

TAMILNADU FOREST DEPARTMENT

From
Thiru Syed Muzammil Abbas IFS.,
Principal Chief Conservator of Forests,
(Head of Forest Force),
Panagal Maaligai, Saidapet,
Chennai - 600 015.

To
The Additional Chief Secretary to
Government, Environment, Climate Change
and Forests Department, Secretariat,
Chennai - 600 009.

Ref. No. TS4/31700/2017 dated.28.03.2022.

Madam,

- Sub: Forests - Forest (Conservation) Act, 1980 - Dindigul Circle / Dindigul Forest Division - Proposal for diversion of 1.68 ha of forest land for road up gradation of black top road from the foot hills of L.Maliyur to L.Maliyur Village - Online proposal Submission by the User Agency ie., DRDA- A.E., Natham Union Office Dindigul District on behalf of DRDA, Collectorate, Dindigul District- Regarding.
- Ref:1. Online application uploaded by the User Agency – Thiru.Murugaprakash, National Highways Authority of India, Dindigul, dated: 28.11.2018. (FP/TN/Road /37330/2018)
2. Government Letter No:17215/FR-10/2020-3 dated 19.08.2021
 3. Government of India, MoEF & CC, IRO, Chennai-6 F.No.4-TNB075/2021-CHN/880 dated 22.09.2021.
 4. Government Letter No:17215/FR-10/2020-6 dated 20.10.2021
 5. Chief Conservator of Forests, Dindigul C.No:7289/2017 D1 dated 12.11.2021
 6. District Forest Officer, Dindigul C.No:4581/2017 D1 dated 28.10.2021
 7. Principal Chief Conservator of Forests (Head of Department) letter No. TS4/31700/2017 dated 25-11-2021.
 8. Principal Chief Conservator of Forests and Chief Wildlife Warden letter No. WL5/2230/2022 dated 24-03-2022

I wish to state that, the Government of India had requested replies for the queries raised in the reference 3rd cited which is furnished as below.

Query:1 Correct Kml file of the forest area proposed for diversion may be furnished and the same shall be uploaded along with the online application in the PARIVESH Web portal.

Reply:- The Correct Kml file of the forest area proposed for diversion for 1.68 Ha has been uploaded along with the online application in the PARIVESH Web portal.

Query:2 To clarify whether any Schedule-I wild animals are present in the forest area proposed for diversion, if so, may kindly prepare wildlife mitigation plan and the same may be submitted to their office along with the comments of the Chief Wildlife Warden regarding impact of the road proposal on wildlife and its habitat

Reply:- The Chief Conservator of Forests, Dindigul has submitted the wildlife mitigation measures for the 1.68 Ha of forest land for the road up-gradation of black top road from the

foot hills of L. Maliyur to L. Malaiyur Village vide Ref. No. 7289/2017 D1 dated 12-11-2021 which is as below.

The project executing authority was requested to provide necessary following mitigation measures to tune up of Rs. 63,66,500/-for the following works:-

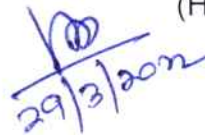
1. Clearing of Lantana will be made on either side of the road in 20 Ha. area and will be planted some fodder species.
2. In order to improve the habitat of the Schedule-I animals, estimate for raising fodder plantations for the Schedule-I as existing in the area of 20 Ha and 10 years maintenance are proposed.
3. Providing fencing on either side of road boundary with a minimum length of 500 m. in each side by covering the reserve forest land to be diverted for road in 2520 m.
4. Check Dams will be constructed on either side of the road for increasing the water resources for the fauna species.
5. Necessary Speed Controlling measures (Barricades and Speed Breaker) to be implemented.
6. Necessary awareness board and sign boards to be erected.
7. Information boards, such as "No sound Horn please" etc., to be erected.

The PCCF & CWLW, Chennai has accepted the Wildlife Mitigation Measures submitted by the Chief Conservator of Forests, Dindigul vide reference 8th cited. Copies of the reference 5th, 6th & 8th cited along with the mitigation measures are enclosed for onward transmission to Government of India. I request that the concurrence of the Government of India may kindly be obtained and communicated early.

Encl: as above.

Yours faithfully,


Principal Chief Conservator of Forests,
(Head of Forest Force),


29/3/2022



TAMIL NADU FOREST DEPARTMENT

From
Thiru. Syed Muzammil Abbas, I.F.S.,
Principal Chief Conservator of Forests
and Chief Wildlife Warden (FAC)
Panagal Maaligai, Saidapet,
Chennai - 15.

To
The Principal Chief Conservator of Forests
(Head of Forest Force),
Panagal Maaligai,
Saidapet, Chennai - 15.

Ref. No. WL5/2230/2022 dated 24-03-2022

Sir,

Sub: Forests – Forest (Conservation) Act, 1980 – Dindigul Circle – Proposal for diversion of 1.68 Ha of forest land for road upgradation of black top road from the foot hills of L. Maliyur to L. Malaiyur Village by DRDA, Nathan Union Office – Regarding.

Ref: 1) Government of India, Ministry of Environment Forests and Climate Change, Integrated Regional Office, Chennai letter F. No. 4-TNB075/2021-CHN/880 dated 22-09-2021.

2) Principal Chief Conservator of Forests (Head of Department) letter No. TS4/31700/2017 dated 25-11-2021.

I invite your kind attention to the references cited.

2) I wish inform that the mitigation measures for proposal of diversion of 1.68 Ha of forest land for the proposed road up-gradation of black top road from the foot hills of L. Maliyur to L. Malaiyur Village by DRDA, Nathan Union Office submitted by the Chief Conservator of Forests (i/c), Dindigul vide Ref. No. 7289/2017 D1 dated 12-11-2021 is hereby accepted. The details of mitigation measures are as follows:-

The project executing authority was requested to provide necessary following mitigation measures to an amount of Rs. 63,66,500/-for the following works:-

1. Clearing of Lantana will be made on either side of the road in 20 Ha. area and will be planted some fodder species.
2. In order to improve the habitat of the Schedule-I animals, estimate for raising fodder plantations to the Schedule-I existing in the area of 20 Ha. and 10 years maintenance are proposed.
3. Providing fencing on either side of road boundary with a minimum length of 500 m. in each side by covering the reserve forest land to be diverted for road in 2520 m.
4. Check Dams will be constructed on either side of the road for increasing the

water resources for the fauna species.

5. Necessary Speed Controlling measures (Barricades and Speed Breaker) to be implemented.
6. Necessary awareness board and sign boards to be erected.
7. Information boards, such as "No sound Horn please" etc., to be erected.

Yours faithfully,

S. Muzunguza
24/03/2022

for Principal Chief Conservator of Forests
and Chief Wildlife Warden (FAC)

[Signature]
24/3/22

TAMIL NADU FOREST DEPARTMENT

From

Thiru.S. Ramasubramanian,I.F.S.,
Chief Conservator of Forests(i/c)
Dindigul Circle,
Dindigul.

To

The Principal Chief Conservator of Forests,
(HoD)
Chennai-15

C.No.7289/2017 D1, Dated:12.11.2021

Sir,

Sub : Forest – Forest (Conservation) Act 1980 – Dindigul Circle /
Dindigul Division Proposal for division of 1.68 Ha. Forest land in
Perumalamalai RF for road up gradation of Block top road from
the foot hills of L.Malayur to L.Malayur village – Online proposal
submission by the user agency ie Assistant Engineer, Natham
Union Office, Dindigul District on behalf of DRDA, collectorate,
Dindigul District - Reg.

Ref : 1.Government of India, MoEF & CC, IRO, Chennai -6 F.No.4-
TNB075/2021-CHN/880 dt:22.09.2021
2.The Principal Chief Conservator of Forests, Chennai
Ref.No.TS4/31700/2017 dated: 27.09.2021
3.District Forest officer, Dindigul, Ref.No.4581/2017D1 dated:
28.10.2021 received dt: 9.11.2021

I submit that the District Forest Officer, Dindigul submitted his replies
vide reference 3rd cited for the queries raised by Government of India in the reference 1st
cited. The replies for the queries are furnished below:

(a) Correct KML file of the forest area proposed for diversion may be
furnished and the same shall be uploaded along with the online
application in the PARVESH Web Portal.

Correct KML file is enclosed and the same was uploaded in Part-I
proposal of PARIVESH Web Portal.

