



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 - हैदराबाद
REGIONAL OFFICE - HYDERABAD



प्रथम तल, नया भवन, भारतीय प्रशासनिक स्टाफ कॉलेज, रोड नं-3, बंजारा हिल्स, हैदराबाद-500 034. तेलंगाना.
First Floor, New Building, Administrative Staff College of India (ASCI), Road No. 3, Banjara Hills, Hyderabad - 500 034, Telangana.
टेली / Tele : 040 - 29562147 / 48 ई-मेल / Email : rohyderabad@nhai.org, nhairohyd@gmail.com

Notice Inviting Public Comments

NHAI/RO-HYD/25011/1/37/2022/Utility/3459

Dt.14.03.2022

Sub: NHAI - RO Hyderabad - PIU Hyderabad- Proposal for crossing of 400KV QMDC line from 400/220KV Veltoor SS to 400/11KV Yedula LISS under Palamoor- Crossing of 400KV line between km.125+200 to Km.125+400 near Kanimetta Village on Hyderabad to Bangalore section of NH-44 in the State of Telangana - **Reg.**

Ref: 1. PIU Hyderabad lr no. NHAI/PIU-HYD/NH-44/AP-4/TSTRANSCO/2022/284, dt:16.02.2022

The Project Director, PIU, NHAI, Hyderabad vide letter cited above has recommended the proposal of Executive Engineer, TSTRANSCO, Hyderabad regarding Crossing of 400KV line between km.125+200 to Km.125+400 near Kanimetta Village on Hyderabad to Bangalore section of NH-44 in the State of Telangana.

2. As per above para 4 of the Ministry's guidelines no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, public comments is hereby invited on the above proposal seeking claims and objections (on grounds of public inconvenience, safety and general public interest) within 30 days on public portal i.e. website of Ministry of Road Transport and Highways (www.morth.nic.in) in Form-A (copy enclosed) for "Accommodation of Public and Industrial Utility Services along and across National Highways".

Comment Inviting Authority

The Regional Officer,
National Highways Authority of India,
Regional Office: Hyderabad,
First Floor, New Building,
Administrative Staff College of India(ASCI),
College Park Campus, Road No.3,
Banjara Hills, Hyderabad - 500 034,
Telangana State,
Phone: 040-29562147, 040-29562148,
Email: rohyderabad@nhai.org, nhairohyd@gmail.com

Encls: Above Proposal

Yours faithfully,

(G.V. Bheemasena Reddy)
Dy. General Manager (Tech)
For Regional Officer-cum-
Highway Administrator, Hyderabad

To:

1. Senior Technical Director, NIC, Transport Bhawan, New Delhi- 110001 for uploading on Ministry's website.
2. Shri S.Manivasagam, Dy. GM (IT), NHAI HQs, New Delhi for uploading on NHAI website.

Copy to:-The Project Director, NHAI, PIU Hyderabad: for information

FORM-A

Form for seeking claims and objections (on grounds of public inconvenience, safety and general public interest) on the application for Accommodation of Public and Industrial Utility Services along and across National Highways

Sub: NHAI - RO Hyderabad - PIU Hyderabad- Proposal for crossing of 400KV QMDC line from 400/220KV Veltoor SS to 400/11KV Yedula LISS under Palamoor- Crossing of 400KV line between km.125+200 to Km.125+400 near Kanimetta Village on Hyderabad to Bangalore section of NH-44 in the State of Telangana - **Reg.**

The claims and objections (on grounds of public inconvenience, safety and general public interest) by the general public needs to be given within 30 days of uploading the online application for comments

Sl. No	Item	Details
1	Name of the person who is desiring to give claims and objections (on grounds of public inconvenience, safety and general public interest)	
2	Address of the person	
3	Details of the application for Accommodation of Public and Industrial Utility Services along and across National Highways against which claims and objections are being given (name of applicant and other details like site address etc.)	
	a) Application No.	
	b) Name of applicant (who applied to Accommodation of Public and Industrial Utility Services along and across National Highways)	
	c) Details of Application	
4	The claims and objections (on grounds of public inconvenience, safety and general public interest)	



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 - हैदराबाद

आवास सं : 25A & 28A, भारत का प्रशासनिक स्टाफ कॉलेज, कॉलेज पार्क कैम्पस, सड़क सं : 3, बंजारा हिल्स, हैदराबाद - 500 034, तेलंगाना

PROJECT IMPLEMENTATION UNIT - HYDERABAD

Qtr.No. 25A & 28A, Administrative Staff College of India (ASCI), College Park Campus, Road No.3, Banjara Hills, Hyderabad- 500 034, Telangana

Land Mark : Near TV9 Bus Stop

टेली / Tele : 040-29550558 ई-मेल / Email : hyd@nhai.org / nhaihyd@gmail.com

Signed documents returned in attention

NHAI/PIU-HYD/NH-44/AP-4/TSTRANSCO/2022/284

16.02.2022

To
The Regional Officer
National Highways Authority of India
Regional Office, First Floor, New Building,
Administrative Staff College of India (ASCI),
College Park Campus, Road No.3
Banjara Hills, Hyderabad-500034, Telangana.



