


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 20.09.2022.

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.

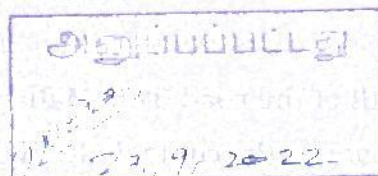
Further I submit, as per the above instruction revised Part-II is uploaded in the PARIVESH portal.

Encl: As above

Yours faithfully


Deputy Director,


20/9/2022
20/9/22
VJ
D/C



PART-II

(To be filled by the concerned Deputy Conservator of Forest)

State Serial No. of proposal : TN-037/2020

1. Location of the project/Scheme : Tamil Nadu

- (i) State / Union Territory : Tamil Nadu
- (ii) District : Madurai
- (iii) Forest Division : Srivilliputhur WL
- (iv) Area of forest land proposed for diversion (in ha.) : 0.19
- (v) Category of the Proposal: Others

2. Legal status of forest land proposed for diversion :

S. No.	Division	Forest Land(ha.)	Legal Status
1	Srivilliputhur WL	0.19	Protected Forest
Total		0.19	

Division 1. : Srivilliputhur WL

3. District wise area to be diverted in the division :

S. No.	District	Area(ha.)
1	Madurai	0.19
Total		0.19

4. Details of Vegetation available in the forest land proposed for diversion :

(i) Density of vegetation

S. No.	Area(in ha.)	Density	Eco-Class
1	0.19	0.4	Eco 3
Total.	0.19		

(ii) Species-wise local/scientific names and girth-wise enumeration of trees at FRL :

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm.	(>150)cm.
1	Teak		0	0	0	0	0	0
Total			0	0	0	0	0	0
Sub Total (No of Trees.)			0					

5. Working plan prescription for the forest land proposed for diversion : Tiger Conservation Plan is under Preparation

6. Brief note on vulnerability of the forest area to erosion : Proposed area for diversion is hill. Hence prone for erosion

7. Approximate distance of the proposed site for diversion from boundary of forest(in km.) : 0

8. Significance of the forest land proposed for diversion from wildlife point of view :

- (i). Details of wildlife present in and around the forest land proposed for diversion : Grizzled Giant Squirrel Common Langur Leopard Slender Loris Indian Gaur Sambar

Chital Jungle Cat Small Indian Civet Common Plam Civet Brown Palm Civet Common Mongoose Sloth Bear Ruddy mongoose Wild pig Indian Pangolin Star tortoise Indian Porcupine Monitor Lizard Changeable hawk eagle Serpent eagle Eagle owl Jungle owlet Peafowl Grey jungle fowl Spectacled cobra Rat snake Indian krait

- (ii). Whether forms part of national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc. : Yes

Details and comments on the impact of Project on such areas : Since the project proposed is all along the existing road, the impact is minimal

- (iii). Whether the forest land proposed for diversion is located within eco-sensitive zone(ESZ) of the Protected Area notified under Wildlife(Protection) Act, 1972 (Note: In case, ESZ of a Protected Area is not notified, then, 10kms distance from boundary of the Protected Area should be treated as ESZ): No

- (iv). Whether any national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc., is located within 1 Km. from boundary of the forest land proposed for diversion : Yes

Details and comments on the impact of Project on such areas : Since the project proposed is all along the existing road, the impact is minimal

- (v). Whether any rare/endangered/unique species of flora and fauna found in the area : Yes

9.

Details of any protected archaeological/heritage site/defence establishment or any other important monument located in the area, if any :

- (i). Whether any protected archaeological/heritage site/defence establishment or any other important monument is located in the area : No

10. Comment as to the reasonability of the extent of the forest land proposed for diversion :

- (i). Whether the requirement of forest land as proposed by the user agency is unavoidable and bare minimum for the project : Yes


11. Details of violation(s), if any ,committed :





- (i). Whether any work in violation of the Act or guidelines issued under the Act has been carried out : No

12. Whether work in violation is still in progres(Yes/No) : No Data


13. Details of compensatory afforestation scheme :

- (i). Patch wise details for Degraded Area (To be earmarked by DFO)
 (i). Total Financial Outlay for C.A(lacs): 2.61

