

TAMILNADU FOREST DEPARTMENT

From

Sumesh Soman, I.F.S.,
District Forest Officer,
Villupuram Forest Division,
Villupuram.

To.

The Principal Chief Conservator of Forests
(Head of Department) Panagal maligai,
Saidapet, Chennai-600 015.

(Through Conservator of Forest
Viluppuram Circle, Viluppuram.)

C.No.4709/2018/ D dated .19.03.2022.

Sir,

Sub : Forest (Conservation) Act, 1980 -Villupuram Forest Circle /
Villupuram Forest Division - Proposal for diversion of 0.54 ha
of forest land in Villupuram Forest Division for laying of
underground optical Fiber Cable along road side of
Vadakkanandhal to Thumbal road section via Parigam,
Kundiyanantham across Parigam RF in Kallakurichi District CA
Scheme proposal Submission-Regarding

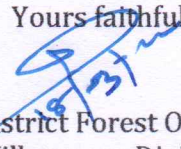
- Ref : 1. M/s Reliance Jio Infocomm, Mylapore Chennai letter No.Nil : Dated
05.02.2021.
2. The Principal Chief Conservator of Forests , Chennai Ref.No.
TS3/7037/2021. Dated 31.05.2021.
3. The Conservator of Forests, Villupuram Circle, Villupuram.
C.No.D1/1438/2021. Dated.14.09.2021.
4. The Forest Range Officer, Kallakurichi Range, Kallakurichi.
C.No.332/2021 dated. 20.12.2021.

I submit to state that I am enclosing the Compensatory Afforestation Proposal 3
copies as per the above 3rd and 4th reference cited, for Forest Conservation Act, 1980. Proposal
for diversion of 0.54 ha of forest land in Villupuram Forest Division for laying of underground
optical Fiber Cable along road side of Vadakkanandhal to Thumbal road section via Parigam,
Kundiyanantham across Parigam reserved forest in Kallakurichi District in respect of
Viluppuram Forest Division.

ENCL: Proposal 3 copies.

9c

Yours faithfully,


District Forest Officer,
Villupuram Division,
Villupuram.

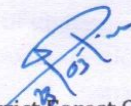
2
180321

Due to Powershutdown the original copy along with CA
Scheme 3copies Submitted with CF office despatched clark.
(Tmt. Banamukleswari. on 27-12-2021 and Acknowledge

SITE INSPECTION REPORT

Certified that 01.08 ha of forest land selected in Parigam RF For compensation afforestation for the project of diversion of 0.54 ha for Jio cable OFC line cable has been inspected by and found the area is suitable for rising CA plantation and this is suitable for protection and management point view.

Sl. No	Descriptions	Nos	Length (In mts)	Breadth (in mts)	Area (in M2)
1	Laying Of Optical Fiber Cable (OFC) along the high way road side from Vadakkanandhal to Tumbal Road section	1	17990	0.30	5397 (or) 0.54 ha


District Forest Officer,
Viluppuram Forest Division,
Viluppuram.


23/03/22


23/03/22

தமிழ்நாடு வனத்துறை

D

அனுப்புநர்

பெறுநர்

R.கோவிந்தராசு,
வனச்சரக அலுவலர்,
கள்ளக்குறிச்சி வனச்சரகம்,
கள்ளக்குறிச்சி.

மாவட்ட வன அலுவலர்,
விழுப்புரம் வனக்கோட்டம்,
விழுப்புரம்.

ந.க.எண்.332/2021 நாள். 20.12. 2021

அய்யா,

பொருள் : வனம்- கள்ளக்குறிச்சி வனச்சரகம்-பரிகம் காப்புக்காடு -0.54Ha அளவிற்கு வடக்கநந்தல் முதல் தும்பல் செல்லும் சாலையின் பக்கவாட்டில் Reliance jio infocomm நிறுவனத்தின் மூலம் பூமிக்கடியில் செல்லும் Optical fibre Cable(OFC) ஈடாக பரிகம் காப்புக்காட்டில் தேர்வு செய்யப்பட்ட இடத்தில் 1.08 Ha அளவில் செடி நடவு மற்றும் பராமரிப்பு பணிகளுக்கான பிரேரணை சமர்ப்பித்தல் - தொடர்பாக.



- பார்க்க : 1.முதன்மை தலைமை வனப்பாதுகாவலர், சென்னை-15 அவர்களின் Ref.No:TS3/7037/2021 நாள். 31/05/2021
2. மண்டல வன பாதுகாவலர் விழுப்புரம் வனமண்டலம், விழுப்புரம் அவர்களின் Ref.No:D1/1438/2021
3. மாவட்ட வன அலுவலர் விழுப்புரம் வனக்கோட்டம், விழுப்புரம் அவர்களின் Ref.No:4709/2018 நாள். 05/08/2021 & 16/12/2021

பணிந்து சமர்ப்பித்துக் கொள்வது யாதெனில், கள்ளக்குறிச்சி வனச்சரகம், பரிகம் காப்புக்காட்டின் வழியாக வடக்கநந்தல் முதல் தும்பல் செல்லும் சாலையின் பக்கவாட்டில் Reliance jio infocomm நிறுவனத்தின் மூலம் பூமிக்கடியில் செல்லும் Optical fibre Cable(OFC) அமைக்க -0.54Ha அளவிற்கு வழங்கப்படும் நிலத்திற்கு ஈடாக பரிகம் காப்புக்காட்டில் தேர்வு செய்யப்பட்ட இடத்தில்(N11.801551, E78.809604) 1.08 Ha அளவில் செடி நடவு மற்றும் பராமரிப்பு போன்ற காடு வளர்ப்பு பணிகள் மேற்கொள்ள நாற்றங்கால் எழுப்புதல்,செடிகள் நடவு செய்தல்,அரை வட்ட பாத்திகள், மழைநீர் சேகரிப்பு குழிகள் வெட்டுதல்,செடிகள் பாதுகாப்புக்காக நைலான் பச்சை நிற நிழல் வலைகள் அமைத்தல், மூன்றாண்டுகளுக்கு கோடைகாலங்களில் செடிகளுக்கு நீர் ஊற்றுதல் மற்றும் பத்தாண்டுகளுக்கு களையெடுத்து மண் கொத்துதல் போன்ற பராமரிப்பு பணிகளுக்கான மதிப்பீடு பட்டியல் மற்றும் வரைபடம் தயார் செய்து இத்துடன் இணைத்து பணிந்து சமர்ப்பிக்கப்படுகிறது.

