

TAMIL NADU FOREST DEPARTMENT

From

Dr.H.Dileep Kumar., IFS.,
Deputy Director,
Srivilliputtur Megamalai Tiger Reserve,
Srivilliputtur.

To

Conservator of Forests & Field Director,
Srivilliputtur Megamalai Tiger Reserve,
Madurai.

C.No. 2376 / 2018/D dated. 22 .09.2022.

Sir,

Sub : Forests – Forest (Conservation) Act, 1980 – Laying of Optical Fibre Cable – M/s Reliance Jio Infocomm Ltd – diversion of 0.19 ha of forest land - carrying out 'Laying of Optical Fibre Cable' along the Theni – Mallapuram route involves Forest area of Theni, Myladumparai and Mallapuram – Additional details called for – Reply submitted- Regarding.

- Ref: 1. Principal Chief Conservator of Forests, Chennai. Ref.No. TS4/4382/2017, Dated: 27.07.2020.
2. Deputy Director, Srivilliputtur. Ref.No. D/2376/2018, Dated: 13.04.2022.
3. Conservator of Forests & Field Director, Srivilliputtur Megamalai Tiger Reserve, Madurai. C.No. 6099/2021/D1, Dated: 07.06.2022.

I submit that the details called for in the reference cited, the reply is furnished below:

1. Total length required for this OFC is 6.23km. Deputy Director, Srivilliputtur reported that the total area 5.00 km and Passes through Sanctuary area 4.30 km and Non- Sanctuary area 0.70 km. Balance (6.23 – 5.00) 1.23km has not mentioned in his inspection / recommendation. This may be clarified.

The Total length of the road from Mallapuram to Myladumparai is 6.23 K.m, 5.00 Km is under the control of Srivilliputhur Megamalai Tiger Reserve, Srivilliputtur Division and remaining 1.23 Km is under the control of Srivilliputhur Megamalai Tiger Reserve, Megamalai Division.

2. The Deputy Director, Srivilliputtur is requested to submit the copy of modal estimate approved by the Principal Chief Conservator of Forests for raising 500 seeding in 30 x 45 bags to check the estimate which was submitted by him.

Copy of Principal Chief Conservator of Forests approved model estimate is enclosed herewith.

3. As per the Handbook on Forest (Conservation) Act 1980 under chapter 2, Compensatory Afforestation in section 2.4(vi) State Government shall prepare a CA scheme with 1000 plants per Ha for all such non-forests lands. In case it is not possible to raise plantation at the rate of 1000 Plants per ha in the selected non-forests land, that the balance plants shall be planted on degraded forest land as per working plan Prescriptions. All Forests lands which have crown density below 40 percent should only be treated as degraded forest land for the purpose of CA.

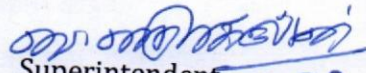
As per above instructions revised estimate is prepared and submitted.

Further I submit, as per the above instruction revised Part-II is uploaded in the PARIVESH portal.

Encl: As above

Yours faithfully
(Sd). H.Dileep Kumar
Deputy Director,

/T.c.b.o/


Superintendent
22.9.22

✓
22/9/22

Ref No. JP1/5218/2018

O/o the Principal Chief Conservator of Forests
(Head of Forest Force),
Panagal Maligai, Saidapet, Chennai 600 015
Dated. 18.09.2018

Sub: National Highways Authority of India - Undertaking plantation
along National Highways of Tamil Nadu State - Regarding.

Ref: 1. Principal Chief Conservator of Forests (HoFF), Chennai-
15. Lr.No. JP1/5218/2018, dated. 14.02.2018.
2. G.O.(2D) No. 41 Environment and Forests (FR.6)
Department, dated. 11.09.2018.

Kind attention is invited to the reference 2nd cited above which is enclosed herewith, wherein, the government has sent the approval on Memorandum of Understanding (MoU) for undertaking plantation along National Highways of Tamil Nadu State and mentioned that the administrative approval of the Government for carrying out the afforestation activities every year.

2) Also, a copy of the model estimate in common to Tamil Nadu Forest Department is enclosed herewith for implementing the scheme. The Chief Conservator of Forests are requested to follow the guidance issued in the Government Orders for signing of the MoU between the concern Chief Conservator of Forests and National Highways of Tamil Nadu State accordingly. The Chief Conservator of Forests are requested to acknowledge the receipt of the reference.

