



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport & Highways, Government of India)
क्षेत्रीय कार्यालय, मदुरै / Regional Office, Madurai

दूसरा व तीसरी तल, विजय कृष्ण प्लाज़ा, संख्या-1, लेक एरिया, मेलूर मेन रोड, माट्टुतावनी, मदुरै-625 107
2nd & 3rd Floor, Vijay Krishna Plaza, No.1, Lake Area, Melur Main Road, Mattuthavani, Madurai-625 107
दूरभाष/ Tele : +91-452-258 8999 वेब / Website : www.nhai.gov.in ई-मेल/ E-mail : romadurai@nhai.org



NHAI/15018/3.6/01/2024/RO Madurai/ 620

24th May, 2024

INVITATION OF PUBLIC COMMENTS

विषय: भाराराप्रा - क्षे.का. मदुरै- पकाई, त्रिची - Padalur- Trichy section of NH 45 (New NH 38) - GCC/Trichy - Design, Detailed Engineering, Manufacture and supply of 16.2 kms of 110 Kv 1X630 sq.m Aluminium XLPE UG Cable and accessories, laying of cable, erection of joints and termination, testing and commissioning from Loc.16 (near Army to the Mannarpuram 110 KV SS end under total turnkey basis - Check list and route layout drawings for laying 110KV 1C x 630 sq.m XLPE Al. UG Cable along the road from km. 325/908 to km.326/158 (RHS) - Invitation of Public Comments - Reg.

प्रसंग: 1.PD, Trichy Lr. No-NHAI/PD/TRY/NH 38/P-T/TNEB/2024/612 dated 03.04.2024.
2.PD, Trichy Lr.No-NHAI/PD/TRY/NH 38/P-T/TNEB/2024/255 dated 14.02.2024.

The proposal received from PD, Trichy vide Lr. No- NHAI/PD/TRY/NH 38/P-T/TNEB/2024/612 dated 03.04.2024 there by requesting permission for laying of 110 KV 1X630 sq.m Aluminium XLPE UG Cable along the road from km. 325/908 to km.326/158 (RHS) on Padalur- Trichy section of NH 45 (New NH 38) in the state of Tamil Nadu as proposed by M/s TANTRANSCO, Trichy.

Accordingly, as per Policy Guidelines issued by Ministry vide letter No. RW/NH 33044/29/2015/S&R(R) dated 22.11.2016, the application is being uploaded on public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

In view of the above, comments of the public on the above proposal is invited to the below mentioned address:

Regional Officer,
National Highways Authority of India,
No.2nd & 3rd Floor, Vijay Krishna Plaza,
No.1, Lake Area, Melur Main Road, Mattuthavani,
Madurai - 625 007.

महेन्द्र मीना
24/05/24

(महेन्द्र मीना | Mahendra Meena)
प्रबंधक (तक) | Manager (Tech)
क्षे.का. मदुरै | RO-Madurai

संलग्न: As above

प्रतिलिपि:

1. The NIC, New Delhi - for uploading in the Ministry's website.
2. The PD, Trichy- for information.



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport & Highways, Government of India)
परियोजना कार्यान्वयन इकाई - तिरुच्चू / Project Implementation Unit - Trichy
नं.6, (पुराना नं.44), पहली मंजिल, III - मेन रोड, पानेनगर, तिरुचिरापल्लि - 620 001
No. 6, (Old No. 44), 1st Floor, III-Main Road, Ponnagar, Tiruchirapalli - 620 001
दूर/Tele: +91-431 2482959 वेब/ Web: www.nhai.org ई-मेल/ E-mail: trl@nhai.org, trichynhai@gmail.com



NHAI/PD/TRY/NH 38/P-T/TNEB/2024/ 255

February 14, 2024

To
Regional Officer,
National Highways Authority of India,
Plot No.2nd& 3rd Floor,
Vijay Krishna Plaza, No. 1, Lake Area,
Melur Main Road, Mattuthavani,
Madurai - 625 007.

Sub: NHAI - PIU, TRICHY - Padalur- Trichy section of NH 45 (New NH 38) - GCC/Trichy - Design, Detailed Engineering, Manufacture and supply of 16.2 kms of 110 Kv 1X630 sq.m Aluminium XLPE UG Cable and accessories, laying of cable, erection of joints and termination, testing and commissioning from Loc.16 (near Army to the Mannarpuram 110 KV SS end under total turnkey basis - Check list and route layout drawings for laying 110KV 1C x 630 sq.m XLPE AL. UG Cable along the road from km. 325/908 to km.326/158 (RHS) - Recommended in principle approval requested - Reg.

- Ref: 1. Superintending Engineer (FAC), Trichy letter no. 004425/SE/GCC/ TRY/AEE/GL/DB/AE/C/F.Mannarpuram UG Cabledt.12.05.2023.
2. PIU Trichy letter of even no.1016 dt.25.05.2023
3. Project Manager, M/s. TPTPL letter no. TPTPL/O&M/2023/202/IE dt.08.06.2023
4. Team Leader, M/s. Feedback, Trichy letter no. FIPL/NH- 38/Ulundurpet-Trichy/TL/2023-24/121 dt.10.06.2023
5. This office letter NHAI/PD/TRY/NH 38/T-M/TNEB/2023/2474 dt 21.12.2023
6. Superintending Engineer (GCC), Trichy letter no. 000053/SE/GCC/ TRY/AEE/GL/DB/AE/C/F.Mannarpuram UG Cabledt.04.01.2024 (received on 08.01.2024)
7. TPTPL/O&M/2024/026/IE dt 01.02.2024

Sir,

The Superintending Engineer (GCC), Trichy vide letter dt.04.01.2024 seeking permission to lay underground cable along the road from km. 325/908 to km.326/158 (RHS) in Padalur- Trichy section of NH 38.

2. The Project Manager, M/s TPTPL Trichy vide letter dt.01.02.2024 has submitted report and recommended the proposal with the following conditions vide reference 7th cited.

15/02/2024

\\Pd\\d\\PIU Tri Doc\\2024 Documents\\Utility shifting\\TNEB\\P-T\\SE, Trichy TNEB from km.325.908 to km.326.158.docx



i. out of the proposed length of 250m, 30m would be laid with HDD method of laying at a depth of 3m and the balance 220m would be in open trench method.

3. In view of the recommendation of Project Manager, M/s TPTPL, the following observations are made by PIU - Trichy.

- i. The 110 KV electrical line underground cable shall be laid at the far edge of the Right of Way without disturbance to the existing service lines, cables, etc.,
- ii. The laying of UG cable shall be done as per drawing and specifications where the HDD method has to be adopted.
- iii. There should not be any hindrance to the traffic movement during laying of UG cable.
- iv. In case of improper restoration after laying, BG shall be forfeited.
- v. The works shall be carried out strictly as per the drawing submitted by applicant
- vi. Performance BG towards restoration charges for Rs. 1,25,000/- as per Ministry circular shall be furnished by the applicant and the confirmation of BG shall also be obtained from the respective branch as per NHAI guidelines before entering into the agreement.
- vii. The applicant shall pay Rs. 8,19,229/-towards license fee for 5 years.
- viii. No structures shall be constructed within the ROW.

4. a) The license fee has been calculated in line with the MoRT&H policy guidelines dt.22.11.2016 and as amended dt.17.04.2023 and based on the highest prevailing guideline rate of the village as under:

License fees for Public utility									
Utilized NH Land Area X Prevailing Circle Rate of Land Per Unit Area X 1.5% per annum.									
S.no	Village	Chainage		Side	Length	Width of Single circuit HT line (in meter)	Utilized NH land area (sq.m)	Prevailing circle rate of land per unit area (Sq.m) (Rs.)	License fee per annum (Public utility) (Rs.)
		From	to						
1	Illupur road (Mannarpuram Main Road)	325.908	326.158	RHS	250	1.2	300	32295	1,45,328

License fee per annum - Rs.1,45,328/-

License Fee for 1 st year	Rs. 1,45,328
License Fee for 2 nd year	Rs. 1,54,048

Handwritten signature/initials



License Fee for 3 rd year	Rs. 1,63,291
License Fee for 4 th year	Rs. 1,73,088
License Fee for 5 th year	Rs. 1,83,474
Total License Fee for 5 Years	Rs. 8,19,229/-

(Rupees Eight Lakhs Nineteen Thousand Two Hundred & Twenty-Nine Only)

b) The amount of performance BG has been calculated in line with the MoRT&H policy guidelines dt.22.11.2016 as detailed below:

Total area of land to be utilized -	250 Rm
Rate of performance BG	- Rs.500/- per .m
Amount (250*500)	- Rs. 1,25,000/-

In view of the above, the proposal submitted by Superintending Engineer (FAC), Trichy vide letter dt.04.01.2024 seeking permission to lay 110KV underground cable along the road from km. 325/908 to km.326/158 (RHS) in Padalur- Trichy section of NH 38, may be considered for according in-principle approval.

Yours faithfully,

Encl: Proposals - 3 sets (2 Original +1 copy)

A.N. Praveen Kumar
14/01/2024
(A.N. Praveen Kumar)
DGM (T) & Project Director

Copy to:

- The Superintending Engineer (GCC), Trichy for information.
- The Team Leader, M/s. Feedback, Trichy for information.
- The Project Manager, M/s. TPTPL, Samayapuram for information.

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(Monday to Friday 10 AM to 5:45 PM, excluding Government holidays)

1800 102 5174
(Monday to Friday 8 AM to 8 PM, Saturday 10 AM to 5 PM, excluding Government holidays)

The information provided Online is updated and no physical visit is required for the Services provided Online.

E- Services Circulars Guideline Value Sitemap Help More

GUIDELINE VALUE & PROPERTY VALUATION

Guideline Value relating to 2.19 lakhs streets and over 4.46 Crores Survey Numbers/Subdivision numbers are available on this site for query.
For Property Valuation, Click on the Street Name from the Street List, where the property is located.

From: 1-4-2023 To: Current Date

Search Criteria :

Zone: Trichy
Guideline Village: WARD - L (NEW WARD AC)
Revenue District: Revenue Taluk:

Sub Registrar Office:
Revenue Village:
Revenue Taluk:

Below Search results are as on 14-Feb-2024 04:26 PM

29 items found, displaying 1 to 10.
[First] [Prev] 1, 2, 3 [Next] [Last]

Sr. No.	Street Name	Guideline Value (F) (British Value)	Guideline Value (F) (Metric Value)	Land Classification	Effective Start Date	G.O Download
1	ANNA NAGAR (KIRAPATTAL SALAI)	12500: Square Feet	13455: Square Metre	Residential Class II Type - I	01-Apr-2023	
2	DINDUKAL ROAD	3500: Square Feet	37675: Square Metre	Commercial Class I Type - I	01-Apr-2023	
3	DR. JOSEPH COLONY	2500: Square Feet	26810: Square Metre	Residential Class I Type - I	01-Apr-2023	
4	E.B. COLONY	1250: Square Feet	13455: Square Metre	Residential Class II Type - I	01-Apr-2023	
5	GANASH NAGAR	1000: Square Feet	10765: Square Metre	Residential Class II Type - II	01-Apr-2023	
6	ILUPPOOR ROAD (KALLUKULI MAIN ROAD)	2000: Square Feet	21530: Square Metre	Residential Class I Type - II	01-Apr-2023	
7	ILUPPOOR ROAD (MAINARPURAM MAIN ROAD)	3000: Square Feet	32295: Square Metre	Commercial Class I Type - II	01-Apr-2023	
8	ILUPPOOR ROAD (SIMCO ROAD)	3000: Square Feet	32295: Square Metre	Commercial Class I Type - II	01-Apr-2023	
9	IGBAL COLONY	1500: Square Feet	16115: Square Metre	Residential Class I Type - II	01-Apr-2023	
10	KALLUKULI	0	-	Govt. Others	01-Apr-2023	

Go Back To Main Menu

TrichyPadalurTollwaysPrivateLimited

(Formerly known as Indu Navayuga Infro Project (P) Ltd)

TPTPL/O&M/2024/026/IE
01/02/2024

To
The Team Leader,
M/s. Feedback Infra Private Limited
Plot No.4, Ground Floor,
Gokulam Colony,
Bikshandar Koil,
Trichy - 621216
Email: ie.ulundurpet@gmail.com

07/02/2024

NHA - PIU - TRICHY	
= 6 FEB 2024	
Dy.No:	407
M(T)	✓
LAO	✓
SE-1	
SE-2	
SE-3	
Accounts	
YHE	
CO	

TRICHY PADALUR
TOLLWAYS
Private Limited

Dear Sir,

Project: Four laning and strengthening of Padalur to Trichy section from Km 285/000 to 325/000 of NH-38 in the state of Tamil Nadu on Build, Operate and Transfer BOT basis (Package VIC).

Sub : GCC /Trichy - Design, Detailed Engineering, Manufacture and supply of 16.2 kms of 110 Kv 1X630 sq.m Aluminum XLPE UG Cable and accessories, laying of cable, erection of joints and termination, testing and commissioning from Loc.16 (near Army to the Mannarpuram 110 KV SS end under total turnkey basis - Check list and route layout drawings for laying 1 10KV IC x 630 sq.m XLPE Al. UG Cable along the road from km. 325/908 to km.326/ 158 – Approval requested - Report by Concessionaire - Reg.

Ref. 1- NHAI/PD/TRY/NH 38/P-T/TNEB/2024/51A dated 09/01/2024.

This is in reference to the letter received from Authority Vide ref.(1) above, advised to submit the report for laying underground electrical cable between KM 325/908 to KM 326/158 by TNEB.

In compliance to the above, a joint inspection by Concessionaire, IE & Executive Engineer (GCC), TNEB Mannarpuram and following are the observations;

- 1- The proposed work is abutting at the ending kilometer of Padalur-Trichy between KM325+908 & KM 326+158 for a length of 250 meters at RHS portion near TNEB, Mannarpuram.
- 2- As per the information provided by the Executive Engineer, TNEB during the inspection that, out of the proposed length of 250 meters, 30 meters would be adopted with HDD method of laying at a depth of 3 meters and the balance 220 meters would be in open trench method.
- 3- Sufficient land is available within the ROW portion for work execution.

In view of the above, the necessary permission shall be accorded to the TNEB department for laying of cable between the KM 325+908 to 326+158 (RHS).

Submitting for your perusal.

Yours sincerely,

For Trichy Padalur Tollways Private Limited

V. Deenadayalan

Project Manager

Copy to: The Project Director, PIU Trichy.



Corporate Identity Number
CINU45200TN2006PTC085149

Registered & Corporate Office

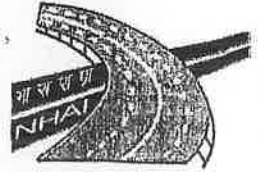
Sy/96, Opposite Sowmiya Nagar, Chennai Main Road, Samayapuram, Trichy-621 112, Tamil Nadu

Tel : +91-431-2670610 Fax: +91 431-2670710

inipplinfra@inippl.com



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय)
National Highways Authority of India
(Ministry of Road Transport and Highways)



Office of the Project Director, P.I.U.,
New No.6 (Old No.44), First Floor, III - Main Road,
Ponnagar, Tiruchirappalli - 620 001. Phone : 0431-2482959,
E-mail: trichynhai@gmail.com, tri@nhai.org.

NHAI/PD/TRY/NH 38/P-T/TNEB/2024/ 51A

January 9, 2024

To
Team Leader,
M/s. Feedback Infra Pvt Ltd,
Plot No. 14, First Floor,
Gokulam Colony,
BikshandarKoil, Trichy 621216

To
The Project Manager,
Trichy PadalurTollways Pvt Ltd,
Samayapuram Toll plaza,
Samayapuram, Trichy.

Sub: NHAI - PIU, TRICHY -Padalur- Trichy section of NH 45 (New NH 38) -
GCC/Trichy - Design, Detailed Engineering, Manufacture and supply of 16.2
kms of 110 Kv 1X630 sq.m Aluminium XLPE UG Cable and accessories, laying
of cable, erection of joints and termination, testing and commissioning from
Loc.16 (near Army to the Mannarpuram 110 KV SS end under total turnkey
basis - Check list and route layout drawings for laying 110KV 1C x 630 sq.m
XLPE Al. UG Cable from km. 325/908 to km.326/158 - Approval requested -
Report sought for - Reg.


Ref: 1. NHAI/PD/TRY/NH 38/T-M/TNEB/2023/2474 dated 21.12.2023
2.Lr. No 000053/SE/GCC/TRY/AEE/GL/DB/AE/C/F. Mannarpuram UG Cable
dated 04.01.2024 (received on 08.01.2024)

Sir,

Please find enclosed the proposal received from Superintending Engineer,
Trichy seeking permission to lay underground Electric cable for aforesaid subject
stretch in Padalur- Trichy section of NH 38, for joint inspection of site and
submission of report keeping in view of the availability of land and subsisting
encumbrances if any at site, early to this office.

Yours faithfully,

Encl: Proposal - 1 No.


(M. Ganesh Kumar)
DGM (T) & Project Director

Copy to:

- Superintending Engineer, Trichy for information.

TAMIL NADU TRANSMISSION CORPORATION LTD

FROM

Er.R.Kalpana,B.E.,(Hons)
SuperIntending Engineer,
General Construction Circle,
110 Kv Grid SS Campus,
Trichy – 620 001.

✓
The Project Director,
National Highways Authority of India,
No.44, 3rd Main road,
Jaya Nagar Extension,
Ponnagar, Thiruchirappalli;
Tamilnadu – 620 001.

Lr.No.000053/SE/GCC/TRY/AEE/GL/DB/AE/C/F.Mannarpuram UG Cable/

dt.04.01.24.

Sir,

Sub : **GCC/TRICHY** –Design, Detailed Engineering, Manufacture and Supply of 16.2 Kms of 110 KV, 1X630 Sq.mm Aluminium XLPE UG Cable and accessories, Laying of Cable, Erection of joints and termination, testing and commissioning from Loc.16 (near army to the Mannarpuram 110 KV SS end under total turnkey basis- Revised Check list and Route layout for laying 110 KV 1C X 630 Sq mm XLPE Al. UG Cable KM 0/0 to 2/243 and 325/908 to KM 326/158 KM - Revised layout, Agreement & Indemnity Bond – Submission of Regarding

- Ref:1. Lr.No.1373/SE/GCC/TRY/AEE/GL/DB/AE/C/F.Mannarpuram UG Cable, Dt.24.02.23
2. NHAI/PD/TRY/NH 38/T-M/TNEB/2023/1337/dt.04.07.23
3. Lr.No.4425/SE/GCC/TRY/AEE/GL/DB/AE/C/F.Mannarpuram UG Cable, Dt.12.05.23
4. NHAI/PD/TRY/NH 38/P-T/TNEB/2023/1629/dt.09.08.23
5. Lr.No.8577/SE/GCC/TRY/AEE/GL/DB/AE/C/F.Mannarpuram UG Cable/ dt.29.08.23.
6. NHAI/PD/TRY/ NH38/T.M/TNEB/2023/2288 & 2289/17.11.2023.
7.Lr.No.8577-1/SE/GCC/TRY/AEE/GL/DB/AE/C/F.MannarpuramUGCable/ dt.21.11.23.
8. NHAI/PD/TRY/ NH38/T.M/TNEB/2023/2474 & 2475/Dt21.12.23

In Continuation to the reference (8) cited above ,As per the joint inspection on 18.12.23' with NHAI officials , I enclose herewith the revised proposal for layout of 110 KV 1C X 630 sq mm XLPE Al.UG cable for making LILO from Loc. 16 of Thiruverumbur - K.Sathanoor feeder to Mannarpuram 110 KV SS. In Trichy section KM 0/0 to 2/243 and Padalur Section in Km 325/908 to Km 326/158 along with revised Crossing drawing with cable termination tower drawing at Loc. 16 by OHL method.

Hence, it is requested that the above crossing arrangements may please be approved and communicated early please.

Yours faithfully,

- Encl :1.Drawing - 4 Set.
2.Check List -2 Set.
3.Undertaking with Indemnity Bond -4Set


**SUPERINTENDING ENGINEER,
GCC / TRICHY.**

Copy to the Executive Engineer / TLC / Trichy.

Copy to the Assistant Executive Engineer / TLC-I / Trichy.

(Through E-mail).