Patch Wise Details						
S.no	Patch No.	Area(ha.)	Name of PF/RF	Range	Compartment No	Uploaded KML file of patch
1	1	0.38	Saptur	Saptur	Nil	 View file

- (ii). Copy of CA scheme details: 
- (iii). Scanned copy of the Geo-referenced map of the forest land proposed for C.A. prepared by using DGPS or Total Station: 
- (iv). Copy of Survey of India Toposheet indicating boundary of forest land proposed for C.A.: 
- (V). Copy of NOC from Competent Authority : 


Additional information Details :

S. No.	Documents	Remarks
1		

14. District Profile :


S.no	District Name	Geographical area of the district (in ha.)	Forest area of the district (in ha.)	Total forest area diverted since 1980 (in ha.)	No. of Approved Cases	Forest Land including penal C.A. (in ha.)	Progress of compensatory afforestation as on(date)	A) Forest land (in ha.)	B) Non-forest land (in ha.)
1	Madurai	374173	51725	27.8256	12	26.805	22/10/2020	26.805	17.56

15. Site Inspection report of the DFO/CCF/Nodal Officer highlighting important facts pertaining to the forest land :

Division Name	Circle	Site inspected By	Whether site inspected	No. of times site visited	Site inspection report	Date of visit
Srivilliputhur WL	Virudhunagar	DFO	Yes	One		09/02/2022

(Specific recommendation of the DFO/CCF/Nodal Officer with(Part II,III & Part IV))

16. Specific recommendation of the DFO/CCF/Nodal Officer for acceptance or otherwise of the proposal with reason :

Division	Circle	Recommendation By	Recommendation	Reason	Letter	Whether CF agreed
Srivilliputhur WL	Virudhunagar	DFO	Recommended	The project area falls all along the existing road, it do not involve any felling of trees and moreover the impact of flora and fauna is minimal.		

Print page

Deputy Director

Srivilliputhur-Megamalai Tiger Reserve,
Srivilliputhur Division
SrivilliputhurSM
22/19/2022 VS
22/19/22

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. L.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

S. Varadarajan 18/09/2018
For Principal Chief Conservator of Forests
(Head of Forest Force)

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

AD
19/9/18

-425-

Estimate for Raising preparatory Nursery (Taller Seedlings) works under Green 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)

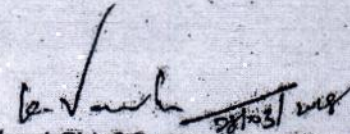
S No	Quantity	Unit	Name of Work	FSR / SSR	Rate	Per	unit	Amount	
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)	
Part-I Small size bags 13x25 cm									
1	150	m ²	Preparation of Nursery site by clearing and levelling the site for forming size 10m x 1m	4.1	770.17	200	sq.m	578	
2	1100	Nos	Cost of Polythene Bags 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 - MB 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)	
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 (exculding the volume of earth in 13 x 25cm containers)	MTP ME	750.00	1	Cu.m	7613
18	2.54		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 grm per seedling		10.00	1	kg	385
21	6.60		kgs	Cost of Azosphirillam @ 6 gm per seedling	MND Dharmapuri Rate	27.00	1	kg	178
22	6.60		kgs	Cost of Phospho bacteria @ 6 grm per seedling		27.00	1	kg	178
23	16.50		kgs	Cost of VAM @ 15 grm 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		Mts	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 - 1time	4.15.7	856.09	1000	No/ time	942

-421-

Quantity	Unit	Name of Work	FSR / SSR	Rate	Per unit	Amount
(2)	(3)	(5)	(6)	(7)	(8)	(10)
1000	60	No/ Days Cost of water for watering the container seedlings from private well - 60 days	MTP ME	3.20	1000	Nos/ Day 211
66	5	M ² / Month Land rent for keeping nursery - 5 Months	MTP ME	86.00	40	M ² / Month 710
1100	120	No/ Days Nursery Protection Mazdoor 1 no/ 20000 Nos of 30x45 bags - 120 days	MTP ME	318.25	20000	Nos/ Man 2100
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)