Encl: As above

K. Varadachari
19/9/18
For Principal Chief Conservator of Forests
(Head of Forest Force)

To
The Chief Conservator of Forests, Tirunelveli / Madurai / Virudhunagar / Vellore and
Dharmapuri.

Estimate for Raising preparatory Nursery (Taller Seedlings) works under Gree Highways Policy NHAI - Social Forestry Division, Virudhunagar

Mod of Nursery : Oct 2018 to Mar 2019
Size of bags : 13x25cm & 30x45cm

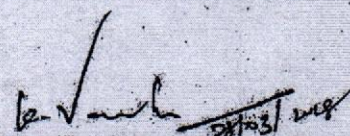
No. of Seedlings : 1000 Nos
(10% Casualty replacement)

S No	Quantity	Unit	Name of Work	FSR / SSR	Rate	Per	unit	Amount
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)
			Part-I Small size bags 13x25 cm					
1	150	m ²	Preparation of Nursery site by clearing and levelling the site for forming size 10m x 1m	4.1	770.17	200	sq.m	578
2	1100	Nos	Cost of Polythene Bags 13x25cmx 250.G	Tender rate 2017-18	932.20	1000	Nos	1025
3	2	Kgs	Cost of Seed	MTP ME	150.00	1	Kg	300
4	3	M ³	Forming Germination beds of size 10m x 1m x 0.3 m by heaping the soil	PWD SSR item No.62 (CF ME)	61.10	1	M ³	183
5	1	15 Bed/ Days	Watering the Germination beds twice daily with rose cans for 15 days.	4.5.1	260.97	10	Bed	391
6	1	15 Bed/ Days	Watering the Germination beds once daily with rose canes for 15 days.	4.5.2	130.48	10	Bed	196
7	1.181	Cu.m	Collection & Supply of Sand silt and red soil according to the requirement for preparation of soil mixture-4/5th of the total volume.	MTP M.E	750.00	1	Cu.m	886
8	0.29	Cu.m	Cost and transport & Farm Yard Manure for fillings bags 1/5 of the total volume.	MTP M.E	750.00	1	Cu.m	218
9	1100	Nos	Preparation of soil mixture by breaking clods, sieving, mixing red soil, silt sand according to requirement and farm Yard Manure in the rate of 4:1 heaping at the filling in poly bags, arranging bags in beds and pricking out the seedlings (excluding cost of soil mixture and FYM)	4.6.4	1425.76	1000	Nos	1568
10			Watering the container plants with rose cans - watering regime as per the NHAI - ME approved in PCCF Ref. No: J1/57395/2003 dt: 12.12.2013.					
11	1100	15 No/ Days	Twice Daily - 15 days	4.10.4	73.20	1000	Nos	1208
12	1100	30 No/ Days	Once Daily - 30 days	4.11.4	36.60	1000	Nos	1208
13	1100	15 No/ Days	Alternate days - 15 days	4.11.4	36.60	1000	Nos	604
14	1100	60 No/ Days	Cost of water for watering the container seedlings from private well - 60 days	4.18.4	0.85	1000	Nos / Day	56