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Padalalur Seethi

**PROPOSAL FOR LAYING OF 110KV, 1CX630SQ.MM XLPE
AL.UG CABLE FOR MAKING LILO FROM LOC.16 (NEAR
ARMY CAMP) OF THIRUVERAMBUR – K.SATHANUR
FEEDER TO MANNARPURAM 110KV SS**

NHAI PROPOSAL

**KM 325/908 to KM 326/158(RHS) ALONG THE NH-38
BY OPEN CUT TRENCH METHOD AND HDD METHOD
(PADALUR SECTION)**

**SUPERINTENDING ENGINEER,
GENERAL CONSTRUCTION CIRCLE,
TANTRANSCO,
PERIYAMILAGUPARAI,
TRICHY – 620001.**



தமிழ்நாடு தமில்நாடு TAMILNADU

Enclosure to Ministry of Road Transport & Highways letter No. 13044/2015/S&R (R)
dated 2.12.2016 DEC 2023

P. NAGARAJAN, D.Sc.,
L. No: 8403/93
District Court
Trichy, T. Nadu



**AGREEMENT REGARDING GRANTING OF
RIGHT OF WAY PERMISSIONS
FOR LAYING UTILITY SERVICES ON NATIONAL HIGHWAYS**

Agreement to lay cable / OFC cable / Electrical cable / pipe line/ ducts etc., along the Vellore-Tutucorin road from NH-38 Km 325/908 to Km 326/158 for a length of 250m on RHS by open method.& HDD method.

This Agreement made this _____ day of _____ (month) _____ (Year) between _____ acting in his executive capacity through (hereinafter referred to as the "Authority" which expression shall unless excluded by or repugnant to the context, include his successors in office and assigns) on the one part, and M/s. TANTRANSCO, a company registered under the Companies Act, 1956 and having its Registered Office at TANTRANSCO, Superintending Engineer, GCC, Periyamilaguparai, Trichy-620001 (here in after called the "Licensee") which expression shall unless excluded by repugnant to the context, include his successors/administrator assignees on the second part.


SUPERINTENDING ENGINEER
GENERAL CONSTRUCTION CIRCLE
TANTRANSCO
TIRUCHIRAPPALLI-620 001.

Whereas the Authority is responsible, inter-alia for development and maintenance of lands in Km 325/908 to 326/158 of NH-38 ROW.

Whereas the Licensee proposes to lay Telecom cable / OPC cable / electrical cable / pipe line / ducts etc. referred to as utility services in subsequent paras.

Whereas the Licensee has applied to the Authority for permission to lay utility services along the Vellore-Tutucorin road from NH-38 Km 325/908 to Km 326/158 for a length of 250m on RHS by open method road/route.

And whereas the Authority has agreed to grant such permission for way leave on the NH ROW as per terms and conditions hereinafter mentioned.

Now this agreement witnesses that in consideration of the conditions hereinafter contained and on the part of the Licensee to be observed and performed, the Authority hereby grants to the Licensee permission to lay utility services as per the approved drawing attached hereto subject to the following conditions, namely.


1. ROW permissions are only enabling in nature. The purpose of extending the way leave facility on the National Highway ROW is not for enhancing the scope of activity of a utility service provider, either by content or by intent. Further, enforceability of the permission so granted shall be restricted only to the extent of provisions/scope of activities defined in the license agreement & for the purpose for which it is granted.
2. No Licensee shall claim exclusive right on the ROW and any subsequent user will be permitted to use the ROW, either above or below, or by the side of the utilities laid by the first user, subject to technical requirements being fulfilled. Decision of the Authority in relation to fulfillment of technical requirements shall be final and binding on all concerned parties. In case any disruption/damage is caused to any existing user by the subsequent user, the Authority shall not be held accountable or liable in any manner.
3. The Licensee shall be responsible for undertaking all activities including, but not limited to site identification, survey, design, engineering, arranging finance, project management, obtaining regulatory approvals & necessary clearances, supply of equipment, material, construction, erection, testing and commissioning, maintenance and operation and all other activities essential or required for efficient functioning of their own utility/ industrial infrastructure facilities.


SUPERINTENDING ENGINEER
GENERAL CONSTRUCTION CIRCLE
TANTRANSO
TIRUCHIRAPPALLI-620 001.

4. The Licensee shall pay license fees @ Rs/sq m/month to the Authority. The License fee shall become payable from the date of handing over of ROW land to the Licensee, for. Laying of utilities/cables/conduits/pipelines for infrastructure/service provider. As regards Tariff and Terms and conditions for providing common utility ducts along National Highways, there shall be a separate agreement regime.
5. Fee shall have to be paid in advance for the period for which permission is granted for entering into a license agreement. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually
6. Present policy of the MoRT&H is to provide a 2.00 m wide utility corridor on either side of the extreme edge of ROW. In cases where utility ducts with sufficient space are already available along NH, the utility services shall be laid in such ducts subject to technical requirements being fulfilled.
7. The utility services shall be laid at the edge of the ROW. In case of restricted width of ROW, which may be adequate only to accommodate the carriageway; central verge, shoulders, slopes of embankment, drains, other road side furniture etc; the utility services shall be laid beyond the toe line of the embankments and clear of the drain.
8. The Licensee shall make his own arrangement for crossing of cross drainage structure, rivers, etc. below the bed. In case, this is not feasible, the utility services may be carried outside the railings/parapets and the bridge superstructure. The fixing and supporting arrangement with all details shall be required to be approved in advance from the concerned Highway Administration. Additional cost on account of fixing and supporting arrangement as assessed by the Authority shall be payable by the Licensee.
9. In exceptional cases, where ROW is restricted the utility services can be allowed beneath the carriageway of service road, if available, subject to the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct shall not be less than one lane. In such cases, it also needs to ensure that maintenance of the utility services shall not interfere with the safe and smooth flow of traffic. The cost of operation and maintenance will have to be borne by the Licensee.


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10. It is to be ensured that at no time there is interference with the drainage of the road land and maintenance of the National Highways. Towards this, the top of the utility services shall be at least 0.6 meter below the ground level. However, any structure above ground shall be aesthetically provided for / landscaped with required safety measures as directed by the concerned Authority;
11. The utility services shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing / conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry.
12. Existing drainage structures shall not be allowed to carry the lines across.
13. The top of the casing/conduit pipe containing the utility services to cross the road shall be at least 1.2m below the top of the sub grade or the existing ground level whichever is lower, subject to being at least 0.3m below the drain inverts. A typical sketch showing the clearances is given in Attachment-I.
14. The utility services shall cross the National Highway preferable on a line normal to it or as nearly so as practicable.
15. The casing/conduit pipe for crossing the road may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred,
16. In case of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30 cm. but not more than 60 cms wider than the outer diameter of the pipe. Filling of the trench shall conform to the specifications contained herein-below or as supplied by the Highway Authority.
 - a. Bedding shall be to a depth not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles, and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edges should be excavated and replaced by selected material.


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- b. The backfill shall be completed in two stages (i) Side-fill to the level of the top of the pipe (ii) Overfill to the bottom of the road crust.
 - c. The side fill shall consist of granular material laid in 15 cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.
 - d. The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highway Authority.
17. The. Licensee shall ensure making good the excavated trench for laying utility services by proper filling and compaction, so as to restore the land in to the same condition as it was before digging the trench, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way;
18. All required restoration work subsequent to laying of the cable shall be required to be undertaken by the Licensee at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards.
19. Prior to commencement of any work on the ground, a performance Bank Guarantee @ Rs. per route meter / Rs per sq m with a validity of one year initially (extendable if required till satisfactory completion of work) shall have to be furnished by the Licensee to the Authority/its designated agency as -a security against improper restoration of ground in terms of filling/unsatisfactory compaction damages caused to other underground installations/utility services & interference, interruption, disruption or failure caused thereof to any services etc. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.


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20. In case, the Performance Bank Guarantee is invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required Performance Bank Guarantee within one month of such invoking. In case the work contemplated herein is not completed to the satisfaction of the Authority, which has granted the permission, within a period of 11 months from the date of issue of the Bank Guarantee, the Licensee shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. Notwithstanding this, the Licensee shall be liable to pay full compensation to the aggrieved Authority/ its designated agency for any damage sustained by them by reason of the exercise of the ROW facility;
21. The Licensee shall shift the utility services within 90 days (or as specified by the respective Authority) from the date of issue of the notice by the concerned Authority to shift/relocate the utility services, in case it is so required for the purpose of improvement/widening of the road/route/highway or construction of flyover/bridge and restore the road/land to its original condition at his own cost and risk.
22. The Licensee shall be responsible to ascertain from the respective agency in co-ordination with Authority, regarding the location of other utilities /underground installations/ facilities etc. The Licensee shall ensure the safety and security of already existing underground installations / utilities / facilities etc. before commencement of the excavation/using the existing cable ducts. The Licensee shall procure insurance from a reputed insurance company against damages to already existing underground installations/utilities/facilities etc.
23. The Licensee shall be solely responsible / liable for full compensation/indemnification of concerned agency / aggrieved Authority for any direct, indirect or consequential damage caused to them/claims or replacements sought for, at the cost and risk of the Licensee. The concerned agency in co-ordination with Authority shall also have a right make good such damages/ recover the claims by forfeiture of Bank Guarantee.
24. If the Licensee fails to comply with any condition to the satisfaction of the Authority, the same shall be executed by the Authority at the cost and risk of the Licensee.


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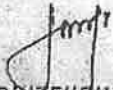
25. Grant of License is subject to the Licensee satisfying (a) minimum disruption of traffic and (b) no damage to the highways. As far as possible, the Licensee should avoid cutting of the road for crossing highway, and other roads and try to carry out the work by trenchless technology. In case any damage is caused to the road pavement in this process, the Licensee will be required to restore the road to the original condition at its cost. If due to unavoidable reasons the road needs to be cut for crossing or laying utility services, the Licensee has to execute the restoration work in a time bound manner at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank. Guarantee.
26. The Licensee shall inform /give a notice to the concerned agency designated by the Authority at least 15 day in advance with route details prior to digging trenches, for fresh or maintenance/repair works. A separate performance Bank Guarantee for maintenance/repair works shall have to be furnished by the Licensee.
27. Each day, the extent of digging the trenches should be strictly regulated so that utility services are laid and trenches filled up before the close of the work that day. Filling should be completed to the satisfaction of the concerned agency designated by the Authority.
28. The licensee shall indemnify the concerned agency in co-ordination with Authority, against all damages and claims, if any due to the digging of trenches for laying cables/ducts.
29. The permission for laying utility services is granted maximum for 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be renewed, unless defaults exist. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
30. The permission shall be valid only for the period it is issued and fee deposited. However, the Authority also has a right to terminate the permission or to extend the period of Agreement.


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31. That the Licensee shall not undertake any work of shifting, repairs or alterations to the utility services without prior written permission of the concerned agency in coordination with the Authority.
32. The permission granted shall not in any way be deemed to convey to the Licensee any ownership right or any interest in route/road/highway land /property, other than what is herein expressly granted. No use of NH ROW will be permitted for any purpose other than that specified in the Agreement.
33. During the subsistence of this Agreement, the utility services located in highway land / property shall be deemed to have been constructed and continued only by the consent and permission of the Authority so that the right of the Licensee to the use thereof shall not become absolute and indefeasible by lapse of time.
34. The Licensee shall bear the Stamp Duty charged on this Agreement.
35. Three copies. Of 'as laid drawings' of utilities (hard and soft copies) with geo-tagged photographs and geo-tagged video recordings of laying of cables in the trench (with respect to the NH) and after complete restoration shall be submitted to the Authority for verification and record within a month of completion of Works.
36. The Licensee shall allow free access to the Site at all times to the authorized representatives of Authority to inspect the Project Facilities and to investigate any matter within their Authority, and upon reasonable notice, shall provide reasonable assistance necessary to carry out their respective duties and functions.
37. The utility services shall not be made operational by the Licensee unless a completion certificate to the effect that the utility services has been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfaction of the concerned agency in co-ordination with the Authority has been obtained. Notwithstanding anything contained herein, this Agreement may be cancelled at any time by Authority for breach of any condition of the same and the Licensee shall neither be entitled to any compensation for any loss caused to it by such cancellation nor shall it be absolved from any liability already incurred.


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38. The Licensee shall ensure adherence to relevant Indian standards and follow best industry practices, methods and standards for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation, repair and maintenance of any part of the utility lines/industrial infrastructure facilities and which practices, methods and standards shall be adjusted as necessary, to take account of:
- a. operation, repair and maintenance guidelines given by the manufacturers,
 - b. the requirements of Law,
 - c. the physical conditions at the Site, and
 - d. The safety of operating personnel and human beings.
39. The Licensee shall have to provide safety measures like barricading, danger lighting and other necessary caution boards while executing the work.
40. While laying utility services, at least one lane of road shall be kept open to traffic at all times. In case of single lane roads, a diversion shall be constructed. If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of Licensee.
41. After the termination/expiry of the agreement, the Licensee shall remove the utility services within 90 days and the site shall be brought back to the original condition failing which the Licensee will lose the right to remove the utility services. However before taking up the work of removal of utility services the Licensee shall furnish a Bank Guarantee to the Authority for a period of one year for an amount assessed by the Authority as a security for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation of trenching at least 50m away from the edge of the ROW.
42. Any disputes in interpretation of the terms and conditions of this Agreement or their implementation shall be referred to the redress mechanism prevailing in the Ministry and the decision of the redress mechanism shall be final and binding on all.
43. For PPP Projects, in case of any financial loss incurred by the respective project concessionaires due to such laying/shifting of utility services by the Licensee, compensation for the same shall be required to be borne by the Licensee in mutual agreement with the respective project concessionaires. MoRT&H/ NHAI/implementing authorities for the project shall not be liable to the concessionaire in any way in this regard.
44. The Licensee should pay the rent / fee as and when demanded by NHAI.


SUPERINTENDING ENGINEER
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This agreement has been made in duplicate, each on a Stamp Paper. Each party to this Agreement has retained one stamped copy each.

IN WITNESS WHERE OF THE PARTIES HERETO HAVE CAUSED THIS AGREEMENT TO BE EXECUTED THROUGH THEIR RESPECTIVE AUTHORIZED REPRESENTATIVES THE DAY AND THE YEAR FIRST ABOVE WRITTEN.

SIGNED SEALED AND DELIVERED FOR AND ON BEHALF OF AUTHORITY.

BY SHRI _____

(Signature, name & address with stamp)

SIGNED ON BEHALF OF M/s.TANTRANSCO, Superintending Engineer,

GCC, Periyamilaguparai, Trichy-620001(LICENSEE)

BY SHRI _____

(Signature, name & address with stamp)


HOLDERS OF GENERAL POWER OF ATTORNEY DATED _____

EXECUTED IN ACCORDANCE WITH THE RESOLUTION NO. _____

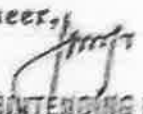
DATED _____ PASSED BY THE BOARD OF DIRECTORS IN THE

MEETING HEAD ON

IN THE PRESENCE OF (WITNESSES):

1. 
EXECUTIVE ENGINEER
Transmission Line Construction
TANTRANSCO
TRICHY - 620 020.

2. 
ASSISTANT EXECUTIVE ENGINEER
Transmission Line Construction-I
TANTRANSCO, Trichy-620 020


SUPERINTENDING ENGINEER
GENERAL CONSTRUCTION DIV.
TANTRANSCO
TIRUCHIRAPPALLI-620 001.

Indemnity against all damages and claims as per SL no 1 to 15 of checklist

**We M/S The Superintending Engineer, Tamilnadu Transmission Corporation,
General Construction Circle, Periyamilaguparai, Trichy - 620 001. Tamilnadu state
Transmission Corporation is making 110kV UG cable (1CX630sqmm) Laying along
with NH-38, Vellore - Tutucorin Highway (Section KM 325/908 to KM 326/158
length - 250mtr). Tamilnadu Transmission Corporation (TANTRANSCO)
Maintenance thereof and against all claims, proceeding, damages, costs charges
and expenses whatsoever in respect thereof in relation there to failing such
payments of claims in the above works we abide in accepting for recovery.**


**SUPERINTENDING ENGINEER
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தமிழ்நாடு தமில்நாடு TAMIL NADU

26AC 445384

11 8 DEC 2023

UNDERTAKING

R. NAGARAJAN B.Sc.,
Stamp Vendor
L. No: 8403/93
District Court
Trichy, T. Nadu.

SUBJECT: Permission for Laying of 110 KV UG cable at NH-38 KM 325/908 to KM 326/138 along RHS by open cut trenching & HDD method.

We M/s TANTRANSCO, GCC, Periyamilaguparai, Trichy – 620001.

Here by agreed that

1. We undertake that we will pay the fee/rent as mentioned in the Ministry's circular No.RW/NH-33044.29/2015-S&R (R) dated 22.11.2016 as and when asked by the NHAI.
2. We will pay a track rent as per the NHAI circular and conditions will be paid in advance before executing the License Agreement.
3. We will pay a Security Deposit for an amount of Rs.100/RM for laying along the road in the form of BG validity up to 1 years from the date of license Agreement In case of widening of the road (or) any other purpose.

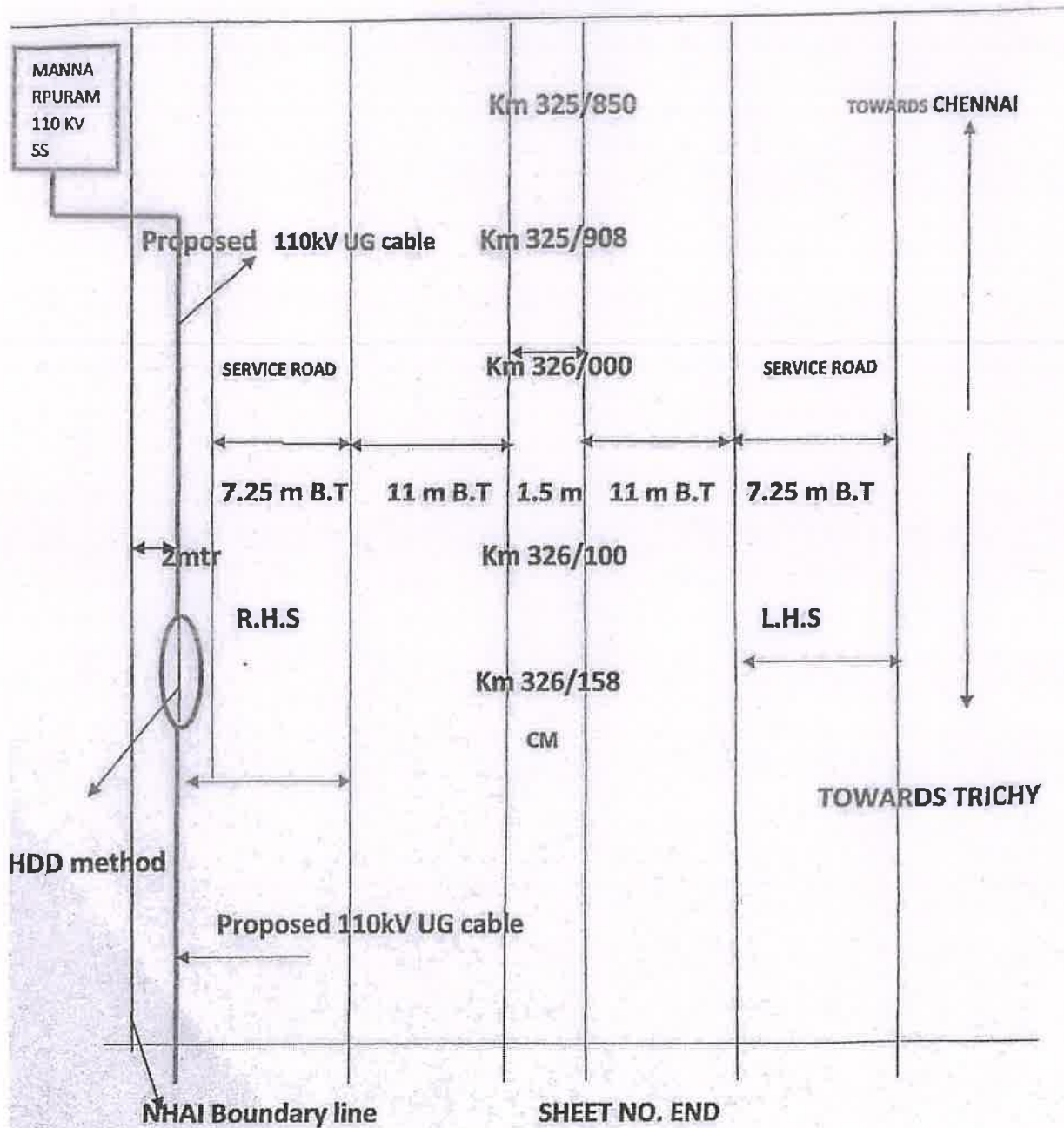
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4. We will shift at our own cost if requested by the Department in case of widening of the road (or) any other purpose.
5. We do undertake that we will relocate utilities at our own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for future six – lane or any other department.
6. We do hereby undertake that necessary alternation including complete removal/shifting of the EB CABLE shall be carried out at own cost if so required by the ministry for the development of National Highway or in the interest of safety in this section.
7. We do hereby agree that wherever ROW is not available (restricted to the toe the embankment cable laying will be done in private land).
8. We also hereby undertake that we shall not lay any other EB CABLE companies cable along with ours during the execution of our work.
9. We also undertake that the Traffic Movement will be managed by us during the laying of the EB cable.
10. We also undertake that we shall pay any claims raised by the contractor concessionaire with respect to the damages due to work.
11. Further we undertake that
 - a. Not to damage to other utility, if damaged then to pay losses either to NHAI or to the concerned agency.
 - b. Renewal of bank Guarantee then and there as required.
 - c. Conforming all standard condition of NHAI guidelines.
 - d. Shifting of EB CABLE as and when required by NHAI.
 - e. Shifting due to 6 laying/widening of NH.
 - f. Indemnity against all damages and claims clause (XV).


