

## **ABSTRACT**

**Compensatory afforestation in degraded Forest for Diversion of 0.0254 Ha in Kottamalai beat of Saptur RF in Saptur Range of Srivilliputtur - Megamalai Tiger Reserve, Srivilliputtur Division for Hand rail Project in Saduragiri Sundaramahalingam temple.**

Si.No	Area	Name of work	Prorata
1	0.0254 Ha	Cost of Raising Nursery 2023-24	Rs. 4854.30
2	0.0254 Ha	Cost of Planting 2024-25	Rs. 111944.36
3	0.0254 Ha	Cost of First Year Maintenance 2024-25	Rs. 7121.40
4	0.0254 Ha	Cost of First Year Maintenance work 2025-26	Rs. 11412.96
5	0.0254 Ha	Cost of 2nd Year Maintenance 2026-27	Rs. 7156.80
6	0.0254 Ha	Cost of 3rd Year Maintenance 2027-28	Rs. 7668.00
7	0.0254 Ha	Cost of 4th Year Maintenance 2028-29	Rs. 1467.20
8	0.0254 Ha	Cost of 5th Year Maintenance 2029-30	Rs. 538.90
9	0.0254 Ha	Cost of 6th Year Maintenance 2030-31	Rs. 1650.60
10	0.0254 Ha	Cost of 7th Year Maintenance 2031-32	Rs. 1815.66
11	0.0254 Ha	Cost of 8th Year Maintenance 2032-33	Rs. 1997.23
12	0.0254 Ha	Cost of 9th Year Maintenance 2033-34	Rs. 2196.95
13	0.0254 Ha	Cost of 10th Year Maintenance 2034-35	Rs. 2416.64
		<b>Total</b>	Rs. <b>162241.00</b>

(or)  
**162240** /Ha

Forest Range officer  
Saptur Range  
Saptur

Deputy Director  
Srivilliputtur - Megamalai Tiger Reserve  
Srivilliputtur

20.9.23

### **ESTIMATE FOR RAISING NURSERY DURING 2023-24**

**Compensatory afforestation in degraded Forest for Diversion of 0.0254 Ha in Kottamalai beat of Saptur RF in Saptur Range of Srivilliputtur - Megamalai Tiger Reserve, Srivilliputtur Division for Hand rail Project in Saduragiri Sundaramahalingam temple.**

**Total Area** = 0.028 Ha  
**Seedlings Per ha** = 1000 Nos / Ha

**Size of polybags** = 13x25cm = 250g  
**Transplanting size of bags** = 30x45cm 600g

**Number of Seedlings** = 25  
**10 % Casualty** = 3  
**Total Seedlings** = 28

25 + 3 = 28 Nos.

