



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/15018/3.7/06/2023/RO Madurai/E:243022/595

21st May, 2024

INVITATION OF PUBLIC COMMENTS

विषय: भाराराप्रा - क्षे.का. मदुरै- पकाई, तंजावुर - Request for Permission to Erection of 110KV DC Line on DC Towers with Panther conductor by making LILO of the existing Neyveli - Viluppuram 110KV line feeder-I at the proposed Nellithoppu 110/22 KVSS Permission to lay EHT Tower 2 Nos at Km 36+058 (BHS) on (Vikravandi - Sethiyathope section) NH-45C in the limits of National Highways - Invitation of Public Comments - Reg.

प्रसंग: PD, Thajavur Lr. No. NHAI/PIU/Thanj/11021/123/2024/633 dated 07.03.2024.

The proposal received from PD, Thanjavur vide Lr. No. NHAI/PIU/Thanj/11021/123/2024/633 dated 27.03.2024 there by requesting Permission to Erection of 110KV DC Line on DC Towers with Panther conductor by making LILO of the existing Neyveli - Viluppuram 110KV line feeder-I at the proposed Nellithoppu 110/22 KVSS Permission to lay EHT Tower 2 Nos at Km 36+058 (BHS) on (Vikravandi - Sethiyathope section) NH-45C as per proposal submitted by SE, GCC, 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.

भवदीय

C. Raghul
21/5/24

(सी. राहुल | C.Raghul)

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, Thanjavur- for information.

List of Correspondences							
Receipt No. / Issue No.	Subject	Type	Marked As	Attached On	Issued On	Pages	Remarks
E 916758/2024/PIU- THANJAVUR	Request for Permission to Erection of 110KV DC Line on DC Towers with Panther conductor by making LILO of the existing Neyveli – Viluppuram 110KV line feeder-I at the proposed Nellithoppu 110/22 KVSS Permission to lay EHT Tower 2 Nos at Km 36+058 (BHS) on (Vikravandi - Sethiyathope section) NH- 45C in the limits of National Highways – Approval requested	Receipt		12/03/2024 04:44 PM		1-29	Enclosed



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सडक परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

(Ministry of Road, Transport & Highways, Government of India)

Office of the Project Director, Project Implementation Unit,

No. 54, Natarajapuram North Colony,

Medical College Road, Thanjavur - 613 004, Tamilnadu.

टेलीफोन / Telephone : 04362 - 246473, 241777

ई-मेल / E-mail : tanjavor@nhai.org, tanjavor_nhai@yahoo.co.in

वेब / Web: www.nhai.gov.in



No.NHAI/PIU/Thanj/11021/123/2024/ 633

Dated 07.03.2024

To

The Regional Officer,
National Highways Authority of India,
2nd & 3rd Floor Vijaya Krishna Plaza
No.1 lake Area Madurai
Melur main Road
Madurai

Sub: National Highways Authority of India-PIU-Thanjavur- Request for Permission to Erection of 110KV DC Line on DC Towers with Panther conductor by making LILO of the existing Neyveli - Viluppuram 110KV line feeder-I at the proposed Nellithoppu 110/22 KVSS Permission to lay EHT Tower 2 Nos at Km 36+058 (BHS) on (Vikravandi - Sethiyathope section) NH-45C in the limits of National Highways - Approval requested - reg.

Ref: 1. SE, GCC Trichy Lr.No.0054/SE/GCC/Trj/AEE/GL/DB/AE/C/F.T.2197 Nellithoppu 110KV Line NH Crossing dated 09.01.2024 (received on 12.01.2024)
2. MORTH NOC Portal ref.No.20240119/1/4/22719/4434 Dated 07.03.2024
3. This office ref.No.NHAI/PIU/Thanj/11021/31/2009/145 Dated 12.01.2024
4. Team Leader M/s.Theme Engineering Services Neyveli Lr.No.Theme/NHAI/AE-VPS/F-006/2023-24/3207 Dated 03.02.2024

Sir,

It is to submit that the Superintending Engineer, GCC, Trichy vide reference 1st & 2nd cited has submitted proposals for Erection of 110KV DC Line on DC Towers with Panther conductor by making LILO of the existing Neyveli - Viluppuram 110KV line feeder-I at the proposed Nellithoppu 110/22 KVSS Permission to lay EHT Tower 2 Nos at Km 36+058 (BHS) on (Vikravandi - Sethiyathope section) NH-45C.

2. Vide this office reference 3rd cited, Authority Engineer M/s.Theme Engineering Services has been requested to inspect and report on the submitted proposal. The IE has submitted the report vide reference 4th cited and the same is enclosed herewith.

3. The proposal is examined as per Ministry's Circular No. NH 111 / P / 66 / 76 dated 18/19.11.1976, RW/NH 33044/27/ 2005/ S&R(R) pt. dt. 06.08.2013, RW-NH/33024/29/2015/S&R(R) dt. 22.11.2016 and MORTH Lr.No.R.No.H-39011/16/2012-P&P Dated 02.04.2014 other circulars and the following observations are made:-

1. The Superintending Engineer, GCC, Trichy has proposed for Erection of Towers - 2nos on LHS & RHS of the National Highways for overhead crossing

28

Regional Office : Vijay Krishna Plaza, 2nd & 3rd Floor, No.1, Lake Area, Melur Main Road, Mattuthavani, Madurai - 625 007. Tel : 0452 - 2588999

Corporate Office : G-5 & 6, Sector - 10 Dwarka, New Delhi - 110 075. Tel. : 011 - 25074100 / 200

National Highways Authority of India

of 110Kv DC Line on DC Towers with Panther conductor by making LILo of the existing Neyveli - Viluppuram 110KV line feeder-I at the proposed Nellithoppu 110/22 KVSS Permission to lay EHT Tower 2 Nos at Km 36+058 (BHS) on (Vikravandi - Sethiyathope section) NH-45C. The Superintending Engineer, GCC, Trichy has mentioned that the Electrical Pole line will be laid at 1.65m below the G.L, which is more than the Ministry stipulation of minimum 1.20m below G.L as per norms of Ministry Circular.

2. Superintending Engineer, GCC, Trichy has proposed to Erection of Electrical Tower line near the extreme edge of ROW i.e in utility corridor.
3. The proposed location of Erection of Electrical Tower across the existing road of NH67 within the ROW at Km.36+058 (BHS).
4. There is a possibility of existence of underground utilities such as water pipeline, OFC Cables, etc along the existing road where the proposed erection of electrical cable is to be laid. It is the responsibility of Superintending Engineer, GCC, Trichy to obtain necessary clearances from the existing utility agencies (water pipeline, OFC Cables, etc). Also adequate safety arrangements shall be provided during the execution of Erection of HT Pole and 33/11KV work
5. Checklist and Drawings submitted by Superintending Engineer, GCC, Trichy are found in order
6. Erection of Tower line work shall be carried out in co-ordination with the representatives of Contractor and Authority Engineer with intimation to NHAI and existing Utility Agencies.
7. NHAI shall not be responsible for any damages caused to the power supply lines or by any activity of our side on the permitted highway.
8. Superintending Engineer, GCC, Trichy shall be responsible for shifting of the electrical line as and when required by NHAI at their own cost.
9. Superintending Engineer, GCC, Trichy will borne the expenditure if any incurred by NHAI in repairing of any damages caused to National Highway by erection of the lines and its maintenance.

dy

National Highways Authority of India

10. Superintending Engineer, GCC, Trichy will manage traffic movement during laying of power supply line in contact with concerned Police Authority.
11. Adequate safety arrangements shall be provided during the execution of Erection of Towers 2nos for overhead crossing of 110KV line feeder-I at the proposed Nellithoppu 110/22 KVSS.
12. The applicant has to submit an undertaking to NHAI for restoration of the excavated stretch to the normal condition without damages to the utilities such as drinking water lines, sewage lines, electrical cable and other OFC cables.
13. The levy fee and other conditions stipulated in the new circular of Ministry also have also been included in the undertaking.
14. The four laning work in the above stretch of Vikravandi - Sethiyathope section from Km 0.000 to Km 65.960 of NH45C (new No.36) is under construction.