மேலும் மண்ணுக்கேற்ற இச்சூழலில் வளரக்கூடிய மரக்கன்றுகளான வேம்பு, புங்கன், நாவல், வெப்பாலை, பரம்பை, கருங்காலி (Acaciasundara), வெண்புரசு, வெள்வேல், ஆச்சான், ஆயா, உசில், இலுப்பை, புளி, நுணா போன்ற மரக்கன்றுகளை நடவு செய்யலாம் என்பதை பணிவுடன் தெரிவுத்துக்கொள்கிறேன்.

இணைப்பு:

1. பிரேரணை -4 Nos

தங்கள் உண்மையுள்ள

[Handwritten Signature]
22/12/2021

வனச்சரக அலுவலர்
கள்ளக்குறிச்சி வனச்சரகம்
கள்ளக்குறிச்சி

**ABSTRACT OF COMPESATORY AFFORESTATION WORK PROPOSAL FOR DIVERSION OF FOREST
LAND IN PARIGAM RF (0.54 HA)FOR JIO CABLE OFC LINE IN KALLAKURICHI RANGE, VILLUPURAM
DIVISION, VILLUPURAM DURING FROM 2021-22 TO 2032-33**

Sl.No	Year	Item of work	Amount in Rs.
1	2021-22	RAISING ADVANCE NURSERY	21000.00
2	2022-23	MAINTANANCE OF NURSERY ,PLANTING WORK,TREE GUARD FOR PROTECTION AND ADVANCE RAISING NURSERY FOR 10% CASUALITY REPLACEMENT	286396.00
3	2023-24	1st YEAR MAINTANANCE WORK OF PLANTED SEEDLINGS(10% CASUALIT REPLACEMENT NURSERY ,10% CASUALITY REPLACMENT OF PLANTS, SCRAPING AND SOIL WORK AND WATERING PLANTED SEEDLINGS ETC..)	192088.00
4	2024-25	2nd YEAR MAINTANANCE WORK OF PLANTED SEEDLINGS(SCRAPING AND SOIL WORK, WATERING OF PLANTED SEEDLINGS)	187662.00
5	2025-26	3rd YEAR MAINTANANCE WORK OF PLANTED SEEDLINGS(SCRAPING AND SOIL WORK, WATERING OF PLANTED SEEDLINGS)	182973.00
6	2026-27	4th YEAR MAINTANANCE WORK OF PLANTED SEEDLINGS(SCRAPING AND SOIL WORK)	13690.00
7	2027-28	5th YEAR MAINTANANCE WORK OF PLANTED SEEDLINGS(SCRAPING AND SOIL WORK)	15059.00
8	2028-29	6th YEAR MAINTANANCE WORK OF PLANTED SEEDLINGS(SCRAPING AND SOIL WORK)	16565.00
9	2029-30	7th YEAR MAINTANANCE WORK OF PLANTED SEEDLINGS(SCRAPING AND SOIL WORK)	18222.00
10	2030-31	8th YEAR MAINTANANCE WORK OF PLANTED SEEDLINGS(SCRAPING AND SOIL WORK)	20044.00
11	2031-32	9th YEAR MAINTANANCE WORK OF PLANTED SEEDLINGS(SCRAPING AND SOIL WORK)	22048.00
12	2032-33	10th YEAR MAINTANANCE WORK OF PLANTED SEEDLINGS(SCRAPING AND SOIL WORK)	24253.00
		TOTAL AMOUNT FOR 1.08 Ha. IN RUPEES	1000000.00
		TOTAL AMOUNT FOR 1.08 Ha. IN LAKHS	10.00

Sir,

Submitted to the Distict Forest Officer, Villupuram Division, Villupuram.

/ COUNTERSIGNED /

**District Forest Officer,
Villupuram Forest Division,
Villupuram.**

[Signature]
25.12.21

27/12/21

[Signature]
20.12.21
Forest Range Officer
Kallakurichi Range
Kallakurichi

**ESTIMATE FOR RAISING NURSERY MISCELLANEOUS SEEDLINGS (NATIVE SPECIES) IN THE
COMPENSATORY AFFORESTATION LAND AT PARIGAM RF IN KALLAKURICHI RANGE, VILUPPURAM
FOREST DIVISION DURING 2021-22**

Size of Bags: 16x30cm 300g

Area in Ha : 1.08

No of Seedlings: 1080 Nos

Casualties 10 %: 108 Nos

Total: 1188 Nos

Wage rate Rs: 460.25

Sl. no	Qty	Unit	Name of the work	FSR/ SSR	FSL	Rate	Per	Amount
NURSERY OPERATION								
1	1188	Nos.	Cost of Polythene Bags 16x30x300G size	Tender rate	-	1400.00	1000 No	1663.00
2	2.635	Kg	Cost of Seeds	LR	-	150.00	1 kg	395.00
3	26.35	m ²	Preparation of nursery site by clearing and levelling the site for forming standard beds of size 10mx1m	4.1	2.42	1113.81	200 m ²	147.00
4	1 No. 1.62	m ³	Formation of germination beds of size 10x1x0.3m by breaking clods with FYM and the earth with side support sowing of seeds watering for the day and covering with straw including cost of manure @2500nos/bed	PWD SSR rate	-	56.1	1 m ³	91.00
5	15 days 0.5 beds		Watering the germination beds twice daily with rose can (15days)	4.5.1	0.82	377.41	10 day	283.00
6	30 days 0.5 beds		Watering the germination beds once daily with rose can (30days)	4.5.2	0.41	188.70	10 day	283.00
7	1 No. 0.772	m ³	Digging Water storage pits of size 3x3m top width & 2.1x2.1m bottom width and 1m depth	PWD SSR rate	1.26	56.10	1 m ³	43.00
8	2.84	m ³	Collection and supply of Sand, Silt, and red soil according to the requirement for preparation of soil mixture 4/5 of the total volume	PCCF rate appd ME for MTP nursery 2013-14	-	1600.00	1 m ³	4543.00
9	0.70	m ³	Collection and supply of Farm Yard Manure for preparation of soil mixture 1/5 of the total volume		-	1600.00	1 Nos.	1121.00
10	1188	Nos.	Preparation of Soil Mixture by breaking clods, sieving mixing with fertile earth and farm yard manure at the ratio 2:1:1 heaping at the filling sites filling in polythene bags and arranging bags in beds and pricking out the seedlings.	4.6.5	5.95	2738.49	1000 No	3253.00
11	41.6	Kg	Cost of Vermicasting @ 35 gm/plant	RE		10.00	1 kg	416.00
12	17.82	Kg	Cost of VAM @ 15 gm/plant	RE		18.00	1 kg	321.00
13	7.128	Kg	Cost of Bio fertilizer such as Azospirillum @ 6 gm each/container	RE		27.00	1 kg	192.00
14	7.128	Kg	Cost of Phosphobacteria @ 6 gm each/container	RE		27.00	1 kg	192.00
15	1	No	Forming temporary shade pandals 10mx1m including collection of grasses, materials etc.,	4.9	1	460.25	1 No	460.25