Ry
23/3/18

Model Estimate for Maintenance of Nursery works (Taller seedlings) Under the scheme of Green Highways Policy NHA
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 canis - (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 panchakavya fertilizer and unforeseen item if any...		LS			263
<i>Total</i>									30000
<i>10% FSR Escalation 2018-19</i>									3000
<i>Total</i>									33000
<i>10% Escalation for 2019-20</i>									3300
<i>Total</i>									36300
<i>Cost per seedlings</i>									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 NHA I -
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)	(9)
<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 sandsilt 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 Yam 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 casualities (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	As per	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
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
				<i>Total</i>					1078744
				<i>10% FSR Escalation 2018-19</i>					107874
				<i>Sub Total</i>					1186618
				<i>10% FSR Escalation 2019-20</i>					118662
				<i>Grand Total</i>					1305280
				<i>Cost per seedlings</i>					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. Venk
 28/12/18
 for Principal Chief Conservator of Forests
 (Head of the Department)

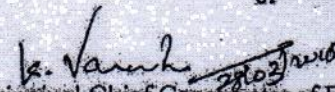
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
Estimate for 3rd year maintenance of 1000 nos Taller seedlings Under the scheme of Green Highways Policy NHA I
- Social Forestry Division, Virudhunagar

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)	(9)
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. 5.24 2017-18	391.45	100	Nos	3915
5	LS		Unforeseen expenditure if any	LS				878
			Total					357349
			<i>10% FSR Escalation (2018-19)</i>					35735
			<i>Sub Total</i>					393084
			<i>10% FSR Escalation (2019-20)</i>					39308
			<i>Sub Total</i>					432392
			<i>10% FSR Escalation (2020-21)</i>					43239
			<i>Grand Total</i>					475632
			<i>10% FSR Escalation (2021-22)</i>					47563
			<i>Grand Total</i>					523195
			<i>10% FSR Escalation (2022-23)</i>					52319
								575514
			Cost per seedlings					575.51

or 576.00


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

By

 2/3/18

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)	(5)	(6)	(7)	(8)	(9)	(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 1.5cm 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

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

2/2/18

PART-II

(To be filled by the concerned Deputy Conservator of Forest)

State Serial No. of proposal : TN-037/2020

1. Location of the project/Scheme : Tamil Nadu

- (i) State / Union Territory : Tamil Nadu
- (ii) District : Madurai
- (iii) Forest Division : Srivilliputhur WL
- (iv) Area of forest land proposed for diversion (in ha.) : 0.19
- (v) Category of the Proposal: Others

2. Legal status of forest land proposed for diversion :

S. No.	Division	Forest Land(ha.)	Legal Status
1	Srivilliputhur WL	0.19	Protected Forest
Total		0.19	

Division 1. : Srivilliputhur WL

3. District wise area to be diverted in the division :

S. No.	District	Area(ha.)
1	Madurai	0.19
Total		0.19

4. Details of Vegetation available in the forest land proposed for diversion :

(i) Density of vegetation

S. No.	Area(in ha.)	Density	Eco-Class
1	0.19	0.4	Eco 3
Total.	0.19		

(ii) Species-wise local/scientific names and girth-wise enumeration of trees at FRL :

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm.	(>150)cm.
1	Teak		0	0	0	0	0	0
Total			0	0	0	0	0	0
Sub Total (No of Trees.)			0					

5. Working plan prescription for the forest land proposed for diversion : Tiger Conservation Plan is under Preparation

6. Brief note on vulnerability of the forest area to erosion : Proposed area for diversion is hill. Hence prone for erosion

7. Approximate distance of the proposed site for diversion from boundary of forest(in km.) : 0

8. Significance of the forest land proposed for diversion from wildlife point of view :

- (i). Details of wildlife present in and around the forest land proposed for diversion : Grizzled Giant Squirrel Common Langur Leopard Slender Loris Indian Gaur Sambar

Chital Jungle Cat Small Indian Civet Common Plam Civet Brown Palm Civet Common Mongoose Sloth Bear Ruddy mongoose Wild pig Indian Pangolin Star tortoise Indian Porcupine Monitor Lizard Changeable hawk eagle Serpent eagle Eagle owl Jungle owlet Peafowl Grey jungle fowl Spectacled cobra Rat snake Indian krait