Minimum rates of wages 2022-2023 475.75 /Day

Sl.No	Quantity	Unit	Name of Work	FSR /SSR	FSL	Rate	Per	unit	Amount
(1)	(2)	(4)	(5)	(6)		(7)	(8)	(9)	(10)
<b>PART - I Small size bag - 13x25cm</b>									
1	4.20	M <sup>2</sup>	Preparation of Nursery site by clearing and leveling the site for forming ten standard beds of size of 10m x 1m.	4.1	2.42	1151.32	200	M <sup>2</sup>	24.00
2	0.056	Kgs	Cost of Seeds	MTP M.E	-	200.00	1	Kg	11.00
3	28.00	Nos.	Cost of Polythene Bags 13 cmx 25 cm x 250G	Tender Rate	-	944.00	1000	Nos	26.00
4	1	M <sup>3</sup>	Forming Germination beds of size 10m x 1m x 0.3 m by heaping the soil	PWD SSR Item No.62	-	84.00	1	M <sup>3</sup>	84.00
5	0	M <sup>3</sup>	Watering germination beds twice daily with rose cans for 15 days	4.5.1	0.82	390.12	10	Beds/Day	0.00
	15	Day							
6	0	M <sup>3</sup>	Watering germination beds Once daily with rose cans for 15 days	4.5.2	0.41	195.06	10	Beds/Day	0.00
	15	Day							
7	28.00	Nos.	Collection and supply of sand, silt and red soil according to the requirement for preparation of soil mixture - 4/5 th of the total volume	MTP M.E	-	750.00	1	M <sup>3</sup>	21.00
	0.028	M <sup>3</sup>							
8	28	Nos.	Cost and transport (Collection and supply) of farm yard manure for filling bags - 1/5th of the total volume	MTP M.E	-	750.00	1	M <sup>3</sup>	7.00
	0.010	M <sup>3</sup>							
9	28	Bags	Preparation of soil mixture by breaking clods, sieving and mixing of fertile earth (including red soil, silt and sand etc., according to requirements) and farmyard manure at 3:1 ratio, heaping at the filling site and filling in polythene bags arranging bags in beds and pricking out the seedlings (excluding cost of earth and farm yard manure)	4.6.4	4.48	2131.36	1000	Bags	60.00
10			Watering the container plants with rose cans watering regime as per the NHAI ME approved by PCCF No.J1/57395/2003 dated:12.12.03						
a)	28		Watering the container plants twice daily with rose can (Water storage pits to be dug up within 10m-20m from beds) - 15 days	4.10.4	0.23	109.42	1000	Bags	46.00
	15								
b)	28	Nos	Watering the container plants once daily - 30 days	4.11.4	0.115	54.71	1000	Nos	46.00
	30	Day							
c)	28	Nos	Watering the container plants Alternate days - 15 days	4.11.4	0.115	54.71	1000	Nos	23.00
	15	Day							
11	28	Nos.	Cost of water for the Container seedlings from Private well in 60 Days	4.18.4	-	0.85	1000	Nos/ Day	1.00
	60	Day							
12	28	Bags	Shifting the container plants, weeding, grading and replacement of casualties in the bags- shifting to done once in 21 days, first shifting not before 45 days after pricking out -1 shifts	4.15.4	0.51	242.63	1000	Shift	7.00
	1	Shift							
<b>SUB - TOTAL (A)</b>									<b>356.00</b>
<b>PART - II (Bags size 30 x 45 cm x 600 G)</b>									
13	28	Nos	Cost of Polythene Bags 30cm x 45cm x 600G poly bags	Tender Rate 2020-2021	-	6549.00	1000	Nos	183.00
14	0.258	M <sup>3</sup>	Collection and 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 13 x 25 cm containers)	LR	-	750.00	1.00	M <sup>3</sup>	194.00



Sl.No	Quantity	Unit	Name of Work	FSR /SSR	FSL	Rate	Per	unit	Amount
15	0.065	M <sup>3</sup>	Cost and transport of Farm yard manure for filling bags - 1/5th of the total volume	LR	-	750.00	1.00	M <sup>3</sup>	49.00
16	28		Preparation of soil mixture by breaking clods, sieving and mixing of fertile earth (including red soil, silt and sand etc., according to requirements) and farmyard manure at 3:1 ratio, heapitn at the fillign site and filling in polythene bags arranging bags in beds and pricking out the seedlings (excluding cost of earth and farmyard manure)	4.6.7	28.57	13592.18	1000	Bags	381.00
17	28 Nos		Cost of Vermicasting @ 35 gm per Seedlings	Morden Nursery Dharmapuri Rate		10.00	1	Kg	10.00
	0.035	Kg							
18	28 Nos		Cost of Azospirillum @ 6 gm per seedlings	Morden Nursery Dharmapuri Rate		27.00	1	Kg	5.00
	0.006	Kg							
19	28 Nos		Cost of Phospho Bacteria @ 6 gm per seedlings	Morden Nursery Dharmapuri Rate		27.00	1	Kg	5.00
	0.006	Kg							
20	28 Nos		Cost of VAM @ 15 gm per Seedlings	Morden Nursery Dharmapuri Rate		18.00	1	Kg	8.00
	0.015	Kg							
21	28	Nos	Labour cost for transplanting seedlings from 13 x 25 cm container bags into 30 x 45 cm containers - 10 Maz /1000	-	-	475.75	100	1 Maz / day	133.00
22	28	Nos.	Cost of vertical strick (Casurina poles 5 cm -8 cm girth and 2.50 m height for each plants)	PWD SSR	-	17.50	1	Rm	1225
23	31	Nos.	Cost of horizontal strick (Casurina poles 5 cm -8 cm girth and 1.00 m height for each plants)	PWD SSR	-	17.50	1	Rm	543
24	28	Nos.	Tying plants to the vertical stick once in a month - 2 times	ME	-	0.40	1	Each/ time	22
25	28	Nos.	Pruning side branches once in 2 months - 2 times	ME	-	1.00	1	Each/ time	56
22	28	Nos	Watering the container plants with rose cans watering regime as per the NHA I ME approved by PCCF's ref.No.J1/57395/2003 dated:12.12.2003						
a)	28 Nos		Watering the container plants twice daily with rose can (Water storage pits to be dug up within 10m-20m from beds) - 60 days Watering	4.10.7	0.56	266.42	1000	Day	448.00
	60	Day							
b)	28 Nos		Watering the container plants once daily for 150 days	4.11.7	0.28	133.21	1000	Day	559.00
	150	Day							
23	28 Nos		Shiting the container plants once in 21 days- first shift after 45 days from the date of transplanting 1 times.	4.15.7	2.69	1279.77	1000	Shift	36.00
	1	Time							
24	LS		Contingencies such as application of pesticides panchakavya for erection of board etc. and creating awareness	LS					200.00
			<b>SUB - TOTAL (B)</b>						<b>4057.00</b>
			<b>TOTAL (A+B)</b>						<b>4413.00</b>
<b>10 % Escalation for 2023-24</b>									<b>441</b>
<b>Raising cost for 28 seedlings</b>									<b>4854.30</b>
<b>Cost for 1 seedlings</b>									<b>173.37</b>