SUPERINTENDING ENGINEER
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**LAYING OF 110 KV UG CABLE (TANTRANSCO) LINE AT NH 38 FROM
325/908KM TO 326/158 KM ALONG RHS BY OPEN CUT TRENCH & HDD
METHOD.**

SHEET NO. START




TOTAL LENGTH = 250 M OPEN TRENCH METHOD & HDD METHOD

[Signature]
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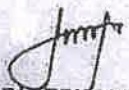
A.N. Praveen Kumar
14/04/2024
DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU-TRICHY - 620 001.

Proposal for Laying of 110kV EHV UG cable along the NH-38 (CHENNAI to THENI ROAD) KM 325/908 to 326/158		
GENERAL TO ACCOMPANY ALL PROPOSALS		
CHECK LIST		
S.NO	ITEMS	REMARKS
1	Whether the site plan is drawn to a scale of 1:2500 or 1:1000	NTS
2	Whether the details for 100m either side of the utility laying have been furnished	NA
3	Does the plan is shown in full	
	a).NH Boundry line with distance from center line of the road marked at salient points where the land width is changing and also at 100m interval	Yes
	b).The berm , line distance from center line at 100m intervals and also salient points of change widths of NH land	Yes
	c).Center line of pavement and present edger	Yes
	d).Median if any marked to scale	NA
	e).The locations of the utility line of proposal with change showing exact location and distance from NH center line	NA
	f). the existing culverts/drainage works with diversion	Yes
A	Purpose of the proposal in details	for power transmission
B	Exact location of the proposal	NH-38 (Vellore to Tutucorin) KM 325/908 to KM 326/158 BY Open Cut Trench Method/HDD
C	Whether the applicant is private agency or Govt agency	M/s TNEB (TANTRANSCO)
D	Any time schedule fixed for completion of the proposal made	As quickly as possible
E	Reason why the proposal could not be accommodated outside	Not feasible
F	Whether any other location other than this difficult or costly	Not possible
G	Whether the proposal, if implemented now will affect any likely future improvement, in this stretch of likely to be sanctioned in the near future whether they will be affected by this	No
H	Whether the proposal, if implemented, will affect the design stability and traffic safety of national highways	No
I	Whether the proposal, if implemented now will affect any likely future improvement, such as improvements in geometric	No
J	If there any proposal for improvement, in this stretch of likely to be sanctioned in the near future where they will be affected by this	No
Condition 1) The pipe lines should not be placed longitudinally for considerable length along NH 2) The crossing of cables shall be square in it normal to NH 3) Existing drainage structures shall not be used to carry the cable unless specifically permitted by the Govt. of India. 4) Cable should be provided with the casing pipe of larger dia and with 0.3M bedding below the casing pipe laid across the road		


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 DGM (T) & PROJECT DIRECTOR
 NATIONAL HIGHWAYS AUTHORITY OF INDIA
 PIU-TRICHY - 620 001.

CHECK LIST FOR GETTING APPROVAL FOR LAYING OF 110 KV EHV CABLE ON NH LAND			
Permission for Laying of 110kV EHV Cable along the NH-38 Road KM 325/908 to KM 326/158 Along RHS by Open Cut Trench & HDD Method			
S.No	Item	Information/Status	Remark
1.0	General Information		
1.1	Name and Address of the Applicant	TANTRANSCO, SuperIntending Engineer, GCC, Periyamilaguparal, Trichy-620001.	
1.2	National Highway Number	NH-38	
1.3	State	Tamil Nadu	
1.4	Location	NH-38,Vellore - Tutucorin Highway	
1.5	(Chainage in Km)	KM 325/908 to KM 326/158	
1.6	Length in Meter	250 mtr	
1.7	Width of available ROW		
	(a)Left side from centre line towards increasing chainage/km direction	NA	
	(b)Right side from centre line towards increasing chainage/km direction	30 mtr	from th C/L we lay 28mtr or 2mtr Edge of NHAI boundary line
1.8	Proposal to lay the cable		
	(a)Left side from centre line towards Increasing chainage/km direction	No	
	(b)Right side from centre line towards increasing chainage/km direction	Yes	
1.9	Proposal to acquire land		
	(a)left side from centre line	LA Completed	
	(b)Right side from centre line	LA Completed	
1.10	Whether proposal is in the same side where land is not to be acqulred	Yes	
	if not then where to lay the cable	Along the road	
1.11	Details of already laid service, if any, along the proposed route	TNEB / OFC	
1.12	Number of Lane (2/4/6/8 lanes)existing	4Lane with service road	
1.13	Proposed number of lanes (2 lane with paaved)	-	
1.14	Service road existing or not	Yes	
	if yes then which side		
	(a)Left side from centre line	-	
	(b)Right side from centre line	RHS	
1.15	Proposed service road		
	(a)Left side from centre line	-	
	(b)Right side from centre line	-	
1.16	Whether proposal to lay cable is after the sevice road or between the service road and main carriageway	110 KV EB UG cable laid at along the NH service road	from the C/L we lay 28mtr or 2mtr Edge of NHAI boundary line
1.17	The permission of laying 110kV EHV cable shall be considered for approval / rejection	May be Approved	
	(I)Where the ROW is more than 45m then duct cable shall be laid at the edge of right of way within the utility corridor of 2m width, duly keeping in view the future widening	NA	


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PIU-TRICHY - 620 001.

	(ii)Where land is yet to be acquired for 4 laning and the position of new carriageway has been decided then the cable shall be laid at the edge of right of way within the utility corridor of 2m width, on that side of existing carriageway where extra land is not proposed to be	NA	
	(iii)Where the widening plan for 4-laning is not yet decided and available ROW is around 30m or less a judicious decision would need to be taken for permitting the laying of cable/duct. This could be within 1.5m to 2m of utility corridor at the edge of existing ROW, duly keeping in view the possible widening plans	NA	
	(iv)Where ROW is restricted and adequate only to accommodate the carriageway, central verge, shoulders and drains (eg. highways in cutting through hilly/rolling terrain), the cable shall be laid clear of the drain	No	
1.18	No of applicants on the same stretch	One	
1.19	Whether the case of multiple licenses	No	
1.20	If so furnish a joint implementation programme to lay their respective ducts within stipulated time frame	Yes	
1.21	If crossing of the road involved if yes it shall only be through trench less technology	Yes	
2	Document/Drawings enclosed with the proposal	Yes	
2.1	Cross section showing the size of pit and location of cable for HDD	Yes	
2.2	Cross section showing the size of pit and location of cable for HDD method	Yes	
2.3	Strip plan/Route plan showing the 110 Kv EHV cable, chainage, width of ROW, distance of proposed cable from the edge of ROW, important mile stone, intersections, cross drainage work etc.	Yes, Shown in the diagram	
2.4	Methodology for laying of 110kv EHV cable	Enclosed	
2.4.1	Open trenching method	Yes	
2.4.2	Horizontal Directional Drilling (HDD) method	Yes	Road crossing
2.4.3	Laying 110KV cable through CD work	Yes	
3	Draft License agreement signed by two witnesses	Yes	
4	Performance Bank Guarantee	Would be obtained after approval of the proposal	
4.1	Performance BG as per Ministry's circular No RW/NH-33044/29/2015-S&R (R) dated 22-11-2016 to be obtained @100 Rs/-per meter length	Applicable at later	
4.2	Confirmation of BG has been obtained as per NHAI guidelines	BG shall be submitted as per NHAI guidelines	
5	Affidavit/Undertaking from the application for		
5.1	Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency	YES	
5.2	Renewal of Bank Guarantee	YES	
5.3	Confirming all standard condition of NHAI'S guideline	YES	
5.4	Shifting of 110kv EHV cable as and when required by NHAI	YES	


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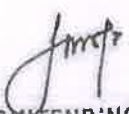
A.N. Praveen Kumar 14/02/2024
DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU-TRICHY - 620 001.

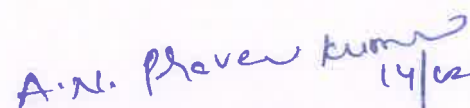
5.5	Shifting due to 6 laning/widening of NH	NO	
5.6	Indemnity against all damages and claims clause (xxiv)	YES	
6	Power of Attorney in favour of signatory	YES	
7	Copy of DOT licence	NA	
8	Certificate from the Project Director	YES	
B.1	Certificate for confirming of all standard condition issued vide ministry circular No.RW/NH-33044/29/2015-S&R dated 22.11.2016	YES	
B.2	Certificate for 6-laning (a)Where feasibility is available "I do certify that there will be no hindrance to proposed structure at the said location". (b)in case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-laning.	YES	
9	The agreement fee of Re.1 shall be charged	YES	
10	If NH section proposed to be taken up by NHAI on BOT basis- a clause in para17 to be inserted in the agreement. "The permitted Highway on which license has been granted the right of way to the concession agreement for up-gradation of section from 9.3/12 km, operate and transfer Basis and therefore, the license shall honour the same	NA	
11	Who will supervise the work of laying of 110kv EHV Cable	TANTRANSCO	
12	Who will ensure that the defects in road portion after laying of 110kv EHV cable are corrected and if not corrected then what action will be taken	TANTRANSCO, SuperIntending Engineer, GCC, Periyamilaguparal, Trichy-620001.	
13	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire	TANTRANSCO, SuperIntending Engineer, GCC, Periyamilaguparal, Trichy-620001.	
14	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed) issued vide ministry circular No.RW/NH/33044/29/2015-S&R (R) dated 22.11.2016	NA	
15	If any previous approval is accorded for laying of cable then photocopy of register of records of permissions accorded as maintained by PD (as per Ministry Circular NO. RW/NH/33044/17/2000/S&R dated 23.7.2003 & 06.08.2013) as referred in para 13 above is enclosed or not.	NO	


SUPERINTENDING ENGINEER
GENERAL CONSTRUCTION CIRCLE
TANTRANSCO
TIRUCHIRAPPALLI-620 001.


DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU-TRICHY - 620 001.

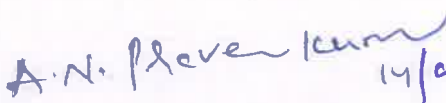
CHECK LIST		
Annexure to accompany proposal such as Laying of utility service like Pipelines, Underground cable along and across national highways/state highways		
(A) LAYING OF UTILITY ALONG NATIONAL HIGHWAYS/STATE HIGHWAYS		
S.NO	ITEMS	REMARKS
1	Whether the utility line is as close to the extreme edges of the way as possible? Not reason thereof (distance should be clearly note) at salient points and at close interval	YES
2	whether the utility line is 15m away from reasons thereof (distance should be clearly noted)at salient points and at close intervals	Shown In sketch
3	Does the proposal run over existing culverts and bridges at any place,if yes give reason why it can't be avoided	Yes
4	Does the proposal cover the area where the road formation is in double cutting	No
5	Will the proposal Interfere with the maintenance of NH at any time by its execution if permitted	No
6	Whether the C/S of utility line runs along NH is given in the drawing	No
	(a) Whether the top of U/G of cable line at least 0.6 m below G.L will it obstruct the drainage roads this a proposal to lay on electric cable carrying HT line	1.2mtr
	(b)If so, necessary certificate by the proposed that it will not have any dangerous effect on any th the bridge coponents and road safety for traffic	NA
7	Is this a proposal to lay on electric cable carrying HT LINE	Yes
	(a) If so, necessary certificate by the proposed that it will not have any dangerous on effect on any at the bridge components and roadways for traffic	No


SUPERINTENDING ENGINEER
GENERAL CONSTRUCTION CIRCLE
TANTRANSCO
TIRUCHIRAPPALLI-620 001.

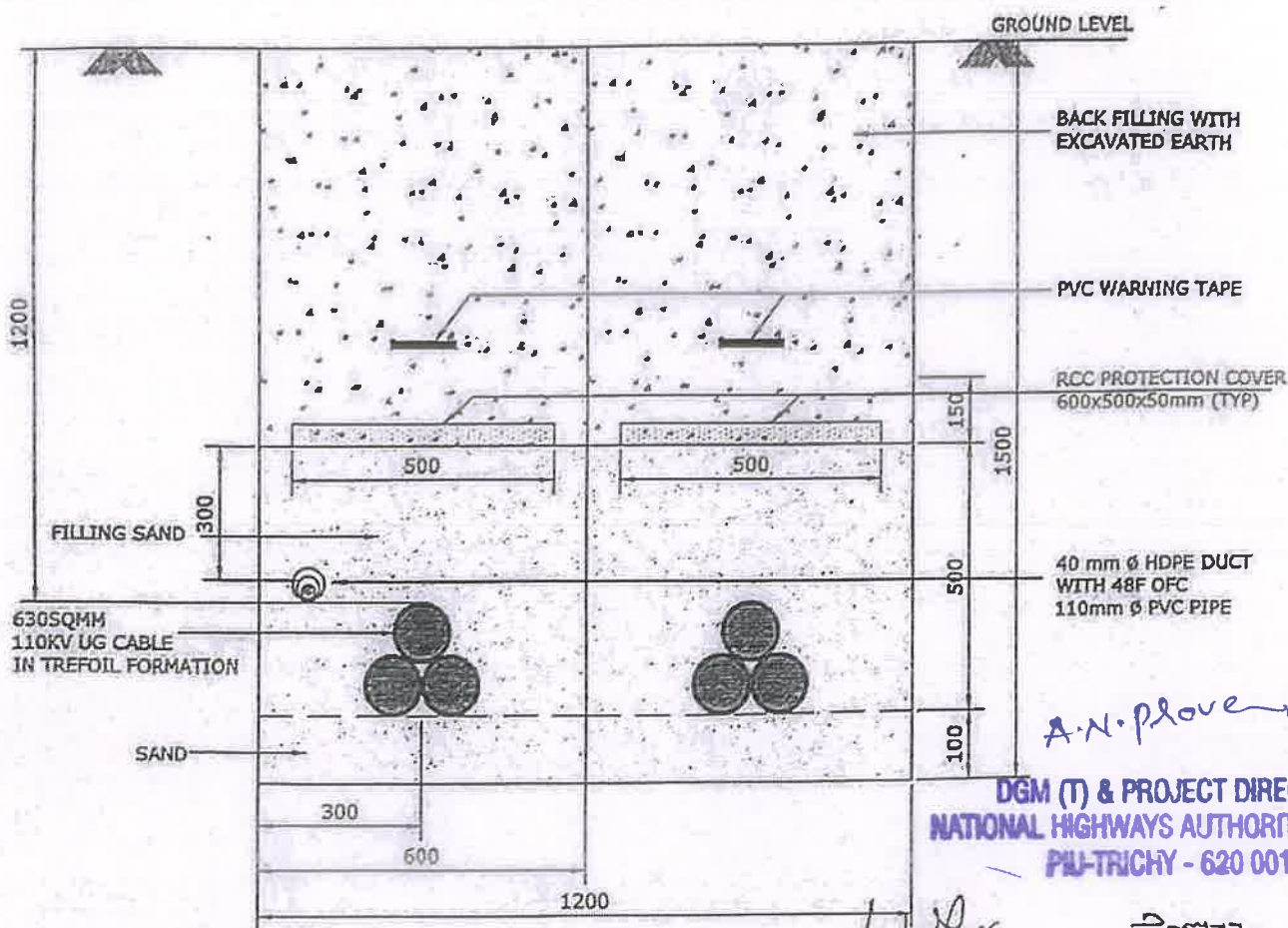

A.N. Phaven Kumar
14/05/2024
DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU-TRICHY - 620 001.

(B) LAYING OF U/G OF CABLE ACROSS NH/SH		
S.NO	ITEMS	REMARKS
1	Chainage at which It crossed the NH/SH	NA
2	Does the proposal cross the NH/SH on a line normal to It	NA
3	If the proposal for Irrigation purpose? If so the concurrence If revenue department has been enclosed	NO
4	Whether there is any structure existing within 15m from crossing? If so, the details of structure	NO
5	Will the proposal interfere with the maintenance of NH at any time	NO
(C) METHOD OF HDPE PIPE		
S.NO	ITEMS	REMARKS
1	Does it pass through special conduit or other structures built for this purpose	NA
2	Does it use any of the existing drainage	NA
3	Whether the conduit pipes have been encased?	NA
4	The details of HDPE pipes such as its dia, material etc	200mm
5	Whether the ends of casing or conduit pipes are sealed from outside so that it may not act as drainage path	YES
6	Does the casing / conduit pipe extend from drain to drain, it this is cut or from the toe or slope to tie of slope in case if this is full	NA
7	Whether the top of casings, conduits pipe is 1.2M below the road level subject to the conditions that It lies at least 0.5 m below the drain inverts	YES


SUPERINTENDING ENGINEER
GENERAL CONSTRUCTION CIRCLE
TANTRANSCO
TIRUCHIRAPPALLI-620 001.


DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU-TRICHY - 620 001.

E-10



A.N. Phovenkumar
14/12/2022

DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU-TRICHY - 620 001.

DIRECTLY BURIED TRENCH
DETAIL FOR DOUBLE CIRCUITIVE ENGINEER (H)
TRANSMISSION LINE CONSTRUCTION-I,
TANTRANSCO, TRICHY - 620 020.

06.11.22
ASSISTANT EN
TRANSMISSION LINE CC
TANTRANSCO, TRIC

NOTE:-
1) ALL DIMENSIONS ARE IN MM
TANTRANSCO
TIRUCHY - 620 020.

EXECUTIVE ENGINEER

COUNTERSIGNED

SUPERINTENDING ENGINEER
GENERAL CONSTRUCTION CIRCLE
TANTRANSCO
TIRUCHIRAPPALLI-620 020

APPROVED

Chief Engineer, Transmission Projects-II
TANTRANSCO, Trichy-01.



FINOLEX J-POWER SYSTEMS. LTD.