S No	Quantity	Unit	Name of Work	FSR / SSR	Rate	Per	unit		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
15	1100	2	No/ Times	Shifting the Containers Seedlings Weeding grading and replacement of Causalities in the bags-2 Shift	4.15.4	162.31	1000	Nos/ Shift	357
				Part A total					8778
				Part - II (Bags size 30x45cmx400G)					
16	1100		Nos	Cost of Polythene Bags 30x45cmx 400G	Tender rate 2017-18	6177.30	1000	No	6795
17	10.15		Cu.m	Collection & Supply of Sand Silt and red soil according to the requirement pro preparation of soil mixture - 4/5 of the total Volume (excluding the volume of earth in 13 x 25cm containers)	MTP ME	750.00	1	Cu.m	7613
18	2.34		Cu.m	Cost and Transport of Farm yard Manure. For filling bags.	MTP ME	750.00	1	Cu.m	1905
19	1100		Nos	Preparation of soil mixture by breaking clods, sieving mixing red soil, silt and sand according to requirements and Farm Yard Manure in the ratio of 4:1 heaping at the filling site and filling in poly bags arranging bags in beds and picking out the seedlings (excluding cost of soil mixture and FYM)	4.6.7	9092.40	1000	Nos	10002
20	38.50		kgs	Cost of Vermicasting @ 35 gm per seedling		10.00	1	kg	385
21	6.60		kgs	Cost of Azospirillum @ 6 gm per seedling	MND Dharmapuri Rate	27.00	1	kg	178
22	6.60		kgs	Cost of Phospho bacteria @ 6 gm per seedling		27.00	1	kg	178
23	16.50		kgs	Cost of VAM @ 15 gm per seedling		18.00	1	kg	297
24	11		Man days	Labour cost for Transplanting Seedlings from 13x25cm bags into 30x45cm Containers 10 Maz/1000.	FSR / SSR	318.25	1	Man days	3501
25	1100		No	Cost of Vertical sticks of size 2.5mt ht.	MTP ME	6.00	1	No	6600
26	1100	2	No/ Times	Tying Plants to the Vertical stick once in Month 2 times.	MTP ME	0.20	1	No	440
27	550		Mtr	Cost of Horizontal sticks	MTP ME	1.00	1	Mtr	550
28	1100	2	No/ Times	Pruning side branches once in 2 Months - 2 Times.	MTP ME	1.00	1	No	2200
29	1100	60	No/ Days	Watering the Containers plants Twice daily - 60 days	4.10.7	178.22	1000	No/ Days	11763
30	1100	1	No/ Times	Shifting the Containers Seedlings once in 21 days. First shift after 45 days from the date of transplanting - 1 time.	4.15.7	856.09	1000	No/ time	942

	Quantity	Unit	Name of Work	FSR / SSR	Rate	Per	unit	Amount	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(10)	
31	1100	60	No/ Days	Cost of water for watering the container seedlings from private well - 60 days	MTP ME	3.20	1000	Nos / Day	211
32	66	5	M ² / Month	Land rent for keeping nursery - 5 Months	MTP ME	86.00	40	M ² / Month	710
33	1100	120	No/ Days	Nursery Protection Mazdoor 1 no/ 20000 Nos of 30x45 bags - 120 days	MTP ME	318.25	20000	Nos/ Man Days	2100
34	LS			Contingencies for application of pesticides and panchagavya etc., and unforeseen items if any.		LS			1216
				Part B Total					57586
				Part A + Part B Total					66364
				10% FSR Escalation 2018-19					6636
				Grand Total					73000
				Cost per seedlings					73.00

The rates are provided based on the FSR 2017-18 and PWD SSR 2017-18


 for Principal Chief Conservator of Forests
 (Head of the Department)

2
3/3/18

Model Estimate for Maintenance of Nursery works (Taller seedlings) Under the scheme of Green Highways Policy NH
Social Forestry Division, Virudhunagar

Period of work : Apr 2019 to Sep 2019

No. of Seedlings: 1000 Nos

S No	Quantity		Unit	Name of Work	FSR / SSR	Rate	Per	unit	Amount
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
				<u>Part - III - Nursery Maintenance</u>					
1	1100	180	No/ Days	Watering the Containers plants with rose cans - (watering regime as per the MTP M.E) - once daily in 180 days	4.11.7	89.11	1000	No/ Days	17644
2	1100	8	No/ Times	Shifting the Containers Seedlings once in 21 days - 8 shift (First shift after 45 days from the date of transplantation)	4.15.7	856.09	1000	No/ Days	7534
3	1100	180	No/ Days	Nursery Protection Mazdoor 1 no for 20000 Nos of 30x45 bags - 180 days	MTP M.E. (Minimum wages)	318.25	20000	Nos/ Man Days	3151
4	1100	180	No/ Days	Cost of water for watering the container seedlings from private well - 180 days	MTP M.E.	3.20	1000	Nos/ Day	634
5	60	6	M ² / Month	Land rent for keeping nursery - 6 Months	MTP M.E.	86.00	40	M ² / Month	774
6	LS			Contingencies and unforeseen expenditure towards application of pesticides and panichakavya fertilizer and unforeseen item if any...		LS			263
				Total					30000
				10% FSR Escalation 2018-19					3000
				Total					33000
				10% Escalation for 2019-20					3300
				Total					36300
				Cost per seedlings					36.30
								or	36.00