**Specification:**

The above estimate is prepared based on Madurai Circle FSR 2022-2023 and Model Estimate communicated by the PCCF, Chennai with ref. No. TS4/22483/2022 Dated 13.10.2022 all the above said the items are essentially required.

Forest Range Officer  
Saptur Range  
Saptur

Deputy Director  
Srivilliputtur - Megamalai Tiger Reserve  
Srivilliputtur

20.9.22

# ESTIMATE FOR PLANTING DURING 2024-25

**Compensatory afforestation in degraded Forest for Diversion of 0.0254 Ha in Kottamalai beat of Saptur RF in Saptur Range of Srivilliputtur - Megamalai Tiger Reserve, Srivilliputtur Division for Hand rail Project in Saduragiri Sundaramahalingam temple.**

Total Area = 0.028 Ha  
Seedlings Per ha = 1000 Nos / Ha  
Number of Seedlings 25  
10 % Casualty 3  
Total Seedlings 28

Size of polybags = 13x25cm = 250g  
Transplanting size of bags = 30x45cm 600g

Minimum rates of wages 2022-2023 475.75 /Day

Sl. No	Quantity	Unit	Name of Work	FSR / SSR	FSL	Rate	Per	unit	Amount
(1)	(2)	(4)	(5)	(6)		(7)	(8)	(9)	(10)
1	25	Nos	Digging 60 CM3 pits in all types of soils for avenue - non-rainy season	5.8.1	9.26	4479.53	100	Nos	1120.00
2	26	Nos	Cost of transport of poultry manure each plant 500 grams	LR	-	2.5	1	Kg	33.00
3	0.5	Kg	Application of poultry manure @500g per plant by mixing in the pit before planting 1 mazdoor	LR	-	2	1	No	25.00
4	25	Nos	Transporting saplings (transported to the radius of 40 Km) excluding loading and unloading	MTP M.E	-	7	1	No	175.00
5	25	Nos	Loading and unloading the container seedlings (30 x 45 cm) in private lorry upto a lead of 2 Kms. Excluding hire charges for vehicles	5.11.7	3.29	1591.54	1000	Nos	40.00
6	25	Nos	Distribution of container seedlings in the site container plants upto 200 Mts	5.16.2	30	14512.5	1000	Nos	363.00
7	25	Nos	Planting the container seedlings by refilling the pits of size 60 cm <sup>3</sup>	5.22	1.71	827.21	100	Nos	207.00
8	25	Nos	Replacement of casualties by re-opening the failed pits and planting the container plants and refilling the pits (1/2 pitting rate + full planting rate)	5.23	-	3066.97	100	Nos	767.00
9	25	Nos	Scrap weeding for 1 metre dia and soil working 15cms depth around each plants and remaining the grassroots away from the site or upturning the soil in plains	5.24	1.23	595.01	100	Nos	149.00
10	25	Nos	Watering the planted seedlings once in a week during summer / non-rainy season from December to March @ one mazdoor for 200 plants / watering day (17 watering days)	NHAI M.E	-	475.75	200	Nos/Day	1011.00
11	17	Days	Cost of water @ 20 liters per seedlings December to March 4 months) at the rate once in a week (20 x 26 x 17)	NHAI M.E	-	1200	12000	Ltrs	850.00
12	8500	Ltrs	Engaging protection mazdoor @ 1 mazdoor / 1000 plants from December to March @ 25/days / month December to march	FSR 2022-2023	-	475.75	1000	Plants/Maz/day	1427.00
13	25	Nos	Brushwood fencing utilizing the cut materials obtained from the plantation area			360	1	Km	1800.00
14	120	Days	Forming catchwater drains for each plant of 90x45x30cm size in hillocks and hard gravelly soil	FSR	6.84	3308.85	100	Nos	827.00
15	5	Km	Erecting Display Stainless steel Boards depicting the work at the plantation area depending on site requirements	FSR	-	50000	1		50000.00
16	1	Nos	Erecting boundary stones (0.15x0.15x2.1Ml) all around the plantation as station pillars to demarcate the plantation boundary	PWD SOR. Sl.No.41, Sch item No.29a & Sl.No.22, Sch item No.22	-	545	1	Nos	13625.00
	25	Nos							
	1	Plants							