Client - TAMIL NADU TRANSMISSION CORPORATION LTD,

TITLE: CROSS SECTIONAL DETAIL OF LAYING OF 110KV
D/C 630SQMM UG CABLE BY DIRECTY BURIED METHOD

PROJECT-
LAYING OF 110kV 1Cx630 SQ.MM XLPE AL UG CABLE FOR MAKING
LJLO FROM LOC.16 (NEAR ARMY TRANING CAMP) OF
TIRUVERAMBUR- K.SATHANUR FEEDER TO MANNARPURAM 110kV SS

LOI NO.:1541/CE/TP.II/TRY/EE/AEE/AE/E/F.MANNARPRAM
TRACTION/22, DT:03.10.2022

DRAWING NO. - FJPS - TANTRANSCO
- LOC.16 - MANNARPURAM - 001

DRAWN BY	Mr. GOPAL	DATE
CHECKED BY	Mr. ARUNACHALLAM	10/12/2022
APPROVED BY	Mr. BASSTO	JOB NO. E-10

E-10

GROUND LEVEL

2500

630 Sqmm. D/C
110 KV UG CABLE

40 mm Ø HDPE DUCT
WITH 48F OFCS
THROUGH
100mm Ø HDPE PIPE

2000 x 10 mm THICK
HDPE PIPE

TRENCHLESS (HDD) METHOD DETAIL


EXECUTIVE ENGINEER TRANSMISSION LINE CO.
TRANSMISSION LINE CONSTRUCTION - TANTRANSCO, TRICHY
TANTRANSCO, TRICHY - 620 020.

NOTE:-
1) ALL DIMENSIONS ARE IN mm.

EXECUTIVE ENGINEER
Transmission Line Construction
TANTRANSCO
TRICHY - 620 020.

APPROVED

Chief Engineer, Transmission Projects -
TANTRANSCO, Trichy-01.

 FINOLEX J-POWER SYSTEMS. LTD.			
CLIENT - TAMIL NADU TRANSMISSION CORPORATION LTD,			
TITLE: CROSS SECTIONAL DETAIL OF LAYING OF 110KV D/C 630SQMM UG CABLE BY TRENCHLESS METHOD			
PROJECT:- LAYING OF 110KV 1Cx630 SQ.MM XLPE AL UG CABLE FOR MAKING LILO FROM LOC.16 (NEAR ARMY TRAINING CAMP) OF TIRUVERAMBUR - SATHANUR FEEDER TO MANNARPURAM 110KV SS			
LOI NO.:1541/CE/TP.II/TRY/EE/AEE/AE/E/F.MANNARPURAM TRACTION/ 22, DT:03.10.2022			
DRAWING NO: FJPS - TANTRANSCO - LOC.16 - MANNARPURAM - 02A			
Drawn by	Mr. GOPAL	Date	
Checked by	Mr. ARUNACHALLAM	10/12/2022	
APPROVED BY	Mr. BASSTO	JOB NO.	E-10

[illegible]

SUPERINTENDING ENGINEER
GENERAL CONSTRUCTION CIRCLE
TANTRANSO
TIRUCHIRAPPALLI-620 001.






A.N. Shaveer kumar
14/02/2019
DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIL-TRICHY - 620 001.

EXECUTIVE ENGINEER
Transmission Line Construction
TANTRANSO
TIRUCHY - 620 020.

306301243
ASSISTANT EXECUTIVE ENGINEER
Trenchless Line Construction-I
TANTRASCO, Trilby, 600 600

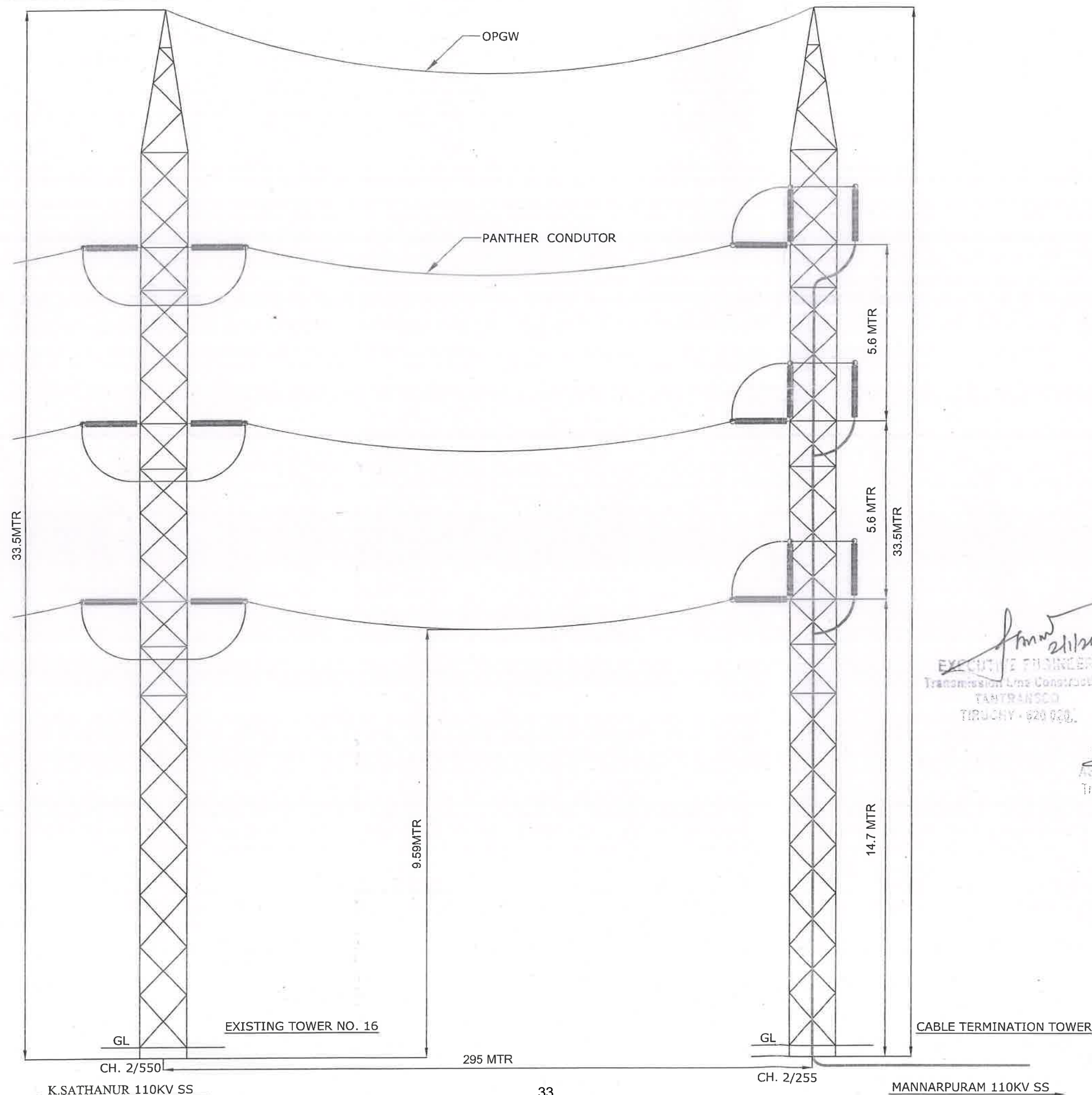
SECTION	NH MARKS		LENGTH (M)	REMARKS
	FROM	TO		
PADDUR - TRICHY	CH 325/908	CH 326/158	250	UG CABLE
TRICHY - MADURAI (A)	CH 0/0	CH 2/255	2226	UG CABLE
TRICHY - MADURAI (B)	CH 2/255	CH 2/550	295	OH LINE

LEGEND

	PROPOSED 110KV UG CABLE
	(NHAI) BOUNDARY LINE
	ROAD CROSSING BY HORIZONTAL DIRECTIONAL DRILLING (HDD) 31+26+20 = 77 MTR
	48 F OFC CABLE
	OH LINE

CLIENT :	TAMIL NADU TRANSMISSION CORPORATION LIMITED		
TITLE :	ROUTE LAYOUT FOR LAYING OF 110 KV 1CN63 SQ.MM XLPE AL. U G CABLE FOR MAKING LILF FROM LOC.16 (NEAR ARMY TRAINING CAMP) OF THIIRUVERAMBUR- K.SATHIANUR FEEDER TO MANNARPURAM 110KV SS		
CONTRACTOR :	FINOLEX J-POWER SYSTEMS PVT. LTD.		
PROJECT :	TANTRANSCO - E-10		
DRAWING NO. :	FJPS - TANTRANSCO - LOC.16 - MANNARPURAM - 001		
DRAWING BY	Mr SUBIN	SCALE:-	N T.S
CHECKED BY	Mr ARUNACHALLAM	DATE:-	18/12/2023
APPROVED BY	Mr BASSTO	REV. NO.	004
		PAGE NO.	1 Of 1

[E-10] LOC.16 (NEAR ARMY TRAINING CAMP) OF THIRUVERAMBUR- K.SATHANUR FEEDER TO MANNARPURAM 110KV SS												
Permission Authority	Section Wise Details		JB No	Section No	CIRCUIT 1				CIRCUIT 2			
	Location Area				Route Length (m)	Termination Length (m)	Joining Length (m)	Total Drum Length (m)	Route Length (m)	Termination Length (m)	Joining Length (m)	Total Drum Length (m)
	From	To										
NATIONAL HIGHWAYS	MANNARPURAM 110KV SS	NEAR BY AMMIKAL RESTAURANT	JB 1	Section 1	450	10	3	463	450	10	3	463
NATIONAL HIGHWAYS	NEAR BY AMMIKAL RESTAURANT	NEAR BY MANNARPURAM (R/A)	JB 2	Section 2	450	10	3	463	450	10	3	463
					379	0	6	385	379	0	6	385
					379	0	6	385	379	0	6	385
					379	0	6	385	379	0	6	385
NATIONAL HIGHWAYS	NEAR BY MANNARPURAM (R/A)	BEFORE MILITARY GATE	JB 3	Section 3	406	0	6	412	406	0	6	412
					406	0	6	412	406	0	6	412
					406	0	6	412	406	0	6	412
					414	0	6	420	414	0	6	420
NATIONAL HIGHWAYS	BEFORE MILITARY GATE	AFTER MILITARY GATE- 2	JB 4	Section 4	414	0	6	420	414	0	6	420
					414	0	6	420	414	0	6	420
					414	0	6	420	414	0	6	420
					506	0	6	512	506	0	6	512
NATIONAL HIGHWAYS	AFTER MILITARY GATE- 2	NEAR TO ROUTE MARKER STONE NH35 8	JB 5	Section 5	506	0	6	512	506	0	6	512
					506	0	6	512	506	0	6	512
					506	0	6	512	506	0	6	512
					506	10	3	519	506	10	3	519
NATIONAL HIGHWAYS	NEAR TO ROUTE MARKER STONE NH38 8	100M BEFORE TOWER No. 16 CABLE END	Section 6	506	10	3	519	506	10	3	519	
				506	10	3	519	506	10	3	519	
				506	10	3	519	506	10	3	519	
				2661			8133	2661			8133	



A. N. P. Raveen Kumar
14/02/2024
DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU-TRICHY - 620 001.

Super
SUPERINTENDING ENGINEER
GENERAL CONSTRUCTION CIRCLE
TANTRANSCO
TIRUCHIRAPPALLI-620 001.

Executive Engineer
Transmission Line Construction
TANTRANSCO
TIRUCHY - 620 001.

30630/12/23
Assistant Engineer
Transmission Line Construction
TANTRANSCO, Trichy-620 001

Assistant Engineer
TLC-II/Trichy-20



FINOLEX J-POWER SYSTEMS LTD.

Client - TAMIL NADU TRANSMISSION CORPORATION LIMITED

TITLE: PROPOSED CABLE TERMINATION TOWER NEAR TOWER LOCATION NO - 16

PROJECT: ROUTE LAYOUT FOR LAYING OF 110 KV 1CX630 SQ.MM XLPE AL. UG CABLE FOR MAKING LILO FROM LOC.16 (NEAR ARMY TRAINING CAMP) OF THIRUVERAMBUR- K.SATHANUR FEEDER TO MANNARPURAM 110KV SS

DRAWING NO. FJPS-TANTRANSCO-LOC.16 - MANNARPURAM - 004

Drawn by	MURUGARAJ	Date	Rev
Checked by	BASSTO	18/12/2023	02
SCALE:-	N. T. S.	PAGE NO:	1 OF 1



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport & Highways, Government of India)
परियोजना कार्यान्वयन इकाई - तिरुच्ची / Project Implementation Unit - Trichy
नं.6, (पुराना नं.44), पहली मंजिल, III - मेन रोड, पानेनगर, तिरुचिरापल्लि - 620 001
No. 6, (Old No. 44), 1st Floor, III-Main Road, Ponnagar, Tiruchirapalli - 620 001
दूर / Tele: +91-431 2482959 वेब / Web: www.nhai.org ई-मेल / E-mail: tri@nhai.org, trichynhai@gmail.com



NHAI/PD/TRY/NH 38/P-T/TNEB/2023/1377

July 11, 2023

To

Regional Officer,
National Highways Authority of India,
Plot No.2nd & 3rd Floor,
Vijay Krishna Plaza, No. 1, Lake Area,
Melur Main Road, Mattuthavani,
Madurai – 625 007.

Sub: NHAI – PIU, TRICHY – Padalur – Trichy section of NH 45 (New NH 38) – GCC/Trichy – Design, Detailed Engineering, Manufacture and supply of 16.2 kms of 110 Kv 1X630 sq.m Aluminium XLPE UG Cable and accessories, laying of cable, erection of joints and termination, testing and commissioning from Loc.16 (near Army to the Mannarpuram 110 KV SS end under total turnkey basis – Check list and route layout drawings for laying 110KV 1C x 630 sq.m XLPE Al. UG Cable along the road from km. 325/908 to km.326/158 (RHS) – Recommended in principle approval requested – Reg.

Ref: 1. Superintending Engineer (FAC), Trichy letter no. 004425/SE/GCC/TRY/AEE/GL/DB/AE/C/F. Mannarpuram UG Cable dt.12.05.2023.
2. PIU Trichy letter of even no.1016 dt.25.05.2023
3. Project Manager, M/s. TPTPL letter no. TPTPL/O&M/2023/202/IE dt.08.06.2023
4. Team Leader, M/s. Feedback, Trichy letter no. FIPL/NH-38/Ulundurpet-Trichy/TL/2023-24/121 dt.10.06.2023

Sir,

The Superintending Engineer (FAC), Trichy vide letter dt.12.05.2023 seeking permission to lay underground cable along the road from km. 325/908 to km.326/158 (RHS) in Padalur – Trichy section of NH 38.

2. Team Leader M/s. Feedback, Trichy vide letter dt.10.06.2023 has submitted report and recommended the proposal with the following conditions vide reference 4th cited.

i. out of the proposed length of 250m, 30m would be adopted with HDD method of laying at a depth of 3m and the balance 220m would be in open trench method.

M. J. Jay



3. In view of the recommendation of Team Leader, the following observations are made by PIU – Trichy.

- i. The 110 KV electrical line underground cable shall be laid at the edge of the Right of Way without disturbance to the existing service lines, cables, etc.,
- ii. There should not be any hindrance to the traffic movement during laying of UG cable.
- iii. In case of improper restoration after laying, BG shall be forfeited.
- iv. The works shall be carried out strictly as per the drawing submitted by applicant
- v. Performance BG towards restoration charges for Rs. 25,000/- as per Ministry circular shall be furnished by the applicant and the confirmation of BG shall also be obtained from the respective branch as per NHAI guidelines before entering into the agreement.
- vi. The applicant shall pay Rs. 4,84,425/- towards license fee for 5 years.
- vii. No structures shall be constructed within the ROW.

4. a) The license fee has been calculated in line with the MoRT&H policy guidelines dt.22.11.2016 and as amended dt.17.04.2023 and based on the highest prevailing guideline rate of the village as under:

License fees for Public utility (Erection of tower line) (Rs. / Sq.m / Month)									
Utilized NH Land Area X Prevailing Circle Rate of Land Per Unit Area X 1.5% per annum.									
S. no	Village	Chainage		Side	Length	Width of Single circuit HT line (in meter)	Utilized NH land area (sq.m)	Prevailing circle rate of land per unit area (Sq.m) (Rs.)	License fee per month (private utility) (Rs.)
		From	to						
1	Illupur road (Mannarpuram Main Road)	325.908	326.158	RHS	250	0.12	30	32295	14532.75

License fee per month - Rs.14532.75

Total (for period of 5 years) = 14532.75 X 60 = Rs.8,71,965/-

(Rupees Eight Lakhs Seventy One Thousand Nine Hundred & Sixty Five Only)

b) The amount of performance BG has been calculated in line with the MoRT&H policy guidelines dt.22.11.2016 as detailed below:

Total area of land to be utilized	-	250 Rm
Rate of performance BG	-	Rs.100/- per sq.m
Amount (250*100)	-	Rs.25,000/-

H. Jey



In view of the above, the proposal submitted by Superintending Engineer (FAC), Trichy vide letter dt.12.05.2023 seeking permission to lay 110Kv underground cable along the road from km. 325/908 to km.326/158 (RHS) in Padalur – Trichy section of NH 38, may be considered for according in-principle approval.

Encl: Proposals – 3 sets (2 Original +1 copy)

Yours faithfully,


11/7/23

(M. Ganesh Kumar)

DGM (T) & Project Director

Copy to:


1. The Superintending Engineer (FAC), Trichy for information.
2. The Team Leader, M/s. Feedback, Trichy for information.
3. The Project Manager, M/s. TPTPL, Samayapuram for information.



CERTIFICATE

Certified that, the proposed laying of Electric line is confirming of all standard condition issued vide Ministry Circular No. RW/NH-33044/29/2015/S&R (R) dt.22.11.2016

Certified that, any other location of the Electric line would be extremely difficult and unreasonable costly and the installation of electric cable line within ROW will not adversely affect the design, stability & traffic safety of the Highway nor the likely future improvement such as widening of the carriageway, easing of curve etc., There is no proposal pending for 6 laning.


(M. Ganesh Kumar)

DGM (T) & Project Director
PIU – Trichy



CERTIFICATE

Certified that, necessary entries have been made in the Register of seeking permission to lay underground cable along the road from km. 325/908 to km.326/158 (RHS) in Padalur – Trichy section of NH 38 in Page no. 44 in S. no.8

(M. Ganesh Kumar)
DGM (T) & Project Director
PIU - Trichy



Feedback Infra Private Limited
In Association with Sri Infotech
Feedback Highways IndVe
Plot No. 14, Ground Floor, Gokulam Colony,
Bikshandarkoil, Trichy - 621216, Tamil Nadu.
Email: ie.ulundurpet@gmail.com
ie.ulundurpet@feedbackinfra.com

www.feedbackinfra.com

FIPL/NH-38/Ulundurpet-Trichy/TL/2023-24/121

Date: 10.06.2023

To,
The Project Director,
PIU Trichy, National Highways Authority of India,
No.44, First Floor, 3rd Main Road,
Jaya Nagar Extension,
Ponnagar, Karumandapam,
Tiruchirappalli, Tamil Nadu 620 001.



Sub: Independent Engineer Services for Operation & Maintenance period of 4-lane divided Carriageway of Ulundurpet – Padalur section of NH-38 from Km 192/750 to Km 285/000 – Padalur – Trichy section of NH-45 from Km 285/000 to Km 325/000 in the State of Tamil Nadu under NHDP Phase-III on BOT basis- **GCC/Trichy - Design, Detailed Engineering, Manufacture and supply of 16.2 kms of 110 Kv 1X630 sq.m Aluminum XLPE UG Cable and accessories, laying of cable, erection of joints and termination, testing and commissioning from Loc.16 (near Army to the Mannarpuram 110 KV SS end under total turnkey basis - Check list and route layout drawings for laying 1 l0KV IC x 630 sq.m XLPE Al. UG Cable from km. 325/908 to km.326/ 158 - Approval requested - Report sought for – IE Recommendation-Reg.**

Ref:

1. NHAI/PD/TRY/NH-38/P-T/TNEB/2023/1016 dated 25.05.2023.
2. TPTPL/O&M/2023/202/IE dated 08.06.2023.

Sir,

This is in reference to the letter received from Authority Vide ref.(1) above, advised for a joint inspection of site and submission of report keeping in view of the availability of land and subsisting encumbrance against the request received from TNEB for laying underground electrical cable between KM 325/908 to KM 326/158.

Incompliance to the above, a joint inspection has been carried out by IE, Concessionaire & Executive Engineer (GCC), TNEB Mannarpuram dated 07/06/2023 and Concessionaire letter cited (2) submitted the observation which is verified and found acceptable. Further IE refurnishing the comments for your ready reference;

- 1- During the inspection that, out of the proposed length of 250 meters, 30 meters would be adopted with HDD method of laying at a depth of 3meters and the balance 220 meters would be in open trench method which is been intimated by the Executive Engineer, TNEB.
- 2- Sufficient land is available for executing the proposed work at the location.