A. Restoration Charges to be collected

Across in One location (1x100000) = Rs. 100000/-
Total = Rs.100000/-
(or) Say Rs. 1.00 lakh

B. License fee to be collected


Sl. No .	Description	Length in Meters	Width in Sqm	Area occupied in Sqm	Remarks
A	Across the Road Across at Km 36+058 (BHS)	120	8.60	516	
B	Total area to be utilized			516	
C	Circle Rate (guideline Value for the above area as on 01.04.2023 as recommended by Superintending Engineer, GCC, Trichy	The guideline value ranges from Rs.2800 Sq.m in Kadampuliyur village (Details are enclosed in annexure-A).			
D	License Fees Public Utility (Rs/sqm/month) = (Utilized NH land area x prevailing Circle rate of land per unit area X1.5 per annum subject to minimum of Rs.10000/ with 6% annual increment				

National Highways Authority of India

E	Total Amount for Public utilities			3973	
F	License fee for initial 5 years in Rs.= Total amount (Rs.3973x1.06%x5 years)			22396	

Hence the proposal of the Superintending Engineer, GCC, Trichy vide reference 1st & 2nd cited for Erection of 110KV DC Line on DC Towers with Panther conductor by making LILO of the existing Neyveli - Viluppuram 110KV line Feeder-I at the proposed Nellithoppu 110/22 KVSS Permission to lay EHT Tower 2 Nos at Km 36+058 (BHS) on (Vikravandi - Sethiyathope section) NH-45C in the limits of National Highways as detailed above may please be considered and approval may be accorded.

Encl: 1. Proposals (Original-2+Copy 1)
2. Copy of references.

Yours faithfully,

(P.Selva Kumar)
General Manager (Tech) &
Project Director.
NHAI - PIU - Thanjavur

Copy to: 1. Superintending Engineer, GCC Trichy for information.
2. Team Leader, M/s. Theme Engineering Neyveli for information
3. The Authorized Signatory M/s.Reliance Infrastructure L Neyveli for information

LICENSE FEES FOR PUBLIC UTILITY (Tower) (Rs/Sqm/Month)									
[Utilized NH Land area X prevailing Circel Rate of Land per unit area] / (10X12)]									
S.NO	Name of village	CHAINAGE IN KM		SIDE	CROSSING LENGTH (L) (m)	BASE AREA OF TOWER (M2)	UTILIZED NH LAND AREA (M2) (sq.m)	PREVAILING CRICLE RATE OF LAND PER UNIT AREA (sq.m) (Rs)	LICENSE FEE (PUBLIC UTILITY) (Rs)
		FROM	TO						
1	Kadampuliyur	Crossing at Km 36+058 (2nos)		RHS	60.0	4.30	258.000	2800	1987
				LHS	60.0	4.30	258.000	2800	1987
							516.000		3973
Total License Fee for Five years Rs.3973/-								FOR 01YEAR	3973
								02 YEAR	4211
								03 YEAR	4464
								04 YEAR	4732
								05 YEAR	5016
								TOTAL	22396

Lr.No.: Theme/NHA/IE-VPS/F-006/2023-24/3207

03rd February 2024

To

The General Manager (Tech) & Project Director,
National Highways Authority of India, PIU-Thanjavur,
No. 54, 1st Floor, Natarajapuram North Colony,
Medical College Road,
Thanjavur – 613004
☎: 04362 - 246473

Dear Sir,

NHA - PIU - THANJAVUR	
5 FEB 2024	
Dy No:	597
M/T	
LAO	
PA	/
SE/PS	/
SE/BB	
SE/AN	
SE/MS	

11021/31

05/02/24
M(T)

Sub	Consultancy Services for Authority's Engineer for Supervision of Four Laning from Km 0.000 to Km 60.250 (Design Chainage Km 0.000 to Km 65.960) from Vikravandi to Sethiyathope Section of NH-45C in the State of Tamilnadu under NHDP Phase-IV on EPC mode – Permission to erection of 110KV DC Towers wit panther conductor by making LILO of the existing Neyveli – Villupuram 110 KV line feeder-1 at the proposed Nellithoppu 110/22 KVSS permission to lay EHT Tower-2 Nos at KM 36+058 (BHS) on vikaravandi – sethiyathope on NH45C in the limits of National Highways – AE Remarks Submitted – Reg.
Ref	PD NHA Lr. No. NHA/PIU/Thanj/11021/31/2009/145 dated 21.01.2024

Kind attention is invited to the matter highlighted above, wherein the Project Director/NHA/Thanjavur, through letter cited in the reference, sought the Authority's Engineer's examination and feedback on the proposal presented by Superintending Engineer M/s. Tamil Nadu Transmission Corporation Limited, Trichy. The proposal pertains to the crossing arrangements for the 110KV Tower line at Km 36+058.

Following a Joint Site Inspection conducted on 01.02.2024, with Thiru. Manikannan/Assistant Engineer/TANTRANSCO, we present our observations and recommendations for your consideration:

1. The 110KV Feeder Line intersects the Project Highway at Km 36+058.
2. The minimum vertical clearance, as indicated in the provided drawings (11.50m), complies with the standards set forth in IRC-32-1969.
3. The EHT Towers are positioned on the Left-Hand Side (LHS) at 159m from the PCL, translating to 130m from ROW, and on the Right-Hand Side (RHS) at 28m from the PCL, approximately 02m from the ROW.

....Contd....

Regd Office: B-24, Gokul Vatika, Jawahar Circle, Jaipur-302018, Ph. No. +91-141-2724495-97 Fax- +91-141-2724491
E mail: theme@themeengineering.com, Website: www.themeengineering.com



In light of the above, we propose the issuance of a No Objection Certificate (NOC) for the crossing of the 110KV Feeder line at Km 36+058, in accordance with the Authority's guidelines. However, the approval is subject to the following conditions:

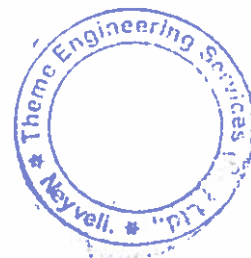
- The execution of EHT Line crossing works should not impede the progress of the Project construction.
- Comply with MoRTH Circular No. NOC enhancement/NIC/MoRTH/2022/1 dated 13.05.2022, directing all permission cases to be processed through the NHAI portal from 17.05.2022 onwards.
- Ensure strict adherence to the horizontal and vertical clearances specified in the drawings, including allowances for the anticipated sag of the Electrical Line.
- Guarantee that the Electrical crossing works do not impact the integrity of ROW Pillars.
- Assure that the Electrical crossing works do not hinder any Highway Works.
- Accept responsibility for rectifying any damages caused to Highway Components and other Utilities during EHT Line crossing works, at the Agency's expense.
- Facilitate necessary adjustments, at the Agency's cost, to meet the Authority's requirements for increasing the Highway profile in future, ensuring minimum vertical and horizontal clearances.

Subject to compliance with these conditions, we recommend the Competent Authority to grant permission to M/s. Tamil Nadu Transmission Corporation Limited, Trichy, for the crossing of the aforementioned 110KV HT Line at Km 36+058 on BHS along NH-45C. Additionally, the Agency should be liable for any restoration charges, if applicable, as per NHAI Rules and Norms.

Sincerely,

For Theme Engineering Services Private Limited,


(J. JOSEPH ANTONY SAHAYARAJ)
Team Leader.



Encl: As above (Proposal booklet-1 Nos)

Copy to: i) The Authority Engineer, M/s. Theme Engg Service Pvt Ltd., Jaipur
ii) Authorized Signatory, M/s. Reliance Infrastructure Limited, Neyveli.

Regd Office: B-24, Gokul Vatika, Jawahar Circle, Jaipur-302018, Ph. No. +91-141-2724495-97 Fax- +91-141-2724491
E mail: theme@themeengineering.com, Website: www.themeengineering.com



सत्यमेव जयते

(सर्वे परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

(Ministry of Road, Transport & Highways, Government of India)

Office of the Project Director, Project Implementation Unit,

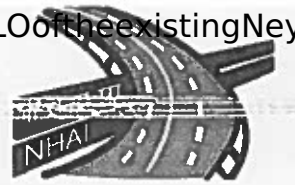
No. 54, Natarajapuram North Colony,

Medical College Road, Thanjavur - 613 004, Tamilnadu.

टेलीफोन / Telephone : 04362 - 246473, 241777

ई-मेल / E-mail : tanjavor@nhai.org, tanjavor_nhai@yahoo.co.in

वेब / Web: www.nhai.gov.in



No.NHAI/PIU/Thanj/11021/31/2009/145

Dated: 12.01.2024

To
The Team Leader,
M/s. Theme Engineering Services Pvt Ltd.,
No.2-A, Malligai Street, Gandhi Nagar (Post),
Vadakuthu, Kurinjipadi Taluk,
Cuddalore District,
Tamilnadu - 607803

Sub: National Highways Authority of India-PIU-Thanjavur- Request for Permission to Erection of 110KV DC Line on DC Towers with Panther conductor by making LIL O of the existing Neyveli - Viluppuram 110KV line feeder-I at the proposed Nellithoppu 110/22 KVSS Permission to lay EHT Tower 2 Nos at Km 36+058 (BHS) on (Vikravandi - Sethiyathope section) NH-45C in the limits of National Highways -Remarks called for - reg.

Ref: 1.SE, GCC Trichy Lr.No.0054/SE/GCC/Try/AEE/GL/DB/AE/C/F.T.2197 Nellithoppu 110KV Line NH Crossing dated 09.01.2024 (received on 12.01.2024)

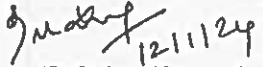
Sir,

The Superintending Engineer, Trichy vide above reference cited has submitted proposals for Erection of 110KV DC Line on DC Towers at 2 Nos at Km 36+058 (BHS) of Vikravandi - Sethiyathope section NH-45C (New No.36) in the limits of National Highways.