(b) The District Forest Officer, Dindigul Forest Division has reported that no rare / endangered / unique species of flora and fauna in the area and also no threat to major wildlife species. However, the District Forest Officer in Part-II of the online application reported that fauna like Bison, Fox, Wild boar, Hare Porcupine are present in and around the forest land proposed for diversion. Hence, may clarify whether any schedule-I wild animals are present in the forest area proposed for diversion, if so, may kindly prepare wildlife mitigation plan and same may be submitted to this office along with the comments of Chief Wildlife Warden regarding impact of the road proposal on wildlife and its habitat.

The proposed site is situated in L.Maliyur of Perumalai RF and presence of Indian Gaur, schedule-I species in the said proposed site. Hence, the following mitigation measures will be made for improvement of the habitat of wild animals in the proposed site.

Mitigation Measures :

The project executing authority was requested to provide necessary following mitigation measures such as:-

1. Clearing of Lantana will be made on either side of the road in 20 Ha. area and will be planted some fodder species.
2. In order to improve the habitat of the Schedule-I animals, estimate for raising fodder plantations to the Schedule-I existing in the area of 20 Ha. and 10 years maintenance are proposed.
3. Providing fencing on either side of road boundary with a minimum length of 500 m. in each side by covering the reserve forest land to be diverted for road in 2520 m.
4. Check Dams will be constructed on either side of the road for increasing the water resources for the fauna species.
5. Necessary Speed Controlling measures (Barricades and Speed Breaker) to be implemented.
6. Necessary awareness board and sign boards to be erected.
7. Information boards, such as "No sound Horn please" etc., to be erected.

The above Mitigation Plan was accepted by the User Agency and submitted as an undertaking (Copy enclosed).

This is favour of kind Perusal .

Enclosure : As stated above

Yours Faithfully

Sd-S.Ramasubramanian

Chief Conservator of Forests(i/c)

/True copy/ By order/

Senior Draughting Officer

TAMILNADU FOREST DEPARTMENT

From
Thiru.S.Prabhu,IFS,
District Forest Officer,
Dindigul Forest Division,
Dindigul-624 004.

To
The Chief Conservator of Forests,
Dindigul Circle,
Dindigul.

C.No. 4581/2017/ D1 dated: 28.10.2021

Sir,

Sub: Forests – Forest (Conservation) Act, 1980 – Dindigul Circle / Dindigul Forest Division – Proposal for diversion of 1.68 Ha. of forest land for road up gradation of black top road from the foot hills of L.Malaiyur to L.Malaiyur Village – Online proposal submission by the User Agency i.e.,DRDA – A.E., Natham Union Office Dindigul District on behalf of DRDA, Collectorate, Dindigul District, Pin Code 624004 – Regarding.

Ref: Principal Chief Conservator of Forests, Chennai
C.No.TS4/31700/2017 dated:27.09.2021.

I submit that the, report called for in the reference cited above is furnished in respect of Dindigul Forest Division.

(a) Correct KML file of the forest area proposed for diversion may be furnished and the same shall be uploaded along with the online application in the PARVESH Web Portal.

Correct KML file is enclosed and the same was uploaded in Part-I proposal of PARIVESH Web Portal.

(b) The District Forest Officer, Dindigul Forest Division has reported that no rare / endangered / unique species of flora and fauna in the area and also no threat to major wildlife species. However, the District Forest Officer in Part-II of the online application reported that fauna like Bison, Fox, Wild boar, Hare Porcupine are present in and around the forest land proposed for diversion. Hence, may clarify whether any schedule-I wild animals are present in the forest area proposed for diversion, if so, may kindly prepare wildlife mitigation plan and same may be submitted to this office along with the comments of Chief Wildlife Warden regarding impact of the road proposal on wildlife and its habitat.

The proposed site is situated in L.Maliyur of Perumalai RF and presence of Indian Gaur, schedule-I species in the said proposed site. Hence, the following mitigation measures will be made for improvement of the habitat of wild animals in the proposed site.

Mitigation Measures :

The project executing authority was requested to provide necessary following mitigation measures such as:-

1. Clearing of Lantana will be made on either side of the road in 20 Ha. area and will be planted some fodder species.
2. In order to improve the habitat of the Schedule-I animals, estimate for raising fodder plantations to the Schedule-I existing in the area of 20 Ha. and 10 years maintenance are proposed.
3. Providing fencing on either side of road boundary with a minimum length of 500 m. in each side by covering the reserve forest land to be diverted for road in 2520 m.
4. Check Dams will be constructed on either side of the road for increasing the water resources for the fauna species.
5. Necessary Speed Controlling measures (Barricades and Speed Breaker) to be implemented.
6. Necessary awareness board and sign boards to be erected.
7. Information boards, such as "No sound Horn please" etc., to be erected.

The above Mitigation Plan was accepted by the User Agency and submitted as an undertaking (Copy enclosed).

This is favour of kind information.

Encl: As stated above., .

Yours faithfully,
Sd/-S.Prabhu,
District Forest Officer,
Dindigul Division, Dindigul.

//True copy / By order//

For Draughting Officer

Proposal for the Forest Clearance for the Providing New B.T road at L.Malaiyur Forest road from foot of the Perumali Hill to the L.Malaiyur at Perumalai Reserved Forest at Lingavadi Village in Natham Taluk, Dindigul District.(L.Malaiyur Forest road up to Rajakadu KM 0/0 -2/800).

ANNEXURE - XXII

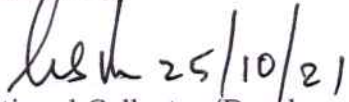
UNDERTAKING

Following provision for the Wild animals :-

Certified that the following amount to be spent for mitigation of measure will be made for improve the habitat of wild animals.

Sl.No	Name of the Work	Estimate Amount in Rs
1	Estimate for the raising Misc.Plantation over an area of 10.00H.A in Degraded forest selected on both sides of L.Malaiyur road in foot hills of Perumalai RF (No of seedlings to be planted 2000Nos @ 200 seedings / Ha.)	29,06,250
2	Model Estimate for the removal of Lanatana (10 Ha) (Heavy growth) in Dindigul Forest Division,Dindigul.	4,60,250
3	Model Estimate for the Construction of Cement Check Dam (1 No) at Malaiyur road at Alagarkovil Range	5,00,000
4	Model Estimate for providing chain line Fencing (1 KM) at L.Malaiyur road of Alagarkovil Range	25,00,000
	TOTAL AMOUNT	63,66,500


Checked by


Additional Collector (Development),

Dindigul DRDA Office,

Dindigul District.

Prepared by


Assistant Engineer,

Shanarpatti Union Office,

**UPGRADATION OF BLACK TOP ROAD FROM FOOT HILLS OF L. MALAIYUR
TO L. MALAIYUR VILLAGE UNDER SECTION (2) OF FOREST
CONSERVATION ACT 1980**

**ESTIMATE FOR RAISING MISC. PLANTATION OVER AN AREA OF 10.00 HA.
IN DEGRADED FOREST SELECTED ON BOTH SIDES OF L. MALAIYUR ROAD
IN FOOT HILLS OF PERUMALAI RF (No. of seedlings to be Planted 2000 Nos. @
200 seedlings / Ha.)**


Sl. No.	Quantity	Name of work	Pro-rata / ha.	Amount (in Rs.)
1)	10.00 Ha.	Removal of lantana and invasive alien species in heavy growth	Rs.46025/ Ha.	460250
2)	10.00 Ha.	Cost of raising Misc. plantation	Rs.68400/ Ha.	684000
3)	10.00 Ha.	Cost of first year maintenance	Rs.58100/ Ha.	581000
4)	10.00 Ha.	Cost of Second year maintenance	Rs.57100/ Ha.	571000
5)	10.00 Ha.	Cost of Third year maintenance	Rs.61000/ Ha.	610000
		Total Rs.		2906250

Rs.2906250/-

(Rupees Twenty Nine Lakhs Six Thousand Two Hundred and Fifty only)

Justification

The Plantation will be raised on either side of the L. Malaiyur road in the foot hills of Perumalai RF in Alagarkovil Range. The maintenance of plantation is requested in this estimate for period of 3 years. This estimate is prepared based on field condition.


**DISTRICT FOREST OFFICER
DINDIGUL DIVISION
DINDIGUL**

Model Estimate for removal of Lanatana (Heavy growth) in Dindigul Forest Division, Dindigul

S. No	Quantity	Description of works	Authority	Rate	Per	Amount (Rs.)
1	10 Ha. 100 MDS	Initial year removal Heavy growth of Lantana in the Forest areas of Dindigul Forest Division, Dindigul.	Dindigul Circle FSR 2021-22 Item No: 12.1.1	46025	1 Ha	460250
					Total	460250

(Rupees Nine Lakhs Twenty Thousand and Five Hundred only)

Specification:

It is submitted that the guidelines issued vide Ref.No. TBGP14/B/1879/2012, Dt.27.06.2014 states that if the density of the lantana shrubs is found to be less than 1000 plants per Ha, it is categorised as Heavy density. The Forest Schedule of Rate for the year 2021-22 for Dindigul circle prescribes 100 Man Days/Ha for removing lantana in Heavy Growth category.