16	1188	Nos.	Watering container plants twice daily (15 Days)	4.10.5	0.37	170.29	1000 No	3035.00
	15	Days	16x30 bags				1	
17	1188	Nos.	Watering container plants once daily (30 Days)	4.11.5	0.185	85.146	1000 No	3035.00
	30	Days	16x30 bags				1	
18	26.35	m2	Land rent for Nursery site	4.17	-	86.00	40 m2	85.00
	1.5	mths		MTP ME				
19	1188	Nos.	Cost of Water for watering the container seedlings from private wells (size 16x30cm)	4.18	-	1.60	1000 No	86.00
	45	Days		MTP ME			day	
20	LS		Contingencies for unforeseen towards Pesticides, Baskets, Pots and Nursery information board fixing etc., unforeseen item if any	LS				1356.00
			TOTAL					21000.00

Specification

- 1 For item No. 1 Tender rate approved for the year 2020-21 has been provided
- 2 For item No. 2 local rates has been provided as per actual
- 3 For the item no. 3,5,6,10,14,15,16,17 and 18 rates as per mandays have been adopted as per the approved FSR for the year 2021-22
- 4 For the item no. 4 and 7 the rates provided are as per PWD SSR for the quantity worked out to the total volume
- 5 For the item no. 8,& 9 rates provided Rs.750/cum are as per Model estimate communicated from the PCCF's office for Massive Tree Planting programme during 2013-14 and every year escalation 10% rate from 2013-14 to 2021-22
- 6 For the item no. 11,12 and 13 Research wing rates has been adopted in the estimate
- 7 For the item No. 19 minimum wage rates as per FSR for the year 2021-22 has been adopted in the estimate
- 8 For the item No. 20 contingencies has been provided and will be charged based on the actual only after getting prior approval of the District Forest Officer.

[Signature]
 Forest Range Officer
 Kallakurichi Range
 Kallakurichi

/ COUNTERSIGNED /

[Signature]
**District Forest Officer,
 Villupuram Forest Division
 Villupuram.**

[Signature]
 25.12.21 $\frac{3}{271221}$

**ESTIMATE FOR MAINTANANCE OF NURSERY, PLANTING OPERATIONS, PROTECTION OF FENCING
WORK AND ADVANCE NURSERY OF CASUALITY REPLACEMENT MISCELANEOUS SEEDLINGS
(NATIVE SPECIES) IN THE COMPENSATORY AFFORESTATION LAND AT PARIGAM RF IN
KALLAKURICHI RANGE, VILUPPURAM FOREST DIVISION DURING 2022-23**

Size of Bags: 16x30cm 300g

Area in Ha : 1.08

No of Seedlings: 1080 Nos

Casualities 10 %: 108 Nos

Total: 1188 Nos

Wage rate Rs: 460.25

Sl. no	Qty	Unit	Name of the work	FSR/ SSR	FSL	Rate	Per	Amount	
PART-A MAINATANANCE OF NURSERY									
1	1188	Nos.	Watering container plants once in alternate days 60 days (30 watering Days)	4.11.5	0.185	85.146	1000 No	3035.00	
	30	Days					1		
2	1188	Nos.	Watering container plants twice in a week (21 watering Days)	4.11.5	0.185	85.146	1000 No	2124.00	
	21	Days					1		
3	1188	Nos.	Shifting the container plants, weeding, grading and replacement of casualties in the bags (6 times) as per requirement.	4.15.5	0.79	363.60	1000 No	2592.00	
	6	times					1		
4	26.4	m2	Land rent for Nursery site	4.17	-	86.00	40 m2	255.00	
	4.5	mths		MTP ME					
5	1188	Nos.	Cost of Water for watering the container seedlings from private wells (size 16x30cm)	MTP ME	-	1.60	1000 No	97.00	
	51	Days					day		
6		LS	Contingencies for unforeseen towards Pesticides, Baskets, Pots and Nursery information board fixing etc., unforeseen item if		LS			397.00	
			TOTAL					8500.00	
	PART A Add 10% Escalation for the year 2022-23								9350.00
PART -B PLANTING OPERATION									
7	1080	Nos	Digging of 45cm³ pits in hard gravelly soil & hillocks during rainy season	5.5.2	3.92	1804.18	100 Nos	19485.00	
8	1188	Nos	Loading & Unloading the container seedlings(16x30cm) in private lorry upto a lead of 2 kms excluding hire charges for the vehicles	5.11.5	1.79	823.85	1000 Nos	979.00	
9	1188	Nos	Transport of container seedlings (16x30cm) in Private vehicles up to a lead of 10 kms excluding loading charges @ 2000/load	As per ME		1000.00	2000 Nos	594.00	