Sl. No	Quantit	Unit	Name of Work	FSR / SSR	FSL	Rate	Per	unit	Amount
17	2	Km	Clearing fireline to a width of 3 mt around the plantation	FSR	17.4.6	8306.6	1	Km	16613.00
18	LS		Photos & Documentations etc.,	LS	-				3484.00
								<b>Total</b>	<b>92516.00</b>
			<b>For the year of 2023-2024 (with 10 % escalation)</b>					10%	<b>9251.60</b>
									<b>101767.60</b>
			<b>For the year of 2024-2025 (with 10 % escalation)</b>					10%	<b>10176.76</b>
			<b>TOTAL</b>						<b>111944.36</b>
			<b>Cost of planting per seedlings</b>						<b>4477.77</b>

**Specification**

The above estimate is prepared based on Madurai Circle FSR 2022-2023 and Model Estimate communicated by the PCCE, Chennai with ref. No. TS4/22483/2022 Dated 13.10.2022 all the above said the items are essentially required.

Deputy Director  
Srivilliputtur - Megamalai Tiger Reserve  
Srivilliputtur

Forest Range officer  
Saptur Range  
Saptur

20.9.23

**Compensatory afforestation in degraded Forest for Diversion of 0.0254 Ha in Kottamalai beat of Saptur RF in Saptur Range of Srivilliputtur - Megamalai Tiger Reserve, Srivilliputtur Division for Hand rail Project in Saduragiri Sundaramahalingam temple.**

Number of Seedlings = 25+3=28

Planting Area = 0.0254 Ha

25 + 3 = 28 Nos.

Minimum rates of wages 2022-23 Virudhunagar District (CF, Madurai Ref.No:D1/6197/2022, Dt 26.04.2022) = 475.75 /Day