District Forest Officer
Dindigul Division,
Dindigul.

**MODEL ESTIMATE FOR RAISING TALLER SEEDLINGS NURSERY FOR PLANTING
OVER AN AREA OF 10.00 HA. OF BOTH SIDES OF L. MALAIYUR ROAD
IN THE FOOT HILLS OF PERUMALAI RF IN ALAGARKOVIL RANGE OF DINDIGUL FOREST DIVISION, DINDIGUL**

Seedlings Raised in 10.00 ha.
Casualty 10%
Total seedlings
Wage Rate (2021-22) Rs.

2000
200
2200

Name of species to be planted
Miscellaneous seedlings

460.25

Sl. No.	Quantity	Description of work	FSR Item No.	FSL	Rate	Per	Amount (Rs.)
1	300 M ²	Preparation of nursery site by clearing and levelling the site for forming standard bed of size 10 m X 1m	4.1	2.42	1113.81	200 M ²	1671.00
2	4 Kgs.	Cost of seeds	L.R.		150.00	1 Kg	600.00
3		Cost of polythene bags					
	2000 Nos.	13 X 25 X 250 G Poly bags	Tender rate 14-15		647.85	1000 Nos.	1296.00
4	3 Beds	Forming of germination bed of size 10 m X 1 m X 30 cm by heaping the soil	PWD SSR Item No.62		41.85	1 each	126.00
5	3 Beds 15 days	Watering the germination beds twice daily with rosecan - 15 days.	4.5.1	0.82	377.41	10 beds 1 day	1698.00
6	3 Beds 15 days	Watering the germination beds once daily with rosecan - 15 days.	4.5.2	0.41	188.70	10 beds 1 day	849.00
7	2000 Nos. 2.148 M ³	Collection and supply of sand, silt and red soil according to the requirement for preparation of soil mixture - 4/5th of the total volume	MTP ME		750.00	1 M ³	1611.00
8	2000 Nos. 0.54 M ³	Collection and supply of farmyard manure for filling bags - 1/5th of the total volume	MTP ME		750.00	1 M ³	405.00
9	2000 Nos.	Preparation of soil mixture by breaking clods, sieving and mixing of fertile earth (including red soil, silt and sand etc., according to requirements) and farmyard manure at 3:1 ratio, heap it at the filling site and filling in polythene bags arranging bags in beds and pricking out the seedlings (excluding cost of earth and farmyard manure)	4.6.4	4.48	2061.92	1000 Nos.	4124.00
10		Watering the container plants with rose cans watering regime as per the TAP ME approved by PCCF No.J1/57395/2003 dated:12.12.03					
a)	2000 Nos. 15 days	Watering twice daily	4.10.4	0.23	105.86	1000 Nos.	3176.00
b)	2000 Nos. 30 days	Once daily	4.11.4	0.115	52.93	1000 Nos.	3176.00
c)	2000 Nos. 15 days	Alternate days	4.11.4	0.115	52.93	1000 Nos.	1588.00
11	2000 Nos. 1 Shifts	Shifting the container plants, weeding, grading and replacement of casualties in the bags- shifting to done once in 21 days, first shifting not before 45 days after pricking out -5 shifts.	4.15.4	0.51	234.73	1000 Nos.	469.00

Sl. No.	Quantity	Description of work	FSR Item No.	FSL	Rate	Per	Amount (Rs.)
PART-II BIGGER SIZE BAGS 30 X 45 CM X 600 G							
12		Cost of polythene bags					
	2000 Nos.	30 X 45 X 600 G Poly bags	Tender rate 14-15		5201.70	1000 Nos.	10403.00
13	18.46 M ³	Collection and supply of sand, silt and red soil according to the requirement for preparation of soil mixture - 4/5th of the total volume (excluding the volume of earth in 13 x 25 cm containers)	LR		750.00	1 M ³	13845.00
14	4.62 M ³	Cost and transport of Farmyard manure for filling bags - 1/5th of the total volume	LR		750.00	1 M ³	3465.00
15	2000 Nos.	Preparation of soil mixture by breaking clods, sieving and mixing of fertile earth (including red soil, silt and sand etc., according to requirements) and farmyard manure at 3:1 ratio, heapitn at the fillign site and filling in polythene bags arranging bags in beds and pricking out the seedlings (excluding cost of earth and farmyard manure)	4.6.7	28.57	13149.34	1000 Nos.	26299.00
16	20 Nos.	Labour cost for transplanting seedlings from 13 x 25 cm container bags into 30 x 45 cm containers - 10 Maz /1000				460.25 /day 1000 /No.	9205.00
21		Watering the container plants with rose cans watering regime as per the TAP ME approved by PCCF's ref.No.J1/57395/2003 dated:12.12.2003					
a)	2200 Nos. 60 days	Watering twice daily	4.10.7	0.56	257.74	1000 day	34022.00
b)	2200 Nos. 150 days	Once daily	4.11.7	0.28	128.87	1000 day	42527.00
22	2200 Nos. 4 Shifts	Shiting the container plance once in 21 days- first shift after 25 days from the date of transplanting 12 times.	4.15.7	2.69	1238.07	1000 Nos.	10895.00
23	LS	Contingecies such as application of pesticides panchakavya for erection of board etc. and creating awareness				LS	3550.00
Total							175000.00

Specification:

The above estimate is prepared based on Model Estimate of Principal Chief Conservator of Forests and Dindigul Circle FSR escalation 10% for further each years from 2021-22.


 District Forest Officer,
 Dindigul Division,
 Dindigul.

**MODEL ESTIMATE FOR RAISING TALLER SEEDLINGS PLANTATION
OVER AN AREA OF 10.00 HA. OF BOTH SIDES OF L. MALAIYUR ROAD
IN THE FOOT HILLS OF PERUMALAI RF IN ALAGARKOVL RANGE OF DINDIGUL FOREST DIVISION, DINDIGUL**

Size of Polythene bags 30 X 45 Cms - 600 Guage

Number of seedlings planted 2000
10% casualty seedlings 200

2200

Wage Rate for 2022-23 Rs. 506.28


Sl. No.	Quantity	Description of work	FSL	FSR Item No.	Rate	Per	Amount
1	2	3	4	5	6	7	8
1	2,000 Nos.	Digging 60 CM3 pits in all types of soils for avenue - non-rainy season	9.26	5.8.1	4688.15	100 Nos.	93763.00
2	1,000 Kgs.	Cost fo transport fo poultry manure each plant 500 grams		LR	2.50		2500.00
3	2,000 Nos.	Application of poultry manure @500g per plant by mixing in the pit before planting 1 mazdoor		LR	2.00	1 Nos.	2000.00
	1,000 Kgs.						
4	2,200 Nos.	Cost of bio-fertilizer including cost of application vermicum pit biofertilizer 100 grams		MTP ME	7.70	1 Nos.	16940.00
5	2,200 Nos.	Transporting saplings (transported to the radius of 40 Km) excluding loading and unloading	As per ME		7.00	1 Nos.	15400.00
6	2,200 Nos.	Loading and unloading the container seedlings (30 x 45 cm) in private lorry upto a lead of 2 Kms. Excluding hire charges for vehicles	3.29	5.11.7	1665.66	1000 Nos.	3664.00
7		Distribution of container seedlings in the site container plants					
a)	2,200 Nos.	Upto 200 Mts.	15	5.16.2	7594.20	1000 Nos.	16707.00
8	2,000 Nos.	Planting the container seedlings by refilling the pits of size 60 cm	1.71	5.22	865.74	100 Nos.	17315.00
9	200 Nos.	Replacement of casualties by re-opening the failed pits and planting the container plants and refilling the pits (1/2 pitting rate + full planting rate)	5.23		2647.84	100 Nos.	5296.00
10	2,000 Nos.	Scrap weeding for 1 metre dia and soil working 15cms depth around each plants and remaining the grassroots away from the site or upturning the soil in plains	1.23	5.24	622.72	100 Nos.	12454.00
11	2,000 Nos. 30 days	Watering the planted seedlings Twice in a week during summer / non-rainy season from December to March @ one mazdoor for 200 plants / watering day (30 watering days.	NHAI ME	LR	506.28	200 Nos. 1 day	151884.00

Sl. No.	Quantity	Description of work	FSL	FSR Item No.	Rate	Per	Amount
1	2	3	4	5	6	7	8
12	1,200,000 Ltrs.	Cost of water @ 20 liters per seedlings December to March 4 months) at the rate Twice in a week (20 x 2000 x 30)	NHAI ME		1200.00	12000 Ltrs.	120000.00
13	2,000 Nos. 100 days	Engaging protection mazdoor @ 1 mazdoor / 1000 plants from october to March @ 25/days / month	FSR		506.28	1 No.	50628.00
14	L.S.	Providing publicity / plantation board, planting equipment plant protection and documentation etc.,		L.S			449.00
Total							509000.00

1) Estimate for raising nursery	Rs.	175000.00
2) Estimate for raising plantation	Rs.	509000.00
Total Cost for raising plantation in 10.00 Ha.	Rs.	<u>684000.00</u>
for one Ha.	Rs.	<u>68400.00</u>

Specification:

The above estimate is prepared based on Model Estimate of Principal Chief Conservator of Forests and Dindigul Circle FSR escalation 10% for further each years from 2021-22.


