ 6 gm per seedlings		6.6	kgs	27.00	1	179.00
13	Cost of Phosphobacteria @ 6 gm per seedlings		6.6	kgs	27.00	1	179.00
14	Watering the container plants with rose cans watering regime as per the NHAI ME approved by PCCF ref.no.J1/57395/2003 DT.12.12.03						0.00
	A.Twice daily -15 days	4.10.4	1100	Nos	105.86	1000	1747.00
	B.Once daily -30 days	4.11.4	1100	Nos	52.93	1000	1747.00
	C.Alternate days -15days	4.11.4	1100	Nos	52.93	1000	874.00



15	Shifting the container plants, weeding, grading and replacement of casualties in the bags - shifting to done once in 21 days, 1 shifting not before 45 days after pricking out - 1 shifts	4.15.4	1100	Nos	234.73	1000	259.00
16	Land rent for nursery	LR	3	months	2000.00	1 Ha for 1 month	6000.00
17	Nursery protection mazdoors 1 no/100000 nos of 13x25 bags 75 days.	Wage rate	1100	Nos	460.25	100000	380.00
					<b>Part-I Sub Total</b>		<b>20221.00</b>
	<b>PART-II -3 Months</b>						
	<b>Period of Nursery (30 x 45 cm bag)</b>						
18	Cost of 30 x 45 cm - 400 GSM Polythene Bags	Quotation rate	1100	Nos	6250.00	1000	6875.00
19	Collection & supply of sand, silt and red soil according to the requirement for preparation of soil mixture 4/5th of the total volume. (excluding the volume of earth in 13x25cm containers)	As per MTP model estimate	25.06	M3	750.00	1	18795.00
20	Cost and transport of Farm yard manure for filling bags-1/5th of the total volume.	As per MTP model estimate	6.26	M3	750.00	1	4695.00
21	Preparation of soil mixture by breaking clouds, sieving, mixing red soil, silt, sand according to requirement and Farmyard manure in the ratio of 4:1, heaping at the filling site and filling in polybags arranging bags in beds and pricking out the seedlings (excluding cost of soil mixture and FYM)	4.6.7	1100	Nos	13149.34	1000	14465.00
22	Cost of vermicasting @100 gram per seedlings.	As per research wing rate	110	kgs	10.00	1	1100.00
23	Cost of VAM @ 40 gram per seedlings		44	kgs	18.00	1	792.00
24	Cost of Azospirillum @ 10 gm per seedlings		11	kg	27.00	1	297.00
25	Cost of Phosphobacteria @ 10 gm per seedlings		11	kg	27.00	1	297.00
26	Labour cost for transplanting seedlings from 13x25cm containers bags into 30x45cm containers 10maz/1000	NHAI ME	1100	Nos	460.25	100	5063.00
27	Cost of vertical stick of size 2.5 m	L.R	1100	Nos	8.00	1	8800.00
28	Cost of horizontal stick	L.R	550	mts	2.50	1	1375.00
29	Tying plants to the vertical stick once in a month -3 times	LS	1100	Nos	1.00	1	3300.00
30	Pruning side branches once in 2months - 1 time	LS	1100	Nos	2.00	1	2200.00
31	Watering the container plants with rose cans - watering regime as per the NHAI ME approved by PCCF ref.no.J1/57395/2003 dt:12.12.03						0.00
(a)	A.Twice daily -60 days	4.10.7	1100	Nos	257.74	1000	17011.00
(b)	B.Once daily -30 days	4.11.7	1100	Nos	128.87	1000	4253.00