SI.No	Quantity	Unit	Name of Work	FSR / SSR	FSL	Rate	Per	unit	Amount
(1)	(2)	(4)	(5)	(6)		(7)	(8)	(9)	(10)
<b>PART - A - 13 x 25 cm - Small size</b>									
1	4.20	M <sup>2</sup>	Preparation of Nursery site by clearing and leveling the site for forming ten standard beds of size of 10m x 1m.	4.1	2.42	1151.32	200	M <sup>2</sup>	24.00
2	0.056	Kgs	Cost of Seeds	MTP M.E	-	200.00	1	Kg	11.00
3	28.00	Nos.	Cost of Polythene Bags 13 cmx 25 cm x 250G	Tender Rate	-	944.00	1000	Nos	26.00
4	1.0	M <sup>3</sup>	Forming Germination beds of size 10m x 1m x 0.3 m by heaping the soil	PWD SSR Item No.62	-	84.00	1	M <sup>3</sup>	84.00
5	0.1	M <sup>3</sup>	Watering germination beds twice daily with rose cans for 15 days	4.5.1	0.82	390.12	10	Beds/Day	59.00
6	0.1	M <sup>3</sup>	Watering germination beds Once daily with rose cans for 15 days	4.5.2	0.41	195.06	10	Beds/Day	29.00
7	28.00	Nos.	Collection and supply of sand, silt and red soil according to the requirement for preparation of soil mixture - 4/5 th of the total volume	MTP M.E	-	750.00	1	M <sup>3</sup>	21.00
8	0.028	M <sup>3</sup>	Cost and transport (Collection and supply) of farm yard manure for filling bags - 1/5th of the total volume	MTP M.E	-	750.00	1	M <sup>3</sup>	7.00
9	28	Bags	Preparation of soil mixture by breaking clods, sieving and mixing of fertile earth (including red soil, silt and sand etc., according to requirements) and farmyard manure at 3:1 ratio, heaping at the filling site and filling in polythene bags arranging bags in beds and pricking out the seedlings (excluding cost of earth and farm yard manure)	4.6.4	4.48	2131.36	1000	Bags	60.00
10			Watering the container plants with rose cans watering regime as per the NHA1 ME approved by PCCF No.J1/57395/2003 dated:12.12.03						
a)	28		Watering the container plants twice daily with rose can (Water storage pits to be dug up within 10m-20m from beds) - 15 days	4.10.4	0.23	109.42	1000	Bags	46.00
b)	15								
b)	28	Nos	Watering the container plants once daily - 30 days	4.11.4	0.115	54.71	1000	Nos	46.00
c)	30	Day							
c)	28	Nos	Watering the container plants Alternate days - 15 days	4.11.4	0.115	54.71	1000	Nos	23.00
11	15	Day							
11	28	Nos.	Cost of water for the Container seedlings from Private well in 60 Days	4.18.4	-	0.85	1000	Nos/ Day	1.00
12	60	Day							
12	28	Bags	Shifting the container plants, weeding, grading and replacement of casualties in the bags- shifting to done once in 21 days, first shifting not before 45 days after pricking out - 1 shifts	4.15.4	0.51	242.63	1000	Shift	7.00
12	1	Shift							
<b>SUB TOTAL (A)</b>									<b>444.00</b>
<b>PART - II (Bigger size 30 x 45 cm x 600 G)</b>									
13	28	Nos	Cost of Polythene Bags 30cm x 45cm x 600G poly bags	Tender Rate	-	6549.00	1000	Nos	183.00
14	0.258	M <sup>3</sup>	Collection and 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 13 x 25 cm containers)	LR	-	750.00	1.00	M <sup>3</sup>	194.00
15	0.065	M <sup>3</sup>	Cost and transport of Farm yard manure for filling bags - 1/5th of the total volume	LR	-	750.00	1.00	M <sup>3</sup>	49.00