 District Forest Officer,
 Dindigul Division
 Dindigul.

**MODEL ESTIMATE FOR FIRST YEAR MAINTENANCE OF PLANTATION
OVER AN AREA OF 10.00 HA. OF BOTH SIDES OF L. MALAIYUR ROAD
IN THE FOOT HILLS OF PERUMALAI RF IN ALAGARKOVIL RANGE OF DINDIGUL FOREST DIVISION, DINDIGUL**

Size of bags: 30CM X45 CM

No. of seedlings planted - 2000
No. of seedlings Survival - 1800
10% Replacement of casualties - 200
4000 2022-23 Wage Rate Rs. 506.28
2023-24 Wage Rate Rs. 556.91

Sl. No.	Quantity	Description of work	FSR Item No.	FSL	Rate	Per	Amount (Rs.)
Raising Nursery							
PART-I SMALLER SIZE BAGS 13 X 25 CM X 250 G (3-Months)							
1	30 M ²	Preparation of nursery site by clearing and levelling the site for forming standard bed of size 10 m X 1m	4.1	2.42	1225.20	200 M ²	184.00
2	1 kgs	Cost of seeds	L.R.		150.00	1 kg	150.00
3	200 Nos.	Cost of polythene bags 13 X 25 X 250 G Poly bags	Tender rate 2014-15		647.85	1000 Nos.	130.00
4	1 Nos.	Forming of germination bed of size 10 m X 1 m X 30 cm by heaping the soil	PWD SSR Item No.62		41.85	1 each	42.00
5	1 Beds 15 days	Watering the germination beds twice daily with rosecan - 15 days.	4.5.1	0.82	415.15	10 beds 1 day	623.00
6	1 Beds 15 days	Watering the germination beds once daily with rosecan - 15 days.	4.5.2	0.41	207.57	10 beds 1 day	311.00
7	0.21 M ³	Collection and supply of sand, silt and red soil according to the requirement for preparation of soil mixture - 4/5th of the total volume	As per MTP ME 2013-14		750.00	1 M ³	161.00
8	0.05 M ³	Collection and supply of farmyard manure for filling bags - 1/5th of the total volume	As per MTP ME 2013-14		750.00	1 M ³	41.00
9	200 Nos.	Preparation of soil mixture by breaking clods, sieving and mixing of fertile earth (including red soil, silt and sand etc., according to requirements) and farmyard manure at 3:1 ratio, heap it at the fillign site and filling in polythene bags arranging bags in beds and pricking out the seedlings (excluding cost of earth and farmyard manure)	4.6.4	4.48	2268.13	1000 Nos.	454.00
10		Watering the container plants with rose cans watering regime as per the NHAI ME approved by PCCF No.J1/57395/2003 dated:12.12.03					
a)	200 Nos. 15 days	Watering twice daily	4.10.4	0.23	116.44	1000 Nos. 1 day	349.00
b)	200 Nos. 30 days	Once daily	4.11.4	0.115	58.22	1000 Nos. 1 day	349.00
c)	200 Nos. 8 days	Alternate days	4.11.4	0.115	58.22	1000 Nos. 1 day	93.00
11	200 Nos. 2 Shifts	Shifting the container plants, weeding, grading and replacement of casualties in the bags-shifting to done once in 21 days, first shifting not before 45 days after pricking out -2 shifts.	4.15.4	0.51	258.20	1000 Nos. 1 shift	103.00
PART-II BIGGER SIZE BAGS 30 X 45 CM X 400 G (4-Months)							
12	200 Nos.	Cost of polythene bags 30 X 45 X 400 G Poly bags	Tender rate 2014-15		5201.70	1000 Nos.	1040.00
13	1.8460 M ³	Collection and supply of sand, silt and red soil according to the requirement for preparation of soil mixture - 4/5th of the total volume (excluding the volume of earth in 13 x 25 cm containers)	As per MTP ME 2013-14		750.00	1 M ³	1385.00
14	0.4620 M ³	Cost and transport of Farmyard manure for filling bags - 1/5th of the total volume	As per MTP ME 2013-14		750.00	1 M ³	347.00

Sl. No.	Quantity	Description of work	FSR Item No.	FSL	Rate	Per	Amount (Rs.)
15	200 Nos.	Preparation of soil mixture by breaking clods, sieving and mixing of fertile earth (including red soil, silt and sand etc., according to requirements) and farmyard manure at 3:1 ratio, heapitn at the fillign site and filling in polythene bags arranging bags in beds and pricking out the seedlings (excluding cost of earth and farmyard manure)	4.6.7	28.57	15910.92	1000 Nos.	3182.00
16(i)	20 kgs	Cost of Vermicasting @100gm per seedlings	As per Research Wing rate		10.00	1 kg	200.00
16(ii)	8.000 kgs	Cost of VAM @40gm per seedlings			18.00	1 kg	144.00
16(iii)	2.000 kgs	Cost of Azospirilum @10gm per seedlings			27.00	1 kg	54.00
16(iv)	2.000 kgs	Cost of Phosphobacteria @10gm per seedlings			27.00	1 kg	54.00
17	200 Nos. 2 Maz	Labour cost for transplanting seedlings from 13X25cm containers bags in to 30X45 containers - 10 Maz. /1000 Nos	As per MTP ME 2013-14		556.91	10 Maz 1000 Nos.	1114.00
18	200 Nos.	Cost of vertical stick of size 2.5 Mt.	As per MTP ME 2013-14		6.00	1 each	1200.00
19	100 Nos.	Cost of Horizontal stick			1.00	1 each	100.00
20	200 Nos.	Tying plants to the vertical stick once in a month 2 times			0.20	1 each	80.00
21		Watering the container plants with rose cans watering regime as per the NHAI ME approved by PCCF's ref.No.J1/57395/2003 dated:12.12.2003					
a)	200 Nos. 60 days	Watering twice daily	4.10.7	0.56	311.87	1000 Nos. 1 day	3742.00
b)	200 Nos. 60 days	Once daily	4.11.7	0.28	155.93	1000 Nos. 1 day	1871.00
22	200 Nos. 2 times	Shifting the container plance once in 21 days- first shift after 45 days from the date of transplanting 2 times.	4.15.7	2.69	1498.09	1000 Nos. 1 shift	599.00
2	200 Nos. 90 days	Engaging Nursery protection mazdoor 1 No / 2000 Nos of 30x45cm bags - 210 days (Jan to Mar)	As per MTP ME 2013-14	0.01		506.28 /day 20000 /No.	456.00
24	200 Nos. 120 days	Engaging Nursery protection mazdoor 1 No / 2000 Nos of 30x45cm bags - 210 days (Apr to Jul)		0.01		556.91 /day 20000 /No.	668.00
Nursery Maintenance							
25	200 Nos 150 days	Watering the container seedlings with rosecane watering regime as per the NHAI ME approved in PCCF's Ref.No.J1/57395/2003 Dt.12.12.2003) - Once daily - 150 days (Aug to Dec)	4.11.7	0.28	155.9348	1000 Nos 1 day	4678
26	200 Nos 6 Shifts	Shifting the container plants once in 21 days. First shift after 45 days from the date of transplanting - 6times	4.15.7	2.69	1498.09	1000 Nos 1 shift	1798
27	200 Nos 150 days	Nursery protection mazdoors 1No/2000Nos of 30x45bags (Aug to Dec)	Wage rate		556.91	20000 No 1 Maz	835
Planting							
28	100 Kgs	Cost and Transport of poultry manure each plants 500gm	LQ		1500.00	1000 Kgs.	150.00
29	200 Nos	Application of poultry manure @500 gm per plant by mixing in the pit before planting-1 mazdoor for 200nos	As per MTP ME 2013-14		556.91	200 Nos	557.00
30	200 Nos	Cost of Bio fertilizer including cost of application- vemicompot-1 Kg.,Bio fertilizers-100 gm.,VAM-100gm.	NHAI ME		7.70	1 Nos	1540.00