K. V. S. Srinivasan
for Principal Chief Conservator of Forests
(Head of the Department)

R. V. S. Srinivasan
28/3/18

Model Estimate for Planting 1000 Nos of Taller seedlings Under the scheme of Green Highways Policy NHAI -
Social Forestry Division, Virudhunagar

Period of work : October 2019 to Mar 2020

No. of Seedlings : 1000 Nos

S.No	Quantity	Unit	Name of Work	FSR / SSR	Rate	Per unit	Amount
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
<i>Part - IV (Planting Activities)</i>							
1	1000	1 Nos	Aligning and Marking strip plantation including avenue	FSR item No. 5.2.4	439.19	1000 Nos	439
2	1000	1 Nos	Digging of 60cm ³ pits in all types of soil for avenue plantations rainy season	FSR item No. 5.8.1	2456.89	100 Nos	24569
3	72	1 M ³	Collection and supply of Farmyard manure 1/3 of the pit (0.60x0.60x0.20x1000=72m ³)	Local rate	750	1 M ³	54000
4	26	1 M ³	Application charges for farmyard manure for 60cm ³ pit @ 1 maz/38nos	Wage rate	318.25	1 Nos	8275
5	72	1 M ³	Collection and supply of sand/silt and red soil according to the requirement 1/3 of the pit (0.60x0.60x0.20x1000=72m ³)	Local rate	750	1 M ³	54000
6	1000	1 Kg	Cost of Vermicompost 1kg/Plant (1000Kg)	MTP ME	10.00	1 Kg	10000
7	100	1 Kg	Cost of Vam 100gm/Plant (100Kg)	MTP ME	18.00	1 Kg	1800
8	12.5	1 Kg	Cost of Azosphrillum 12.5gm /Plant (12.5Kg)	MTP ME	27.00	1 Kg	338
9	12.5	1 Kg	Cost of Phosphobacteria 12.5gm /Plant (12.5Kg)	MTP ME	27.00	1 Kg	338
10	1100	1 Nos	Transporting saplings (transported to the radius of 40 Kms) excluding loading and unloading	MTP ME	7	1 Nos	7700
11	1100	1 Nos	Loading and unloading the polythene container seedlings in private / department vehicles (excluding hire charges)	FSR item No. 5.11.7	1047.04	1000 No	1152
12	1100	1 Nos	Distribution of saplings from where seedlings are stocked to the planting spot upto 100 mts	FSR item No. 5.15.1	3182.50	1000 Nos	3501
13	1000	1 Nos	Planting the container seedlings by refilling the pits of size 60 cm in avenue	FSR item No. 5.22	544.21	100 Nos	5442
14	100	1 Nos	Replacement of casualties (10% of the total plants) by re-opening the failed pits and planting the container plants and refilling the pits ½ rate full rate of planting	FSR item No. 5.23 2017-18	1772.65	100 Nos	1773
15	1000	1 Nos	Mulching the planted seedlings at 100gms coconut coir pith per pit.	Local rate	2	1 Nos	2000
16	1000	1 Nos	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	FSR item No. 5.24	391.45	100 Nos	3915

S No	Quantity	Unit	Name of Work	FSR / SSR	Rate	Per unit	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
17	2500	1 Mtr	Provision of vertical casuarina poles to the planted seedlings 2.50 mtr ht. per plant	PWD SSR 2017-18	18	1	RM 45000
18	1000	15 Days	Watering the plants in 5 time per month / non-rainy period @ one mazdoor for 200 plants / watering day (15 watering days)	MTP ME	318.25	200	Nos / Day 23869
19	300000	1 Ltr / Nos	Cost of water @ 20 litres per seedlings 3 months - 15 watering days) 20x1000x15=300000 litres	MTP ME	1200	12000	Ltrs 30000
20	150	2 Days / Maz	Engaging protection Mazdoor @ 1 Maz/500 plants (6 months - 25 days per month - 150 days)	MTP ME Wages Rate FSR	318.25	1	Days / Maz 95475
21	1000	1 Nos	Providing Treeguard (with chicken mesh net)	Local rate	700	1	Nos 700000
22	LS		Transport of Biofertilizer - Freight Charges	As per actual			1500
23			Contingencies and unforeseen expenditure towards application of pesticides and panchakayya fertilizer, name board and publicity board and unforeseen item if any	LS			3658
			Total				1078744
			10% FSR Escalation 2018-19				107874
			Sub Total				1186618
			10% FSR Escalation 2019-20				118662
			Grand Total				1305280
			Cost per seedlings				1305.28