A copy of the proposal is enclosed for reference. The Authority Engineer is hereby requested to inspect the site along with Contractor and offer remarks/comments on the proposals and a report may be submitted to this office at the earliest.

Encl: Copy of proposal -1No

Yours faithfully,


12/1/24

(P.Selva Kumar),
General Manager (Tech) &
Project Director
NHAI-PIU-Thanjavur

Copy to: The Superintending Engineer, General Construction Circle, 110KV Grid SS Campus
Trichy - 620001 for information
Authorized Signatory, M/s.Reliance Infrastructure (P) Ltd Neyveli for information.

Regional Office : Vijay Krishna Plaza, 2nd & 3rd Floor, No.1, Lake Area, Melur Main Road,
Mattuthavani, Madurai - 625 007. Tel : 0452 - 2588999
Corporate Office : G-5 & 6, Sector - 10 Dwarka, New Delhi - 110 075. Tel. : 011 - 25074100 / 200

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
✓ National Highways Authority of India,
(Ministry of Road Transport and Highway)
O/o.the Project Director,
Project Inmplementation Unit.
No.54, 1st Floor Natraapuram North Colony,
Medical College Road, Thanjavur -613 004.

Lr.No.0054/SE/GCC/TRY/AEE/GL/DB/AE/C/F.T.2197 Nellithoppu 110 KV Line NH
Crossing/dt.09.01.24.

Sir,

NHAI - PIU - THANJAVUR	
12 JAN 2024	
Dy No:	249
M(T)	
LAO	
PA	6
SE/RS	
SE/SB	
SE/AN	
COPIES	

Ref: 1. NOA No:CE/TR/SE/TR-III/EEP/AEE1/JICA/ID-P224/T-2197/NOA No.3175/
D.174/22, Dt.25.07.2022.

GCC/TRICHY– Tender Specification No.T-2197 –JICA –Loan Agreement No.ID
– P224 – Package 45–Erection of 110 KV DC line on DC Towers with panther
conductor by making LILo of the existing Neyveli-Villupuram 110 KV line
feeder-I at the proposed Nellithoppu 110/22 KV SS Permission to lay EHT
Tower –2 Nos. on LHS & RHS of the National NH 45C Highway crossing of 110
KV D/C from Neyveli – Villupuram Feeder across (Chennai – Kumbakonam)
Near Kadampuliur Village, Panruti Taluk, Cuddalore District – Crossing Drawing,
Agreement & Undertaking – Submission of - Regarding.

- Ref: 1. NOA No:CE/TR/SE/TR-III/EEP/AEE1/JICA/ID-P224/T-2197/NOA No.3175/
D.174/22, Dt.25.07.2022.
2. Lr No.CE/TR/SE/TR-III/EEP/AEE1/F.T-2197/D.No.177/22, Dt.30.07.2022.,
3. Lr.No.11904/SE/GCC/TRY/AEE/GL/DB/AE/C/F.T.2197 Nellithoppu 110 KV Line
NH Crossing/dt.16.12.23.
4. Lr.No.EE/TLC/Neyveli/SDM/DB/Asst/F.T.2197 Nellithoppu 110 KV
Line Crossing/D.No.539/2023 dt.30.12.2023.

I enclose herewith the NH 45C^{New No. NH 36} Proposal for crossing Near Kadampuliur Village,
for the work of Erection of 110 KV DC line on DC Towers with panther conductor by making
LILo of the existing Neyveli-Villupuram 110 KV line feeder-I at the proposed Nellithoppu
110/22 KV SS.

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

Yours faithfully,

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

SUPERINTENDING ENGINEER,
GCC / TRICHY.

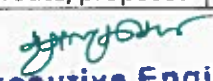
Copy to the Executive Engineer / TLC / Neyveli. } (Through E-mail).
Copy to the Assistant Executive Engineer / TLC/Cuddalore. }

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CHECK LIST


Sl.No	Item	Information/status	Remarks
1	General information	ERECTION OF 110 KV DC LINE ON DC TOWERS WITH PANTHER CONDUCTOR FOR MAKING LILO OF THE EXISTING 110 KV NEYVELI - VILLUPURAM 110 KV LINE FEEDER I AT THE PROPOSED NELLITHOPPU 110/22 KV SS.	
1.1	Name and Address of the Applicant	The Superintending Engineer, General Construction Circle, Trichy. TANTRANSCO, TRICHY	
1.2	National Highway (Road) Number	NH 45C – (New No. NH 36)	
1.3	State	Tamil Nadu	
1.4	Location	Kadampuliyur	
1.5	Type of Electric Including carrying Voltage details and Purpose	Over Head Transmission 110KV feeder CONDUCTOR FOR MAKING LILO OF THE EXISTING 110 KV NEYVELI - VILLUPURAM 110 KV LINE FEEDER I AT THE PROPOSED NELLITHOPPU 110/22 KV SS.	
1.6	(Chainage in km)	36 + 058	
1.7	Length in Meters BETWEEN TOWERS	187.00	
1.8	Width of available ROW		
	(a) Left side from Center line towards increasing chainage/km direction	27.271	
	(b) Right side from center line towards increasing chainage/km direction	25.879	
1.9	Proposal to lay the Overhead line		
	(a) Left side from Center line towards increasing chainage/km direction	159.00	
	(b) Right side from center line towards increasing chainage/km direction	28.00	
	(c) Erection of electrical line along the NH 45C (New No. NH 36)		
1.10	Proposal to acquire land		
	(a) Left side from Center line	NA	
	(b) Right side from Center line	NA	
1.11	Whether proposal is	NA	
	(a) In the same side where land is not to be acquired		
	(b) Crossing the national highway if not then where to lay the overhead		
1.12	Details of already laid service (overhead telecommunication line, overhead electric line etc), if any, along the proposed route/proposed	No	



SUPERINTENDING ENGINEER
GENERAL CONSTRUCTION CIRCLE
TANTRANSCO
TRUCHIRAPPALLI - 620 020


Executive Engineer,
Transmission Line Construction, Asst. Executive Engineer,
Tamil Nadu Transmission Corporation, TLC / TANTRANSCO,
Neyveli. CUDDALORE.

	crossing		
1.13	Number of lanes (2/4/6/8 lanes) existing		
1.14	Proposed number of lanes	4 lanes	
1.15	Service Road existing or not	NA	
	If yes , then which side		
	(a) Left side from Center line	NA	
	(b) Right side from Center line	NA	
1.16	Proposed Service Road		
	(a) Left side from Center line	No	
	(b) Right side from Center line	No	
1.17	Whether proposal to lay tower for overhead electric line is after the Service Road or between the Service Road and Main Carrying way, or crossing for approval/ rejection based on the ministry circular and relevant force mentioned as above.	Beyond the NH ROW	
1.18	No. applicants on the same stretch		
1.19	If crossing of the roads involve	90 Degree	
	(a) Crossing angle for NH and provide length along the highway	187M	
	(b) Structure (tower, pole and for Ht line only tension towers) for crossing shall not be too near the existing structure on the national highway, the minimum distance being 15m	No such structures exist near the proposed structure	
	(i) Type of existing/proposed structure for national highway	NA	
	(ii) What is the distance of tower, pole and tension tower lying from the existing/proposed structure for national highways?	NA	
	(i) The overhead lines and their supporting poles/ tower should ordinarily be placed at the extreme edge of the road length boundary. In any case, this shall be at least shoulders of extreme traffic lane. Where the existing roadway is narrower than the minimum according to standard or where the widening is proposed for any reason the lateral clearance shall be reckoned with respect to ultimate road way	<u>Places apart of the ROW</u>	
	What is the horizontal clearance from the extreme edge of the road way?	<u>LHS -14.271</u> <u>RHS - 12.879</u>	
	(ii) The overhead lines and their supporting poles/ tower should ordinarily be placed at the minimum distance of 5.0 m from nearest line of avenue trees.	<u>No avenue trees in the proposed location</u>	
	What is the horizontal clearance from the nearest line of avenue trees?		
	(iii) In mountainous/ hilly terrain the overhead line should be erected preferably on the valley side as far away as practicable. In hilly reason, label of ground at a suitable distance below the outer conductor and side clearance is swung	<u>NA</u> <u>Plain and Rolling</u> <u>Terrain</u>	

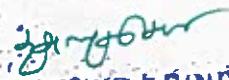

SUPERINTENDING ENGINEER
GENERAL CONSTRUCTION CIRCLE
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TIRUCHIRAPPALLI - 620 022



Executive Engineer,
Transmission Line Construction
Tamilnadu Transmission Corporation, TLC / TANTRANSCO,
Neyveli.