10	1188	Nos	Transport of container seedlings (16x30cm) by head load in the places where approach roads are not available to take vehicles to planting site upto 500 mts in plains	5.13.2(ii)	8.70	2402.51	1000	Nos	2854.00
11			Distribution of seedlings in the site container plants upto 500mts in plains						
a.	475	Nos	Upto 100 mts	5.15.1	3.13	1440.58	1000	Nos	684.00
b.	475	Nos	Upto 200 mts	5.15.2	4.66	2144.77	1000	Nos	1019.00
c.	238	Nos	Upto 500 mts	5.15.3	8.22	3783.26	1000	Nos	900.00
12	1080	Nos	Application of poultry manure @ 250g per plant by mixing in the pit before planting including cost & transport	As per ME		1.25	1	Nos	1350.00
13	1080	Nos	Application of DAP mixture @ 20g per plant by mixing in the pit before planting including cost & transport	As per ME		0.50	1	Nos	540.00
14	1080	Nos	Planting the container plants by refilling pits of size 45cm³	5.21	1.15	529.29	100	Nos	5716.00
15	108	Nos	Replacement of casualties by reopening failed pits and planting the seedlings	5.23		264.64	100	Nos	286.00
16	1080	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	566.11	100	Nos	6114.00
17	1080	Nos	Forming semi-circular bunds to the plants in hillocks, sloppy and undulating areas by collecting stone & earth from the area, forming a revetment on the lower side with stone & earth heaped and giving an inward slope	5.25	2.88	1325.52	100	Nos	14316.00
18	1080	Nos	Forming Catch water drains for each plant in plains 90x45x30cm sizz in hard gravelly soils	5.25	6.84	3148.11	100	Nos	33999.59
19	1080	Nos	Mulching the planted seedlings at 250 gms. Coconut husk per pit	Local Rate	Per 250 gram	15.00	Each		16200.00
20	1080	Nos	Watering planted saplings for 4 times per month = 16 watering days (December to March) (4x4 = 16 days)	FSR 2021-22	1000 Nos./4 Months @ 4 times per month	460.25	200 Nos. / Mazdoor / day		39765.60
21	1080	Nos	Cost for water 15 litres per seedling per time for 16 watering days (259200 litres)	MTP ME 2017-18		1200	12000	Liter	25920.00
22	LS		For documentation and unforeseen expenditure to be restricted to as per actuals.	LS					3978.00
				TOTAL					174700.00
				PART - B Add 10% Escalation for the year 2022-23					192170.00

PART -C PROTECTION OF PLANTS							
23	1080	Nos	Treeguard Fencing by Nylon green shadenet 1.5 x 2.0 M	L.R	65	1 No	70200.00
24	LS		Contingencies for unforeseen towards Loading and Unloading and Transport Charges of treeguards form Making site to Planting site etc., unforeseen item if any	LS			2800.00
			TOTAL				73000.00
PART-C Add 10% escalation for the year 2022-23							80300.00
ADVANCE NURSERY RASING FOR 10% CASUALITIES REPLACEMENT							
25	108	Nos.	Cost of Polythene Bags 16x30x300G size	Tender rate	-	1400.00	1000 No 151.00
26	0.3	Kg	Cost of Seeds	LR	-	150.00	1 kg 40.00
27	0.26	m ²	Preparation of nursery site by clearing and levelling the site for forming standard beds of size 10mx1m	4.1	2.42	1113.81	200 m ² 1.00
28	1 0.16	Nos. m ³	Formation of germination beds of size 10x1x0.3m by breaking clods with FYM and the earth with side support sowing of seeds watering for the day and covering with straw including cost of manure @2500nos/bed	PWD SSR rate	-	48.8	1 m ³ 8.00
29	15 0.1	days beds	Watering the germination beds twice daily with rose can (15days)	4.5.1	0.82	377.41	10 day 57.00
30	30 0.1	days beds	Watering the germination beds once daily with rose can (30days)	4.5.2	0.41	188.70	10 day 57.00
31	1 0.01	No m ³	Digging Water storage pits of size 3x3m top width & 2.1x2.1m bottom width and 1m depth	PWD SSR rate	1.26	48.8	1 m ³ 0.00
32	0.26	m ³	Collection and supply of Sand, Silt, and red soil according to the requirement for preparation of soil mixture 4/5 of the total	PCCF rate appd ME	-	1600.00	1 m ³ 413.00
33	0.06	m ³	Collection and supply of Farm Yard Manure for preparation of soil mixture1/5 of the total volume	for MTP nursery 2013-14	-	1600.00	1 Nos. 102.00
34	108	Nos.	Preparation of Soil Mixture by breaking clods, seiving mixing with fertile earth and farm yard manure at the ratio 2:1:1 heaping at the filling sites filling in polythene bags and arranging bags in beds and pricking out the seedlings	4.6.5	5.95	2489.48	1000 No 269.00
35	12.83	Kg	Cost of Vermicasting @ 35 gm/plant	RE		10.00	1 kg 128.00
36	5.46	Kg	Cost of VAM @ 15 gm/plant	RE		18.00	1 kg 98.00
37	4.46	Kg	Cost of Bio fertilizer such as Azosphyrellam @ 6 gm each/container	RE		27.00	1 kg 120.00
38	4.46	Kg	Cost of Phosphobacteria @ 6 gm each/container	RE		27.00	1 kg 120.00
39	0.1	Nos	Forming temporary shade pandals 10mx1m including collection of grasses, materials etc.,	4.9	1	460.25	1 No 46.03

40	108	Nos.	Watering container plants twice daily (10 Days) 16x30 bags	4.10.5	0.37	154.81	1000 No	167.00
	10	Days					1	
41	108	Nos.	Watering container plants once daily (30 Days) 16x30 bags	4.11.5	0.185	77.405	1000 No	251.00
	30	Days					1	
42	0.26	m2	Land rent for Nursery site	4.17	-	86.00	40 m2	1.00
	1.5	mths		MTP ME				
43	108	Nos.	Cost of Water for watering the container seedlings from private wells (size 16x30cm)	MTP ME	-	1.60	1000 No	8.00
	45	Days					day	
44	LS		Contingencies for unforeseen towards Pesticides etc., unforeseen item if any	LS				43
			TOTAL					2080
			PART-D Add 10% escalation for the year 2022-23					2288
							Part -A Total	9350
							Part -B Total	192170
							Part -C Total	80300
							Part -D Total	2288
							Grand Total	286396