SI.No	Quantity	Unit	Name of Work	FSR /SSR	FSL	Rate	Per	unit	Amount
16	28		Preparation of soil mixture by breaking clods, sieving and mixing of fertile earth (including red soil, silt and sand etc., according to requirements) and farmyard manure at 3:1 ratio, heapitn at the fillign site and filling in polythene bags arranging bags in beds and pricking out the seedlings (excluding cost of earth and farmyard manure)	4.6.7	28.57	13592.18	1000	Bags	381.00
17	28 Nos 0.035 Kg		Cost of Vermicasting @ 35 gm per Seedlings	Morden Nursery Dharmapuri Rate		10.00	1	Kg	10.00
18	28 Nos 0.006 Kg		Cost of Azospirillum @ 6 gm per seedlings	Morden Nursery Dharmapuri Rate		27.00	1	Kg	5.00
19	28 Nos 0.006 Kg		Cost of Phospho Bacteria @ 6 gm per seedlings	Morden Nursery Dharmapuri Rate		27.00	1	Kg	5.00
20	28 Nos 0.015 Kg		Cost of VAM @ 15 gm per Seedlings	Morden Nursery Dharmapuri Rate		18.00	1	Kg	8.00
21	28	Bags	Labour cost for transplanting seedlings from 13 x 25 cm container bags into 30 x 45 cm containers - 10 Maz /1000	-	-	475.75	100	1 Maz / day	133.00
22	28	Nos.	Cost of vertical strick (Casurina poles 5 cm -8 cm girth and 2.50 m height for each plants)	PWD SSR	--	17.50	1	Rm	1225
23	141	Nos.	Cost of horizontal strick (Casurina poles 5 cm -8 cm girth and 1.00 m height for each plants)	PWD SSR	--	17.50	1	Rm	2468
24	28	Nos.	Tying plants to the vertical stick once in a month - 2 times	ME	--	0.40	1	Each/ time	22
25	28	Nos.	Pruning side branches once in 2 months - 2 times	ME	--	1.00			56
26	28	Nos	<b>Watering the container plants with rose cans watering regime as per the NHA1 ME approved by PCCF's ref.No.J1/57395/2003 dated:12.12.2003</b>						
a)	28 Nos 60 Day		Watering the container plants twice daily with rose can (Water storage pits to be dug up within 10m-20m from beds) - 60 daysWatering	4.10.7	0.56	266.42	1000	Day	448.00
b)	28 Nos 150 Day		Watering the container plants once daily for 150 days	4.11.7	0.28	133.21	1000	Day	559.00
27	28 Nos 1 Time		Shiting the container plance once in 21 days- first shift after 25 days from the date of transplanting 1 times.	4.15.7	2.69	1279.77	1000	Shift	36.00
28	LS		Contingencies such as application of pesticides panchakavya for erection of board etc. and creating awareness	LS					248.00
			<b>SUB TOTAL (B)</b>						<b>6030.00</b>
			<b>TOTAL (A) + (B)</b>						<b>6474.00</b>
			<b>For the year of 2023-2024 ( with 10 % escalation)</b>					<b>10%</b>	<b>647.40</b>
			<b>TOTAL</b>						<b>7121.40</b>
			<b>For the year of 2024-2025 ( with 10 % escalation)</b>					<b>10%</b>	<b>712.14</b>
									<b>7833.54</b>
								<b>Cost of seedligns per No.</b>	<b>279.77</b>

**Specification:**

The above estimate is prepared based on Madurai Circle FSR 2022-2023 and Model Estimate communicated by the PCCF, Chennai with ref. No. TS4/22483/2022 Dated 13.10.2022 all the above said the Items are essentially required.

Deputy Director  
Srivilliputtur - Megamalai Tiger Reserve  
Srivilliputtur

Forest Range officer  
Saptur Range  
Saptur

20/9/23

**Compensatory afforestation in degraded Forest for Diversion of 0.0254 Ha in Kottamalai beat of Saptur RF in Saptur Range of Srivilliputtur - Megamalai Tiger Reserve, Srivilliputtur Division for Hand rail Project in Saduragiri Sundaramahalingam temple.**

Number of Seedlings Planted = **25**  
Casualty replacement 10 % **3**

**Minimum rates of wages 2022-23 Virudhunagar District (CF, Madurai Ref.No:D1/6197/2022, Dt 26.04.2022) = 475.75 /Day**

SI.No	Quantity	Unit	Name of Work	FSR /SSR	FSL	Rate	Per	unit	Amount
(1)	(2)	(4)	(5)	(6)		(7)	(8)	(9)	(10)
<b>A. NURSERY OPERATION</b>									
1	25	Nos	Raising cost of seedlings in 30x45 size polythene bags as per nursery estimate			173.37	Each	No	4334
<b>B. PLANTING OPERATION</b>									
2	25	Nos	Cost fo transport fo poultry manure each plant 500 grams	LR	-	2.5	1	Kg	31.00
	0.5	Kg							
3	25	Nos	Application of poultry manure @500g per plant by mixing in the pit before planting 1 mazdoor	LR	-	2	1	No	25.00
	0.5	Kg							
4	25	Nos	Transporting saplings (transported to the radius of 40 Km) excluding loading and unloading	MTP M.E	-	7	1	No	175.00
5	25	Nos	Loading and unloading the container seedlings (30 x 45 cm) in private lorry upto a lead of 2 Kms. Excluding hire charges for vehicles	5.11.7	3.29	1591.54	1000	Nos	40.00
6	25	Nos	Distribution of container seedlings in the site container plants upto 200 Mts	5.16.2	30	14272.5	1000	Nos	357.00
7	25	Nos	Replacement of casulties by re-opening the failed pits and planting the container plants and refilling the pits (1/2 pitting rate + full planting rate)	5.23		2504.55	100	Nos	626.00
8	25	Nos	Scrap weeding for 1 metre dia and soil working 15cms depth around each plants and remaining the grassroots away from the site or upturning the soil in plains	5.24	1.23	595.01	100	Nos	149.00
9	25	Nos	Watering the planted seedlings once in a week during summer / non-rainy season from December to March @ one mazdoor for 200 plants / watering day (17 watering days)	NHAI M.E	-	475.75	200	Nos/Day	1011.00
	17	Days							
10	8500	Ltrs	Cost of water @ 20 liters per seedlings December to March 4 months) at the rate once in a week (20 x 25 x 17)	NHAI M.E	-	1200	12000	Ltrs	850.00
11	LS		Condignency for specific treatments required etc.,	LS	-				1181.00
<b>TOTAL</b>									<b>8779.20</b>
Ist Year maintenance- Planting and maintenance cost of seedlings with 30% escalation for 2nd year									<b>2633.76</b>
									<b>11412.96</b>
<b>cost of planting per seedling</b>									<b>456.52</b>