32	Shifting the container plants, weeding, grading and replacement of casualties in the bags - shifting to done once in 21 days, 1 shifting not before 45 days after pricking out -3 shifts	4.15.4	1100	Nos	1238.07	1000	4086.00
33	Land rent for nursery	LR	3	months	2000.00	1 Ha for 1 month	6000.00
34	Nursery protection mazdoors 1 no/20000 nos of 13x25 bags 75 days.	Wage rate	1100	Nos	460.25	20000	1899.00
35	Contingencies for application of pesticides and panchagavya etc., and unforeseen items if any	LS					476.00
					Part-II Sub Total		101779.00
					Grand Total Part-I + Part-II		122000.00
					10% escalation for 2022-23		12200.00
					Total		134200.00
					10% escalation for 2023-24		13420.00
					Total cost for 1100 Nos		147620.00
					Cost per seedlings in 2023-24		134.20

*Y. Kumar*  
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**MODEL ESTMATE FOR MAINTANANCE OF NURSERY FOR COMPENSATORY AFFORESTATION  
DURING 2024-25**

Total Nos : 1000	Period of Nursery : 6 months
10% casualties : 100	Size of Polybag: 30x45cm
Total : 1100	Wages Rate - Rs.460.25/day (2021-22)
Species : Miscellaneous native seedlings	

Sl. No.	NAME OF WORK	FSR / SSR No.	QTY	UNIT	RATE (Rs)	PER	AMOUNT
<b>Nursery Maintanance - 30 x 45cm polybags</b>							
1	Watering the container plants with rose cans - watering regime as per the NHAI ME approved by PCCF ref.no.J1/57395/2003 dt:12.12.03						
(a)	Once daily -180 days	4.11.7	1100	Nos	128.87	1000	25517.00
2	Tying plants to the vertical stick once in a moth - 6 times	Ls	1100	Nos	1.00	1	6600.00
3	Pruning side branches once in 2 months 3 time	Ls	1100	Nos	2.00	1	6600.00
4	Shifting the container once in 21 days first shift after 45 days from the date of transporting - 8 times	4.15.8	1100	Nos	1238.07	1000	10896.00
5	Nursery protection mazdoors 1 no/20000 nos of 13x25 bags 150 days.	Wage rate	1100	Nos	460.25	20000	3798.00
6	Contingencies for application of pesticides and panchagavya etc., and unforeseen items if any	LS					589.00
					<b>Total</b>		<b>54000.00</b>
					<b>10% escalation for 2022-23</b>		<b>5400.00</b>
					<b>Total</b>		<b>59400.00</b>
					<b>10% escalation for 2023-24</b>		<b>5940.00</b>
					<b>Total</b>		<b>65340.00</b>
					<b>10% escalation for 2024-25</b>		<b>6534.00</b>
					<b>Total cost for 1100 Nos</b>		<b>71874.00</b>
					<b>Cost per seedlings in 2024-25</b>		<b>65.34</b>

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**MODEL ESTIMATE FOR PLANTING UNDER COMPENSATORY AFFORESTATION**  
**DURING 2024-25.**