DGM (T)-I & II
Dy Mgr (T) KB
PD
AM (F&A)

dy mgr (T) KB
KB
AM

Sub: NHAI, PIU-HYD- Design, Construction, Development, Finance, Operation & Maintenance of Km. 80.050 (Jadcherla) to Km. 135.469 (End of Proposed Kotakotta Bypass) covering 55.740 Kms, on NH-44 in the state of Telangana- NS2/BOT/AP-4 - supply, erection, testing & commissioning of 400kV QMDC Line from 400/220kV Veltoor SS to 400/11 kV Yedula LISS under Palamoor - Rangareddy Lift Irrigation Scheme crossing NH-44 between Location No. 24/0 & 25/0 near Kanimetta Village - proposal recommended - approval requested - Reg.

- Ref:** i) MoRTH guideline No. RW/NH-33044/29/2015/S&R® dated: 22.11.2016
ii) TSTRANSCO Ir. no. EE-I/400kV/Const./Rural/Erg/Hyd/F.PRLIS/D.No.696/21 dated: 15.12.2021
iii) PIU-Hyd Ir. no. NHAI/PIU-HYD/NH-44/AP-4/2021/1812 dated: 30.12.2021
iv) I.E Ir. no. AA/TL/AP-04/NH-44/NHAI/2349/21-22/976 dated: 05.02.2022

Sir,

This has reference to the proposal received in this office from Executive Engineer-I for TSTRANSCO for supply, erection, testing & commissioning of 400kV QMDC Line from 400/220kV Veltoor SS to 400/11 kV Yedula LISS under Palamoor - Rangareddy Lift Irrigation Scheme crossing NH-44 between Location No. 24/0 & 25/0 near Kanimetta Village on subject stretch.

2. The proposal has been examined by I.E and following is submitted:

- I.E has reported that the drawings are in line with manual on transmission lines published by Central Board of Irrigation and Power.
- The drawings and checklist are found to be in order complying the guidelines.

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Page 1 of 2

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NHAI/PIU-HYD/NH-44/AP-4/TSTRANSCO/2022/

16.02.2022

3. Further, following documents have been submitted:

- a. Checklist
- b. Undertaking
- c. License Agreement
- d. Drawings

4. In view of the above, the proposal is hereby recommended for the approval of Highway Administrator.

Encl: As above

Yours faithfully





(P. Nageswara Rao)
GM (T) & Project Director


Copy to: Executive Engineer-I 400KV/Const/Rural - for information and necessary action


DETAILS OF POWER LINE CROSSING ON NH-44 AT KANIMETTA VILLAGE

Sl No	Description of item	Information	Remarks
1	Name of the work	400kV QMDC Line from 400/220kV Veltoor SS to 400/11 kV Yedula LISS over head line crossing on NH-44 between Location No. 24/0 & 25/0 near Kanimetta Village	
2	Name and address of the applicant	Sri. Vislavath Ramu, Executive Engineer--1, 400kV/Const/Rural/Hyderabad.	
3	National highway No. Station	NH-44, Bangalore -Hyderabad section near Kanimetta Village, District Wanaparthy.	
4	Crossing of Line between mile stone	125/2 & 125/4	
5	Width of available ROW		
a)	Location of left side tower from the centre of line of NH	118.5 Mtrs	DD+6 Tower
b)	Location of Right side tower from the centre of line of NH	125.5 Mtrs	DD+6 Tower
c)	Span between the towers	244 Mtrs	
d)	Centre line of the tower from the NH(left side)	118.5 Mtrs	
e)	Centre line of the tower from the NH(Right side)	125.5 Mtrs	
	Vertical clearance of the Power line from the lowest conductor to the centre of Road level	20 Mtrs	
7	Minimum electrical Ground clearance for the 400 kV Power lines as per IS:5613 of 1976 and IE rules,1956	12.5 Mtrs	
8	Height of the Towers	56.00 Mtrs Both	



Team Leader
 Aarvee Associates Architects
 Engineers & Consultants Pvt. Ltd.
 Thondupally to Kurnool Project


Executive Engineer-I
 400KV/Const./Rural,
 TSTRANSCO, Hyderabad.