Specification

- For item No. 25 Tender rate approved for the year 2020-21 has been provided
- For item No. 19,23 & 26 Local rates has been provided as per actual
- For the item no. 1,2,3,7,8,10,11,14,15,16,17,18,27,29,30,34,39,40 and 41 rates as per mandays have been adopted as per the approved FSR for the year 2021-22
- For the item no. 28 and 31 the rates provided are as per PWD SSR for the quantity worked out to the total volume
- For the item no. 32 & 33 rates provided Rs.750/cum are as per Model estimate communicated from the PCCF's office for Massive Tree Planting programme during 2013-14 and every year escalation 10% rate from 2013-14 to 2021-22
- For the item no. 35,36,37 and 38 Research wing rates has been adopted in the estimate
- For the item No. 24 As per model estimate 2017-18 MTP ME Rs.50/- Each approved by PCCF 2021-22 and every year escalation for 10% from 2017-18 to 2021-22 for 4 years RS.70/Each has been adopted in the estimate
- For the item No. 39 minimum wage rates as per FSR for the year 2021-22 has been adopted in the estimate
- For the item No. 6,22,24 and 44 contingencies has been provided and will be charged based on the actual only after getting prior approval of the District Forest Officer.
- For item No.9 : For transport of seedlings of 16x30cm containers a rate of Rs.1000/- per load (2000 nos) has been provided un TAP ME provided in this estimate.
- For item No.. 12 & 13 : A rate of Rs.1.25/- & Rs.0.50/- per seedling has been provided un MTP ME
- For item No. 6,22,24 and 44 : LS Provision for documentation,Pesticides,Loading and Unloading and Transport charges unforeseen expenditure of execution work has been provided.

COUNTER SIGNED

**District Forest Officer,
Villupuram Forest Division
Villupuram.**

25.12.21

27/12/21

Forest Range Officer
Kallakurichi Range
Kallakurichi

**ESTIMATE FOR MAINTANANCE OF NURSERY, CASUALITY REPLACEMENT, MAINTANENCE OF PLANTS
(NATIVE SPECIES) IN THE COMPENSATORY AFFORESTATION LAND AT PARIGAM RF IN
KALLAKURICHI RANGE, VILUPPURAM FOREST DIVISION DURING 2023-24**

Size of Bags: 16x30cm 300g
Area in Ha : 0.108

No of Seedlings: 1080 Nos
Casualties 10 %: 108 Nos
Total: 1188 Nos

Wage rate Rs: 460.25

Wage rate RS. 400.25									
Sl. no	Qty	Unit	Name of the work	FSR/ SSR	FSL	Rate	Per	Amount	
PART-A 1st YEAR REPLACEMENT 10% CAUALITIES MAINATANANCE OF NURSERY									
1	108	Nos.	Watering container plants once in alternate days 60 days (30 watering Days)	4.11.5	0.185	85.146	1000 No	276.00	
	30	Days					1		
2	108	Nos.	Watering container plants twice in a week (21 watering Days)	4.11.5	0.185	85.146	1000 No	193.00	
	21	Days					1		
3	108	Nos.	Shifting the container plants, weeding, grading and replacement of casualties in the bags (6 times) as per requirement.	4.15.5	0.79	363.60	1000 No	236.00	
	6	times					1		
4	2.635	m2	Land rent for Nursery site	4.17	-	86.00	40 m2	25.00	
	4.5	mths		MTP ME					
5	108	Nos.	Cost of Water for watering the container seedlings from private wells (size 16x30cm)	MTP ME	-	1.60	1000 No	9.00	
	51	Days					day		
6		LS	Contingencies for unforeseen towards Pesticides, Baskets, Pots and Nursery information board fixing etc., unforeseen item if any		LS			11.00	
			TOTAL					750.00	
PART A Add 10% Escalation for the year 2022-23								825.00	
PART A Add 10% Escalation for the year 2023-24								908.00	
PART-B 1st YEAR MAINTENANCE OF PLANTING WORK FOR 10% CASUALITY REPLACEMENT WORK									
7	108	Nos.	Transporting saplings (Transported upto 40 Kms.)	As per PCCF. ME.		1000	2000	No	54.00
8			Distribution of saplings to planting site						
a.	43	Nos	Upto 100 mts	5.15.1	3.13	1440.58	1000	Nos	61.95
b.	43	Nos	Upto 200 mts	5.15.2	4.66	2144.77	1000	Nos	92.00
c.	22	Nos	Upto 500 mts	5.15.3	8.22	3783.26	1000	Nos	83.00
9	108	Nos.	Loading and unloading the seedlings.	5.11.7	3.29	1376.54	1000	No	148.67
10	1080	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 (2 soil works)	5.24	1.23	566.11	100	No	6113.96
11	1080	Nos	Application of poultry manure @ 250g per plant by mixing applying in the time of soil work including cost & transport	As per ME		1.25	1	Nos	1350.00

12	1080	Nos	Application of DAP mixture @ 20g per plant by mixing in the time of soil work including cost & transport	As per ME		0.50	1	Nos	540.00
13	1080	Nos.	Forming semi-circular bunds to the plants in hillocks, sloppy and undulating areas by collecting stone & earth from the area, forming a revetment on the lower side with stone & earth heaped and giving an inward slope	5.25	2.88	1325.52	100	No	14315.62
14	1080	Nos.	Mulching the planted seedlings at 250 gms. Coconut husk per pit	Local Rate	Per 250 gram	15.00	Each		16200.00
15	1080	Nos.	Watering planted saplings for 4 times per month = 28 watering days (April to June and December to March) (7x4 = 28 days)	FSR 2019-20	1000 Nos./4 Months @ 4 times per month	460.25	200 Nos. / Mazdoor / day		69589.80
16	1080	Nos.	Cost for water 15 litres per seedling per time for 28 watering days (453600 litres)	MTP ME 2017-18		1200	12000	Litre	45360.00
17	108	Nos.	Replacement of casualties	As per Model EST TNRSP-II 2016-17		1824.34	100	No	1970.28
18	LS		For documentation and unforeseen expenditure to be restricted to as per actuals.				LS		2121.00
Total									158000.00
PART B Add 10% Escalation for the year 2022-23									173800.00
PART B Add 10% Escalation for the year 2023-24									191180.00
Part -A Total								908.00	
Part -B Total								191180.00	
Grand Total								192088.00	