<b>No. of Seedling : 1000 Nos</b> <b>10% Casualties: 100 Nos.</b> <b>Species : Miscellaneous native seedlings</b>	<b>PLANTING SIZE OF BAGS - 30 X 45cm</b> <b>Wages Rate - Rs.460.25/day (2021-22)</b>
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Sl. No.	NAME OF WORK	FSR / SSR No.	QTY	UNIT	RATE (Rs)	PER	AMOUNT
1	Preparation of Planting site by uprooting of prosopis juliflora (40% of the area)	PWD SSR 2021-22 Annexure-III Item 9c	4000	M2	7.70	1	30800.00
2	Aligning for strip plantation including avenues	5.2	1000	Nos	635.15	1000	636.00
3	Digging of 60cm pits in all types of soil for avenue plantation during rainy season.	5.8.2	1000	Nos	3553.13	100	35532.00
4	Collection Charges for Farmyard manure 1/3 of the pit (0.6x0.6x0.2)=0.072M3	MTP ME	72	M3	750.00	1	54000.00
5	Application Charges for red soil & Farmyard manure for 60 CM3 pit @ 1 Maz /30 Nos.	Wage rate	1000	Nos	460.25	30	15342.00
6	Collection & supply of sand, silt and red soil according to the requirement 1/3 of the pit (0.6x0.6x0.2)=0.072M3.	MTP ME	72	M3	750.00	1	54000.00
7	Cost of Azospirillum 13 gram/plant	MND DPI Rate	13	kg	27.00	1	351.00
8	Cost of Phosphobacteria 13 gram/plant	MND DPI Rate	13	kg	27.00	1	351.00
9	Cost of Vermicasting 1kg/plant	MND DPI Rate	1000	kg	10.00	1	10000.00
10	Cast of VAM 30 gram/plant	MND DPI Rate	30	kg	18.00	1	540.00
11	Application Charges for Biofertilizers @ 1 Maz /45 Nos.	Wage rate	1000	Nos	460.25	45	10228.00
12	Cost of Gypsum including application charges	MND DPI Rate	1000	Kg	10.00	1	10000.00
13	Transporting the container seedlings in private vehicles up to a lead of 30 kms. Excluding load and unloading charges.	RS ME	1100	Nos	6.00	1	6600.00
14	Loading and unloading the container seedlings (30*45) in Private Lorry excluding hire charges for the vehicles.	5.11.7	1100	Nos	1514.22	1000	1666.00
15	Distribution of seedlings from where seedlings are stocked to the planting spot up to 100 mts.	5.15.2	1100	Nos	4602.50	1000	5063.00
16	Planting the container seedlings by refilling 60cm3 pits.	5.22	1000	Nos	787.03	100	7871.00
17	Mulching the planted seedlings at 100 gms coconut coir pith per pit.	LR	1000	Nos	30.00	1	30000.00



18	Replacement of causalities by reopening failed pits and planting the saplings (1/2 pitting rate + full planting rate)	5.23	100	Nos	2917.99	100	2918.00
19	Scraping for 1m dia and soil working 1.5cm depth around each plants and removing the grass roots away from the site of upturning the soil.	5.24	1000	Nos	566.11	100	5662.00
20	Watering the plants once in 6 days during summer/non-rainy period from Jan 2025 to March 2025@ one mazdoors for 200 plants/watering day (15 watering days)	As per ME	1000	Nos	460.25	200	34519.00
21	Cost of water@ 20 lts per seedlings (Jan 2025 to March 2025) 3 months (15 watering days) at the rate once in 6 days 20x1000x15=300000 liters.	LR	300000	lts	1200.00	12000	30000.00
22	Provision of vertical Eucalyptus poles to the planted seedlings 2.50mtr ht. per plant 2500 mts (10cm - 13cm Dia)	PWD SSR 2021-22 P.No.22, Item No.90.1b	1000	Nos	23.60	1	59000.00
23	Providing kiluvai fencing to protect from grazing etc.,	5.36	1000	Nos	368.20	1	368200.00
24	Engaging Protection Mazdoors@ 1Mazdoors/1000 plants@ 25days per month for 6 months.	FSR wages rate	150	Days	460.25	1	69038.00
25	Providing name board	LR	1	No	10000.00	1	10000.00
26	Contingencies and unforeseen expenditure to be restricted to as per actuals.	LS					683.00
					<b>Sub Total</b>		<b>853000.00</b>
					<b>10% escalation for 2022-23</b>		<b>85300.00</b>
					<b>Total</b>		<b>938300.00</b>
					<b>10% escalation for 2023-24</b>		<b>93830.00</b>
					<b>Total</b>		<b>1032130.00</b>
					<b>10% escalation for 2024-25</b>		<b>103213.00</b>
					<b>Total cost for 1000 Nos</b>		<b>1135343.00</b>
					<b>Cost per seedlings in 2024-25</b>		<b>1135.34</b>