Asst. Executive Engineer,
CUDDALORE.

	conditions. In the proposal in hilly area?		
	The horizontal clearance in respect of poles erected for the purpose of street lighting Urban situation shall be as under:-		
	(i)For roads with minimum 300mm from the Raised kerbs 300mm from the edge of nearest kerb preferably 600mm	<u>NA</u>	
	(ii) For roads with at least 1.5m from the edge of the carriage way, raised kerbs subject to minimum of 5m from the central line of the carriage way.	<u>NA</u>	
	(iv) The pylons of HT lines along crossing the road shall be located outside NH land.	<u>NA</u>	
	(v) For crossing the line of same voltage or lower voltage suspension/ tension, tower with suitable extensions shall be used.	<u>Yes Tension Towers with suitable extension shall be used</u>	
	(h) the vertical clearance of the overhead lines crossing the road shall be reckoned from the top of the crown of the road taking into account the anticipated final top level due to future raising of road level, strengthening of pavement etc. The actual ground clearance of High- tension line for voltage above 650 volt varies depending upon the voltage transmitted and these are stipulated in Indian standard. Code is 56130-1976 part 1to IV and Indian Electricity rules 1956 as under.	<u>11.50M Ground Clearance shall be taken Jointly with TANTRANSCO AND NHAI after completion</u>	
2	Affidavit/ under taking to be obtained from (to be furnished by the applicant)	<u>Yes, enclosed</u>	
2.1	Not to damage to other utility, damaged then to pay the losses either to NHAI or to the concerned agency	<u>Yes ,enclosed</u>	
2.2	Under Taking Renewal of Bank Guarantee if required.	<u>Yes, enclosed</u>	
2.3	Confirming all standard conditions as laid down in ministry circular no. RW/NH-33044/29/2015-S&R (R) dated 22.11.2016, Indian Electricity Act 1910, Indian Electricity rules 1956, IRC:32-1969 etc.	<u>Yes, enclosed</u>	
2.4	Shifting of towers/overhead Electrical line at their own cost as an when required by (NHA)	<u>Yes, enclosed</u>	
2.5	Shifting of towers/overhead Electrical line at their own cost as an when required due to 4/6 laning/ widening of NH	<u>Yes, enclosed</u>	
2.6	Indemnity against all damage and claims whatsoever kind that may be to NHAI or to any third party in the row during installation, operating and maintenance	<u>Yes, enclosed</u>	
2.7	Traffic movement during laying Traffic movement during laying of tower/cable to be managed by the applicant.	<u>Yes, enclosed</u>	
2.8	If any claim is raised by the concessionaire then the same has to be paid by the applicant.	<u>Yes, enclosed</u>	


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TANTRANSCO,
CUDDALORE.

2.9	Prior approval of the NHA shall be obtained before undertaking any work of installation, shifting or repairs, or alteration to the overhead electrical line located in the National Highway right of way.		
2.10	Expenditure, if any, incurred by concerned department for repairing and damage caused to the National Highway by the laying, maintenance or Shifting of the overhead electrical line located in the National Highway right of way.	<u>Yes, enclosed</u>	
2.11	If the NHA consider it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as the desired by the NHA at the cost of the electrical department owing the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	<u>Yes, enclosed</u>	
2.12	Certificate from the applicant in the following format:- (i)Laying of tower/overhead electrical line will not have any deleterious effect on any of the bridge components and roadway safety for traffic. (ii) For 4/6 laning "we do undertake that I will relocate services road/ approach, utilities at my own cost, notwithstanding the permission granted within such time as will be stipulated by NHA" for future 6 laning or any other development.	Yes	
2.13	The erection of tower/ transmission line installation shall be carried out by trained and experienced personnel and supervised by technically qualified persons competent to	Yes	
2.14	The applicant ensures the safety of the highway traffic against the Hazards of High voltage line during installation, operation and maintenance.	Yes	
2.15	Undertaking the compliance with Indian Electricity rules and other authorities, regulations all overhead lines shall comply with the requirement of the Indian electricity act and the regulation or specification as laid down by NHA.	Yes	
3	Other documents and drawing to be furnished by the applicant	Yes	
3.1	Methodology for laying tower/overhead electric line	Yes	
3.2	Draft license agreement	Yes	
3.3	Performance Bank Guarantee in favor NHA has to be obtained at the Rs. 100/- per running meter (parallel to NH) and Rs. 1,00,000/- per crossing of NH, for a period of One year initially expendable if required security for		


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	insuring/making good the area, clearing debris/loose earth act produced in the right of way. No payment shall be Payable by NHAI to the licensee for clearing Debris/ loose earth.		
3.4	Strip plan/ route plan showing overhead electrical line, chainagewith of ROW, distance of proposed, structure(Tower, Pole & HT line Only Tension tower) from the edge of ROW, important milestone, intersection, cross drainage works any other structure existing of proposed etc.	yes	
4	Certificate from Project Director		
4.1	Certificate for confirming that the proposal have been examine with respect to the structure and developmental work considered at this location and compliance of the standard condition issued vide ministry circular No.RW/NH-33044/29/2015-S&R (R) dated 22.11.2016, Indian Electricity Act 1910, Indian Electricity Rules 1956, IRC: 32-1969. IS: 5623-1926 part I to IV of (NHAI) and NHAI's guideline.	Yes	
4.2	Certificate from PD IN following Format: (i) " It is certified that any other location of the electrical line would be extremely difficult and unreasonable costly and the installation of electrical; line with in ROW will not adversely affect the design, stability and traffic safety of the highway not the likely future improvement such as widening of the carriage way easing of kerb, etc."	NA	
	(ii) For 6-laning		
	a) Where feasibility is available "I do certify that there will no hindrance to propose 6 laning based on the feasibility report considering proposed structures at the said location" b) In case feasibility report not available "I do certify that sufficient ROW is available at site for accommodating of six-laning"	NA	
5	If NH section proposed to be taken up by NHAI on BOT basis-a-clause is to be inserted in the agreement "The permitted Highway on which license has been granted the right to lay overhead electrical line have also been granted as a right of way to the concessionaire under the concession agreement for up gradation of _____ section from Km _____ Km	NA	



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TLC / TANTRANSCO,
CUDDALORE.

	_____ NH No 45C (New No. NH 36) on build operate and transfer basis and therefore the license shall honor the same"		
6	Who will supervise the work of laying of overhead electrical line?	TANTRANSCO	
7	Who will sign the agreement on behalf of overhead line agency?	The Superintending Engineer, General Construction Circle,TRICHY TANTRANSCO,TRICHY	
8	Who will ensure that the defect in road portion after laying of overhead electrical are corrected and if not corrected that what action to be taken?	TANTRANSCO	
9	Who will pay the claims for damage done/ disruption in working of concessionaire, if asked by the concessionaire?	TANTRANSCO	
10	A certificate from PD that he will enter the proposed permission in register of record of the permission the prescribe Performa.	Yes	
11	If any previous approval ; for laying of overhead electrical line then photocopy of register of records by PD may be enclosed.	NA	