**Feedback Infra Private Limited
In Association with Sri Infotech**

Feedback Highways IndVe
Plot No. 14, Ground Floor, Gokulam Colony,
Bikshandarkoil, Trichy - 621216, Tamil Nadu.
Email: ie.ulundurpet@gmail.com
ie.ulundurpet@feedbackinfra.com

www.feedbackinfra.com

3- Existing Avenue trees between KM 325+908 to 326+158 were not necessitated for felling at the proposed location as the major portion (220 meters) is getting executed in open trench method and the no avenue tree exists at the portion were HDD (30 meters) method is adopted.

Hence,IE herewith recommending for permission to carryout cable laying work between the KM 325+908 to 326+158 (RHS) by TNEB department.

Yours faithfully,
for **Feedback Infra Pvt Ltd in association with Sri Infotech,**

(Y.Venu Gopala Rao)
Highway Maintenance Cum Resident Engineer



CC:

- 1.The Project Manager, M/s. Feedback Infra Pvt, Ltd, Bangalore.
- 2.The Project Manager, M/s. TPTPL, Samayapuram.



Trichy Padalur Tollways Private Limited

(Formerly known as Indu Navayugal Info Project (P) Ltd)



TPTPL/O&M/2023/202/IE

08/06/2023

To
The Team Leader,
M/s. Feedback Infra Private Limited
Plot No.4, Ground Floor,
Gokulam Colony,
Bikshandar Koil,
Trichy - 621216
Email: ie.ulundurpet@gmail.com

Dear Sir,

Project: Four laning and strengthening of Padalur to Trichy section from Km 285/000 to 325/000 of NH-38 in the state of Tamil Nadu on Build, Operate and Transfer BOT basis (Package VIC).

Sub : GCC/Trichy - Design, Detailed Engineering, Manufacture and supply of 16.2 kms of 110 Kv 1X630 sq.m Aluminum XLPE UG Cable and accessories, laying of cable, erection of joints and termination, testing and commissioning from Loc.16 (near Army to the Mannarpuram 110 KV SS end under total turnkey basis - Check list and route layout drawings for laying 110KV IC x 630 sq.m XLPE Al. UG Cable from km. 325/908 to km.326/ 158 - Approval requested - Report sought for – Concessionaire submission - Reg.

Ref. 1- NHAI/PD/TRY/NH 38/P-T/TNEB/2023/1016 dated 25/05/2023.

This is in reference to the letter received from Authority Vide ref.(1) above, advised for a joint inspection of site and submission of report keeping in view of the availability of land and subsisting encumbrance against the request received from TNEB for laying underground electrical cable between KM 325/908 to KM 326/158.

In compliance to the above, a joint inspection has been carried out by IE, Concessionaire & Executive Engineer (GCC), TNEB Mannarpuram dated 07/06/2023 and following are the observations;

- 1- The proposed work is abutting at the ending kilometer of Padalur-Triuchy between KM325+908 & KM 326+158 for a length of 250 meters at RHS portion near TNEB, Mannarpuram.
- 2- As per the information provided by the Executive Engineer, TNEB during the inspection that, out of the proposed length of 250 meters, 30 meters would be adopted with HDD method of laying at a depth of 3 meters and the balance 220 meters would be in open trench method.
- 3- Sufficient land is available within the ROW portion for work execution.
- 4- Existing Avenue trees between KM 325+908 to 326+158 were not necessitated for felling at the proposed location as the major portion (220 meters) is getting executed in open trench method and the no avenue tree exists at the portion where HDD (30 meters) method is adopted.

In view of the above, the necessary permission shall be accorded to the TNEB department for laying of cable between the KM 325+908 to 326+158 (RHS).

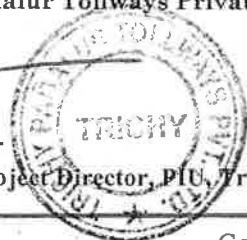
Submitting for your perusal

Yours sincerely,
For Trichy Padalur Tollways Private Limited

V. Deenadayalan

Project Manager

Copy to: The Project Director, PIU, Trichy.



Corporate Identity Number
CINU45200TN2006PTC085149

Registered & Corporate Office

Sy/96, Opposite Sowmiya Nagar, Chennai Main Road, Samayapuram, Trichy-621 112, Tamil Nadu

Tel : +91-431-2670610 Fax: + 91 431-2670710

inipplinfra@inippl.com

8

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REGISTRATION DEPARTMENT

சென்னை, தமிழ்நாடு, இந்தியா



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/ 9498452120
/ 9498452130
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GUIDELINE VALUE & PROPERTY VALUATION

Guideline Value relating to 2.19 lakhs streets and over 4.46 Crores Survey Numbers/Subdivision numbers are available on this site for query.

For Property Valuation, Click on the Street Name from the Street List, where the property is located:

From: 1-4-2023 To: Current Date

Search Criteria :

Zone:	Trichy	Sub Registrar	Trichy
Guideline	WARD -L	Office:	Joint 1
Village:	(NEW WARD	Revenue Village:	-
	AC)	Revenue Taluka:	-
Revenue	-		
District:			

Below Search results are as on 23-Jun-2023 04:26 PM

A B C D E F G H I J K L M N O P Q R S T U
V W X Y Z 1 2 3 4 5 6 7 8 9 0

29 items found, displaying 1 to 10.

[First/Prev] 1, 2, 3 [Next/Last]

Sr.No.	Street Name	Guideline Value (₹) (British Value)	Guideline Value (₹) (Metric Value)	Land Classification	Effective Start Date	G.O.Download
1	<u>ANNA NAGAR</u> (<u>KIRAPATTAI</u> <u>SALAI</u>)	1250/ Square Feet	13455/ Square Metre	Residential Class II Type - I	01-Apr- 2023	-
2	<u>DINDUKAL ROAD</u>	3500/ Square Feet	37675/ Square Metre	Commercial Class I Type - I	01-Apr- 2023	-
3	<u>DR.JOSEPH</u> <u>COLONY</u>	2500/ Square Feet	26910/ Square Metre	Residential Class I Type - I	01-Apr- 2023	-
4	<u>E.B. COLONY</u>	1250/ Square Feet	13455/ Square Metre	Residential Class II Type - I	01-Apr- 2023	-
5	<u>GANASH NAGAR</u>	1000/ Square Feet	10765/ Square Metre	Residential Class II Type - II	01-Apr- 2023	-
6	<u>ILUPOOR ROAD</u> (<u>KALLUKULI</u> <u>MAIN ROAD</u>)	2000/ Square Feet	21530/ Square Metre	Residential Class I Type - II	01-Apr- 2023	-
7	<u>ILUPOOR ROAD</u> (<u>MANNARPURAM</u> <u>MAIN ROAD</u>)	3000/ Square Feet	32295/ Square Metre	Commercial Class I Type - II	01-Apr- 2023	-
8	<u>ILUPOOR ROAD</u> (<u>SIMCO ROAD</u>)	3000/ Square Feet	32295/ Square Metre	Commercial Class I Type - II	01-Apr- 2023	-
9	<u>IQBAL COLONY</u>	1500/ Square Feet	16150/ Square Metre	Residential Class I Type - III	01-Apr- 2023	-
10	<u>KALLUKULI</u>	0	-	Govt. Others	01-Apr- 2023	-

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REGISTRATION DEPARTMENT

SUBKARNATA DEGINAL, KANAKA PERUMAL
TAMIL NADU



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GUIDELINE VALUE & PROPERTY VALUATION

Guideline Value relating to 2.19 lakhs streets and over 4.46 Crores Survey Numbers/Subdivision numbers are available on this site for query.

For Property Valuation, Click on the Street Name from the Street List, where the property is located.

From: 1-4-2023 To: Current Date

Search Criteria :

Zone:	Trichy	Sub Registrar Office:	Trichy Joint 1
Guideline Village:	WARD -AD (SENGULAM)	Revenue Village:	-
Revenue District:	-	Revenue Taluka:	-

Below Search results are as on 19-Jun-2023 01:26 PM

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#)
[V](#) [W](#) [X](#) [Y](#) [Z](#) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [0](#)

72 items found, displaying 1 to 10.

[First/Prev] 1, 2, 3, 4, 5, 6, 7, 8 [Next/Last]

12

Sr.No.	Street Name	Guideline Value (₹) (British Value)	Guideline Value (₹) (Metric Value)	Land Classification	Effective Start Date	G.O.Download
1	<u>AASATH STREET</u>	1300/ Square Feet	13995/ Square Metre	Residential Class II Type - I	01-Apr-2023	-
2	<u>ABDUL KUTHUS BAI STREET</u>	1500/ Square Feet	16150/ Square Metre	Residential Class I Type - III	01-Apr-2023	-
3	<u>ADAIKALAMATH A KOVIL FIRST STREET</u>	1500/ Square Feet	16150/ Square Metre	Residential Class I Type - III	01-Apr-2023	-
4	<u>ADAIKALAMATH A KOVIL SECOND STREET</u>	1500/ Square Feet	16150/ Square Metre	Residential Class I Type - III	01-Apr-2023	-
5	<u>ADAIKALAMATH A KOVIL THIRD STREET</u>	1500/ Square Feet	16150/ Square Metre	Residential Class I Type - III	01-Apr-2023	-
6	<u>ALLAH STREET</u>	1700/ Square Feet	18300/ Square Metre	Residential Class I Type - II	01-Apr-2023	-
7	<u>AMMAN NAGAR</u>	1700/ Square Feet	18300/ Square Metre	Residential Class I Type - II	01-Apr-2023	-
8	<u>AMMIRTHA AASARI</u>	1700/ Square Feet	18300/ Square Metre	Residential Class I Type - II	01-Apr-2023	-
9	<u>ANANDAPURAM STREET</u>	1300/ Square Feet	13995/ Square Metre	Residential Class II Type - I	01-Apr-2023	-
10	<u>ANNA NAGAR</u>	1000/ Square Feet	10765/ Square Metre	Residential Class II Type - II	01-Apr-2023	-

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Duty and Fees

Reference

Citizen Charter

Tell me How

TAMIL NADU TRANSMISSION CORPORATION LTD

FROM
Er.R.Kalpana,B.E.,(Hons)
Superintending Engineer,
General Construction Circle,
110 Kv Grid SS Campus,
Trichy – 620 001.

TO
The Project Director,
National Highways Authority of India,
No.44, 3rd Main road,
Jaya Nagar Extension,
Ponnagar, Thiruchirappalli,
Tamilnadu – 620 001.

Lr.No.004425/SE/GCC/TRY/AEE/GL/DB/AE/C/F.Mannarpuram UG Cable/

Dt.12.05.23.

Sir,

Sub : **GCC/TRICHY** – Design, Detailed Engineering, Manufacture and Supply of 16.2 Kms of 110 KV, 1X630 Sq.mm Aluminium XLPE UG Cable and accessories, Laying of Cable, Erection of joints and termination, testing and commissioning from Loc.16 (near army to the Mannarpuram 110 KV SS end under total turnkey basis- Revised Check list and Route layout for laying 110 KV 1C X 630 Sq mm XLPE Al. UG Cable – Approval requesting – Reg.

Ref:1. Lr.No.1373/SE/GCC/TRY/AEE/GL/DB/AE/C/F.Mannarpuram UG Cable, Dt.24.02.23
2. NHAI/PD/TRY/NH 38/T-M/TNEB/2023/778/dt.25.04.23
3.Lr.EE/TLC/TRY/HD/F.Mannarpuram UG Cable/ D.No.275/23 dt.09.05.2023.

The Proposal for laying of 110 KV 1C X 630 Sq mm XLPE Al. UG Cable for making LILO from Loc.16 of Thiruverambur –K.Sathanur feeder to Mannarpuram 110 KV SS along the NH – 38 by open cut trench and trenchless (HDD) method returned Vide (ref.2) cited is furnished after attending following remarks.

- 1.As stated vide reference, revised route survey has been conducted and drawings are prepared and enclosed herewith.
- 2.Cable termination DP Structure indicated in the route plan along with exact U.G. Cable distance.
- 3.The cable crossing at Mannarpuram junction modified by trenchless method (HDD) and length shown in the drawing.
- 4.The exact location of the joint pit shown in the drawing and details also enclosed.

The detailed sketch showing the crossing arrangements and route layout drawings particulars is herewith enclosed

Hence, it is requested that the above crossing arrangements may please be approved and communicated early please.

Yours faithfully,

Encl : Route Layout – 2 Copy.

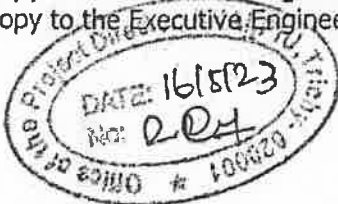
Online Application - 4 Nos

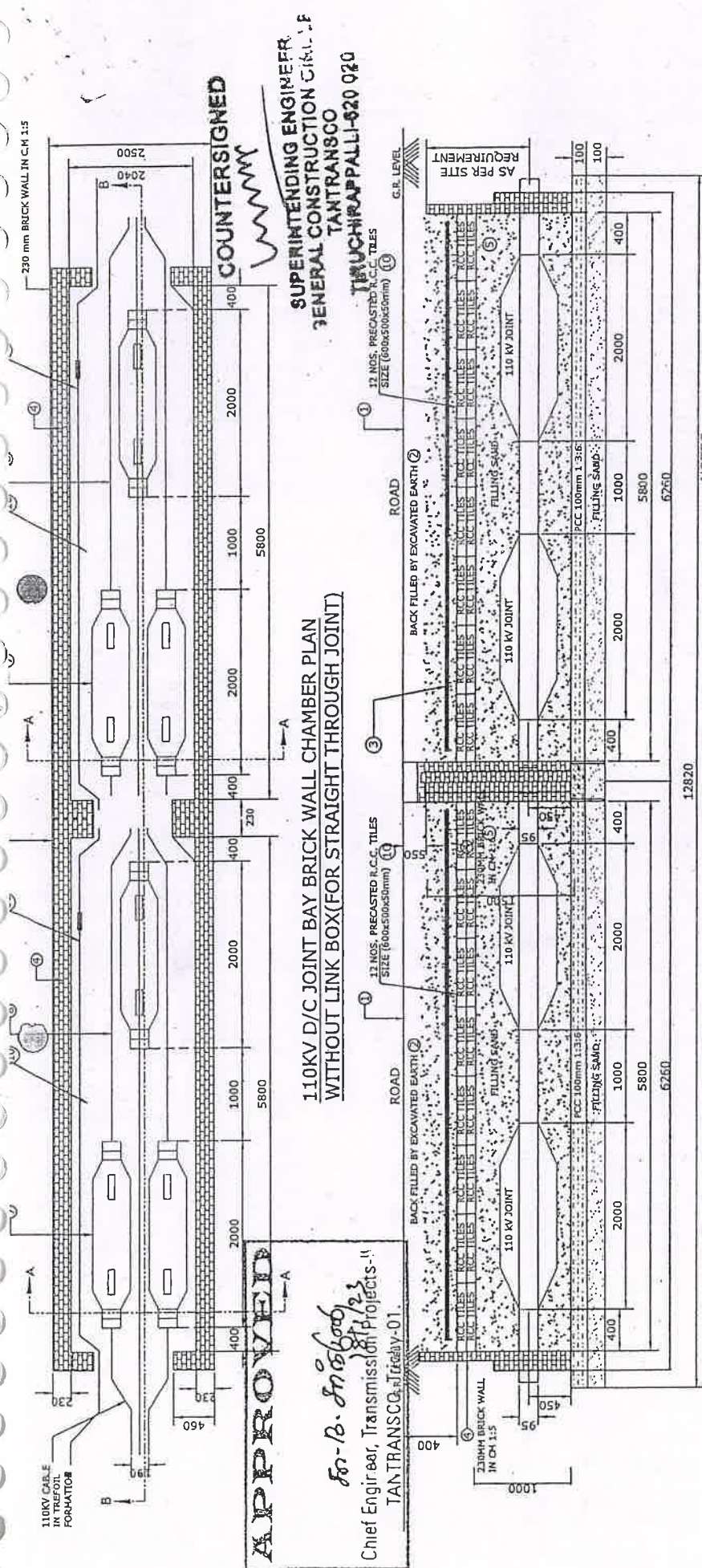

**SUPERINTENDING ENGINEER,
GCC / TRICHY.**

(Through E-mail).

Copy to the Executive Engineer / TLC / Trichy.

Copy to the Executive Engineer (NI)/ TLC-II / Trichy.

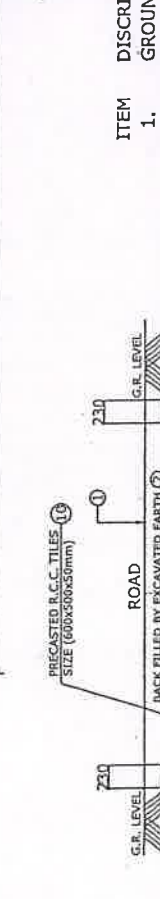




NOTES:
1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
2. FILLING OF SAND/EARTH ON TOP COVER SHALL BE DONE ONLY AFTER ENSURING COMPLETE SAND FILLING OTHERWISE IT WOULD LEAD TO UNEVEN PRESURE ON THE COVER AND MAY DAMAGE TOP COVERING.

EXECUTIVE ENGINEER
TANTRANSCO, TRICHY - 620 020

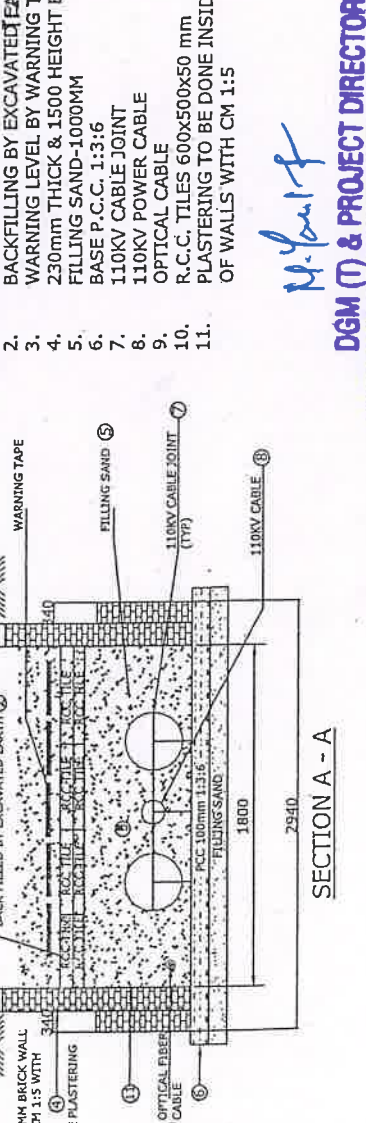
SECTION B - B



PROJECT -	FINOLEX J-POWER SYSTEMS. LTD.
CLIENT -	TAMIL NADU TRANSMISSION CORPORATION LTD,
PROJECT TITLE: CROSS SECTIONAL DETAIL OF JOINT BAY	
MEASUREMENT FOR D/C 110 KV UG CABLE	
LAYING OF 110KV 1C4G39 SQ.MM XLPE ALU DG CABLE FOR MAKING L.I.L.O FROM LOC.16 (NEAR ARMY TRAINING CAMP) O THIRUVARUR - K.SATHANUR FEEDER TO MANNARURAM 110KVS	
LOT NO.1341/CE/TP-11/TRY/EE/AE/EE/MANNARURAM TRACTION/22, DT:03.10.2022	
DRAWING NO. FJPS - TANTRANSCO	
- LOC.16 - MANNARURAM - 004	
DRAWN BY	MR. GOPAL
CHECKED BY	MR. ARUNACHALAM
DATE	10/12/2022

TRANSMISSION LINE CONSTRUCTION
TANTRANSCO, TRICHY - 620 020

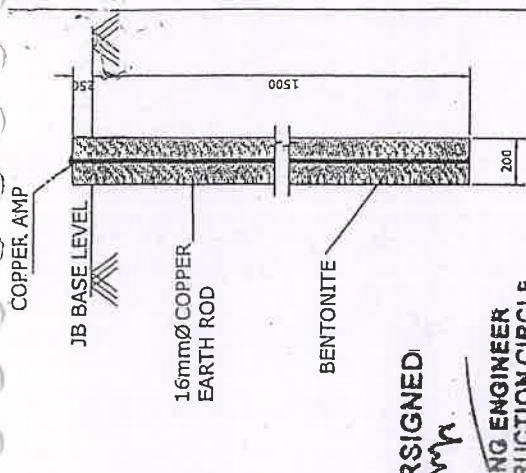
SECTION A - A



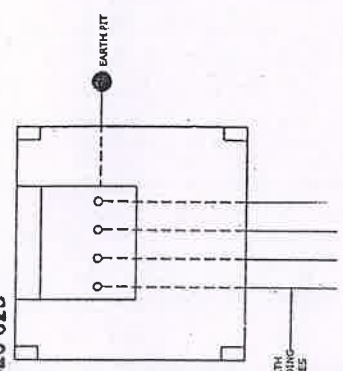
ITEM
1. GROUND SURFACE
2. BACKFILLING BY EXCAVATED EARTH
3. WARNING TAPE
4. 230mm THICK & 1500mm HEIGHT BRICK WALL
5. FILLING SAND - 1000MM
6. BASE P.C.C. 1:3:6
7. 110KV CABLE JOINT
8. 110KV POWER CABLE
9. OPTICAL CABLE
10. R.C.C. TILES 600X500X50 mm
11. PLASTERING TO BE DONE INSIDE PORTION OF WALLS WITH CM 1:5

ASSISTANT ENGINEER
TLC-II / Trichy-20

DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU-TRICHY - 620 001.