Specification

- For item No. 14 Local rates has been provided as per actual
- For the item no. 1,2,3,8,9,10 and 13 rates as per mandays have been adopted as per the approved FSR for the year 2021-22
- For the item No. 15 minimum wage rates as per FSR for the year 2021-22 has been adopted in the estimate
- For the item No. 6 and 18 contingencies has been provided and will be charged based on the actual only after getting prior approval of the District Forest Officer.
- For item No.7 : For transport of seedlings of 16x30cm containers a rate of Rs.1000/- per load (2000 nos) has been provided On TAP ME provided in this estimate.
- For item No.. 4,5 and 16 : A rate has been provided on MTP ME
- For item No.. 11 & 12 : A rate of Rs.1.25/- & Rs.0.50/- per seedling has been provided un MTP ME
- For item No. .17 : A rate has been as per model estimate provided on TNRSP-II for the year 2016-17
- For item No. 6 and 18 : LS Provision for documentation,Pesticides>Loading and Unloading and Transport charges unforeseen expenditure of excution work has been provided.

/ COUNTERSIGNED /

**District Forest Officer,
Villupuram Forest Division
Villupuram.**

**Forest Range Officer
Kallakurichi Range
Kallakurichi**

25.12.21

27/12/21

**ESTIMATE FOR MAINTANANCE PLANTS MISCELANEOUS SEEDLINGS (NATIVE SPECIES) IN THE
COMPENSATORY AFFORESTATION LAND AT PARIGAM RF IN KALLAKURICHI RANGE, VILUPPURAM
FOREST DIVISION DURING 2024-25**

Size of Bags: 16x30cm 300g

No of Seedlings: 1080 Nos

Wage rate Rs: 460.25

Area in Ha : 0.108

Sl. no	Qty	Unit	Name of the work	FSR/ SSR	FSL	Rate	Per	Amount
II nd YEAR MAINTENANCE								
1	1080	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 work	5.24	1.23	566.11	100 No	6113.96
2	1080	Nos	Application of poultry manure @ 250g per plant by mixing applying in the time of soil work including cost & transport	As per ME		1.25	1 Nos	1350.00
3	1080	Nos	Application of DAP mixture @ 20g per plant by mixing in the time of soil work including cost & transport	As per ME		0.50	1 Nos	540.00
4	1080	Nos.	Mulching the planted seedlings at 250 gms. Coconut husk per pit	Local Rate	Per 250 gram	15.00	Each	16200.00
5	1080	Nos.	Watering planted saplings for 4 times per month = 28 watering days (April to june and December to March) (7x4 = 28 days)	FSR 2019-20	1000 Nos./4 Months @ 4 times per month	460.25	200 Nos. / Mazdoor / day	69589.80
6	1080	Nos.	Cost for water 15 litres per seedling per time for 28 watering days (453600 litres)	MTP ME 2017-18		1200	12000 Litre	45360.00
7	LS		For documentation and unforeseen expenditure to be restricted to as per actuals.				LS	1840.00
			Total					140994.00
			Add 10% Escalation for the year 2022-23					170602.00
			Add 10% Escalation for the year 2023-24					187662.00
			Add 10% Escalation for the year 2024-25					

Specification

- For item No. 4 Local rates has been provided as per actual
- For the item no.1 rates as per mandays have been adopted as per the approved FSR for the year 2021-22
- For the item No. 5 minimum wage rates as per FSR for the year 2021-22 has been adopted in the estimate
- For the item No. 7 contingencies has been provided and will be charged based on the actual only after getting prior approval of the District Forest Officer.
- For item No.. 6 : A rate has been provided un MTP ME
- For item No.. 2 & 3 : A rate of Rs.1.25/- & Rs.0.50/- per seedling has been provided un MTP ME
- For item No.7 : LS Provision for documentation,Pesticides,Loading and Unloading and Transport charges unforeseen expenditure of excution work has been provided.

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Forest Range Officer
Kallakurichi Range
Kallakurichi

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District Forest Officer,
Villupuram Forest Division
Villupuram.

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27/12/21

**ESTIMATE FOR MAINTANANCE PLANTS MISCELANEOUS SEEDLINGS (NATIVE SPECIES) IN THE
COMPENSATORY AFFORESTATION LAND AT PARIGAM RF IN KALLAKURICHI RANGE, VILUPPURAM
FOREST DIVISION DURING 2025-26**

Size of Bags: 16x30cm 300g

No of Seedlings: 1080 Nos

Area in Ha : 0.108

Wage rate Rs: 460.25 Nos

Sl. no	Qty	Unit	Name of the work	ESR/ SSR	FSL	Rate	Per	Amount
	IIIrd YEAR MAINTENANCE							
1	1080	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 (2 soil works)	5.24	1.23	566.11	100 No	6113.96
2	1080	Nos	Application of poultry manure @ 250g per plant by mixing applying in the time of soil work including cost & transport	As per ME		1.25	1 Nos	1350.00
3	1080	Nos	Application of DAP mixture @ 20g per plant by mixing in the time of soil work including cost & transport	As per ME		0.50	1 Nos	540.00
4	1080	Nos.	Watering planted saplings for 4 times per month = 28 watering days (April to june and December to March) (7x4 = 28 days)	FSR 2019-20	1000 Nos./4 Months @ 4 times per month	460.25	200 Nos. / Mazdoor / day	69589.80
5	1080	Nos.	Cost for water 15 litres per seedling per time for 28 watering days (453600 litres)	MTP ME 2017-18		1200	12000 Litre	45360.00
6	LS		For documentation and unforeseen expenditure to be restricted to as per actuals.				LS	2019.00
			Total					124973.00
Add 10% Escalation for the year 2022-23								137470.00
Add 10% Escalation for the year 2023-24								151217.00
Add 10% Escalation for the year 2024-25								166339.00
Add 10% Escalation for the year 2025-26								182973.00

Specification

- 1 This estimate prepared based on 2021-22 FSR rates
- 2 For the item No. 1 & 5 minimum wage rates as per FSR for the year 2021-22 has been adopted in the estimate
- 3 For item No.. 2 & 3 : A rate of Rs.1.25/- & Rs.0.50/- per seedling has been provided un MTP ME
- 4 For item No.. 4,5,16,36 & 37 : A rate has been provided un MTP ME 2017-18
- 5 For item No. 3 : LS Provision for documentation,Pesticides,Loading and Unloading and Transport charges unforeseen expenditure of excution work has been provided.
- 6 Added every year increasing escalation of 10% from 2022-23