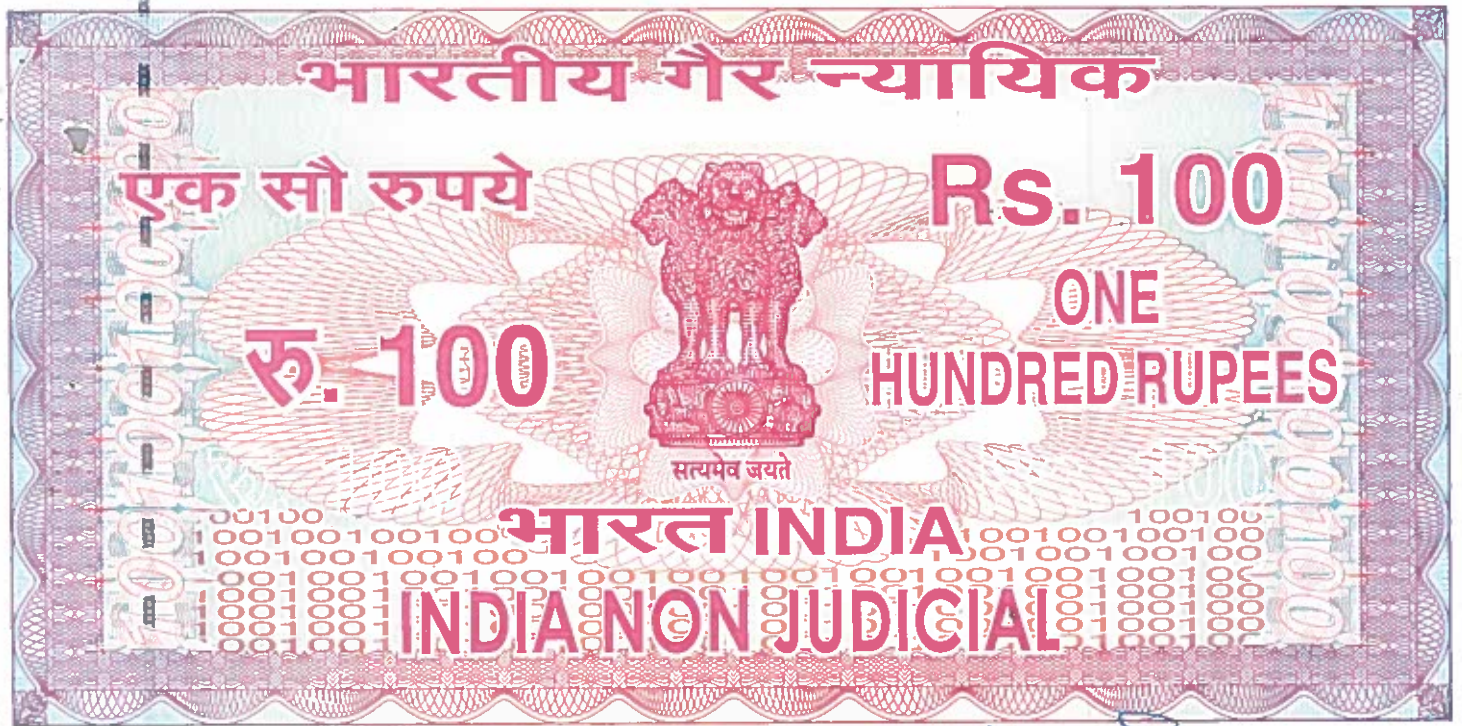

SUPERINTENDING ENGINEER
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Neyveli.


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CUDDALORE.


MANAGER (TECH)
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU-THANJAVUR


GENERAL MANAGER (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU-THANJAVUR



கமரிபுத்தாடு தமில்நாடு TAMILNADU

Hairunnisa Begam
HAIRUNNISA BEGAM DM 586663

S.V.L. No. 80001

No:1, G.R.B. Complex,

Vadalur-607303, Tamilnadu.

Superintending Engineer
TANTRANSCO, GCC, TRICHY

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

Agreement to erect Tower (2 Nos) on LHS & RHS of the Nation Highway for Overhead Transmission of 110 KV feeder across NH-45C (New No. NH-36) at Km 36+058 near Kadampuliur village, Panruti Taluk, Cuddalore District.

This agreement made this _____ day of _____ (month) of _____ (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, includes his successors in office and assigns) on the one part.

And

M/S.Tamil Nadu Transmission corporation Limited (TANTRANSCO) General Construction circle,Trichy, Government of Tamil Nadu having its office At General construction circle ,Trichy, TANTRANSCO,Trichy Tamil Nadu (Hereinafter called the "Licensee") which expression shall unless excluded by repugnant to the context, include his successors/administrators/assignees on the second part.

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

[Signature]
Executive Engineer,
Transmission Line Construction,
Tamilnadu Transmission Corporation,
Neyveli.

[Signature]
Asst. Executive Engineer,
TLC / TANTRANSCO,
CUDDALORE.

Whereas the Authority is responsible inter –alia, for development and maintenance of lands on NH-45C (New No.NH-36) (Chennai to Kumbakonam) at Km 36+058 in the state of Tamil Nadu.

Whereas the Licensee proposes to lay EHT towers- 2 Nos for Over Head Transmission of 110 KV feeder across the NH 45C (New No. NH-36)referred to as utility services in subsequent paras.

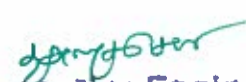
Whereas the Licensee has applied to the Authority for permission to lay utility services along NH- 45C (New No. NH-36) (Chennai – Kumbakonam) across the road at Km 36+058in the state of Tamil Nadu.

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 drawings 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 provision/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 requirement shall be final and binding on all concernedparties. 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 license 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 clearance, 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.
4. The licensee shall pay license fees @ Rs...../Sq m/month to Authority. The license fee shall become payable from the date of handing over of ROW land to the licensee for laying utilities/ cables/ conduits/ pipelines for infrastructure/ serviceprovider. 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 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 the fee shall attract interest @ 15%per annum compounded annually.


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Tamilnadu Transmission Corporation,
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Asst. Executive Engineer,
TLC / TANTRANS CO
CUDDALORE

6. Present policy of the MORTH 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 adequate only to accommodate the carriage way, central verge, shoulders, slopes of embankment, drains, other road side furniture etc. The utility service 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 arrangements with all details shall be required to be approved in advance from the concerned HighwayAdministration. 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 cases, it also need to ensure that maintenance of the utility services shall not interfere with the safe and smooth flow of traffic. The cost of the operation and maintenance will have to be borne by the licensee.
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 providedfor/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 in the fills and fills shall be designed in accordance with provision of IRC and executed following the specifications of the Ministry.
12. Existing drainage structure 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 clearance is given in Attachment-I.
14. The utility service shall cross the National Highway Preferable on a line normal to it or as nearly so as practicable.


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Asst. Executive Engineer,
TLC / TANTRANSCO,
CUDDALORE.

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 30cm but not more than 60cms wider than the outer diameter of the pipe. Filling of the trench shall conform to the specification 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.
 - 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 pre-determined time schedule and quality standards.
19. Prior to commencement of any work on the ground, a performance Bank Guarantee @ Rs100.. 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 of the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good damages caused by excavation, at the cost of the licensee and recover the amount by forfeiture of the Bank Guarantee.


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Tamilnadu Transmission Corporation, TLC / TANTRANSCO,
CUDDALORE.

37. The utility service 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 the Authority for breach of any condition of the same and the licensee shall neither de entitled to any compensation for any loss caused to it by such cancellation not shall it be absolved from any liability already incurred.
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 utility lines/ Industrial infrastructure facilities and which practices, Methods and standards shall be adjusted an necessary, to take account of:
- a. Operation, repair and maintenance guidelines given by the manufactures,
 - b. The requirements of Law,
 - c. The physical conditions at the site, and
 - d. The safety of operating personal and human being.
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 signal lane road, 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 service 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 filing 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 implementations 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 TANTRANSCO 110KV feeder over Head Transmission Project, 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. MORTH/NHAI/ Implementing authorities for the project shall not be liable to the concessionaire in any way in this regard.


SUPERINTENDING ENGINEER
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Executive Engineer.
Transmission Line Construction,
Tamilnadu Transmission Corporation,
Neyveli.


Asst. Executive Engineer,
TLC / TANTRANSCO,
CUDDALORE.

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 (LICENSEE)
BY SHRI


(Signature, Name & address with stamp)


HOLDER OF GENERAL POWER OF ATTORNEY DATED.....EXCUTED IN ACCORDANCE WITH THE RESOLUTION NO.....DATE..... PASSED BY THE BOARD OF DIRECTORS IN THE MEETING HELD ON.....

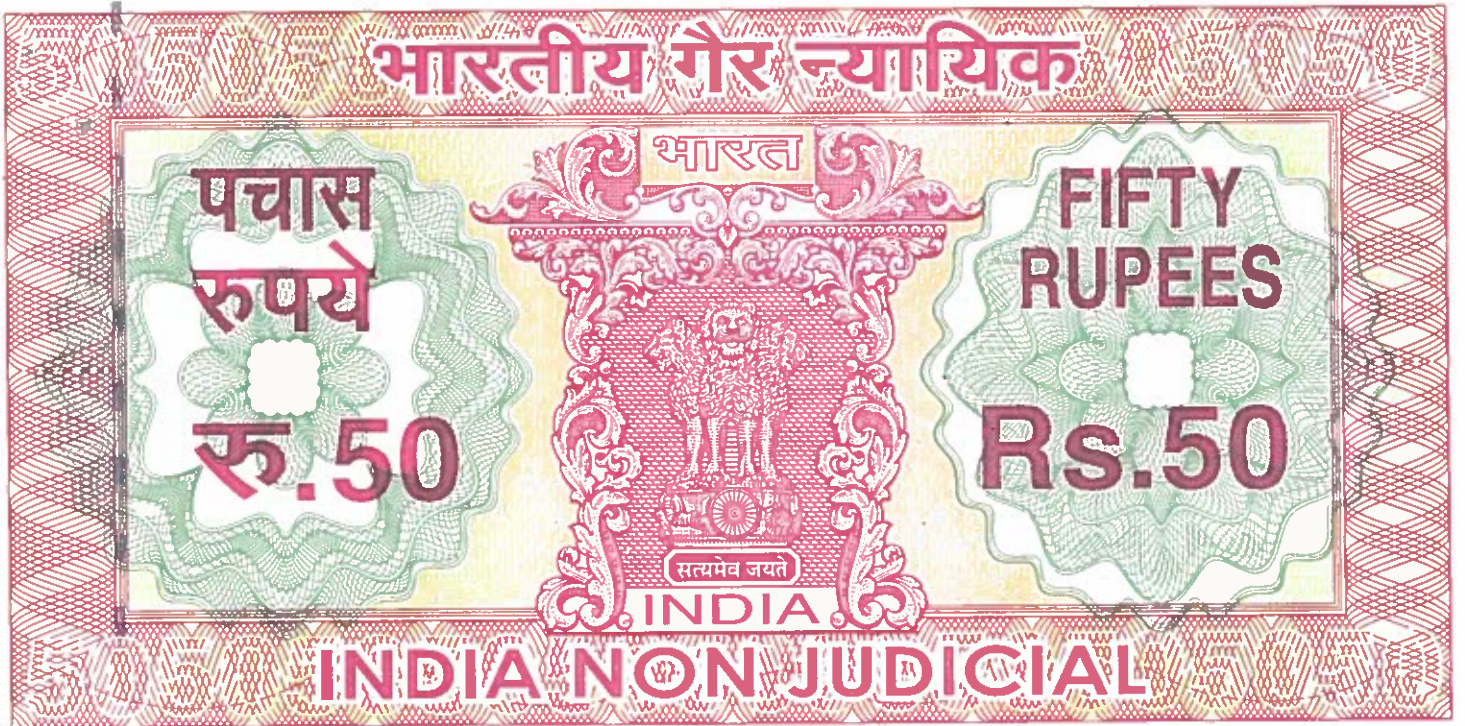
IN THE PRESENCE OF (WITNESS):