Sl. No.	Quantity	Description of work	FSR Item No.	FSL	Rate	Per	Amount (Rs.)
31	200 nos	Transporting saplings(transported to the radius of 40kms)excluding loading and unloading	NHAI ME		7.00	1 nos	1400.00
32	200 Nos	Loading and unloading the polythene container seedlings in private / department vehicles (excluding hire charges)	5.11.7	3.29	1832.23	1000 No	366.00
33	200 Nos	Distribution of saplings from where seedlings are stocked to the planting spot upto 100mts	5.15.1	10	5569.10	1000 No	1114.00
34	200 Nos	Replacement of casualties by re-opening the failed pits and planting the container plants and refilling the pits(1/2 pitting rate+full planting rate)	5.23	5.57	3101.99	100 Nos	6204.00
35	2000 Nos	Scrap 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	685.00	100 Nos	13700.00
36	2,000 Nos. 48 days	Watering the planted seedlings 6 days in a month during summer / non-rainy season from April to March @ one mazdoor for 200 plants / watering day (6 Months x 6 days = 36 days) (6 months x 2 days (rainy season)= 12 days) totally=48 days)	NHAI ME	LR	556.91	200 Nos. 1 day	267317.00
37	1,920,000 Ltrs.	Cost of water @ 20 liters per seedlings (April 16 to March 2017) @ the rate (6 Months x 6 days = 36 days) (6 months x 2 days (rainy season)= 12 days) totally=48 days x2000x 20)	NHAI ME		1200.00	12000 Ltrs.	192000.00
38	1 Maz 125 days	Engaging Protection mazdoor @ 1 mazdoor from April to March @25/days/month	As per MTP ME 2013-14		556.91	1 Maz 1 day	69614.00
39	LS	Contignecies for applications of pesticides, panchagavya etc., and unforeseen items if any (2%) of the estimate amount				LS	501
Total							581000.00

1) Estimate for first year maintenance of plantation in 10.00 Ha.


Rs. 581000.00

2) Estimate for first year maintenance of plantation in 1 Ha.

Rs. 58100.00

Specification :

The above estimate is prepared based on Model Estimate of Principal Chief Conservator of Forests and Dindigul Circle FSR escalation 10% for further each years from 2021-22.


District Forest Officer,
Dindigul Division,
Dindigul.

**MODEL ESTIMATE FOR SECOND YEAR MAINTENANCE OF PLANTATION
OVER AN AREA OF 10.00 HA. OF BOTH SIDES OF L. MALAIYUR ROAD
IN THE FOOT HILLS OF PERUMALAI RF IN ALAGARKOVIL RANGE OF DINDIGUL FOREST DIVISION, DINDIGUL**

Size of Polythene bags 30 X 45 Cms - 600 Guage

Number of seedlings

2000

2000

Wage Rate (2024-25) Rs. 612.60

Sl. No.	Quantity	Description of work	FSL	FSR Item No.	Rate	Per	Amount
1	2	3	4	4	5	6	7
6	1,000 Nos.	Scrap weeding for 1 metre dia and soil working 15cms depth around each plants and remaining the grassroots away from the site or upturning the soil in plains	1.23	5.24	753.50	100 Nos.	7535.00
9	2,000 Nos. 48 days	Watering the planted seedlings 6 days in a month during summer / non-rainy season from April to March @ one mazdoor for 200 plants / watering day (6 Months x 6 days = 36 days) (6 months x 2 days (rainy season)= 12 days) totally=48 days)	NHAI ME	LR	612.60	200 Nos. 1 day	294048.00
10	1,920,000 Ltrs.	Cost of water @ 20 liters per seedlings (April -16 to March 2017) @ the rate (6 Months x 6 days = 36 days) (6 months x 2 days (rainy season)= 12 days) totally=48 days x2000x 20)	NHAI ME		1200.00	12000 Ltrs.	192000.00
11	125 days	Engaging protection mazdoor @ 25 days / month for the planting site (from April to March)	FSR		612.60	1 No.	76575.00
12	L.S.	Providing publicity / plantation board, planting equipment plant protection and documentation etc.,		L.S			842.00
Total							571000.000

1) Estimate for second year maintenance of plantation in 10.00 Ha.


Rs. 571000.00

2) Estimate for second year maintenance of plantation in 1 Ha.

Rs. 57100.00

Specification:

The above estimate is prepared based on Model Estimate of Principal Chief Conservator of Forests and Dindigul Circle FSR escalation 10% for further each years from 2021-22.


District Forest Officer,
Dindigul Division,
Dindigul.

**MODEL ESTIMATE FOR THIRD YEAR MAINTENANCE OF PLANTATION
OVER AN AREA OF 10.00 HA. OF BOTH SIDES OF L. MALAIYUR ROAD
IN THE FOOT HILLS OF PERUMALAI RF IN ALAGARKOVIL RANGE OF DINDIGUL FOREST DIVISION, DINDIGUL**

Size of Polythene bags 30 X 45 Cms - 600 Guage

Number of seedlings

2000

2000

Wage Rate (2025-26) Rs. 673.86

Sl. No.	Quantity	Description of work	FSL	FSR Item No.	Rate	Per	Amount
1	2	3	4	4	5	6	7
6	1,000 Nos.	Scrap weeding for 1 metre dia and soil working 15cms depth around each plants and remaining the grassroots away from the site or upturning the soil in plains	1.23	5.24	828.85	100 Nos.	8289.00
9	2,000 Nos. 48 days	Watering the planted seedlings 6 days in a month during summer / non-rainy season from April to March @ one mazdoor for 200 plants / watering day (6 Months x 6 days = 36 days) (6 months x 2 days (rainy season)= 12 days) totally=48 days)	NHAI ME	LR	673.86	200 Nos. 1 day	323453.00
10	1,920,000 Ltrs.	Cost of water @ 20 liters per seedlings (April to March) @ the rate (6 Months x 6 days = 36 days) (6 months x 2 days (rainy season)= 12 days) totally=48 days x2000x 20)	NHAI ME		1200.00	12000 Ltrs.	192000.00
11	125 days	Engaging protection mazdoor @ 25 days / month for the planting site (from April to March)	FSR		673.86	1 No.	84233.00
12	L.S.	Providing publicity / plantation board, planting equipment plant protection and documentation etc.,		L.S			2025.00
		Total					610000.000

1) Estimate for Third year maintenance of plantation in 10.00 Ha.


Rs. **610000.00**

2) Estimate for Third year maintenance of plantation in 1 Ha.

Rs. **61000.00**

Specification:

The above estimate is prepared based on Model Estimate of Principal Chief Conservator of Forests and Dindigul Circle FSR escalation 10% for further each years from 2021-22.


District Forest Officer,
Dindigul Division,
Dindigul.

**MODEL ESTIMATE FOR CONSTRUCTION OF CEMENT CHECK DAM AT L.MALAIYUR RAOD OF
ALAGARKOVIL RANGE**

ABSTRACT ESTIMATE


Sl. No.	Quantity		Details of works	Rate	Per	Amount
1	23.55	M ³	Earth work excavation for foundation in hard gravelly soil with initial lead of 10Mts and lift of 2Mts for foundation	194.04	M ³	4570
2	61.03	M ³	Plain cement concrete 1:3:6 using 40mm HG metal including cost and conveyance of all materials and labour charges	5032.31	M ³	307122
3	81.90	M ²	Supplying and erecting centering for sides and soffits including necessary supports and strutting upto 3.29 M height for plane surfaces	697.52	M ²	57127
4	5.52	M ³	Rough stone dry packing including cost and conveyance of all materials and labour charges	2006.32	M ³	11075
5	17.50	SQM	Plastering in CM 1:5 20 mm thick including cost and conveyance of all materials and labour charges - 10 M ³	476.88	SQM	8345
6	130.00		Earth work excavation for foundation in hard gravelly soil with initial lead of 10Mts and lift of 2Mts for new bund formation as per SS20A and Sl.61	112.77	M ³	14660
7	130.00		Extra for every additional 10m lead or part there of over the initial lead	12.85	M ³	1671
8	130.00		Add relevant T.N.D.S.S NO 20A rates for new tank bunds and closing breaches for extra for watering and consolidation	21.80	M ³	2834
				Sub Total -I		407404
			PROVISION FOR EX.Charge @10%			40740
				Sub Total -II		448144
9	LS		Provision for GST @ 12%			53777
10	LS		Provision for LWF @ 1%			5000
			Total			506922
			Restricted to Rs.			500000


 District Forest officer
 Dindigul Forest division
 Dindigul.