/ COUNTERSIGNED /

**District Forest Officer,
Villupuram Forest Division
Villupuram.**

25.12.21
27/12/21

Forest Range Officer
Kallakurichi Range
Kallakurichi

**ESTIMATE FOR MAINTANANCE PLANTS MISCELANEOUS SEEDLINGS (NATIVE SPECIES) IN THE
COMPENSATORY AFFORESTATION LAND AT PARIGAM RF IN KALLAKURICHI RANGE, VILUPPURAM
FOREST DIVISION DURING 2026-27**

Size of Bags: 16x30cm 300g

No of Seedlings: 1080 Nos

Area in Ha : 0.108

Wage rate Rs: 460.25

Sl. no	Qty	Unit	Name of the work	FSR/ SSR	FSL	Rate	Per		Amount
	IVth YEAR MAINTENANCE								
1	1080	No s.	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 (2 soil works)	5.24	1.23	566.11	100	No	6113.96
2	1080	Nos	Application of poultry manure @ 250g per plant by mixing applying in the time of soil work including cost & transport	As per ME		1.25	1	Nos	1350.00
3	1080	Nos	Application of DAP mixture @ 20g per plant by mixing in the time of soil work including cost & transport	As per ME		0.50	1	Nos	540.00
4	LS		For documentation and unforeseen expenditure to be restricted to as per actuals.				LS		496.00
			Total						8500.00
	Add 10% Escalation for the year 2022-23								9350.00
	Add 10% Escalation for the year 2023-24								10285.00
	Add 10% Escalation for the year 2024-25								11314.00
	Add 10% Escalation for the year 2025-26								12445.00
	Add 10% Escalation for the year 2026-27								13690.00

Specification

- 1 This estimate prepared based on 2021-22 FSR rates
- 2 For the item No. 1 minimum wage rates as per FSR for the year 2021-22 has been adopted in the estimate
- 3 For item No.. 2 & 3 : A rate of Rs.1.25/- & Rs.0.50/- per seedling has been provided un MTP ME
- 4 For item No. 3 : LS Provision for documentation,Pesticides,Loading and Unloading and Transport charges unforeseen expenditure of excution work has been provided.
- 5 Added every year increasing escalation of 10% from 2022-23

[Signature]
20.12.24
Forest Range Officer
Kallakurichi Range
Kallakurichi

/ COUNTERSIGNED /

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24/12/24
**District Forest Officer,
Villupuram Forest Division,
Villupuram.**

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25.12.21

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27/12/21

**ESTIMATE FOR MAINTANANCE PLANTS MISCELANEOUS SEEDLINGS (NATIVE SPECIES) IN THE
COMPENSATORY AFFORESTATION LAND AT PARIGAM RF IN KALLAKURICHI RANGE, VILUPPURAM
FOREST DIVISION DURING 2027-28**

Size of Bags: 16x30cm 300g

No of Seedlings: 1080 Nos

Area in Ha : 0.108

Wage rate Rs: 460.25 Nos

Sl. no	Qty	Unit	Name of the work	FSR/ SSR	FSL	Rate	Per	Amount
Vth YEAR MAINTENANCE								
1	1080	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 (2 soil works)	5.24	1.23	566.11	100 No	6113.96
2	1080	Nos	Application of poultry manure @ 250g per plant by mixing applying in the time of soil work including cost & transport	As per ME		1.25	1 Nos	1350.00
3	1080	Nos	Application of DAP mixture @ 20g per plant by mixing in the time of soil work including cost & transport	As per ME		0.50	1 Nos	540.00
4	LS		For documentation and unforeseen expenditure to be restricted to as per actuals.				LS	496.00
			Total					8500.00
			Add 10% Escalation for the year 2022-23					9350.00
			Add 10% Escalation for the year 2023-24					10285.00
			Add 10% Escalation for the year 2024-25					11314.00
			Add 10% Escalation for the year 2025-26					12445.00
			Add 10% Escalation for the year 2026-27					13690.00
			Add 10% Escalation for the year 2027-28					15059.00

Specification

- 1 This estimate prepared based on 2021-22 FSR rates
- 2 For the item No. 1 minimum wage rates as per FSR for the year 2021-22 has been adopted in the estimate
- 3 For item No.. 2 & 3 : A rate of Rs.1.25/- & Rs.0.50/- per seedling has been provided un MTP ME
- 4 For item No. 3 : LS Provision for documentation,Pesticides,Loading and Unloading and Transport charges unforeseen expenditure of excution work has been provided.
- 5 Added every year increasing escalation of 10% from 2022-23

[Signature]
20/12/2021
Forest Range Officer
Kallakurichi Range
Kallakurichi

/ COUNTERSIGNED /

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District Forest Officer,
Villupuram Forest Division.
Villupuram.

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25.12.21 27/221

**ESTIMATE FOR MAINTANANCE PLANTS MISCELANEOUS SEEDLINGS (NATIVE SPECIES) IN THE
COMPENSATORY AFFORESTATION LAND AT PARIGAM RF IN KALLAKURICHI RANGE, VILUPPURAM
FOREST DIVISION DURING 2030-31**

Size of Bags: 16x30cm 300g

No of Seedlings: 1080 Nos

Wage rate Rs: 460.25

Area in Ha : 0.108

Area in Ha : 0.100

Sl. no	Qty	Unit	Name of the work	FSR/ SSR	FSL	Rate	Per	Amount
VIIIth YEAR MAINTENANCE								
1	1080	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 (2 soil	5.24	1.23	566.11	100 Nos	6114.00
2	1080	Nos	Application of poultry manure @ 250g per plant by mixing applying in the time of soil work including cost & transport	As per ME		1.25	1 Nos	1350.00
3	1080	Nos	Application of DAP mixture @ 20g per plant by mixing in the time of soil work including cost & transport	As per ME		0.50	1	540.00
4	LS		For documentation and unforeseen expenditure to be restricted to as per actuals.				LS	496.00
			Total					8500.00
	Add 10% Escalation for the year 2022-23							9350.00
	Add 10% Escalation for the year 2023-24							10285.00
	Add 10% Escalation for the year 2024-25							11314.00
	Add 10% Escalation for the year 2025-26							12445.00
	Add 10% Escalation for the year 2026-27							13690.00
	Add 10% Escalation for the year 2027-28							15059.00
	Add 10% Escalation for the year 2028-29							16565.00
	Add 10% Escalation for the year 2029-30							18222.00
	Add 10% Escalation for the year 2030-31							20044.00