- 1.
- 2.


SUPERINTENDING ENGINEER
GENERAL CONSTRUCTION CIRCLE
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TIRUCHIRAPPALLI - 620 020


Executive Engineer,
Transmission Line Construction,
Tamilnadu Transmission Corporation,
Neyveli.


Asst. Executive Engineer,
TLC / TANTRANSCO,
CUDDALORE.



தமிழ்நாடு தமில்நாடு TAMILNADU

Superintending Engineer
TANTRANSCO, G.C.C., TRICHY

Hairunnisa Begam BK 163527
S.V.L. No. 8/2001
No:1, G.R.B. Complex,
Vudalur-607303, Tamilnadu.

UNDERTAKING

We, Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle, Trichy, undertake the following Standard Conditions of NHA Guidelines with respect to the laying Panther conductor between two Towers on the outside of ROW (both LHS & RHS) of NH 45C (New No. NH 36) at Km 36+058 for the overhead crossing of 110KV Feeder at Kadampuliur Village, Panruti Taluk, Cuddalore District.

1. Not to Damage to Other Utility, if damaged then to pay the losses either to NHA or to the concerned agency: Regarding the location of other cables underground Installation/ utilities etc. M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle, Trichy. Shall be responsible to ascertain from the respective agency in coordination with NHA. Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle, Trichy shall ensure the safety and security of already existing cables/underground installation/ utilities facilities etc. before commencement of the excavation.

[Signature]
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GENERAL CONSTRUCTION CIRCLE
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Transmission Line Construction,
Tamilnadu Transmission Corporation,
Neyveli.

[Signature]
Asst. Executive Engineer,
TLC / TANTRANSCO,
CUDDALORE.


2. **Renewal of Bank Guarantee:**M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle,Trichy, shall furnish a Bank Guarantee @ Rs. 100/- per Square meter to the NHAI for a period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring/making good foundation for laying the Towers by proper filling and compaction, clearing debris/loose earth produced due to execution of foundation work No payment shall be payable by the NHAI to :M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle,Trichy, for clearing debris/loose earth. In case the work contemplated herewith is not completed to the satisfaction of the NHAI, which has granted the permission, within a period of 11 months from the date of issue of the bank guarantee.M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle,Trichy shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. In case of : M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle,Trichy failing to discharge the obligation of making good the excavation for foundation of the Towers, the NHAI shall have a right to make good the damages caused by excavation, at the cost of :M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle,Trichy, and recover the amount by invoking the bank guarantee furnished by :M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle,Trichy, Tamil Nadu.

3. **Confirming all standard conditions of NHAI:**

- (i) The Towers shall be laid at the edge of the right of way 2m utility corridors.
- (ii) The licensee shall inform/give a notice to the NHAI, Govt. of India or its authorized agency at least 15 days in advance with route details prior to laying of Towers for fresh or maintenance/repair work. A separate work plan and a separate performance Bank Guarantee @ Rs.100/- per Square meter for maintenance/ repair work shall have to be furnished by M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle,Trichy, Tamil Nadu.
- (iii) The license shall indemnify the concerned agency in co-ordination with NHAI, against all damages and claims, if any, due to the laying of Towers for Over head crossing 110KV feeder.
- (iv) The NHAI has a right to terminate the permission or to extend the period of agreement. In case the :M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO General construction circle,Trichy, Tamil Nadu wants shifting, repairs or alteration to Towers/OH Transmission cables, he will have to furnish a separate bank guarantee.
- (v) The licensee shall not without prior permission in writing from the NHAI Govt. of India or its authorized agency undertake any work of shifting, repairs or alterations to the said OverheadTransmission Towers.
- (vi) The permission granted shall not in any way be deemed to convey to convey to M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle,Trichy, any ownership right or any interest in route/road/ property, other than what is herein expressly granted.


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- (vii) During the subsistence of this agreement, the laying of towers located in highway land/property shall be deemed to have been constructed and continued only by the consent and permission of the NHAI so that the right of M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle,Trichy to the use thereof shall not become absolute and indefeasible by laps of time.
 - (viii) M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle,Trichy, Tamil Nadu shall bear the stamp duty charged for the agreement.
 - (ix) The tower carrying Over Head 110KV feeder shall not be brought in to use by M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle,Trichy, unless a completion certificate to the effect that the laying of Towers/ Transmission Lines has been laid in accordance with the approved specifications and drawings up to the satisfaction of the concerned agency in co-ordination with the owner has been obtained.
 - (x) Notwithstanding anything NHAI contained herein this agreement may be cancelled at any time by the for breach of any condition of the same and the M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle,Trichy, 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.
 - (xi) The licensee shall have to provide barricading, danger lighting and other necessary caution board while executing the work and during maintenance. If NHAI is required to do some emergent workM/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle,Trichy, will provide an observe within 24 hours. NHAI will not be responsible for any damage of any kind by what so ever means natural or otherwise.
 - (xii) The enforceability of the Right-of Way permission granted here in shall be restricted to the extent of provisions/scope of service contained/defined in the license agreement of the License with concerned Department and for the purpose for which it is granted of the license with concerned Department and for the purpose for which it is granted. Either by content or by intent, the purpose extending this Right-of Way facility is not to enhance the scope of M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle,Trichy, of the department of Electricity Board.
4. **Shifting of OFC as And when required by NHAI:**M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle,Trichy shall shift the towers within 90 days (or as specified by the respective agency/owner) from the date of issue of the notice by the NHAI, Govt. of India to shift/relocate the towers, in case it is so required for the purpose of improvement/widening of the road/route/highway or construction of flyover/bridges and restore the road/land to its original condition at his own cost and risk.
5. **Shifting due to 6 lining/ widening of NH:** After the termination/expiry of the agreementM/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle,Trichy, shall remove the towers within90 days and the site shall be brought back to the original condition failing when the:M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle,Trichy, will lose the right to remove the towers.


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However, before taking up the work of removal of towers the M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle, Trichy, shall furnish a bank guarantee to the owner for a period of one year for an amount assessed by the owner 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 right of way.

6. **Traffic movement during laying of Towers/ Over Head 11 KV feeder to be managed by the applicant:** If any traffic diversion work are found necessary during the working period such diversion shall be provided at the cost of M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle, Trichy.
7. **If any claim is raised by the concessionaire then the same has to be paid by the applicant :** M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle, Trichy. Shall be solely responsible/ liable for full compensation/ indemnification of concerned agency/ aggrieved owner for any direct, indirect or consequential damage caused to them/ claims or replacement sought for, at the cost and risk of M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle, Trichy. The concerned agency in co-ordination with NHAI shall also have a right to make good such damages/recover the claims by way of invoking of Bank Guarantee furnished by M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle, Trichy. Fails to comply with the condition 5 and 6 above to the satisfaction of the NHAI, the same shall be got executed by the NHAI at the risk and cost of the M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle, Trichy.
8. We, M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle, Trichy, hereby do undertake to furnish a performance Bank Guarantee @ Rs.100/- per Square meter for a period of one year initially (extendable if required till satisfactory completion of work) as a security against improper restoration of ground in terms of filling/unsatisfactory compaction/damages caused to other underground installation utility services & interference interruption, disruption of failure caused thereof to any services etc. in case, M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle, Trichy. Failing to discharge the obligation of making good the damages caused due to excavation, the NHAI shall have a right to make good the damages caused due to excavation at the cost of the M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle, Trichy. And recover the amount by invoking the Bank Guarantee in case the work contemplated is not completed to the satisfaction of NHAI, which has granted the permission, within a period of 11 month from the date of issue of the Bank Guarantee, M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle, Trichy. Shall either furnish a fresh guarantee or extend the guarantee for a further period of one year.
9. In case the work contemplated is not completed to the satisfaction of NHAI, which has the permission within a period of 11 months from the date of issue of the Bank Guarantees, M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle, Trichy, shall either furnish a fresh guarantee or extend the guarantee for a further period of one year.