- (ii). Whether forms part of national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc. : Yes

Details and comments on the impact of Project on such areas : Since the project proposed is all along the existing road, the impact is minimal

- (iii). Whether the forest land proposed for diversion is located within eco-sensitive zone(ESZ) of the Protected Area notified under Wildlife(Protection) Act, 1972 (Note: In case, ESZ of a Protected Area is not notified, then, 10kms distance from boundary of the Protected Area should be treated as ESZ): No

- (iv). Whether any national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc., is located within 1 Km. from boundary of the forest land proposed for diversion : Yes

Details and comments on the impact of Project on such areas : Since the project proposed is all along the existing road, the impact is minimal

- (v). Whether any rare/endangered/unique species of flora and fauna found in the area : Yes

9.

Details of any protected archaeological/heritage site/defence establishment or any other important monument located in the area, if any :

- (i). Whether any protected archaeological/heritage site/defence establishment or any other important monument is located in the area : No

10. Comment as to the reasonability of the extent of the forest land proposed for diversion :

- (i). Whether the requirement of forest land as proposed by the user agency is unavoidable and bare minimum for the project : Yes

11. Details of violation(s), if any ,committed :


- (i). Whether any work in violation of the Act or guidelines issued under the Act has been carried out : No


12. Whether work in violation is still in progres(Yes/No) : No Data


13. Details of compensatory afforestation scheme :


(i). Patch wise details for Degraded Area (To be earmarked by DFO)


(i). Total Financial Outlay for C.A(lacs): 2.61

Patch Wise Details						
S.no	Patch No.	Area(ha.)	Name of PF/RF	Range	Compartment No	Uploaded KML file of patch
1	1	0.38	Saptur	Saptur	Nil	 View file


(ii). Copy of CA scheme details: 

(iii). Scanned copy of the Geo-referenced map of the forest land proposed for C.A. prepared by using DGPS or Total Station: 

(iv). Copy of Survey of India Toposheet indicating boundary of forest land proposed for C.A.: 

(V). Copy of NOC from Competent Authority : 


Additional information Details :

S. No.	Documents	Remarks
1		

14. District Profile :


S.no	District Name	Geographical area of the district (in ha.)	Forest area of the district (in ha.)	Total forest area diverted since 1980 (in ha.)	No. of Approved Cases	Forest Land including penal C.A. (in ha.)	Progress of compensatory afforestation as on(date)	A) Forest land (in ha.)	B) Non-forest land (in ha.)
1	Madurai	374173	51725	27.8256	12	26.805	22/10/2020	26.805	17.56

15. Site inspection report of the DFO/CCF/Nodal Officer highlighting important facts pertaining to the forest land :

Division Name	Circle	Site inspected By	Whether site inspected	No. of times site visited	Site inspection report	Date of visit
Srivilliputhur WL	Virudhunagar	DFO	Yes	One		09/02/2022

(Specific recommendation of the DFO/CCF/Nodal Officer with(Part II,III & Part IV))

16. Specific recommendation of the DFO/CCF/Nodal Officer for acceptance or otherwise of the proposal with reason :

Division	Circle	Recommendation By	Recommendation	Reason	Letter	Whether CF agreed
Srivilliputhur WL	Virudhunagar	DFO	Recommended	The project area falls all along the existing road, it do not involve any felling of trees and moreover the impact of flora and fauna is minimal.		

Print page

Deputy Director
Srivilliputhur-Megamalai Tiger Reserve,
Srivilliputhur Division
Srivilliputhur

22/01/22
22/01/22

Raising nursery for Compensatory afforestation proposal plan 30 x 45cm Taller Seedlings in Kottamalai beat of Saptur Range, Srivilliputhur Megamalai Tiger Reserve, Srivilliputhur

No. of Seedlings : 380 Nos
 Casualty 10% : 38 Nos.
 Total : 418 Nos.