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31/5/2022



**MODEL ESTIMATE FOR 1st YEAR MAINTENANCE OF COMPENSATORY AFFORESTATION DURING  
2025-26.**

No. of Seedling : 1000 Nos 10% Casualties: 100 Nos.		SIZE OF BAGS - 30 X 45cm Wages Rate - Rs.460.25/day					
Sl. No.	NAME OF WORK	FSR / SSR No.	QTY	UNIT	RATE (Rs)	PER	AMOUNT
1	Cost of Taller Seedlings		100	Nos	200.00	1	20000.00
2	Transporting seedlings (transported to the radius of 50 kms.) excluding loading and unloading.	ME	100	Nos	10.00	1	1000.00
3	Loading and unloading the polythene container seedlings In private/department vehicle (excluding hire charges.)	5.11.7	100	Nos	1514.22	1000	152.00
4	Distribution of seedlings from where seedlings are stocked to the planting spot up to 100 mts.	5.15.2	100	Nos	4602.50	1000	461.00
5	Replacement of casualties by reopening failed pits and planting the container plants and	5.23/5.27	100	M3	2917.99	100	2918.00
6	Scrap weeding for 1m dia and soil working 15cm depth around each plant and removing the grass roots away from the site by upturning the soil.	5.24	1000	Nos	566.11	100	5662.00
7	Watering the plants once in 6 days during summer/non-rainy period from April 2025 to Mar 2026 (45 watering days/one Mazdoors for every 200 plants)	As per ME	1000	Nos	460.25	200	103557.00
8	Cost of water@ 20 its per seedlings (April 2025 to Mar 2026) (45 watering days) at the rate once in 6 days 1000x45x20=900000 liters.	As per ME	900000	Lts	1200.00	12000	90000.00
9	Engaging Protection Mazdoors@ 1Mazdoors/1000 plants for Road avenue from Apr'2025 to Mar'2026 @25 days per month for 12 months.	FSL Wages rate	300	Days	460.25	1	138075.00
10	Purchase of Hose pipes, repairing the fence and equipments and cost of diesel etc.,	Ls	1000	Nos			25000.00
					<b>Sub Total</b>		<b>386825.00</b>
					<b>10% escalation for 2022-23</b>		<b>38682.00</b>
					<b>Total</b>		<b>425507.00</b>
					<b>10% escalation for 2023-24</b>		<b>42551.00</b>
					<b>Total</b>		<b>468058.00</b>
					<b>10% escalation for 2024-25</b>		<b>46806.00</b>
					<b>Total</b>		<b>514864.00</b>
					<b>10% escalation for 2025-26</b>		<b>51486.00</b>
					<b>Total</b>		<b>566350.00</b>
					<b>Cost per seedlings 2025-26</b>		<b>566.35</b>

*January 31/5/22*  
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*3/10/22*  
*31/5/2022*



**MODEL ESTIMATE FOR 2nd YEAR MAINTENANCE OF COMPENSATORY AFFORESTATION DURING  
2026-27.**

**No. of Seedling : 1000 Nos**  
**10% Casualties: 100 Nos.**

**SIZE OF BAGS - 30 X 45cm**  
**Wages Rate - Rs.460.25/day**

Sl. No.	NAME OF WORK	FSR / SSR No.	QTY	UNIT	RATE (Rs)	PER	AMOUNT
1	Cost of Taller Seedlings		100	Nos	200.00	1	20000.00
2	Transporting seedlings (transported to the radius of 50 kms.) excluding loading and unloading.	ME	100	Nos	10.00	1	1000.00
3	Loading and unloading the polythene container seedlings In private/department vehicle (excluding hire charges.)	5.11.7	100	Nos	1514.22	1000	152.00
4	Distribution of seedlings from where seedlings are stocked to the planting spot up to 100 mts.	5.15.2	100	Nos	4602.50	1000	461.00
5	Replacement of casualties by reopening failed pits and planting the container plants	5.23/5.27	100	M3	2917.99	100	2918.00
6	Scrap weeding for 1m dia and soil working 15cm depth around each plant and removing the grass roots away from the site by upturning the soil.	5.24	1000	Nos	566.11	100	5662.00
7	Watering the plants once in 6 days during summer/non-rainy period from April 2025 to Mar 2026 (45 watering days/one Mazdoors for every 200 plants)	As per ME	1000	Nos	460.25	200	103557.00
8	Cost of water@ 20 its per seedlings (April 2025 to Mar 2026) (45 watering days) at the rate once in 6 days 1000x45x20=900000 liters.	As per ME	900000	Lts	1200.00	12000	90000.00
9	Engaging Protection Mazdoors@ 1Mazdoors/1000 plants for Road avenue from Apr'2025 to Mar'2026 @25 days per month for 12 months.	FSL Wages rate	300	Days	460.25	1	138075.00
10	Cost of Azospirillum 13 gram/plant	MND DPI Rate	13	kg	27.00	1	351.00
11	Cost of Phosphobacteria 13 gram/plant	MND DPI Rate	13	kg	27.00	1	351.00
12	Cost of Vermicasting 1kg/plant	MND DPI Rate	1000	kg	10.00	1	10000.00
13	Cast of VAM 30 gram/plant	MND DPI Rate	30	kg	18.00	1	540.00