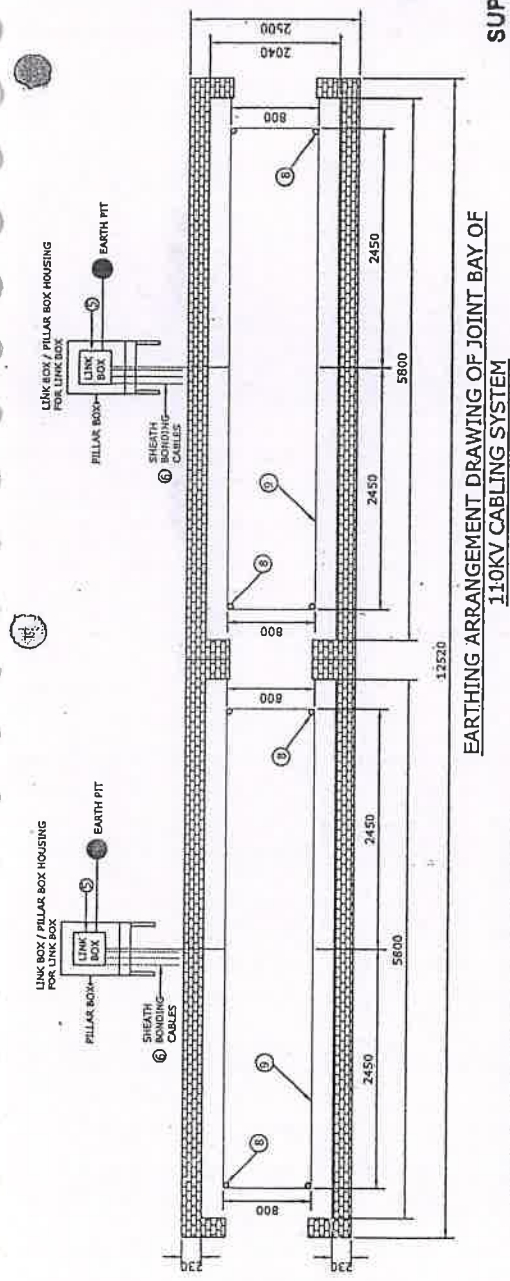


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[Signature]
SUPERINTENDING ENGINEER
GENERAL CONSTRUCTION CIRCLF
TANTRANSCO
TIRUCHIRAPPALLI-620 020

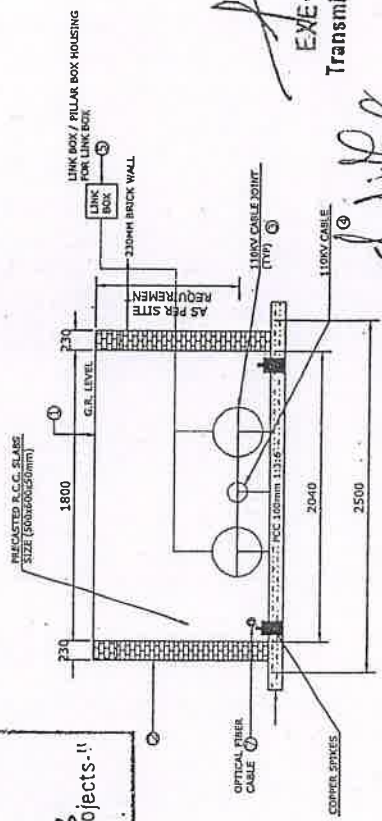


EXECUTIVE ENGINEER
Transmission Line Construction
TANTRANSCO
TIRUCHY-620 020
ASSISTANT ENGINEER
TLC-II / Trichy

Client - TAMIL NADU TRANSMISSION CORPORATION LTD.
TITLE: CROSS SECTIONAL DETAIL OF EARTHING ARRANGEMENT DRAWING OF JOINT BAY OF 11KV CABLING SYSTEM
PROJECT - LAYING OF 110KV 1C4330 SQ.MM XLPE ALDG CABLE FOR MAKING LIL O FROM L.O.C. 16 (NEAR ARMY TRAINING CAMP) OF THIRUVARMBUR - K.SATHANUR FEEDER TO MANNARPURAM 110KVS LGI NO.1154/CE/TP-II/TRIVEE/AEE/AE/PMANNARPURAM TRACTION/22, DT:05.10.2022
DRAWING NO: FJPS - TANTRANSCO - LOC.16 - MANNARPURAM - 605
DRAWN BY: MT. GOPAL
CHECKED BY: MT. ARUNACHALLAM
DATE: 10/12/2022



APPROVED
[Signature]
Chief Engineer, Transmission Projects-1
TANTRANSCO, Trichy-01.



EXECUTIVE ENGINEER (NI)
TRANSMISSION LINE CONSTRUCTION - I,
TANTRANSCO, TRICHY - 620 020.

- NOTES:
1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
 2. PAINTING OF LINK BOX: SINGLE COAT OF RED OXIDE TWO COATS OF GREY ENAMEL
 3. BOTTOM OF LINKBOX HOUSING SHALL BE COVERED WITH BRICK MASONRY WORK.
 4. PLASTIC BOARD WITH FOLLOWING SCRIPT TO BE PUT OVER LINK BOX: "DANGER-TANTRANSCO 110KV LINK BOX"

- ITEM DESCRIPTION
1. GROUND SURFACE
 2. 230mm THICK & 1350 HEIGHT RCC WALL
 3. 110KV CABLE JOINT
 4. 110KV POWER CABLE
 5. LINK BOX FOR CROSS BONDING
 6. SINGLE CORE EARTH CABLE
 7. OPTICAL FIBER CABLE
 8. COPPER ROD 16mm DIA 1.5 M
 9. LONG MS EARTH ELECTRODE
 - 240 SQMM BARE COPPER CONDUCTOR

[Signature]
DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU-TRICHY - 620 001.

TAMILNADU TRANSMISSION CORPORATION LIMITED

From

To ✓

Er.S.Anbalagan, B.E,
Superintending Engineer (FAC),
General construction circle,
110 KV Grid SS Campus,
Trichy – 620 001.

The Project Director,
National Highways Authority of India,
No.44, 3rd Main road,
Jaya Nagar Extension,
Ponnagar, Thiruchirappalli,
Tamilnadu – 620 001.

Lr.No.1373/SE/GCC/TRY/AEE/GL/DB/AE/C/F.Mannarpuram UG cable, Dt. 24.02.2023.
Sir,

Sub: GCC/TRICHY – Design, Detailed Engineering, Manufacture and Supply of 16.2 Kms of 110 KV, 1X630 Sq.mm Aluminium XLPE UG Cable and accessories, Laying of Cable, Erection of joints and termination, testing And commissioning from Loc.16 (near army to the Mannarpuram 110 KV SS end under total turnkey basis – Check list and Route layout drawings for laying 110 KV 1C X 630 Sq mm XLPE Al. UG Cable – Approval requested – Regarding.

Ref: 1. Lr No.1541/CE/TP-II/Try/EE/AEE/AE/E/F.Mannarpuram
Traction/22, Dt.03.10.22.

The proposal for laying of 110 KV 1C X 630 Sqmm XLPE Al. UG Cable for making LILO from Loc.16 of Thiruverambur-K.Sathanur feeder to Mannarpuram 110 KV SS along the NH-38 by open cut trench and trenchless (HDD) method furnished herewith.

Sl. No.	Location	Chainage	Total Length
1	NH-38, Trichy-Melur road	KM 0/0 to KM 2/243 (RHS)	(Near army camp) 2243 M
2	NH-38, Trichy-Melur road	KM 325/908 to KM 326/158	(Mannarpuram SS) 250 M

The detailed sketch showing the crossing arrangements of the above line with proforma, undertaking, agreement and route layout drawings particulars is herewith enclosed.

Hence, it is requested that the above crossing arrangements may please be approved and communicated early please.

Encl : Proforma booklet – 02 sets (Each crossing)

Yours faithfully,

SUPERINTENDING ENGINEER,
GCC/TRICHY

Copy to the Executive Engineer / TLC / Trichy.

Copy to the Executive Engineer (NI) / TLC – II /Trichy. }

(Through E-mail)

PROPOSAL FOR LAYING OF 110KV, 1CX630 SQ.MM
XLPE AL.UG CABLE FOR MAKING LILO FROM
LOC.16(NEAR ARMY CAMP) OF THIRUVERAMBUR –
K.SATHANUR FEEDER TO MANNARPURAM 110KV SS

NHAI PROPOSAL

KM 0/0 to KM 2/243 (RHS) ALONG THE NH-38 BY
OPEN CUT TRENCH AND TRENCHLESS (HDD) METHOD

SUPERINTENDING ENGINEER,
GENERAL CONSTRUCTION CIRCLE,
TANTRANSCO,
PERIYAMILAGUPARAI,
TRICHY – 620001

CHECK LIST FOR GETTING APPROVAL FOR LAYING OF 110 KV EHV CABLE ON NH LAND

Permission for Laying of 110kV EHV Cable along the NH-38 Road KM 0/0 to KM 2/243 Along RHS by Open Cut Trench and Trenchless

(HDD) Method

S No	Item	Information/Status	Remark
1.0	General Information		
1.1	Name and Address of the Applicant	TANTRANSCO, Superintending Engineer, GCC, Periyamilaguparai, Trichy-620001.	
1.2	National Highway Number	NH-38	
1.3	State	Tamil Nadu	
1.4	Location	NH-38, Trichy - Melur Road	
1.5	(Chainage in Km)	KM 0/0 to KM 2/243	
1.6	Length in Meter	2243	
1.7	Width of available ROW		
	(a) Left side from centre line towards increasing chainage/km direction	09.00m from the C.L	
	(b) Right side from centre line towards increasing chainage/km direction	09.00m from the C.L	
1.8	Proposal to lay the cable		
	(a) Left side from centre line towards increasing chainage/km direction	No	
	(b) Right side from centre line towards increasing chainage/km direction	Yes	
1.9	Proposal to acquire land		
	(a) Left side from centre line	LA Completed	
	(b) Right side from centre line	LA Completed	
1.10	Whether proposal is in the same side where land is not to be acquired	Yes	
	if not then where to lay the cable	Along the road	
1.11	Details of already laid service, if any, along the proposed route	TNEB / OFC	
1.12	Number of Lane (2/4/6/8 lanes) existing	4 Lane with service road	
1.13	Proposed number of lanes (2 lane with paved)		
1.14	Service road existing or not	Yes	
	if yes then which side		
	(a) Left side from centre line		
	(b) Right side from centre line	RHS	
1.15	Proposed service road		
	(a) Left side from centre line		
	(b) Right side from centre line		
1.16	Whether proposal to lay cable is after the service road or between the service road and main carriageway	110 KV EB UG cable laid at along the NH road	
1.17	The permission of laying 110kV EHV cable shall be considered for approval / rejection	May be Approved	
	(i) Where the ROW is more than 45m then duct cable shall be laid at the edge of right of way within the utility corridor of 2m width, duly keeping in view the future widening	NA	

COUNTERSIGNED

SUPERINTENDING ENGINEER
GENERAL CONSTRUCTION CIRCLE
TANTRANSCO
TIRUCHIRAPPALLI-620 020

EXECUTIVE ENGINEER
Transmission Line Construction
TANTRANSCO
TIRUCHY - 620 020

EXECUTIVE ENGINEER (ND)
TRANSMISSION LINE CONSTRUCTION - I,
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DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU-TRICHY - 620 001.

	(ii)where land is yet to be acquired for 4 laning and the position of new carriageway has been decided then the cable shall be laid at the edge of right of way within the utility corridor of 2m width, on that side of existing carriageway where extra land is not proposed to be	NA	
	(iii)Where the widening plan for 4 laning is not yet decided and available ROW is around 30m or less a judicious decision would need to be taken for permitting the laying of cable/duct. This could be within 1.5m to 2m of utility corridor at the edge of existing ROW, duly keeping in view the possible widening plans	NA	
	(iv)Where ROW is restricted and adequate only to accommodate the carriageway, central verge, shoulders and drains (eg highways in cutting through hilly/rolling terrain), the cable shall be laid clear of the drain	No	
1.18	No of applicants on the same stretch	One	
1.19	Whether the case of multiple licenses	No	
1.20	If so furnish a joint implementation programme to lay their respective ducts within stipulated time frame	Yes	
1.21	If crossing of the road involved if yes it shall only be through trench less technology	Yes	
2	Document/Drawings enclosed with the proposal	Yes	
2.1	Cross section showing the size of pit and location of cable for HDD	Yes	
2.2	Cross section showing the size of pit and location of cable for HDD method	Yes	
2.3	Strip plan/Route plan showing the 110 Kv EHV cable, chainage, width of ROW, distance of proposed cable from the edge of ROW, important mile stone, intersections, cross drainage work etc.	Yes, Shown in the diagram	
2.4	Methodology for laying of 110kv EHV cable	Enclosed	
2.4.1	Open trenching method	Yes	
2.4.2	Horizontal Directional Drilling (HDD) method	Yes	
2.4.3	Laying 110KV cable through CD work	Yes	
3	Draft License agreement signed by two witnesses	Yes	
4	Performance Bank Guarantee	Would be obtained after approval of the proposal	
4.1	Performance BG as per Ministry's circular No RW/NH-33044/29/2015-S&R (R) dated 22.11.2016 to be obtained @ 100 Rs/ per meter length	Applicable at later	
4.2	Confirmation of BG has been obtained as per NHAI guidelines	BG shall be submitted as per NHAI guidelines	
5	Aaffidavit/Undertaking from the application for		
5.1	Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency	YES	
5.2	Renewal of Bank Guarantee	YES	
5.3	Confirming all standard condition of NHAI'S guideline	YES	
5.4	Shifting of 110kv EHV cable as and when required by NHAI	YES	

COUNTERSIGNED

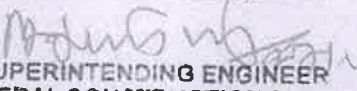
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TANTRANSCO
TIRUCHIRAPPALLI-620 020

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Transmission Line Construction
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TRANSMISSION LINE CONSTRUCTION - I,
TANTRANSCO, TRICHY - 620 020.

DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU-TRICHY - 620 001.

5.5	Shifting due to 6 laning/widening of NH	NO	
5.6	Idemnity against all damages and claims clause (xxiv)	YES	
6	Power of Aattorney in favour of signatory	YES	
7	Copy of DOT licence	NA	
8	Certificate from the Project Director	YES	
8.1	Certificate for confirming of all standard condition issued vide ministry circular No.RW/NH-33044/29/2015-S&R dated 22.11.2016	YES	
8.2	Certificate for 6-laning (a)Where feasibility is available "I do certify that there will be no hindrance to proposed structure at the said location". (b)In case feasibility report is not avaailaable "I do certify that sufficient ROW is available at site for accomodating proposed six-laning.	YES	
9	The agreement fee of Re 1 shall be charged	YES	
10	If NH section proposed to be taken up by NHAI on BOT basis a clause in para17 to be inserted in the agreement. "The permitted Highway on which license has been granted the right of way to the concession sgreement for up gradation of section from 9.3/12 km, operate and transfer Basis and therefore,the license shall honour the same	NA	
11	Who will supervise the work of laying of 110kv EHV Cable	TANTRANSCO	
12	Who will ensure that the defects in road portion after laying of 110kv EHV cable are corrected and if not corrected then what action will be taken	TANTRANSCO, Superintending Engineer, GCC, Periyamilaguparai, Trichy 620001.	
13	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire	TANTRANSCO, Superintending Engineer, GCC, Periyamilaguparai, Trichy-620001.	
14	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed)issued vide ministry circular No.RW/NH/33044/29/2015-S&R (R)dated 22.11.2016	NA	
15	If any previous approval is accorded for laying of cable then photocopy of register of records of permissions accorded as maintained by PD (as per Ministry Circular NO. RW/NH/33044/17/2000/S&R dated 23.7.2003 & 06.08.2013)as referred in para 13 above is enclosed or not.		