DETAILED ESTIMATE

Sl. No.	Description of work	Nos	Length	Width	Depth	Quantity	
1	Earth work excavation for foundation in hard gravelly soil with initial lead of 10Mts and lift of 2Mts for foundation						
	For body wall	1	1	10.00	1.50	0.90	13.50
	Side Support wall	1	2	3.50	1.00	0.90	6.30
	Side wall D/S (Toe wall)	1	2	3.00	0.50	0.50	1.50
	Cut off wall (Toe wall)	1	1	9.00	0.50	0.50	2.25
	Total						23.55
2	Plain cement concrete 1:3:6 using 40 mm HBGS metal						
	Below Ground Level						
	For body wall	1	1	10.00	1.50	0.90	13.50
	Side wall D/S	1	2	3.50	1.00	0.90	6.30
	Side wall D/S (Toe wall)	1	2	3.00	0.50	0.50	1.50
	Cut off wall (Toe wall)	1	1	9.00	0.50	0.50	2.25
	Total					23.55	
3	Centering						
	Above Ground Level						
	For body wall	1	2	10.00		1.70	34.00
	Side Support wall	2	2	3.50		2.50	35.00
	Key wall	2	2	2.50		0.50	5.00
	Key rish	2	2	0.50		0.50	1.00
	Apron inside	1	1	14.00		0.23	3.22
	Apron out side	1	1	16.00		0.23	3.68
Total						81.90	
4	Plain cement concrete 1:3:6 using 40 mm HBGS metal						
	Below Ground Level					23.55	
	Above Ground Level						
	For body wall	1	1	10.00	$\frac{1.50 + 0.50}{2}$	1.70	17.00
	Side Support wall	1	2	3.50	$\frac{1.50 + 0.50}{2}$	2.50	17.50
	Key wall	1	2	2.50	0.50	0.50	1.25
	Side wall D/S (Toe wall)	1	2	3.00	0.50	0.23	0.69
	Cut off wall (Toe wall)	1	1	9.00	0.50	0.23	2.07
Total						62.06	


Sl. No.	Description of work	Nos	Length	Width	Depth	Quantity	
5	Rough stone dry packing including cost and conveyance of all materials and labour charges - 10 M³						
	Apron	1	1	8.00	3.00	0.23	11.04
							11.04
6	Plastering in CM 1:5 20 mm thick including cost and conveyance of all materials and labour charges - 10 M³						
	For body wall top	1	1	10	0.5		5.00
	Total						5.00
7	Earth work excavation for foundation in hard gravelly soil with initial lead of 10Mts and lift of 2Mts for new bund formation as per SS20A and SI.61						
	Bund portion	1	2	6.50	5.00 + 1.20	2.50 + 0.50	60.45
	Total				2.00	2.00	60.45
8	Extra for every additional 10m lead or part there of over the initial lead						
	Ist lead						35.00
	II nd Lead						25.45
	Total						60.45
9	Add relevant T.N.D.S.S NO 20A rates for new tank bunds and closing breaches for extra for watering and consolidation						
	By hand roller						
	Total						60.45


 District Forest officer
 Dindigul Forest division
 Dindigul.

Model Estimate for providing Chain line Fencing (1 Km.) at L.Malaiyur road of Alagarkovil Range.

Abstract Estimate							
S. No	Qty		Description	PWD DATA No	Rate Per unit	Unit	Amount
1	54.12	M3	Earth work excavation and depositing onbank within initial lead and lift 10mts & 2mts respectively in hard stiff clay, stiff balck cotton, hard red earth, shalves, murams, gravel, stoney earth and earth mixed with small size boulders and gravelly soil-SS 20B	PWD SSR P.No 27 S.No 61	84.07	M3	4550
2	399.60	m2	Supplying and erecting centering for sides and soffits including necessary supports and strutting upto 3.29 M height for plane surfaces as detailed below in all floors with all cross bracings using Mild Steel sheets of size 90 x 60 cm and 10 BG stiffened with welded Mild Steel angle of size 25mm x 25mm x 3 mm for boarding laid over silver oak joists of size 10cm x 6.50 cm spaced at abote 90 cm centre to centre and supported by casurina props of 10cm to 13 cm dia spaced at not more than 75 cm centre to centre etc. complete complying with the standard specifcaiton. (Payment for centering shall be given after the concrete is laid)	Data 1	909.98	m2	363628
3	44.15	M3	Cement Concrete 1:3:6 (One Cement, Three sand and Six broken stone jelly) using 20mm size hard broken stone jelly for dummy columns, excluding cost of centering shuttering reinforcement grills and fabrication charges but including curing etc. complete. (Reinforced Cement Concrete 1:2:4 for slab to be extended upto top of splashing with pressed tiles and future extension rods to be embedded in CC 1:3:6 (One Cement, Three Sand and Six hard broken stone jelly). Dummy columns should be at least 1 metre height)	Data 2	6657.95	M3	293915
4	8417.80	kg	Supplying, Delivery and Fabrication of MS Pipes 65mm and specials with following size including all the cost and conveyance of materials to site and all labour cahrges etc. complete as per standard specification.	Data 3	98.73	kg	831068
5	1800.00	M2	Supplying, and fixing of chain link fencing of size 2" x 2" using 10 gauge galvanised iron wire including all the cost and conveyance of materials to site and all labour cahrges etc. complete as per standard specification.	Data 4	267.99	M2	482388


S. No	Qty		Description	PWD DATA No		Rate Per unit	Unit	Amount
6	246.00	kg	Supplying, and tiring of galvanised iron wire(10 gauge) for fencing support including all the cost and conveyance of materials to site and all labour cahrges etc. complete as per standard specification.	PWD SSR S.No 122 P.No 49		69.35	kg	17059
7	204.10	m2	Painting one coat red acid and two coats with ready mixed approved paint over New steel surface including cost and conveyance all materials etc. complete, as per standard specification.	Data	5	156.04	m2	31847
				Sub Total				2024454
8			Labour welfare Fund 1%					25000
9			G.S.T for 12% tax					242935
10			Provision for Ex.Charge @ 10.5%					212568
			Total					2504957
							Restricted to Rs.	2500000


 District Forest officer
 Dindigul Forest division
 Dindigul.