14	Application Charges for Biofertilizers @ 1 Maz /45 Nos.	Wage rate	1000	Nos	460.25	45	10228.00
15	Cost of Gypsum including application charges	MND DPI Rate	1000	Kg	10.00	1	10000.00
						<b>Sub Total</b>	<b>393295.00</b>
						<b>10% escalation for 2022-23</b>	<b>39330.00</b>
						<b>Total</b>	<b>432625.00</b>
						<b>10% escalation for 2023-24</b>	<b>43263.00</b>
						<b>Total</b>	<b>475888.00</b>
						<b>10% escalation for 2024-25</b>	<b>47589.00</b>
						<b>Total</b>	<b>523477.00</b>
						<b>10% escalation for 2025-26</b>	<b>52348.00</b>
						<b>Total</b>	<b>575825.00</b>
						<b>10% escalation for 2026-27</b>	<b>57583.00</b>
						<b>Total</b>	<b>633408.00</b>
						<b>Cost per seedlings 2026-27</b>	<b>633.41</b>

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31/5/2022



**MODEL ESTIMATE FOR 3rd YEAR MAINTENANCE OF COMPENSATORY AFFORESTATION DURING 2027-**

**28**

**No. of Seedling : 1000 Nos**  
**10% Casualties: 100 Nos.**

**SIZE OF BAGS - 30 X 45cm**  
**Wages Rate - Rs.460.25/day**

Sl. No.	NAME OF WORK	FSR / SSR No.	QTY	UNIT	RATE (Rs)	PER	AMOUNT
1	Cost of Taller Seedlings		100	Nos	200.00	1	20000.00
2	Transporting seedlings (transported to the radius of 50 kms.) excluding loading and unloading.	ME	100	Nos	10.00	1	1000.00
3	Loading and unloading the polythene container seedlings In private/department vehicle (excluding hire charges.)	5.11.7	100	Nos	1514.22	1000	152.00
4	Distribution of seedlings from where seedlings are stocked to the planting spot up to 100 mts.	5.15.2	100	Nos	4602.50	1000	461.00
5	Replacement of casualties by reopening failed pits and planting the container plants and	5.23/5.27	100	M3	2917.99	100	2918.00
6	Scrap weeding for 1m dia and soil working 15cm depth around each plant and removing the grass roots away from the site by upturning the soil.	5.24	1000	Nos	566.11	100	5662.00
7	Watering the plants once in 6 days during summer/non-rainy period from April 2025 to Mar 2026 (45 watering days/one Mazdoors for every 200 plants)	As per ME	1000	Nos	460.25	200	103557.00
8	Cost of water@ 20 its per seedlings (April 2025 to Mar 2026) (45 watering days) at the rate once in 6 days 1000x45x20=900000 liters.	As per ME	900000	Lts	1200.00	12000	90000.00
9	Engaging Protection Mazdoors@ 1Mazdoors/1000 plants for Road avenue from Apr'2025 to Mar'2026 @25 days per month for 12 months.	FSL Wages rate	300	Days	460.25	1	138075.00
10	Purchase of Hose pipes, repairing the fence and equipments and cost of diesel etc.,	Ls	1000	Nos			20000.00
					<b>Sub Total</b>		<b>381825.00</b>
					<b>10% escalation for 2022-23</b>		<b>38183.00</b>
					<b>Total</b>		<b>420008.00</b>
					<b>10% escalation for 2023-24</b>		<b>42001.00</b>
					<b>Total</b>		<b>462009.00</b>
					<b>10% escalation for 2024-25</b>		<b>46201.00</b>
					<b>Total</b>		<b>508210.00</b>
					<b>10% escalation for 2025-26</b>		<b>50821.00</b>
					<b>Total</b>		<b>559031.00</b>
					<b>10% escalation for 2026-27</b>		<b>55903.00</b>
					<b>Total</b>		<b>614934.00</b>
					<b>10% escalation for 2027-28</b>		<b>61493.00</b>
					<b>Total</b>		<b>676427.00</b>
					<b>Cost per seedlings 2027-28</b>		<b>676.43</b>