  
Forest Range officer  
Saptur Range  
Saptur

  
Deputy Director  
Srivilliputtur - Megamalai Tiger Reserve  
Srivilliputtur

  
26/9/23



## ESTIMATE FOR SECOND YEAR ESTIMATE DURING 2026-27

**Compensatory afforestation in degraded Forest for Diversion of 0.0254 Ha in Kottamalai beat of Saptur RF in Saptur Range of Srivilliputtur - Megamalai Tiger Reserve, Srivilliputtur Division for Hand rail Project in Saduragiri Sundaramahalingam temple.**

No. of seedlings to be Maintenance during 2025-26 =					25	Nos			
Minimum rates of wages 2022-23 Virudhunagar District (CF, Madurai Ref.No:D1/6197/2022, Dt 26.04.2022) =								475.75	Day
SI.No	Quantity	Unit	Name of Work	FSR / SSR	FSL	Rate	Per	unit	Amount
(1)	(2)	(4)	(5)	(6)		(7)	(8)	(9)	(10)
1	25	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	1.23	595.01	100	Nos	149
2	25	Nos	Cost of Bio Fertilizers including cost of application Vermi-campose * kg, Bio fertilizer 100 gms VAM 100 Gms	NHAI ME	-	7.70	1	Kg	193
3	15000	Ltrs	Cost of water @ 20 liter per seedlings 30 watering days (25x20x30= 15600Lts)	NHAI ME	-	1200.00	12000	Lts	1500
4	25	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	483.75	200	Shift	1814
5	LS		Contingencies and unforeseen expenditure to be restricted to as per actuals.			LS			1456
								<b>TOTAL</b>	<b>5112</b>
								Add 40% of Escalation	<b>2045</b>
								Total Prorata 2nd year maintenance	<b>7157</b>
								Cost of 2nd year maintenance per seedlings	<b>286.27</b>

### **Specification:**

The above estimate is prepared based on Madurai Circle FSR 2022-2023 and Model Estimate communicated by the PCCF, Chennai with ref. No. TS4/22483/2022 Dated 13.10.2022 all the above said the items are essentially required.

Deputy Director  
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26.9.23

MODEL ESTIMATE FOR THIRD YEAR MAINTENANCE DURING 2027-28									
No. of seedlings to be Maintenance during 2024-2025 =				25	Nos				
Minimum rates of wages 2022-23 Virudhunagar District (CF, Madurai Ref.No:D1/6197/2022, Dt 26.04.2022) =								475.75	Day
SI.No	Quantity	Unit	Name of Work	FSR / SSR	FSL	Rate	Per	unit	Amount
(1)	(2)	(4)	(5)	(6)		(7)	(8)	(9)	(10)
1	25	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	1.23	595.01	100	Nos	149
2	25	Kgs	Cost of Bio Fertilizers including cost of application Vermi-campose 1 kg,Bio fertilizer 100 gms VAM 100 Gms	NHAI ME	-	7.70	1	Kg	193
3	15000	Ltrs	Cost of water @ 20 liter per seedlings 30 watering days (25x20x30= 1536000Ltrs)	NHAI ME	-	1200.00	12000	Lts	1500
4	25	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	483.75	200	Shift	1814
6	LS		Contingencies and unforeseen expenditure to be restricted to as per actuals.	LS					1456
								<b>TOTAL</b>	<b>5112</b>
								Add 50% of Escalation	<b>2556</b>
								Total Prorata 3rd year maintenance	<b>7668</b>
								Cost of 3rd year maintenance per seedlings	<b>306.72</b>