30x45 cm container seedlings

Nursery Site: Kanavaipatti

Species: Mungil, Neeramaruthu, Naval, Illuppai, Aavi, Veppalai, Usil

S No	Quantity		Unit	Name of Work	FSR / SSR	Rate	Per	Unit	Amount
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Part I Small Size Bags (13x25 cm)									
1	63		M ²	Preparation of Nursery site by clearing and levelling the site for forming size 10m x 1m	4.1	1151.32	200	M ²	363
2	418		Nos	Cost of Polythene Bags 13x25cms x 250G	as per actual	1062.00	1000	Nos	444
3	1		kgs	Cost of Seed	as per actual	150	1	Kgs	150
4	1.25		M ³	Forming Germination beds of size 10m x 1m x 0.3 m by heaping the soil	PWD SSR item No.62	73.1	1	M ³	91
5	1	15	Bed/ Days	Watering the Germination beds twice daily with rose cans for 15 days.	4.5.1	390.12	10	Bed	585
6	1	15	Bed/ Days	Watering the Germination beds once daily with rose cans for 15 days.	4.5.2	195.06	10	Bed	293
7	0.45		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 ME	750	1	Cu.m	338
8	0.11		Cu.m	Cost and transport & Farm Yard Manure, for fillings bags 1/5 of the total volume.	MTP ME	750	1	Cu.m	83
9	418		Nos	Preparation of soilmixture 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	2131.36	1000	Nos	891
10	418	15	No/ Days	Watering the container plants with rose cans - Twice Daily - 15 days	4.10.4	109.42	1000	No/ Days	686
11	418	30	No/ Days	Watering the container plants with rose cans - Once Daily - 30 days	4.11.4	54.71	1000	No/ Days	686
12	418	15	No/ Days	Watering the container plants with rose cans - Alternate 15 days	4.11.4	54.71	1000	No/ Days	343
13	418	60	No/Days	Cost of water for watering the container seedling from private well - 60 days	4.18.4	0.85	1000	No/Days	21
14	418	2	No/ Times	Shifting the container seedlings weeding grading and replacement of casualties in the bags- 2 shift	4.15.4	242.63	1000	No/ Times	203
Sub Total									5177
Part II (Bag Size (30x45cm)									
15	418		Nos	Cost of Polythene Bags 30x45cms x 400G	as per actual	6584.00	1000	Nos	2752
16	9.85		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 (exculding the volume of earth in 13 x 25cm containers)	MTP ME	750	1	Cu.m	7388

17	0.12		Cu.M	Cost and Transport of Farm yard Manure. For filling bags.	MTP ME	750	1	Cu.M	90
18	418		Nos	Preparation of soilmixture 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 anf FYM)	4.6.7	13592.18	1000	Nos	5682
19	15.00		kgs	Cost of Vermicasting @ 35 grm per seedling	MND Dharmapuri Rate	10.00	1	kgs	150
20	2.50		kgs	Cost of Azosphirillam @ 6 grm per seedling		27.00	1	kgs	68
21	2.50		kgs	Cost of Phospho bacteria @ 6 grm per seedling		27.00	1	kgs	68
22	6.00		kgs	Cost of VAM@ 15 grm per seedling		18.00	1	kgs	108
23	4		Man days	Labour cost for Transplanting Seedlings from 13x25cm bags into 30x45cm Containers 10 Maz/1000.	C.F.M.E/ FSR / SSR	475.75	1	Man days	1903
24	418		No	Cost of Vertical sticks of size 2.5mt ht.	NHAI ME	6.00	1	No	2508
25	418	2	No/ Times	Tying Plants to the Vertical stick once in Month 2 times.	NHAI ME	0.20	1	No/ Times	167
26	418		Mts	Cost of Horizontal sticks	NHAI ME	1.00	1	Mts	418
27	418	2	No/ Times	Pruning side branches once in 2 Months - 2 Times.	NHAI ME	1.00	1	No/ Times	836
28	418	60	No/ Days	Watering the Containers plants Twice daily - 60 days	4.10.7	266.42	1000	No/ Days	6682
29	418	1	No/ Times	Shifting the Containers Seedlings once in 21 days. First shift after 45 days from the date of transplanting - 1time	4.15.7	1279.77	1000	No/ Times	535
30	418	60	No/ Days	Cost of water for watering the container seedling from private well - 60 days	4.18.4	0.85	1000	No/ Days	21
31	70	5	M ² / Months	Land rent for keeping nursery-5 Months	4.17	86.00	1	M ² / Months	30100
32	418	150	No/ Days	Nursery Protection Mazdoor 1 No/ 500 Nos of 30x45 bags - 150 days	C.F.ME & Wages Rate	475.75	6667	No/ Days	59659
34	LS			Laying pipeline with gate valve	as per actual				6500
35	LS			Contingencies for application of pesticides and panchagavya etc., and documentation and unforeseen items if any.		LS			1660
Sub-Total									127295
Total									132472
10 % Escalation									13247
Grand Total									145719