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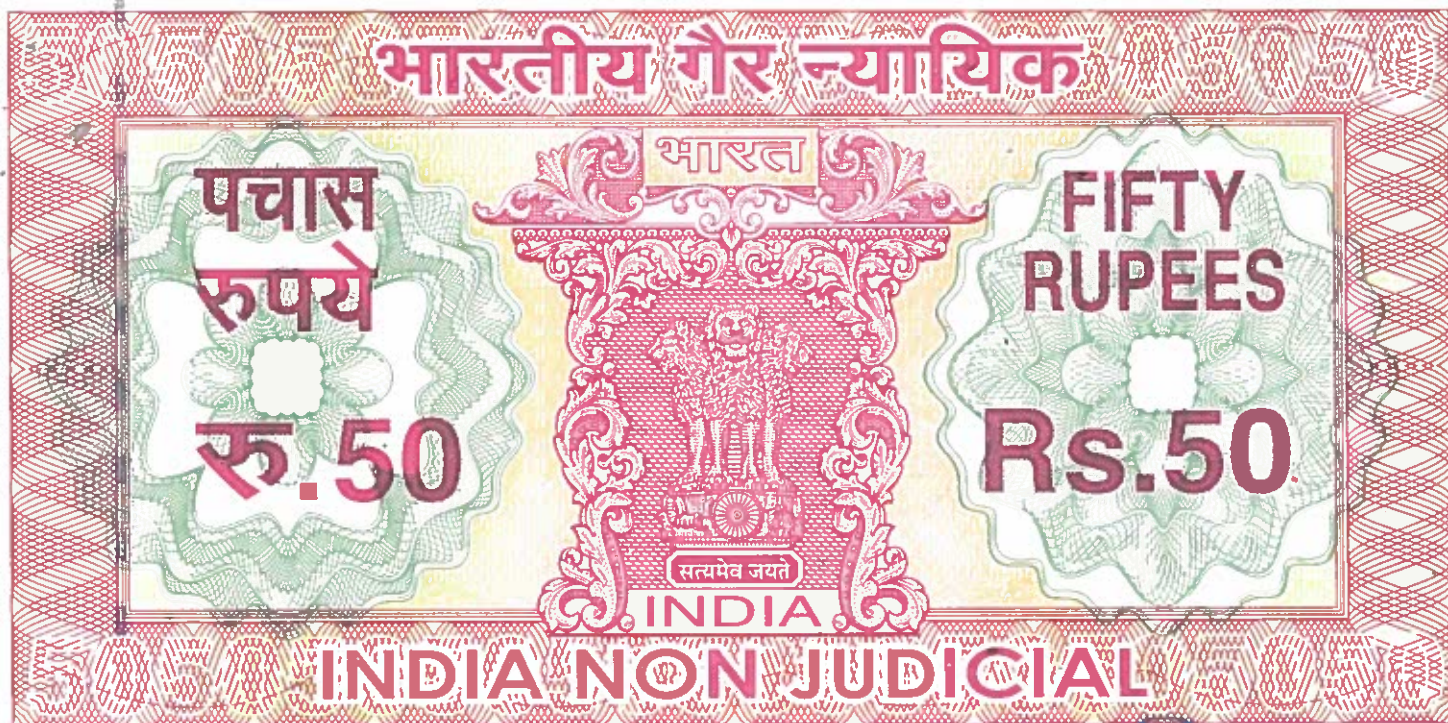

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10. We will relocate towers/Utilities at our own cost, notwithstanding the permission granted with such time as will be stipulated by NHAI "for future six-lining or any other development."
11. We M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle,Trichy, hereby undertake that "The existing avenue plantation is not affect due to the present proposed towers for Overhead 110KV feeder in NH 45C (New No. NH 36) (Chennai-kumbakonam) across the road at Km 36+058 in the state of Tamil Nadu State".
12. We M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle,Trichy, hereby undertake that we will pay the fee/ rent as mentioned in the Ministry's Guidelines Lr. NO. RW/NH-33044/29/2015-S&R (R) dated 22.11.2016 as and when asked by NHAI.
13. We M/s Tamil Nadu Transmission Corporation Limited (TANTRANSCO) General construction circle,Trichy, hereby undertake that we will comply and confirm with all standard conditions as laid down in ministry circular no. RW/NH-33044/29/2015- S&R (R) dated 22.11.2016, Indian Electricity Act 1910, Indian Electricity rules 1956, IRC:32-1969 and regulations with respect to all overhead lines with the requirement of the Indian electricity act and rules made their under and the regulation as laid down by NHAI.


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தமிழ்நாடு தமில்நாடு TAMILNADU

Superintending Engineer
TANTRANSCO, G.C.C., TRICHY

HAIRUNNISA BECAM BK 163528
S.V.L. No. 8/2001
No:1, G.R.B. Complex,
Vadalur-607303, Tamilnadu

INDEMNITY BOND

Name of the Work: Erection of 110KV DC Line on DC Towers with Panther Conductor for making LIL of the existing 110kv Neyveli – Villupuram 110kv Line Feeder I at the Proposed Nellithoppu 110/22kv SS, 110KV Overhead line road crossing on RHS & LHS across the NH 45C (New No. NH 36) at Km 36+058 in Cuddalore District, Tamil Nadu