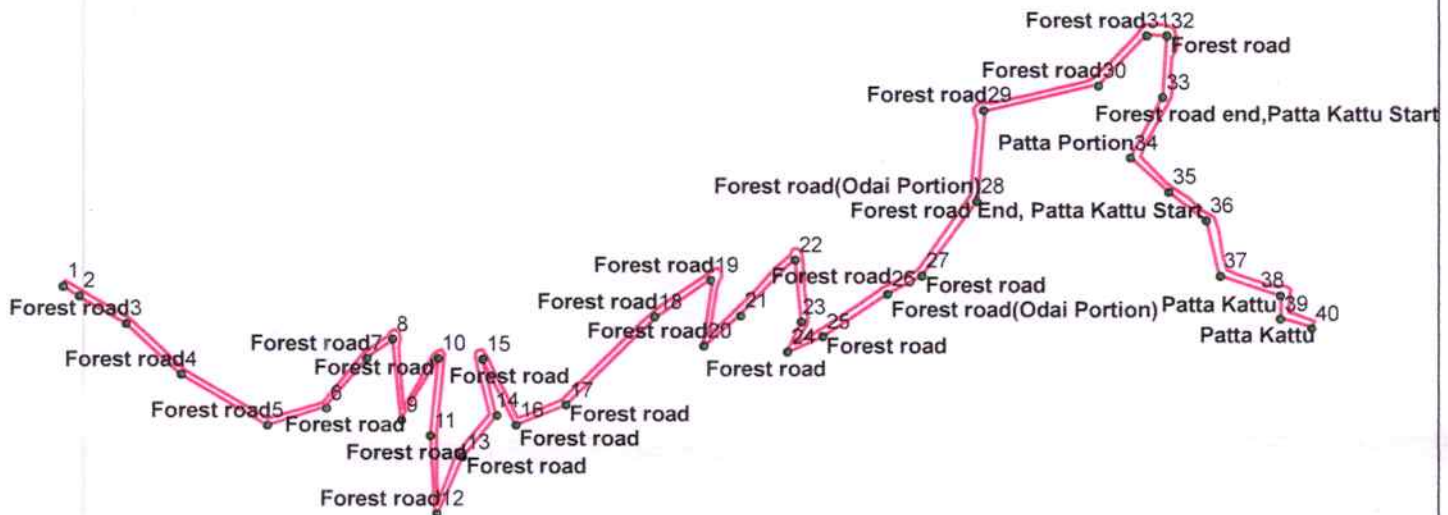
Detailed Estimate

S.No	Description	Nos		L	B	D	Quantity	Unit
1	Earth work excavation and depositing onbank within initial lead and lift 10mts & 2mts respectively in hard stiff clay, stiff balck cotton, hard red earth, shalves, murams, gravel, stoney earth and earth mixed with small size boulders and gravelly soil-SS 20B							
	Fencing Post	1	420	0.50	0.50	0.50	52.50	
	For Cross Support	1	40	0.30	0.30	0.45	1.62	
							54.12	M ³
2	Supplying and erecting centering for sides and soffits including necessary supports and strutting upto 3.29 M height for plane surfaces as detailed below in all floors with all cross bracings using Mild Steel sheets of size 90 x 60 cm and 10 BG stiffened with welded Mild Steel angle of size 25mm x 25mm x 3 mm for boarding laid over silver oak joists of size 10cm x 6.50 cm spaced at abote 90 cm centre to centre and supported by casurina props of 10cm to 13 cm dia spaced at not more than 75 cm centre to centre etc. complete complying with the standard specificaliton. (Payment for centering shall be given after the concrete is laid)							
	Fencing Post	1	420	1.80		0.50	378.00	
	For Cross Support	1	40	1.20		0.45	21.60	
							399.60	m2
3	Cement Concrete 1:3:6 (One Cement, Three sand and Six broken stone jelly) using 20mm size hard broken stone jelly for dummy columns, excluding cost of centering shuttering reinforcement grills and fabrication charges but including curing etc. complete. (Reinforced Cement Concrete 1:2:4 for slab to be extended upto top of splashing with pressed tiles and future extension rods to be embedded in CC 1:3:6 (One Cement, Three Sand and Six hard broken stone jelly). Dummy columns should be at least 1 metre height)							
	a) foundation and Basement							
	Fencing Post	1	420	0.45	0.45	0.50	42.53	
	For Cross Support	1	40	0.30	0.30	0.45	1.62	
							44.15	M ³


S.No	Description	Nos		L	B	D	Quantity	Unit
4	Supplying, Delivery and Fabrication of MS Pipes 65mm and specials with following size including all the cost and conveyance of materials to site and all labour cahrges etc. complete as per standard specification.					kg/m		
	65 mm MS pipe post	1	420	2.20		7.9	7299.60	
	65 mm Ms pipe Cross Support	1	40	1.90		7.9	600.40	
	Clamp 25x25x5mm L-angle.hooks	1	460	0.60		1.8	496.80	
	Top Closing plate	1	420			0.05	21.00	
							8417.80	kg
5	Supplying, and fixing of chain link fencing of size 2" x 2" using 10 gauge galvanized iron wire including all the cost and conveyance of materials to site and all labour cahrges etc. complete as per standard specification.							
	Park Around	1	1	1000.00		1.80	1800.00	
	Total						1800.00	M ²
6	Supplying, and tiring of galvanized iron wire(10 gauge) for fencing support including all the cost and conveyance of materials to site and all labour cahrges etc. complete as per standard specification.					kg/m		
	Park Around	1	3	1000.00		0.08	246.00	kg
7	Painting one coat red acid and two coats with ready mixed approved paint over New steel surface including cost and conveyance all materials etc. complete, as per standard specification.							
	Post (cross support &post)	3.14	1	1000.00		0.065	204.10	m2


 District Forest officer
 Dindigul Forest division
 Dindigul.

**FORMATION OF NEW ROAD IN PERUMALAI RF
UNDER SECTION (2) OF FOREST CONSERVATION ACT 1980**



Legend

 Formation of New Malaiyur Road

bsk 1/10/21

**Additional Collector (Dev)
District Rural Development Agency
Dindigul.**

S. J. Jotho
1.10.2021

**ASSISTANT ENGINEER (RD)
Panchayat Union
Shanarpatti.**

**FORMATION OF NEW ROAD IN PERUMALAI RF
UNDER SECTION (2) OF FOREST CONSERVATION ACT 1980**



lsh 1/10/21
Additional Collector (Dev)
District Rural Development Agency
Dindigul.

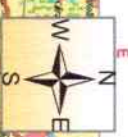
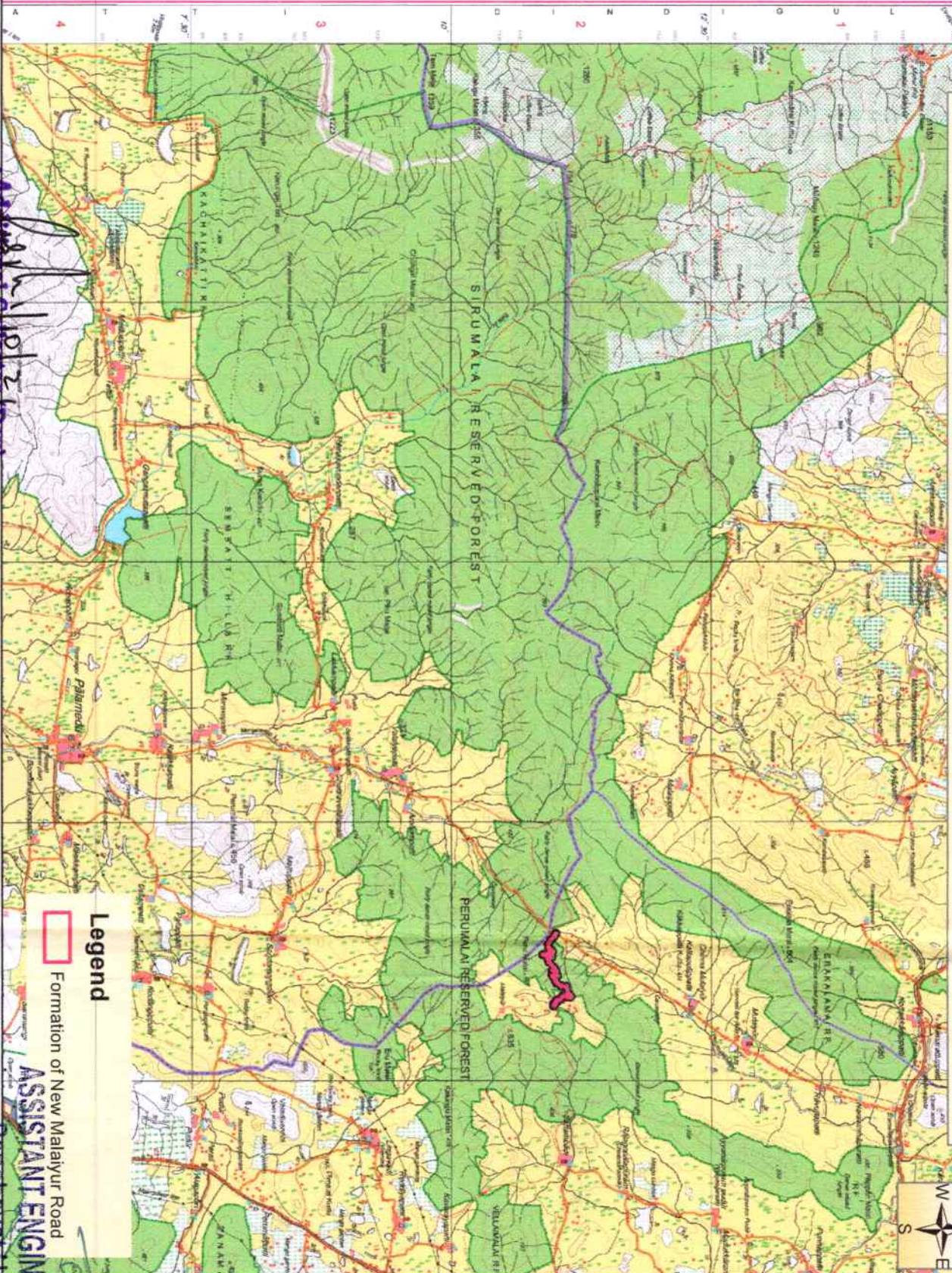
[Signature]
1.10.2021
ASSISTANT ENGINEER (RD)
Panchayat Union
Shanarpatti. ✓