Specification

- 1 This estimate prepared based on 2021-22 FSR rates
- 2 For the item No. 1 minimum wage rates as per FSR for the year 2021-22 has been adopted in the estimate
- 3 For item No.. 2 & 3 : A rate of Rs.1.25/- & Rs.0.50/- per seedling has been provided un MTP ME
- 4 For item No. 3 : LS Provision for documentation,Pesticides,Loading and Unloading and Transport charges unforeseen expenditure of excution work has been provided.
- 5 Added every year increasing escalation of 10% from 2022-23

/ COUNTERSIGNED /

**District Forest Officer,
Villupuram Forest Division,
Villupuram.**

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[Signature]
Forest Range Officer
Kallakurichi Range
Kallakurichi

**ESTIMATE FOR MAINTANANCE PLANTS MISCELANEOUS SEEDLINGS (NATIVE SPECIES) IN THE
COMPENSATORY AFFORESTATION LAND AT PARIGAM RF IN KALLAKURICHI RANGE,
VILUPPURAM FOREST DIVISION DURING 2031-32**

Size of Bags: 16x30cm 300g

No of Seedlings: 1080 Nos

Area in Ha : 0.108

Wage rate Rs: 460.25

Sl. no	Qty	Unit	Name of the work	FSR/ SSR	FSL	Rate	Per	Amount
	IXth YEAR MAINTENANCE							
1	1080	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 (2 soil works)	5.24	1.23	566.11	100 No	6113.96
2	1080	Nos	Application of poultry manure @ 250g per plant by mixing applying in the time of soil work including cost & transport	As per ME		1.25	1 Nos	1350.00
3	1080	Nos	Application of DAP mixture @ 20g per plant by mixing in the time of soil work including cost & transport	As per ME		0.50	1 Nos	540.00
4	LS		For documentation and unforeseen expenditure to be restricted to as per actuals.				LS	496.00
			Total					8500.00
Add 10% Escalation for the year 2022-23								9350.00
Add 10% Escalation for the year 2023-24								10285.00
Add 10% Escalation for the year 2024-25								11314.00
Add 10% Escalation for the year 2025-26								12445.00
Add 10% Escalation for the year 2026-27								13690.00
Add 10% Escalation for the year 2027-28								15059.00
Add 10% Escalation for the year 2028-29								16565.00
Add 10% Escalation for the year 2029-30								18222.00
Add 10% Escalation for the year 2030-31								20044.00
Add 10% Escalation for the year 2031-32								22048.00

Specification

- 1 This estimate prepared based on 2021-22 FSR rates
- 2 For the item No. 1 minimum wage rates as per FSR for the year 2021-22 has been adopted in the estimate
- 3 For item No.. 2 & 3 : A rate of Rs.1.25/- & Rs.0.50/- per seedling has been provided un MTP ME
- 4 For item No. 3 : LS Provision for documentation,Pesticides,Loading and Unloading and Transport charges unforeseen expenditure of excution work has been provided.
- 5 Added every year increasing escalation of 10% from 2022-23

/ COUNTERSIGNED /

**District Forest Officer,
Villupuram Forest Division,
Villupuram.**

25.12.21

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Forest Range Officer
Kallakurichi Range
Kallakurichi

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20.12.2021

**ESTIMATE FOR MAINTANANCE PLANTS MISCELANEOUS SEEDLINGS (NATIVE SPECIES) IN THE
COMPENSATORY AFFORESTATION LAND AT PARIGAM RF IN KALLAKURICHI RANGE, VILUPPURAM
FOREST DIVISION DURING 2032-33**

Size of Bags: 16x30cm 300g

No of Seedlings: 1080 Nos

Area in Ha : 0.108

Wage rate Rs: 460.25

Sl. no	Qty	Unit	Name of the work	FSR/ SSR	FSL	Rate	Per	Amount
	Xth YEAR MAINTENANCE							
1	1080	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 (2 soil works)	5.24	1.23	566.11	100 No	6113.96
2	1080	Nos	Application of poultry manure @ 250g per plant by mixing applying in the time of soil work including cost & transport	As per ME		1.25	1 Nos	1350.00
3	1080	Nos	Application of DAP mixture @ 20g per plant by mixing in the time of soil work including cost & transport	As per ME		0.50	1 Nos	540.00
4	LS		For documentation and unforeseen expenditure to be restricted to as per actuals.				LS	496.00
			Total					8500.00
Add 10% Escalation for the year 2022-23								9350.00
Add 10% Escalation for the year 2023-24								10285.00
Add 10% Escalation for the year 2024-25								11314.00
Add 10% Escalation for the year 2025-26								12445.00
Add 10% Escalation for the year 2026-27								13690.00
Add 10% Escalation for the year 2027-28								15059.00
Add 10% Escalation for the year 2028-29								16565.00
Add 10% Escalation for the year 2029-30								18222.00
Add 10% Escalation for the year 2030-31								20044.00
Add 10% Escalation for the year 2031-32								22048.00
Add 10% Escalation for the year 2032-33								24253.00
Part -A Total								24253.00
Grand Total								24253.00

Specification

- 1 This estimate prepared based on 2021-22 FSR rates
- 2 For the item No. 1 minimum wage rates as per FSR for the year 2021-22 has been adopted in the estimate
- 3 For item No. 2 & 3 : A rate of Rs.1.25/- & Rs.0.50/- per seedling has been provided un MTP ME
- 4 For item No. 3 : LS Provision for documentation,Pesticides,Loading and Unloading and Transport charges unforeseen expenditure of excution work has been provided.
- 5 Added every year increasing escalation of 10% from 2022-23

/ COUNTERSIGNED /

**District Forest Officer,
Villupuram Forest Division,
Villupuram.**

**Forest Range Officer
Kallakurichi Range
Kallakurichi**