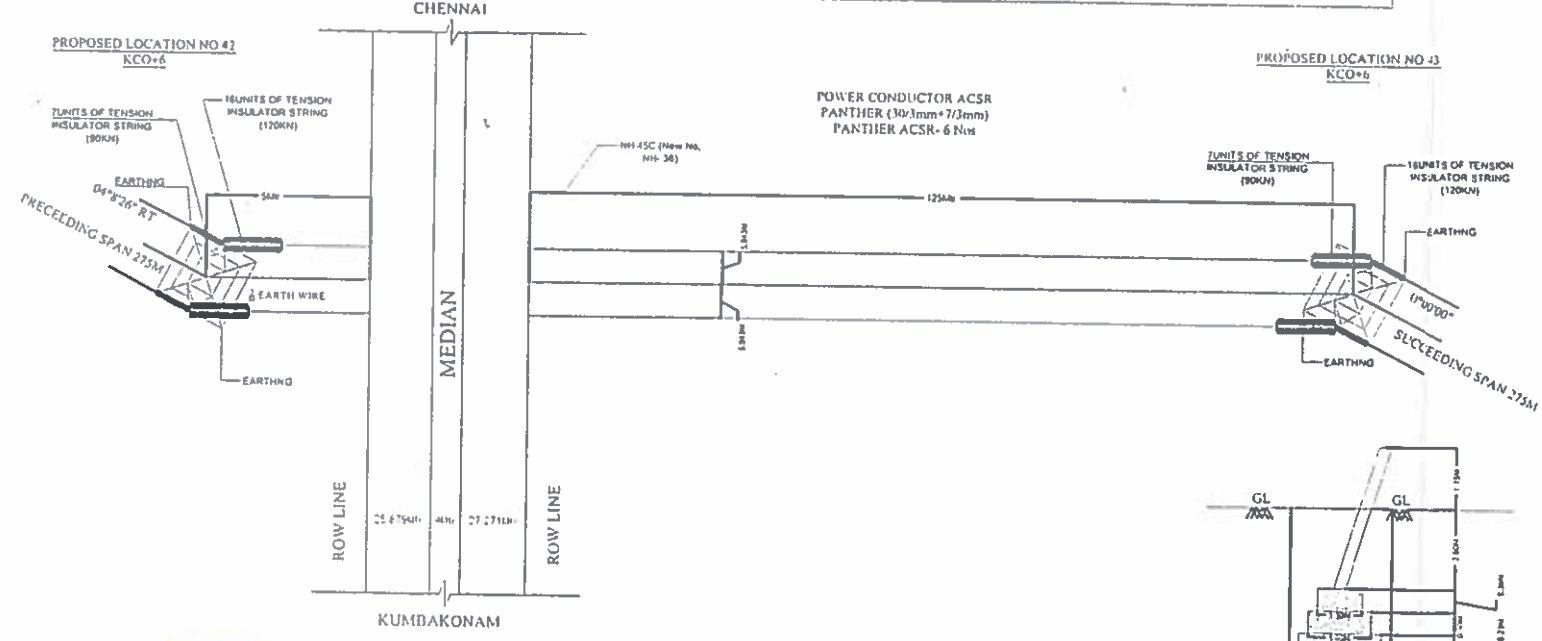
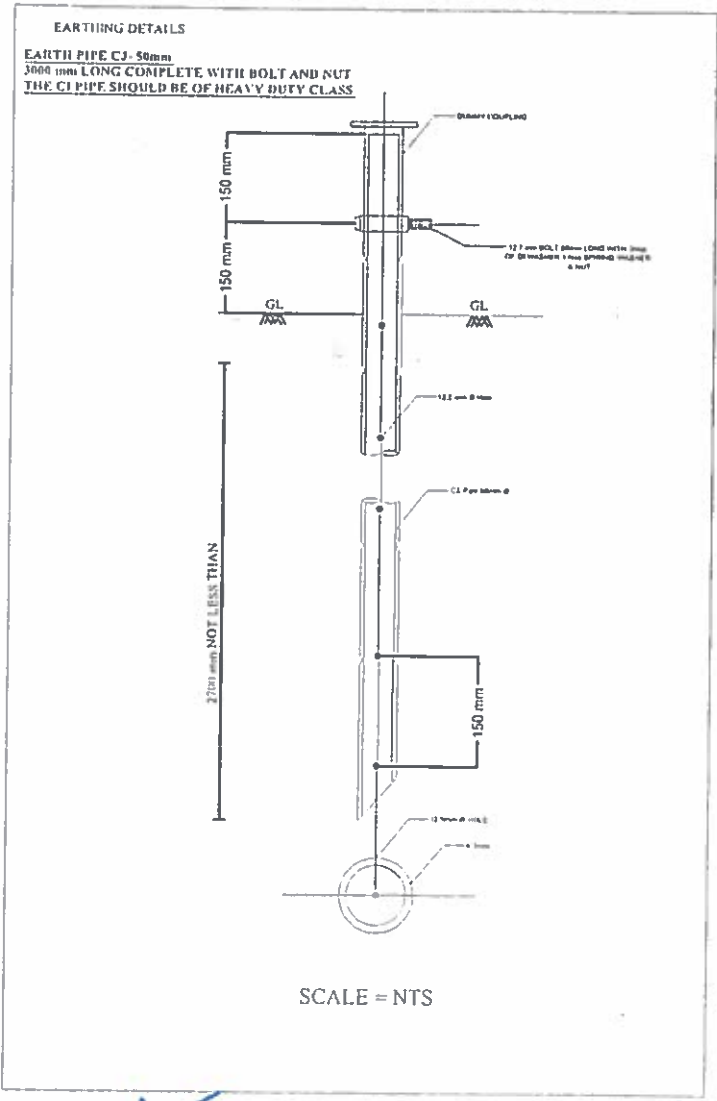
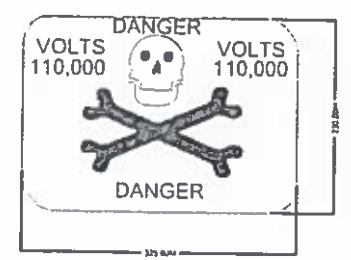
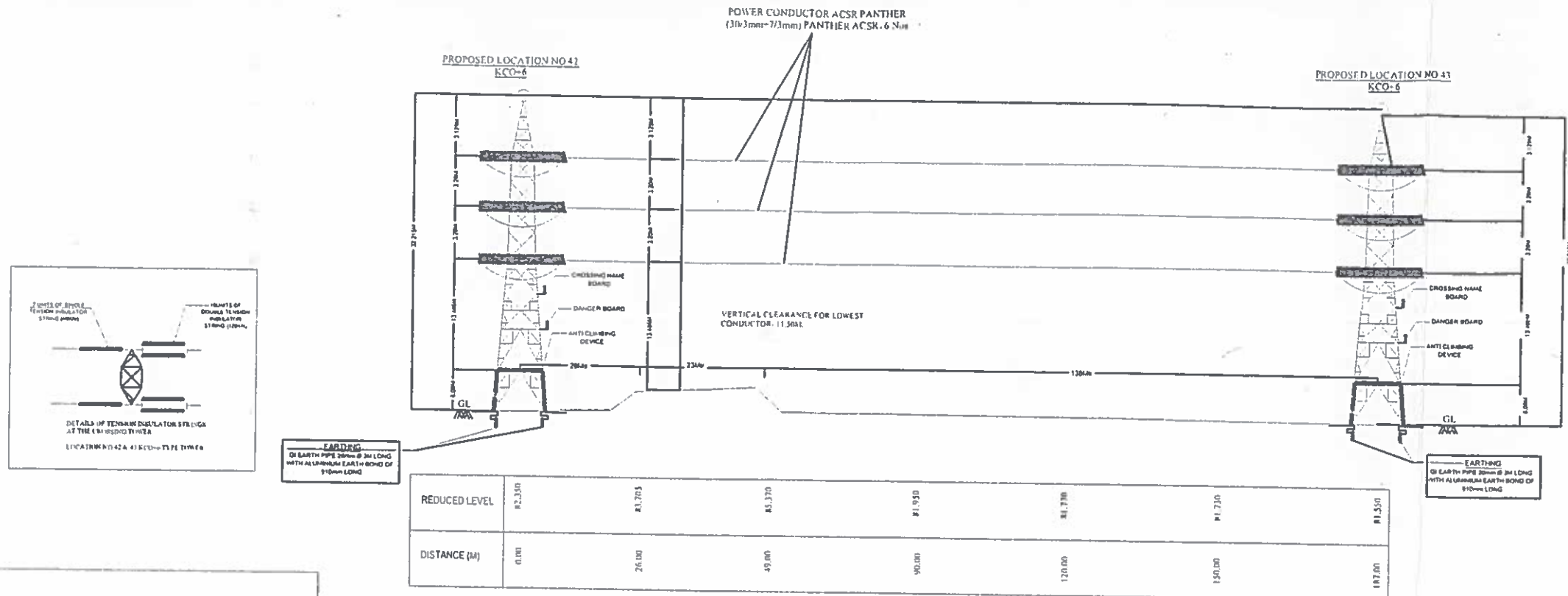
Indemnity against all damages and claims as per Sl.NO.5.6 of Checklist

We, Tamil Nadu Transmission Corporation Ltd (TANTRANSCO), General Construction Circle, Trichy, do hereby indemnify the Project Director, PIU, National Highways Authority of India, Thanjavur, binding ourselves to pay all the losses and claims in respect of Erection of 110kv DC Line on DC Towers with Panther Conductor for making LIL of the existing 110kv Neyveli – Villupuram 110kv Line Feeder I at the Proposed Nellithoppu 110/22kv SS, 110KV Overhead line road crossing on RHS & LHS across the NH 45C (New No. NH 36) at Km 36+58 in Cuddalore District, Tamil Nadu or maintenance thereof and against all claims proceeding damages, cost, charges and expenses whatsoever in respect thereof in relation there to failing such payments of claims in the above work we abide in accepting of such claims affected from any of our assests.

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MANAGER (TECH)
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU-THANJAVUR

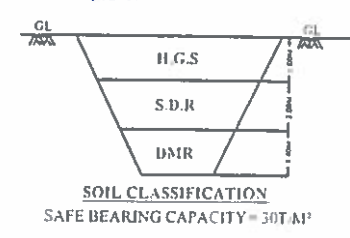
GENERAL MANAGER (T) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU-THANJAVUR

- NOTE
1. THE TOWERS ON EITHER SIDE OF THE CROSSING WILL BE EFFECTIVELY EARTHED
 2. THE FACTOR OF SAFETY FOR TOWERS, CONDUCTORS, ETC WILL BE 2.5
 3. THE TRANSMISSION LINE WILL BE CONTROLLED BY MODERN CIRCUIT BREAKER WITH TRIPPING TIME 0.025 SECONDS
 4. THE CROSSING ARRANGEMENT WILL BE AS PER LATEST CODE OF PRACTICE
 5. THE TOWERS ON EITHER SIDE OF THE CROSSING WILL BE PROVIDED WITH ANTICLIMBING DEVICES AND WARNING BOARDS
 6. DANGER BOARD DANGER - 110000 VOLTS

CLEARANCE DETAILS - CROSSING OVER NATIONAL HIGHWAY

CLEARANCE REQUIRED = 11.3 M

CLEARANCE AVAILABLE = 11.50 M



INDEX

—	INSULATOR
⊗	TOWER FOUNDATION
•	TUBE WELL
—	PIPE LINE
	EARTHING PIPE

TAMIL NADU TRANSMISSION CORPORATION LTD		
GENERAL CONSTRUCTION CIRCLE		
110kV OVER HEAD LINE - NI-45C (New No NI 36)		
110kV DC LINE ON DC TOWER FOR MAKING LIL OF THE EXISTING NEYVELI - VILLUPPURAM 110kV LINE FEEDER-1 AT PROPOSED TO NELLITHOPU 110kV		
110kV DC TOWER- LOC No 42 & 43 CROSSING NI-45C New No NI 36		
DRAWN	SCALE	DRAWING No.
	NTS	

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