Specification

Model Estimate has been prepared based on Model Estimate approved by Principal Chief Conservator of Forests, Chennai Vide Ref.No:19290/2019/TS1 Dated: 26.04.2019 and FSR 2021-22

Sir,
Submitted to the Deputy Director, Srivilliputhur Megamalai Tiger Reserve, Srivilliputhur.

Forest Range Officer
Saptur Forest Range
Saptur

Deputy Director
Srivilliputhur-Megamalai Tiger Reserve,
Srivilliputhur Division
Srivilliputhur

22.9.22
VS
22/9/22

**Planting for Compensatory afforestation proposal plan 30 x 45cm Taller Seedlings in
Kottamalai beat of Saptur Range, Srivilliputhur Megamalai Tiger Reserve,
Srivilliputhur**

Size of Bags 30 x 45 cm

No. of Seedlings : 418 nos

Species: Mungil, Neermaruthu, Naval, Illuppai, Aavi, Veppalai, Usil

Location: Saptur RF

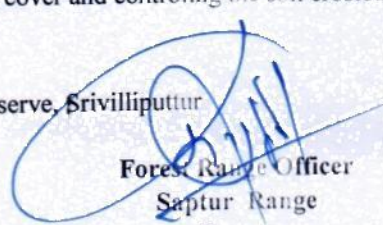
S.No	Qty	Unit	Details of Work	F.S.R	Rate	Per	Amount
1	2	3	4	5	6	7	8
1	380	Nos.	Digging 60cm ³ pits (Rainly season)	5.8.2	3734.55	100 Nos	14191
2	380	Nos.	Transporting saplings by private vehicle - Kanavaipatti to Kottamalai Planting site 35Kms) excluding loading and unloading	Lowest Quotati on	35.00	No.	13300
3	380	Nos.	Loading and unloading Poly-bag container plants in private/Department vehicles upto a lead of 2km (excluding hire charges for the vehicles)	5.11.7	1591.54	1000 Nos	605
4	380	Nos.	Transporting of polythene container seedlings by head load in places where approach roads are not available to take vehicles to planting site upto 500 mts.	5.13.2	16447.50	1000	6250
5	380	Nos.	Distribution of seedligs from foot of the hills where seedlings are stacked to the planting site upto 500 mtrs	5.16.3	25396.88	1000	9651
6	380	Nos.	Planting the container seedlings by refilling of 60cm3 size in hillocks	5.22	827.21	100	3143
7	380	Nos.	Scarap weeding 1mt dia and soil working 15cm depth around each plants and removing the grass roots away from the site or upturning the soil both in plains and hillocks.	5.24	595.01	100	2261
8	380	Nos.	Forming Semi-circular bunds to the plants	5.25	1393.20	100	5294
9	380	RM	Supply and fixing with 6 mm MS chain fencing around the planting area and Transporting charges	LQ	130.00	RM	49400
10	LS		Contingencies such as documentation and unforeseen item				904
			Total				105000
						10% FSR Escalation	10500
						Grand Total	115500

Specification

This proposal was very essential in increasing in forest green cover and controlling the soil erosion.

Sir,

Submitted to the Deputy Director, Srivilliputtur - Megamalai Tiger Reserve, Srivilliputtur


Forest Range Officer
Saptur Range
Saptur

Deputy Director

Srivilliputhur-Megamalai Tiger Reserve,

Srivilliputhur Division

Srivilliputhur

22/9/22

22/9/22