5	C44G3 (S. 100)	C44G7 (S. 100)
6	C44G4 (S. 100)	C44G8 (S. 100)
3	C44M1 (S. 100)	C44M5 (S. 100)

CONVENTIONAL SYMBOLS

Water	Blue wavy lines
Canals	Blue lines with cross-ticks
Railways	Black lines with cross-ticks
Roads	Red lines
Boundaries	Black lines with dots
Buildings	Black outlines
Vegetation	Green and yellow patterns
Contours	Brown lines
Spot heights	Black numbers
Grid	Black lines

FORMATION OF NEW ROAD IN PERUMALAI RF UNDER SECTION (2) OF FOREST CONSERVATION ACT 1980



Legend

Formation of New Malaiyur Road

ASSISTANT ENGINEER (RD)

Additional Collector (Dev)

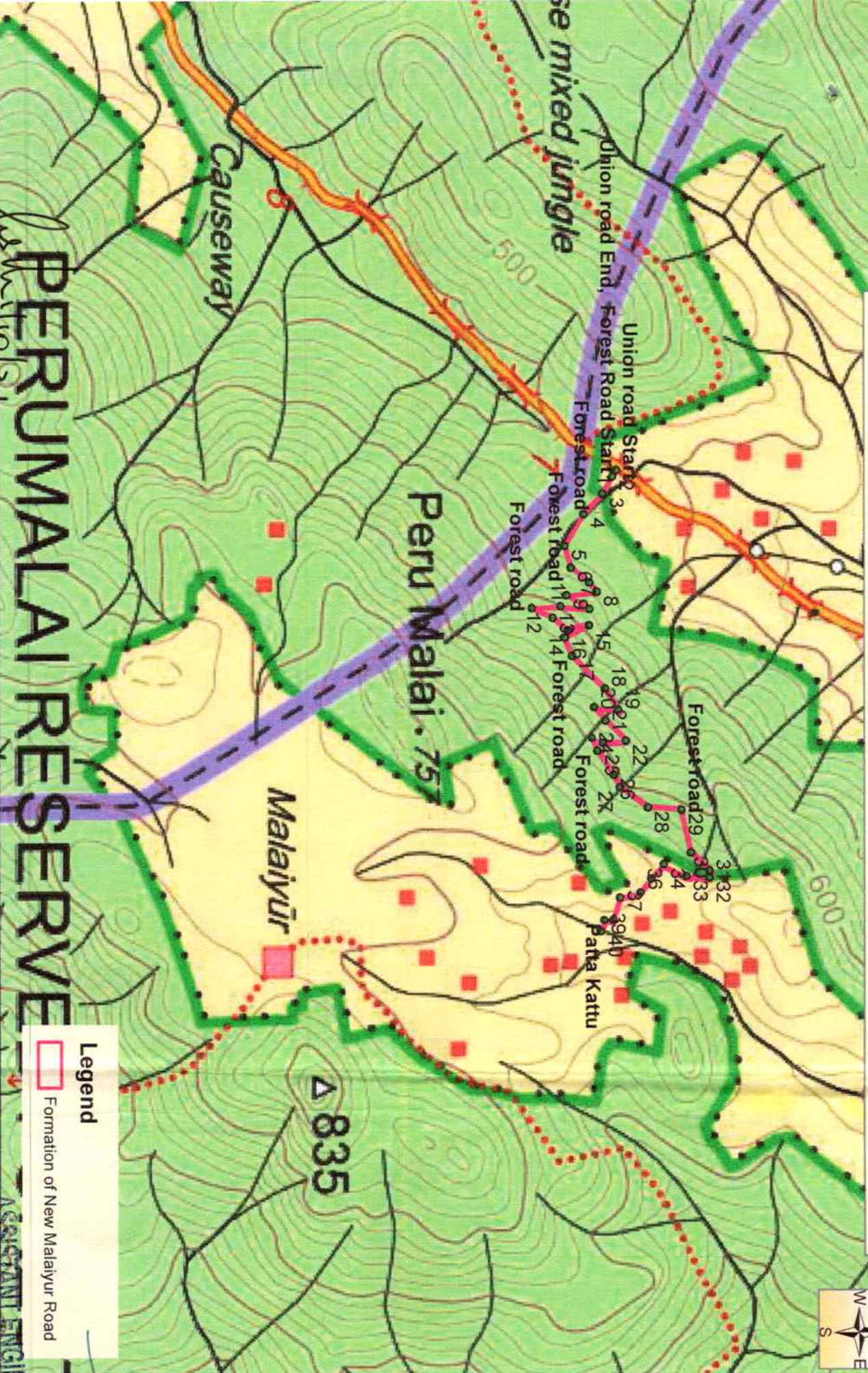
Resident District Dava...


Panchayat Union

Shanmasti

[Signature]
 11.02.2011

FORMATION OF NEW ROAD IN PERUMALAI RESERVE UNDER SECTION (2) OF FOREST CONSERVATION ACT 1980



Legend
 Formation of New Malaiyur Road

PERUMALAI RESERVE

Additional Collector (Dev)
 District Rural Development Agency
 Dindigul.

ASSISTANT ENGINEER (RD)
 Panchayat Union
 Shanarpatthi.
 1.10.22

L.Maliyur Forest road GPS Reading

Lingavadi Panchayat, Natham Block

Sl.NO	Chaniange in "m"	GPS Reading		Elevation Level in "m"	Remark
		North	East		
1	0	N 10.18335	E 78.14293	416	Union road Start
2	19	N 10.18326	E 78.14308	414	Union road End, Forest Road Start
3	78	N 10.18300	E 78.14352	419	Forest road
4	162	N 10.18252	E 78.14404	430	Forest road
5	265	N 10.18204	E 78.14485	435	Forest road
6	330	N 10.18220	E 78.14540	445	Forest road
7	401	N 10.18267	E 78.14578	453	Forest road
8	433	N 10.18285	E 78.14602	460	Forest road
9	528	N 10.18209	E 78.14611	463	Forest road
10	615	N 10.18267	E 78.14645	471	Forest road
11	709	N 10.18194	E 78.14638	480	Forest road
12	804	N 10.181210°	78.146437°	496	Forest road
13	890	N 10.18174	E 78.14668	494	Forest road
14	952	N 10.18213	E 78.14700	506	Forest road
15	1020	N 10.182660	E 78.146870	515	Forest road
16	1093	N 10.18204	E 78.14718	515	Forest road
17	1151	N 10.18223	E 78.14765	517	Forest road
18	1283	N 10.18306	E 78.14848	531	Forest road
19	1357	N 10.18340	E 78.14901	545	Forest road
20	1447	N 10.182784°	E 78.148946°	541	Forest road
21	1516	N 10.18307	E 78.14929	542	Forest road
22	1600	N 10.18359	E 78.14980	583	Forest road
23	1702	N 10.18301	E 78.14986	594	Forest road

24	1751	N 10.182726°	E 78.149727°	595	Forest road
25	1812	N 10.18287	E 78.15006	589	Forest road
26	1892	N 10.18327	E 78.15067	604	Forest road
27	1934	N 10.18344	E 78.15099	614	Forest road(Odai Portion)
28	2041	N 10.18414	E 78.15151	623	Forest road(Odai Portion)
29	2142	N 10.18500	E 78.15157	629	Forest road
30	2265	N 10.18523	E 78.15265	645	Forest road
31	2339	N 10.18570	E 78.15310	655	Forest road
32	2363	N 10.18571	E 78.15329	660	Forest road
33	2432	N 10.18512	E 78.15325	663	Forest road end,Patta Kattu Start
34	2505	N 10.18455	E 78.15295	666	Patta Portion
35	2563	N 10.18423	E 78.15331	670	Patta Kattu End, Forest road Start
36	2615	N 10.18396	E 78.15366	660	Forest road
37	2679	N 10.18344	E 78.15379	650	Forest road End, Patta Kattu Start
38	2736	N 10.18326	E 78.15436	659	Patta Kattu
39	2763	N 10.18304	E 78.15436	659	Patta Kattu
40	2800	N 10.18295	E 78.15465	656	Patta Kattu-Raja Kadu Habitations


 Additional Collector (Dev)
 District Rural Development Agency
 Dindigul.


 1.10.2021
 ASSISTANT ENGINEER (RD)
 Panchayat Union
 Shanarpatti.