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**MODEL ESTIMATE FOR 4th YEAR MAINTENANCE OF COMPENSATORY AFFORESTATION  
DURING 2028-29.**

No. of Seedling : 1000 Nos 10% Casualties: 100 Nos.		SIZE OF BAGS - 30 X 45cm Wages Rate - Rs.460.25/day					
Sl. No.	NAME OF WORK	FSR / SSR No.	QTY	UNIT	RATE (Rs)	PER	AMOUNT
1	Cost of Taller Seedlings		100	Nos	200.00	1	20000.00
2	Transporting seedlings (transported to the radius of 50 kms.) excluding loading and unloading.	ME	100	Nos	10.00	1	1000.00
3	Loading and unloading the polythene container seedlings in private/department vehicle (excluding hire charges.)	5.11.7	100	Nos	1514.22	1000	152.00
4	Distribution of seedlings from where seedlings are stocked to the planting spot up to 100 mts.	5.15.2	100	Nos	4602.50	1000	461.00
5	Replacement of casualties by reopening failed pits and planting the container plants and	5.23/5.27	100	M3	2917.99	100	2918.00
6	Scrap weeding for 1m dia and soil working 15cm depth around each plant and removing the grass roots away from the site by upturning the soil.	5.24	1000	Nos	566.11	100	5662.00
7	Watering the plants once in 6 days during summer/non-rainy period from April 2025 to Mar 2026 (45 watering days/one Mazdoors for every 200 plants)	As per ME	1000	Nos	460.25	200	103557.00
8	Cost of water@ 20 its per seedlings (April 2025 to Mar 2026) (45 watering days) at the rate once in 6 days 1000x45x20=900000 liters.	As per ME	900000	Lts	1200.00	12000	90000.00
9	Engaging Protection Mazdoors@ 1Mazdoors/1000 plants for Road avenue from Apr'2025 to Mar'2026 @25 days per month for 12 months.	FSL Wages rate	300	Days	460.25	1	138075.00
10	Cost of Azospirillum 13 gram/plant	MND DPI Rate	13	kg	27.00	1	351.00
11	Cost of Phosphobacteria 13 gram/plant	MND DPI Rate	13	kg	27.00	1	351.00
12	Cost of Vermicasting 1kg/plant	MND DPI Rate	1000	kg	10.00	1	10000.00
13	Cast of VAM 30 gram/plant	MND DPI Rate	30	kg	18.00	1	540.00
14	Application Charges for Biofertilizers @ 1 Maz /45 Nos.	Wage rate	1000	Nos	460.25	45	10228.00
15	Cost of Gypsum including application charges	MND DPI Rate	1000	Kg	10.00	1	10000.00
					<b>Sub Total</b>		<b>393295.00</b>
					<b>10% escalation for 2022-23</b>		<b>39330.00</b>
					<b>Total</b>		<b>432625.00</b>
					<b>10% escalation for 2023-24</b>		<b>43263.00</b>
					<b>Total</b>		<b>475888.00</b>