Specification

For item no. 21, chicken mesh Treeguard, 700/- per unit is claimed based on local rates and necessary Quotations obtained while sanctioning the estimate.

K. V. Venk
for Principal Chief Conservator of Forests
(Head of the Department)

By
28/3/18

Estimate for 3rd year maintenance of 1000 nos Taller seedlings Under the scheme of Green Highways Policy NHAI
- Social Forestry Division, Virudhunagar

No. of Seedlings : 200 Nos
(20% Casualty)

S No	Quantity	Unit	Name of Work	FSR / SSR	Rate	Per	unit	Amount
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(10)
1	1000	45 Nos / day	Watering the plants in 5 days per month / from April to March (except Oct, Nov, Dec 9 Months) @ one mazdoor for 200 plants / watering day (45 watering days)	Guideline Table 1 & MTP M.E	318.25	200	Nos / Day	71606
2	900000	1 Ltr / Nos	Cost of water @ 20 litres per seedlings for 28 days (20 x 1000 x 45 = 900000 litre)	MTP ME	1200	12000	Ltrs	90000
3	300	2 Days / Maz	Engaging Protection mazdoor for 12 months @ 25 days per month = 300 days (1 mazdoor / 500 plants)	MTP ME	318.25	1	Days / Maz	190950
4	1000	1 Nos	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	FSR item No. 524 2017-18	391.45	100	Nos	3915
5	LS		Unforeseen expenditure if any	LS				878
			Total					357349
			10% FSR Escalation (2018-19)					35735
			Sub Total					393084
			10% FSR Escalation (2019-20)					39308
			Sub Total					432392
			10% FSR Escalation (2020-21)					43239
			Grand Total					475632
			10% FSR Escalation (2021-22)					47563
			Grand Total					523195
			10% FSR Escalation (2022-23)					52319
								575514
			Cost per seedlings					575.51
							or	576.00

K. Vamsh
for Principal Chief Conservator of Forests
(Head of the Department)

P. S. S. S.

**Model Estimate for 2nd year maintenance of 1000 nos Taller seedlings Under the scheme of Green Highways Policy
NHAI - Social Forestry Division, Virudhunagar**

**No. of Seedlings : 200 Nos
(20% Casualty)**

S No	Quantity	Unit	Name of Work	FSR / SSR	Rate	Per	unit	Amount	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(10)	
1	1000	45	Nos / day	Watering the plants in 5 days per month / from April to March (except Oct, Nov, Dec- 9 Months) @ one mazdoor for 200 plants / watering day (45 watering days)	Guideline Table I & MTP M.E	318.25	200	Nos / Day	71606
2	900000	1	Ltr / Nos	Cost of water @ 20 litres per seedlings for 28 days (20 x 1000 x 45 = 900000 litre)	MTP ME	1200	12000	Ltrs	90000
3	300	2	Days / Maz	Engaging Protection mazdoor for 12 months @ 25 days per month = 300 days (1 mazdoor / 500 plants)	MTP ME	318.25	1	Days / Maz	190950
4	1000	1	Nos	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	FSR item No. 5.24 2017-18	391.45	100	Nos	3915
5	LS			Unforeseen expenditure if any	LS				878
Total									357349
10% FSR Escalation (2018-19)									35735
Sub Total									393084
10% FSR Escalation (2019-20)									39308
Sub Total									432392
10% FSR Escalation (2020-21)									43239
Grand Total									475632
10% FSR Escalation (2021-22)									47563
Grand Total									523195
Cost per seedlings									523.19
									or 523.00

[Signature]
for Principal Chief Conservator of Forests
(Head of the Department)

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