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TANTRANSCO
TRICHY - 620 020


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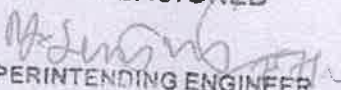

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NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU-TRICHY - 620 001. 6/15

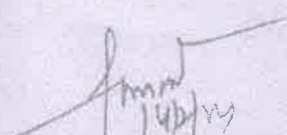
Proposal for Laying of 110KV EHV UG cable along the NH-38 (TRICHY to MELUR ROAD) KM 0/0 to KM 2/243
BY Open Cut Trench and Trenchless (HDD) Method
GENERAL TO ACCOMPANY ALL PROPOSALS
CHECK LIST

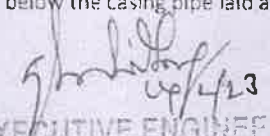
S.NO	ITEMS	REMARKS
1	Whether the site plan is drawn to a scale of 1:2500 or 1:1000	NTS
2	Whether the details for 100m either side of the utility laying have been furnished	NA
3	Does the plan is shown in full	
	a.NH Boundry line with distance from center line of the road marked at salient points where the land width is changing and also at 100m interval	Yes
	b.The berm , line distance from center line at 100m intervals and also salient points of change widths of NH land	Yes
	c.Center line of pavement and psrent edger	Yes
	d.Median if any marked to scale	NA
	e.The locations of the utility line of proposal with change showing exact location and distance from NH center line	NA
	f. the existing culverts/drainage works with diversion	Yes
A	Purpose of the proposal in details	for power transmission
B	Exact location of the proposal	NH-38 (TRICHY to MELUR ROAD) KM 0/0 to KM 2/243 BY Open Cut Trench and Trenchless (HDD) Method
C	Whether the applicant is private agency or Govt agency	M/s TANTRANSCO
D	Any time schedule fixed for completion of the proposal made	As quickly as possible
E	Reason why the proposal could not be accommodated outside	Not feasible
F	Whether any other location other then this difficult of costly	Not possible
G	Whether the proposal, if implemented now will affect any likely	No
H	Whether the proposal,if implemented , will affect the design	No
I	Whether the proposal,if implemented now will affect any likely future improvement,such as improvements in geometric	No
J	If there any proposaal for improvement,in this stretch of likely to be	No

Condition

- 1) The pipe lines should not be placed longitudinally for considerable length along NH
- 2) The crossing of cables shall be square in it normal to NH
- 3) Existing drainage structures shall not be used to carry the cable unless specifically permitted by the Govt.of India.
- 4) Cable should be provided with the casing pipe of larger dia and with 0.3M bedding below the casing pipe laid across the road

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CHECK LIST

Annexure to accompany proposal such as Laying of utility service like Pipelines, Underground cable along and across national highways/state highways

(A) LAYING OF UTILITY ALONG NATIONAL HIGHWAYS/STATE HIGHWAYS

1	Whether the utility line is as close to the extreme edges of the way as possible? Not reason thereof (distance should be clearly note) at salient points and at close interval	Not possible
2	whether the utility line is 15m away from reasons thereof (distance should be clearly noted)at salient points and at close intervals	Shown in sketch
3	Does the proposal run over existing culverts and bridges at any place,if yes give reason why it can't be avoided	Yes
4	Does the proposal cover the area where the road formation is in double cutting	No
5	Will the proposal interfere with the maintenance of NH at any time by its execution if permitted	No
6	Wheather the C/S of utility line runs along NH is given in the drawing	No
	(a) Whether the top of U/G of cable line at least 0.6 m below G.I. will it obstruct the drainage roads this a proposal to lay on electric cable carrying HT line	No
	(b)If so, necessary certificate by the proposed that it will not have any dangerous effect on any th the bridge coponents and road safety for traffic	NA
7	Is this a proposal to lay on electric cable carrying HT LINE	Yes
	(a) if so, necessary certificate by the proposed that it will not have any dangerous on effect on any at the bridge components and roadways for traffic	No

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(B) LAYING OF U/G OF CABLE ACROSS NH/SH

1	Chainage at which it crossed the NH/SH	Yes
2	Does the proposal cross the NH/SH on a line normal to it	Yes
3	If the proposal for irrigation purpose? If so the concurrence if revenue department has been enclosed	NO
4	Whether there is any structure existing within 15m from crossing? If so, the details of structure	NO
5	Will the proposal interfere with the maintenance of NH at any time	NO

(C) METHOD OF CASING PIPE

1	Does it pass through special conduit or other structures built for this purpose	NA
2	Does it use any of the existing drainage	NA
3	Whether the conduit pipes have been encased?	NA
4	The details of casing pipes such as its dia, material etc	NA
5	Whether the ends of casing or conduit pipes are sealed from outside so that it may not act as drainage path	NA
6	Does the casing / conduit pipe extend from drain to drain, it this is cut or from the toe or slope to toe of slope in case if this is full	NA
7	Whether the top of casings, conduits pipe is 1.2M below the road level subject to the conditions that it lies at least 0.5 m below the drain inverts	NA

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(D) METHOD OF LAYING

1	Will the cable be installed under road embarkment by boring or trench method?(in case of C.C road or dense bituminous concrete road boring methods should be aadopted	Along the road by trenching and across the road by HDD method
2	If trench method is adopted	
	a)Are the sides of the trench nearly vertical?	Yes
	b)What is the width of trench? Is it not less then 30cms and not more that 60cms than the outer dia.of the casing pipes	NA
	c)Does it consists of granular material or other good materials so give a film surface	NA
	d)Are above details shown in the sketch	NA
	e)Whether the back fill shall be completed in 3 stages	NA
	f)Whether the side fill consist of good material and whether will it be completed to 95 of its Pre density	NA
	g)Whether the road will be restored to its original stage?	NA
	h)Whether all the precautions will be taken during execution	Yes
	i)Whether the party to meet the cost of restoring the road of its original position	Yes

CERTIFICATE

1. This proposal when implemented will not affect the design stability and traffic safety of NH
- 2.This proposaal implemented now, will not affect any likely future improvements to geometrics
3. There is no proposal for improvments in this stretch likely to be sanctioned near future
- 4.The proposal is in accordance with the government of India's specification

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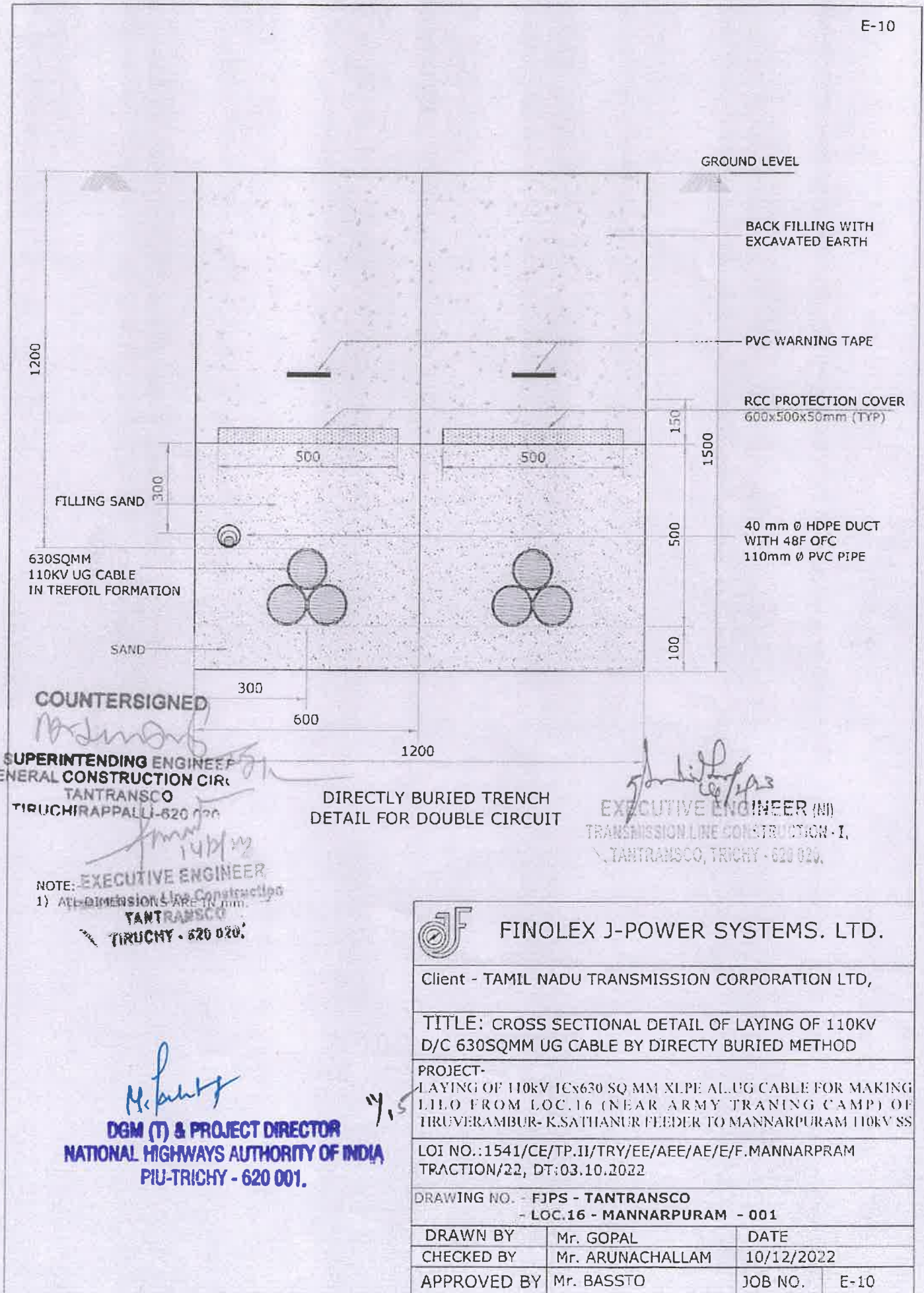
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E-10



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Client - TAMIL NADU TRANSMISSION CORPORATION LTD,

TITLE: CROSS SECTIONAL DETAIL OF LAYING OF 110KV D/C 630SQMM UG CABLE BY DIRECTY BURIED METHOD

PROJECT-
LAYING OF 110KV 1Cx630 SQ MM XLPE AL UG CABLE FOR MAKING LHO FROM LOC.16 (NEAR ARMY TRAINING CAMP) OF THIRUVERAMBUR- K.SATHANUR FEEDER TO MANNARPURAM 110KV SS

LOI NO.:1541/CE/TP.II/TRY/EE/AEE/AE/E/F.MANNARPRAM TRACTION/22, DT:03.10.2022

DRAWING NO. - FJPS - TANTRANSCO - LOC.16 - MANNARPURAM - 001

DRAWN BY	Mr. GOPAL	DATE
CHECKED BY	Mr. ARUNACHALLAM	10/12/2022
APPROVED BY	Mr. BASSTO	JOB NO. E-10

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TANTRANS
TIRUCHIRAPPALLI

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SECTION 319A
NSIC TARIFF IN WADU TRANSMISSION CORPORATION LTD,

SECTIONAL DETAIL OF LAYING OF 110KV D/C 630SQMM UG
CABLE FOR ROAD CROSSING BY OPEN CUT METHOD

PROJECT-
LAYING OF 110KV 1C8630 SQ.MM XLPE ALUG CABLE FOR
MAKING LHO FROM LOC.16 (NEAR ARMY TRAINING CAMP) OF
TRIVERAMBUR- K.SATHIANUR FEEDER TO MANNARPURAM
110KV SS

LOI NO.:1541/CE/TP.II/TRY/EE/AEE/AE/E/F.MANNARPRAM
TRACTION/22, DT:03.10.2022

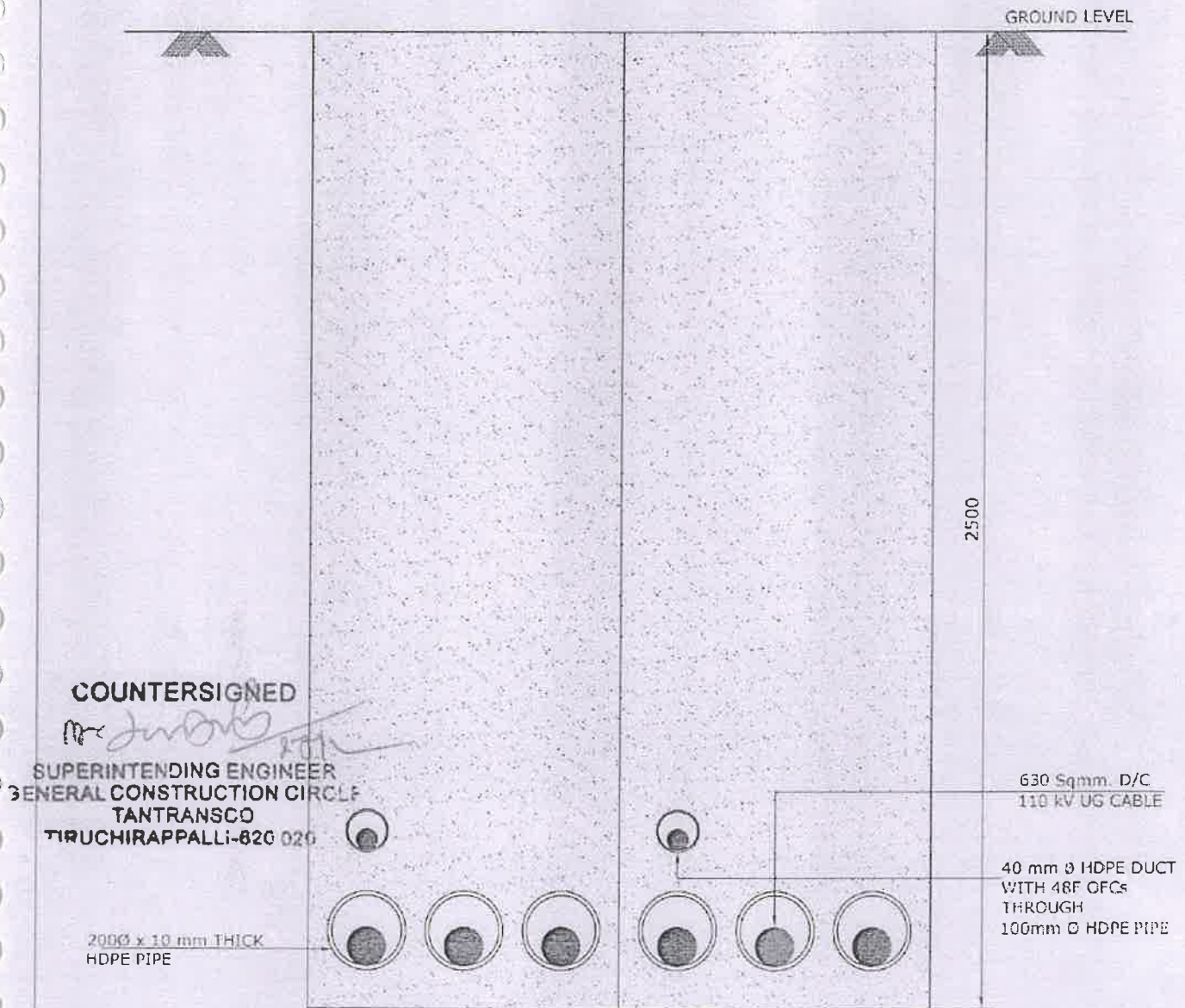
DRAWING NO. FJPS - TANTRANSCO
- LOC.16 - MANNARPURAM -002

DRAWN BY	Mr GOPAL	DATE	
CHECKED BY	Mr. ARUNACHALLAM	10/12/2022	
APPROVED BY	Mr BASSTO	JOB NO	E-10

DGM (T) & PROJECT DIRECTOR
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12/15

E-10



TRENCHLESS (HDD) METHOD DETAIL

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NOTE:-

1) ALL DIMENSIONS ARE IN mm

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PIU-TRICHY - 620 001.



FINOLEX J-POWER SYSTEMS. LTD.

Client - TAMIL NADU TRANSMISSION CORPORATION LTD,

TITLE: CROSS SECTIONAL DETAIL OF LAYING OF 110KV D/C 630SQMM UG CABLE BY TRENCHLESS METHOD

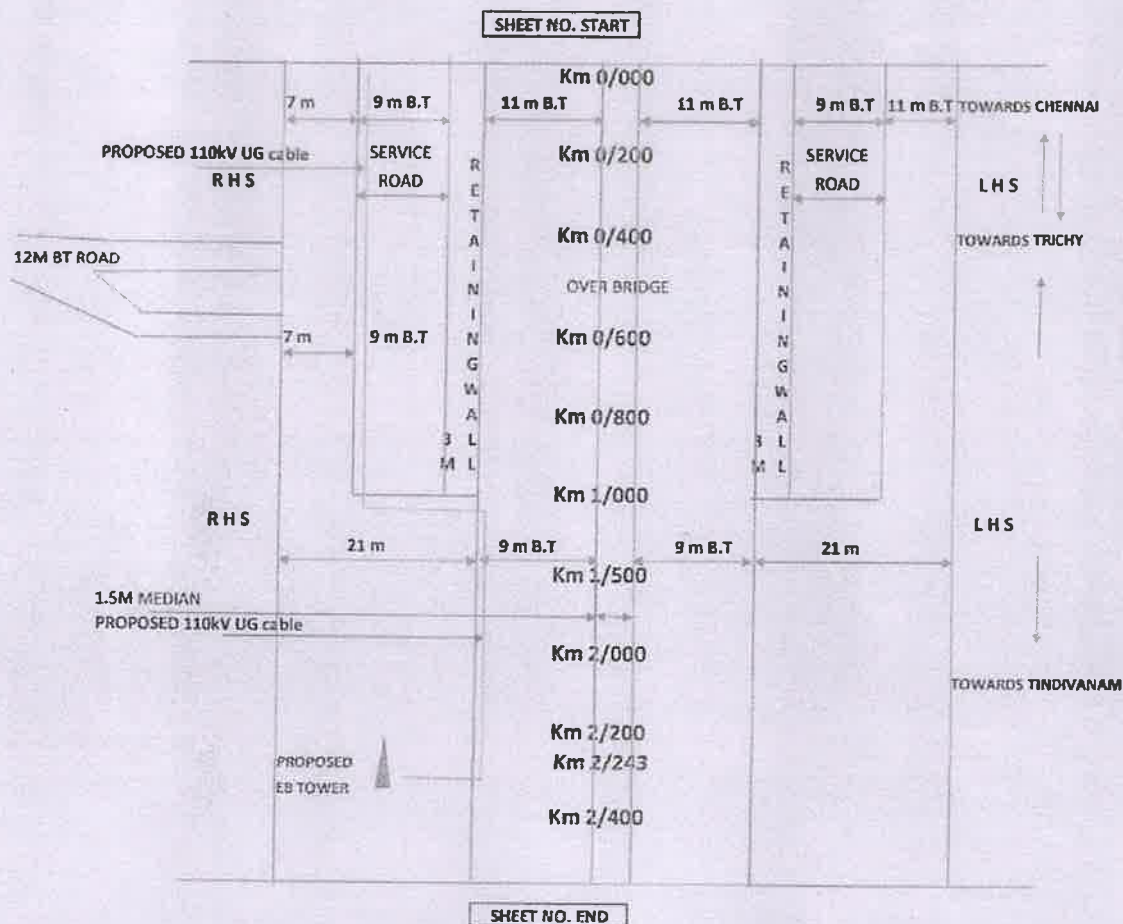
PROJECT-
LAYING OF 110KV 1C X 630 SQ MM XLPE AL UG CABLE FOR MAKING LILLO FROM LOC.16 (NEAR ARMY TRAINING CAMP) OF TIRUVERAMBUR - K SATHANUR FEEDER TO MANNARPURAM 110KV SS

LOI NO. :1541/CE/TP.II/TRY/EE/AEE/AE/E/F.MANNARPRAM TRACTION/ 22, DT:03.10.2022

**DRAWING NO. FJPS - TANTRANSCO
- LOC.16 - MANNARPURAM - 02A**

Drawn by	Mr. GOPAL	Date
Checked by	Mr. ARUNACHALLAM	10/12/2022
APPROVED BY	Mr. BASSTO	JOB NO. E-10

**LAYING OF 110 KV UG CABLE (TANTRANSCO) LINE AT NH 38 FROM 00/00 KM TO 2/243 KM ALONG RHS BY OPEN CUT
TRENCH AND TRENCHLESS (HDD) METHOD**



TOTAL LENGTH = 2243M OPEN TRENCH AND TRENCHLESS (HDD) METHOD

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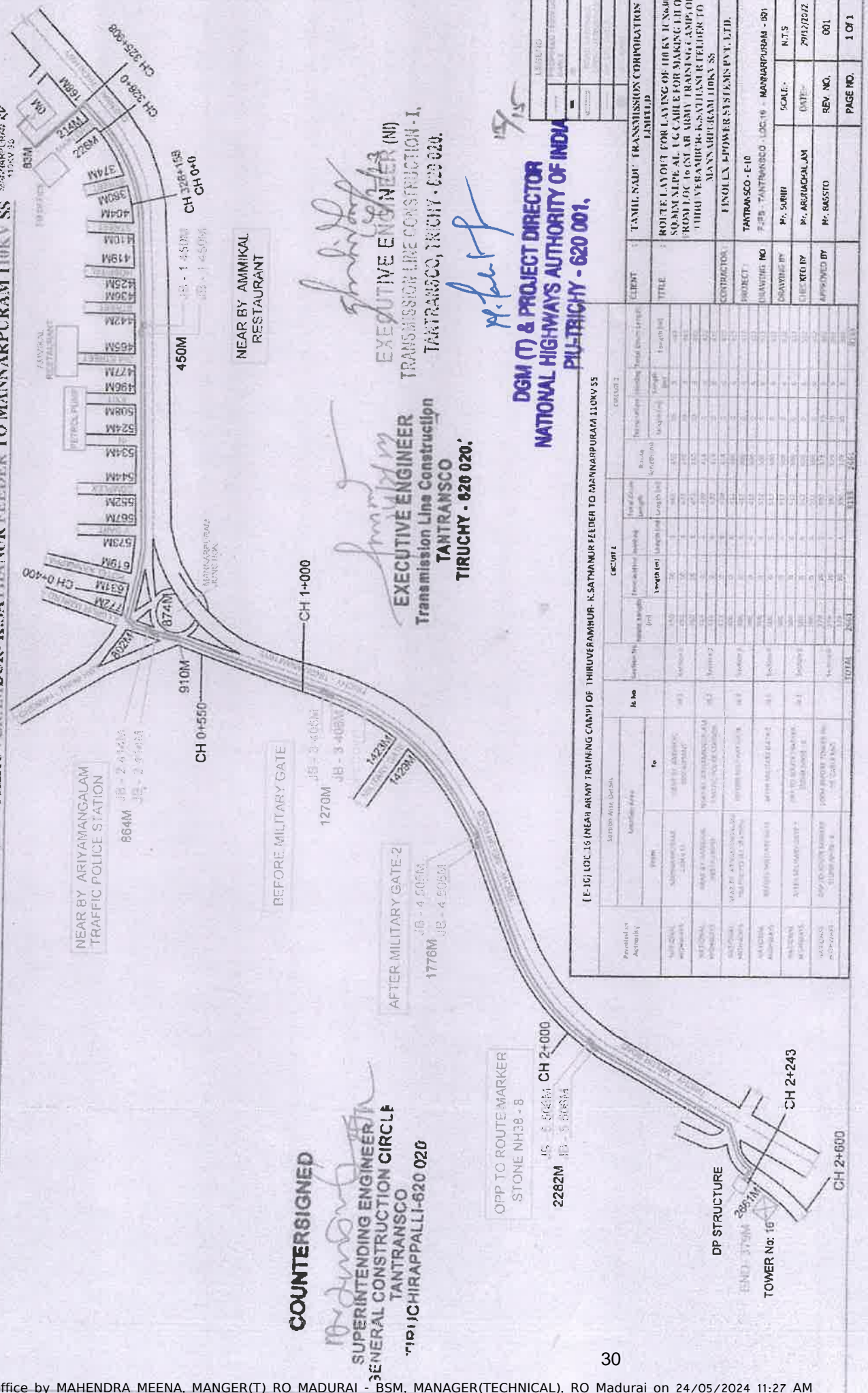
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SUPERINTENDING ENGINEER
GENERAL CONSTRUCTION CIRCLE
TANTRANSCO
TIRUCHIRAPPALLI-620 020

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EXECUTIVE ENGINEER
Transmission Line Construction
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EXECUTIVE ENGINEER (N)
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DGM (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU-TRICHY - 620 001.