**Specification:**

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20.9.23



**MODEL ESTIMATE FOR 4th YEAR MAINTENANCE DURING 2028-29**

No.of seedlings to be Maintenance during 2025-26 =				25	Nos				
Minimum rates of wages 2022-23 Virudhunagar District (CF,Madurai Ref.No:D1/6197/2022, Dt 26.04.2022) =								475.75	Day
SI.No	Quantity	Unit	Name of Work	FSR /SSR	FSL	Rate	Per	unit	Amount
(1)	(2)	(4)	(5)	(6)		(7)	(8)	(9)	(10)
1	25	Nos	Scrap weeding for 1 metre dia and soil working 15cms depth around each plants and remaining the grassroots away from the site or upturning the soil in plains	5.24	1.23	595.01	100	Nos	149.00
2	L.S		Contingencies for unforeseen expenditure		L.S				768.00
			<b>TOTAL</b>						<b>917.00</b>
Add 60% of Escalation								<b>550</b>	
Total Prorata 5th year maintenance								<b>1467</b>	
Cost of 5th year maintenance per seedlings								<b>58.69</b>	

**Specification:**

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Forest Range officer  
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# ESTIMATE FOR 5th YEAR MAINTENANCE DURING 2029-2030

No.of seedlings to be Maintenance during 2026-27				25	Nos			
Minimum rates of wages 2022-23 Virudhunagar District (CF, Madurai Ref.No:D1/6197/2022, Dt 26.04.2022) =						475.75	Day	
SI.N o	Quantity	Unit	Name of Work	FSR /SSR	FSL	Rate	Per	unit Amount
(1)	(2)	(4)	(5)	(6)		(7)	(8)	(9) (10)
1	25	Nos	Scrap weeding for 1 mt dia and soil working 50cm depth around the plants	5.24	1.23	595.01	100	Nos 149.00
2	L.S		Contingencies for unforeseen expenditure		L.S			168.00
			<b>TOTAL</b>					<b>317.00</b>
Add 70% of Escalation								<b>222</b>
Total Prorata 5th year maintenance								<b>539</b>
Maintenance per seedlings								<b>21.56</b>

## Specification:

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**MODEL ESTIMATE FOR 6th YEAR MAINTENANCE DURING 2030-31**

No.of seedlings to be Maintenance during 2029-30 =				25	Nos				
Minimum rates of wages 2022-23 Virudhunagar District (CF,Madurai Ref.No:D1/6197/2022, Dt 26.04.2022) =								475.75	Day
SI.No	Quantity	Unit	Name of Work	FSR /SSR	FSL	Rate	Per	unit	Amount
(1)	(2)	(4)	(5)	(6)		(7)	(8)	(9)	(10)
1	25	Nos	Scrap weeding for 1 mt dia and soil working 50cm depth around the plants	5.24	1.23	595.01	100	Nos	149
2	L.S		Contingencies for unforeseen expenditure		L.S				768
			<b>TOTAL</b>						<b>917</b>
Add 80% of Escalation									<b>734</b>
<b>Total Prorata 6th year maintenance</b>									<b>1651</b>
Add 10% of escalation for 7th year									<b>165</b>
<b>Total Prorata 7th year maintenance</b>									<b>1816</b>
Add 10% of escalation for 8th year									<b>182</b>
<b>Total Prorata 8th year maintenance</b>									<b>1997</b>
Add 10% of escalation for 9th year									<b>200</b>
<b>Total Prorata 9th year maintenance</b>									<b>2197</b>
Add 10% of escalation for 10th year									<b>220</b>
<b>Total Prorata 10th year maintenance</b>									<b>2417</b>

**Specification:**

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Deputy Director  
Srivilliputtur - Megamalai Tiger Reserve  
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9/11/23  
20.9.23