				10% escalation for 2024-25	47589.00
				Total	523477.00
				10% escalation for 2025-26	52348.00
				Total	575825.00
				10% escalation for 2026-27	57583.00
				Total	633408.00
				10% escalation for 2027-28	63341.00
				Total	696749.00
				10% escalation for 2028-29	69675.00
				Total	766424.00
				Cost per seedlings 2028-29	766.42

Wildlife Warden  
Nagapattinam

31/3/2022



**MODEL ESTIMATE FOR 5th YEAR MAINTENANCE OF COMPENSATORY AFFORESTATION  
DURING 2029-30.**

Wages Rate - Rs.460.25/day

Sl. No.	NAME OF WORK	FSR / SSR No.	QTY	UNIT	RATE (Rs)	PER	AMOUNT
1	Scrap weeding for 1m dia and soil working 15cm depth around each plant and removing the grass roots away from the site by upturning the soil.	5.24	1000	Nos	566.11	100	5662.00
2	Engaging Protection Mazdoors@ 1Mazdoors/1000 plants for Road avenue from Apr'2025 to Mar'2026 @25 days per month for 12 months.	FSL Wages rate	300	Days	460.25	1	138075.00
				Sub Total			143737.00
				10% escalation for 2022-23			14374.00
				Total			158111.00
				10% escalation for 2023-24			15811.00
				Total			173922.00
				10% escalation for 2024-25			17392.00
				Total			191314.00
				10% escalation for 2025-26			19131.00
				Total			210445.00
				10% escalation for 2026-27			21044.00
				Total			231489.00
				10% escalation for 2027-28			23149.00
				Total			254638.00
				10% escalation for 2028-29			25464.00
				Total			280102.00
				10% escalation for 2029-30			28010.00
				Total			308112.00
				Cost per seedlings 2029-30			308.11

*J. K. Srinivasan*  
31/5/22  
Wildlife Warden  
Nagapattinam

*EC*  
31/5/2022

*8/10/22*



**MODEL ESTIMATE FOR 6th YEAR MAINTENANCE OF COMPENSATORY AFFORESTATION  
DURING 2030-31.**

		Wages Rate - Rs.460.25/day					
Sl. No.	NAME OF WORK	FSR / SSR No.	QTY	UNIT	RATE (Rs)	PER	AMOUNT
1	Cost of Azospirillum 13 gram/plant	MND DPI Rate	13	kg	27.00	1	351.00
2	Cost of Phosphobacteria 13 gram/plant	MND DPI Rate	13	kg	27.00	1	351.00
3	Cost of Vermicasting 1kg/plant	MND DPI Rate	1000	kg	10.00	1	10000.00
4	Cast of VAM 30 gram/plant	MND DPI Rate	30	kg	18.00	1	540.00
5	Application Charges for Biofertilizers @ 1 Maz /45 Nos.	Wage rate	1000	Nos	460.25	45	10228.00
6	Cost of Gypsum including application charges	MND DPI Rate	1000	Kg	10.00	1	10000.00
					Sub Total		31470.00
					10% escalation for 2022-23		3147.00
					Total		34617.00
					10% escalation for 2023-24		3461.70
					Total		38078.70
					10% escalation for 2024-25		3807.87
					Total		41886.57
					10% escalation for 2025-26		4188.66
					Total		46075.23
					10% escalation for 2026-27		4607.52
					Total		50682.75
					10% escalation for 2027-28		5068.27
					Total		55751.02
					10% escalation for 2028-29		5575.10
					Total		61326.13
					10% escalation for 2029-30		6132.61
					Total		67458.74
					10% escalation for 2030-31		6745.87
					Total		74204.61
					Cost per seedlings 2030-31		74.205

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31/5/22  
Wildlife Warden  
Nagapattinam

*SSW*  
31/5/2022