ROUTE LAYOUT FOR LAYING OF 110 KV 1CX630 SQ.MM XLPE AL. UG CABLE FOR MAKING LILO FROM
LOC.16 (NEAR ARMY TRAINING CAMP) OF THIRUVERAMBUR-K SATHANUR FEEDER TO MANNADUR. 12.12.2018





தமிழ்நாடு தமில்நாடு TAMIL NADU

22AC 347068

1 FEB **UNDERTAKING**

SUBJECT: Permission for laying of 110 KV UG cable at NH-38 KM 0/0 to KM 2/243 Along RHS by open cut trench and trenchless (HDD) method.

M/s TANTRANSCO, Trichy Region, Trichy – 620001.

Stamp Vendor
L. No: 4403/93
District Court
Trichy, T. Nadu.

We M/s TANTRANSCO, General Construction Circle, Periyamilaguparai, Trichy – 620001.

Here by agreed that

1. We undertake that we will pay the fee/rent as mentioned in the Ministry's circular No.RW/NH-33044.29/2015-S&R (R) dated 22.11.2016 as and when asked by the NHAI.
2. We will pay a track rent as per the NHAI circular and conditions will be paid in advance before executing the License Agreement.
3. We will pay a Security Deposit for an amount of Rs.100/RM for laying along the road in the form of BG validity up to 1 years from the date of license Agreement in case of widening of the road (or) any other purpose.


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4. We will shift at our own cost if requested by the Department in case of widening of the road (or) any other purpose.
5. We do undertake that we will relocate utilities at our own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for future six – lane or any other department.
6. We do here by under taken that necessary alternation including complete removal/shifting of the EB CABLE shall be carried out at own cost if so required by the ministry for the development of National Highway or in the interest of safety in this section.
7. We do hereby agree that wherever ROW is not available (restricted to the toe the embankment cable laying will be done in private land).
8. We also hereby undertake that we shall not lay any other EB CABLE companies cable along with ours during the execution of our work.
9. We also undertake that the Traffic Movement will be managed by us during the laying of the EB cable.
10. We also undertake that we shall pay any claims raised by the contractor concessionaire with respect the damages due to work.
11. Further we undertake that
 - a. Not to damage to other utility, if damaged then to pay losses either to NHAI or to the concerned agency.
 - b. Renewal of bank Guarantee then and there as required.
 - c. Conforming all standard condition of NHAI guidelines.
 - d. Shifting of EB CABLE as and when required by NHAI.
 - e. Shifting due to 6 laying/widening of NH.
 - f. Indemnity against all damages and claims clause (XV).

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தமிழ்நாடு தமில்நாடு TAMILNADU

DA 428421

- 1 FEB 2023

N. Aishwarya
N. AISHWARYA S.E.
Stamp Vendor
No. 14/2021/TRY
TRICHY - Nadu.

Enclosure to Ministry of Road Transport & Highways letter No.33044/29/2015/S&R (R) dated 22.11.2016

**AGREEMENT REGARDING GRANTING OF
RIGHT OF WAY PERMISSIONS
FOR LAYING UTILITY SERVICES ON NATIONAL HIGHWAYS**

Agreement to lay cable / OFC cable / electrical cable / pipe line/ ducts etc., along the Trichy - Melur road from NH-38 Km 0/0 to Km 2/243 for a length of 2243m on RHS by open trench and trenchless (HDD) method.

This Agreement made this _____ day of _____ (month) _____ (Year) between _____ acting in his executive capacity through _____ (hereinafter referred to as the "Authority" which expression shall unless excluded by or repugnant to the context, include his successors in office and assigns) on the one part, and M/s.TANTRANSCO, a company registered under the Companies Act, 1956 and having its Registered Office at TANTRANSCO, Superintending Engineer, GCC, Periyamilaguparai, Trichy-620001 (hereinafter called the "Licensee") which expression shall unless excluded by repugnant to the context, include his successors/administrator assignees on the second part.

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Whereas the Authority is responsible, inter-alia for development and maintenance of lands in Km 0/0 to Km 2/243 of NH-38 ROW.

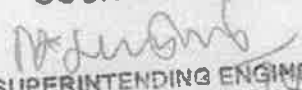
Whereas the Licensee proposes to lay Telecom cable / OFC cable / electrical cable / pipe line / ducts etc. referred to as utility services in subsequent paras.

Whereas the Licensee has applied to the Authority for permission to lay utility services along the Trichy - Melur road from NH-38 Km 0/0 to Km 2/243 for a length of 2243m on RHS by open trench and trenchless (HDD) method road/route.

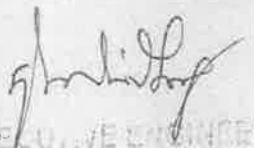
And whereas the Authority has agreed to grant such permission for way leave on the NH ROW as per terms and conditions hereinafter mentioned.

Now this agreement witnesses that in consideration of the conditions hereinafter contained and on the part of the Licensee to be observed and performed, the Authority hereby grants to the Licensee permission to lay utility services as per the approved drawing attached hereto subject to the following conditions, namely.

1. ROW permissions are only enabling in nature. The purpose of extending the way leave facility on the National Highway ROW is not for enhancing the scope of activity of a utility service provider, either by content or by intent. Further, enforceability of the permission so granted shall be restricted only to the extent of provisions/scope of activities defined in the license agreement & for the purpose for which it is granted.
2. No Licensee shall claim exclusive right on the ROW and any subsequent user will be permitted to use the ROW, either above or below, or by the side of the utilities laid by the first user, subject to technical requirements being fulfilled. Decision of the Authority in relation to fulfillment of technical requirements shall be final and binding on all concerned parties. In case any disruption/damage is caused to any existing user by the subsequent user, the Authority shall not be held accountable or liable in any manner.
3. The Licensee shall be responsible for undertaking all activities including, but not limited to site identification, survey, design, engineering, arranging finance, project management, obtaining regulatory approvals & necessary clearances, supply of equipment, material, construction, erection, testing and commissioning, maintenance and operation and all other activities essential or required for efficient functioning of their own utility/ industrial infrastructure facilities.

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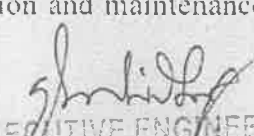

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4. The Licensee shall pay license fees @ Rs/sq m/month to the Authority. The License fee shall become payable from the date of handing over of ROW land to the Licensee, for. Laying of utilities/cables/conduits/pipelines for infrastructure/service provider. As regards Tariff and Terms and conditions for providing common utility ducts along National Highways, there shall be a separate agreement regime.
5. Fee shall have to be paid in advance for the period for which permission is granted for entering into a license agreement. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
6. Present policy of the MoRT&H is to provide a 2.00 m wide utility corridor on either side of the extreme edge of ROW. In cases where utility ducts with sufficient space are already available along NH, the utility services shall be laid in such ducts subject to technical requirements being fulfilled.
7. The utility services shall be laid at the edge of the ROW. In case of restricted width of ROW, which may be adequate only to accommodate the carriageway; central verge, shoulders, slopes of embankment, drains, other road side furniture etc; the utility services shall be laid beyond the toe line of the embankments and clear of the drain.
8. The Licensee shall make his own arrangement for crossing of cross drainage structure, rivers, etc. below the bed. In case, this is not feasible, the utility services may be carried outside the railings/parapets and the bridge superstructure. The fixing and supporting arrangement with all details shall be required to be approved in advance from the concerned Highway Administration. Additional cost on account of fixing and supporting arrangement as assessed by the Authority shall be payable by the Licensee.
9. In exceptional cases, where ROW is restricted the utility services can be allowed beneath the carriageway of service road, if available, subject to the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct shall not be less than one lane. In such cases, it also needs to ensure that maintenance of the utility services shall not interfere with the safe and smooth flow of traffic. The cost of operation and maintenance will have to be borne by the Licensee.

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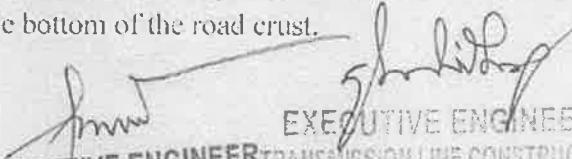

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TIRUCHY - 620 020


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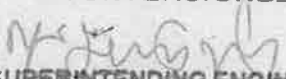
10. It is to be ensured that at no time there is interference with the drainage of the road land and maintenance of the National Highways. Towards this, the top of the utility services shall be at least 0.6 meter below the ground level. However, any structure above ground shall be aesthetically provided for / landscaped with required safety measures as directed by the concerned Authority:
11. The utility services shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing / conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry.
12. Existing drainage structures shall not be allowed to carry the lines across.
13. The top of the casing/conduit pipe containing the utility services to cross the road shall be at least 1.2m below the top of the sub grade or the existing ground level whichever is lower, subject to being at least 0.3m below the drain inverts. A typical sketch showing the clearances is given in Attachment-I.
14. The utility services shall cross the National Highway preferable on a line normal to it or as nearly so as practicable.
15. The casing/conduit pipe for crossing the road may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.
16. In case of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30 cm. but not more than 60cms wider than the outer diameter of the pipe. Filling of the trench shall conform to the specifications contained here-in-below or as supplied by the Highway Authority.
 - a. Bedding shall be to a depth not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles, and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edges should be excavated and replaced by selected material.
 - b. The backfill shall be completed in two stages (i) Side-fill to the level of the top of the pipe (ii) Overfill to the bottom of the road crust.

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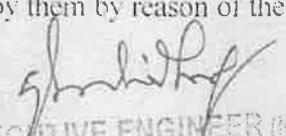
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- c. The side fill shall consist of granular material laid in 15 cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.
- d. The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highway Authority.
17. The Licensee shall ensure making good the excavated trench for laying utility services by proper filling and compaction, so as to restore the land in to the same condition as it was before digging the trench, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way:
All required restoration work subsequent to laying of the cable shall be required to be undertaken by the Licensee at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards.
18. Prior to commencement of any work on the ground, a performance Bank Guarantee @ Rs. per route meter / Rs per sq m with a validity of one year initially (extendable if required till satisfactory completion of work) shall have to be furnished by the Licensee to the Authority/its designated agency as -a security against improper restoration of ground in terms of filling/unsatisfactory compaction damages caused to other underground installations/utility services & interference, interruption, disruption or failure caused thereof to any services etc. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.
19. In case, the Performance Bank Guarantee is invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required Performance Bank. Guarantee within one month of such invoking. In case the work contemplated herein is not completed to the satisfaction of the Authority, which has granted the permission, within a period of 11 months from the date of -issue of the Bank Guarantee, the Licensee shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. Notwithstanding this, the Licensee shall be liable to pay full compensation to the aggrieved Authority/ its designated agency for any damage sustained by them by reason of the exercise of the ROW facility:

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20. The Licensee shall shift the utility services within 90 days (or as specified by the respective Authority) from the date of issue of the notice by the concerned Authority to shift/relocate the utility services, in case it is so required for the purpose of improvement/widening of the road/route/highway or construction of flyover/bridge and restore the road/land to its original condition at his own cost and risk.
21. The Licensee shall be responsible to ascertain from the respective agency in co-ordination with Authority, regarding the location of other utilities /underground installations/ facilities etc. The Licensee shall ensure the safety and security of already existing underground installations / utilities / facilities etc. before commencement of the excavation/using the existing cable ducts. The Licensee shall procure insurance from a reputed insurance company against damages to already existing underground installations/utilities/facilities etc.
22. The Licensee shall be solely responsible / liable for full compensation/indemnification of concerned agency / aggrieved Authority for any direct, indirect or consequential damage caused to them/claims or replacements sought for, at the cost and risk of the Licensee. The concerned agency in co-ordination with Authority shall also have a right make good such damages/ recover the claims by forfeiture of Bank Guarantee.
23. If the Licensee fails to comply with any condition to the satisfaction of the Authority, the same shall be executed by the Authority at the cost and risk of the Licensee.
24. Grant of License is subject to the Licensee satisfying (a) minimum disruption of traffic and (b) no damage to the highways. As far as possible, the Licensee should avoid cutting of the road for crossing highway, and other roads and try to carry out the work by trenchless technology. In case any damage is caused to the road pavement in this process, the Licensee will be required to restore the road to the original condition at its cost. If due to unavoidable reasons the road needs to be cut for crossing or laying utility services, the Licensee has to execute the restoration work in a time bound manner at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank. Guarantee

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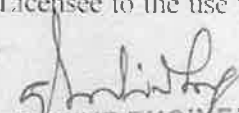

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25. The Licensee shall inform /give a notice to the concerned agency designated by the Authority at least 15 day in advance with route details prior to digging trenches, for fresh or maintenance/repair works. A separate performance Bank Guarantee for maintenance/repair works shall have to be furnished by the Licensee.
26. Each day, the extent of digging the trenches should be strictly regulated so that utility services are laid and trenches filled up before the close of the work that day. Filling should be completed to the satisfaction of the concerned agency designated by the Authority.
27. The licensee shall indemnify the concerned agency in co-ordination with Authority, against all damages and claims, if any due to the digging of trenches for laying cables/ducts.
28. The permission for laying utility services is granted maximum for 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be renewed, unless defaults exist. in case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
29. The permission shall be valid only for the period it is issued and fee deposited. However, the Authority also has a right to terminate the permission or to extend the period of Agreement.
30. That the Licensee shall not undertake any work of shifting, repairs or alterations to the utility services without prior written permission of the concerned agency in coordination with the Authority.
31. The permission granted shall not in any way be deemed to convey to the Licensee any ownership right or any interest in route/road/highway land /property, other than what is herein expressly granted. No use of NH ROW will be permitted for any purpose other than that specified in the Agreement.
32. During the subsistence of this Agreement, the utility services located in highway land / property shall be deemed to have been constructed and continued only by the consent and permission of the Authority so that the right of the Licensee to the use thereof shall not become absolute and indefeasible by lapse of time.

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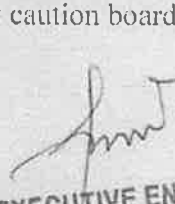

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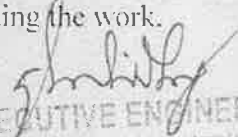

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33. The Licensee shall bear the Stamp Duty charged on this Agreement.
34. Three copies. Of 'as laid drawings' of utilities (hard and soft copies) with geo-tagged photographs and geo-tagged video recordings of laying of cables in the trench (with respect to the NH) and after complete restoration shall be submitted to the Authority for verification and record within a month of completion of Works.
35. The Licensee shall allow free access to the Site at all times to the authorized representatives of Authority to inspect the Project Facilities and to investigate any matter within their Authority, and upon reasonable notice, shall provide reasonable assistance necessary to carry out their respective duties and functions.
36. The utility services shall not be made operational by the Licensee unless a completion certificate to the effect that the utility services has been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfaction of the concerned agency in co-ordination with the Authority has been obtained. Notwithstanding anything contained herein, this Agreement may be cancelled at any time by Authority for breach of any condition of the same and the Licensee shall neither be entitled to any compensation for any loss caused to it by such cancellation nor shall it be absolved from any liability already incurred.
37. The Licensee shall ensure adherence to relevant Indian standards and follow best industry practices, methods and standards for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation, repair and maintenance of any part of the utility lines/industrial infrastructure facilities and which practices, methods and standards shall be adjusted as necessary, to take account of:
- a. operation, repair and maintenance guidelines given by the manufacturers,
 - b. the requirements of Law,
 - c. the physical conditions at the Site, and
 - d. The safety of operating personnel and human beings.
38. The Licensee shall have to provide safety measures like barricading, danger lighting and other necessary caution boards while executing the work.

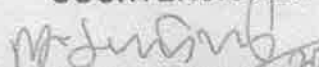
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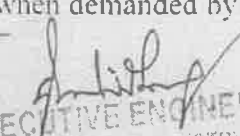

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39. The Licensee shall have to provide safety measures like barricading, danger lighting and other necessary caution boards while executing the work.
40. While laying utility services, at least one lane of road shall be kept open to traffic at all times. In case of single lane roads, a diversion shall be constructed. If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of Licensee.
41. After the termination/expiry of the agreement, the Licensee shall remove the utility services within 90 days and the site shall be brought back to the original condition failing which the Licensee will lose the right to remove the utility services. However before taking up the work of removal of utility services the Licensee shall furnish a Bank Guarantee to the Authority for a period of one year for an amount assessed by the Authority as a security for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation of trenching at least 50m away from the edge of the ROW.
42. Any disputes in interpretation of the terms and conditions of this Agreement or their implementation shall be referred to the redress mechanism prevailing in the Ministry and the decision of the redress mechanism shall be final and binding on all.
43. For PPP Projects, in case of any financial loss incurred by the respective project concessionaires due to such laying/shifting of utility services by the Licensee, compensation for the same shall be required to be borne by the Licensee in mutual agreement with the respective project concessionaires. MoRT&H/ NHAI/implementing authorities for the project shall not be liable to the concessionaire in any way in this regard.
44. The Licensee should pay the rent / fee as and when demanded by NHAI.

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This agreement has been made in duplicate, each on a Stamp Paper; each party to this Agreement has retained one stamped copy each.

IN WITNESS WHEREOF THE PARTIES HERETO HAVE CAUSED THIS AGREEMENT TO BE EXECUTED THROUGH THEIR RESPECTIVE AUTHORISED REPRESENTATIVES THE DAY AND THE YEAR FIRST ABOVE WRITTEN.

SIGNED SEALED AND DELIVERED FOR AND ON BEHALF OF AUTHORITY.

BY SHRI _____

(Signature, name & address with stamp)

SIGNED ON BEHALF OF M/s.TANTRANSCO, Superintending Engineer,

GCC, Periyamilaguprai, Trichy-620001(LICENSEE)

BY SHRI _____

(Signature, name & address with stamp)

HOLDED OF GENERAL POWER OF ATTORNEY DATED _____

EXECUTED IN ACCORDANCE WITH THE RESOLUTION NO. _____

DATED _____ PASSED BY THE BORD OF DIRECTORS IN THE

MEETING HEAD ON

IN THE PRESENCE OF (WITNESSES):

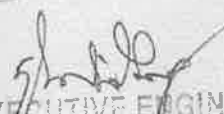
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**ROUTE LAYOUT FOR LAYING OF 110 KV 1CX630 SQ.MM XLPE AL. UG CABLE FOR MAKING LILO FROM
LOC.16 (NEAR ARMY TRAINING CAMP) OF THIRUVERAMBUR-K.SATHANUR FEEDER TO MANNARPURAM 110KV SS**