Asst. Executive Engineer
 400KV/Const/SD-I/Rural
 TSTRANSCO, Erragadda, Hyd-45


Asst. Engineer
 400KV/Const./Rural/SD-I
 TSTRANSCO, Erragadda, Hyd-45

8h


PROJECT DIRECTOR
 NATIONAL HIGHWAYS AUTHORITY OF INDIA
 PROJECT IMPLEMENTATION UNIT
 HYDERABAD - 500 034.

**400 kV DC Transmission Line
National High Way-44 Crossing Details**

Sl No	Details	Remarks
1	Location No.& Type of Tower	Loc.No.24/0 & 25/0, DD+6 Towers at both locations.
2	Left side Mile Stone	125/4
3	Right side Mile Stone	125/2
4	Left side station (to the line in forward Direction)	Bangalore
5	Right side station (to the line in forward Direction)	Hyderabad
6	Clearance of the Road Top to Bottom Conductor	20 Mtrs
7	National High way	NH-44 (Bangalore -Hyderabad)
8	Right side village Name	Chilakatonipally
9	Left side village Name	Mojerla Village

[Signature]
Team Leader
Aarvee Associates And/Res
Engineers & Consultants Pvt. Ltd.
Thendupally to Kurnool Project

[Signature]
Executive Engineer-I
400KV/Const./Rural,
TSTRANSCO, Hyderabad.

[Signature]

[Signature]
Asst. Executive Engineer
400KV/Const/SD-I/Rural 400KV/Const./Rural/SD-I
TSTRANSCO, Emagadda, Hyd-4578. Transco, Emagadda, Hyd.

Asst. Engineer

BL

[Signature] 7/4

[Signature]
PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PROJECT IMPLEMENTATION UNIT
HYDERABAD - 500 034.

COMPLIANCE /REQUIREMENT OF HT LINE CROSSING-NHAI

S.No.	Description	Compliance Yes/No
1	Exact chainage of the location of power line crossing NH-44 after Addakal toll Plaza and near Kanimetta village shall be furnished in the drawings. Drawings does contain the relavent details like grade of Concrete/Details of reinforcement,dimensions for foundation and details of guard cradle etc.	Chainage furnished in the drawings, foundation drawing furnished
2	The adequacy of design of all the components of various structures shall be ensured by TS Transco	Yes
3	No part of the foundation of electrical tower shall in ROW of NHAI	Yes
4	Electrical towers including supporting structures if any ,shall be erected at least 10.0 meters from the edge of the ROW and are the minimum distance of 5.0 meters from the nearest line of avenue plantation.	Yes
5	Minimum vertical clearance of the overhead electrical line for the crossing the national high way shall be in accordance with the guide line mentioned in the central electrical authority Regulations/Statutory provisions of Indian electrical Rules	Yes
6	The work executing department i.e., TS Transco shall be conveyed to the follow of IRC:32-1969,Central electrical authority Regulation/Statutory provisions of Indian Electrical Rules and other relavent guidelines issued on the subject matter by NIIAI, MORTH and H	Yes
7	A copy of the work program ,particularly for the work related to the crossing NH-44 after Addakal toll Plaza and near Kanimettai village shall be provided NHAI well in advance. The changes in the given work program ,shall be provided to the NHAI well in advance.	Yes
8	List and contact number of responsible engineers of the above agency ,available at site shall also be provided to the NHAI for coordination at site level	Yes
9	All the necessary safety arrangements shall be taken by the concerned department TS Transco for carrying out the works referred under the subject matter.	Yes
10	In case if any lane closure is required for carrying such works necessary permission shall be obtained well in advance from NHAI authorities for smooth and uninterrupted flow of traffic along the national highway	Yes
11	The arrangements proposed by the department for the safety, protection, structural stability and required undertaking shall be submitted by the above department alone with the application and the same shall be adhered to and implemented	Yes
12	As stated in the under taking submitted by TS Transco they have to commence the work after obtaining approval from the NHAI	Yes

Team Leader
Aarvee Associates Architects & Engineers Pvt. Ltd.
Thondupally to Hurnool Project
Executive Engineer-I
400KV/Const./Rural,
TSTRANSCO, Hyderabad.

Asst. Executive Engineer
400KV/Const./SD-I/Rural
TSTRANSCO, Errugadda, Hyd-45
Asst. Engineer
400KV/Const./Rural/SD-I
TSTRANSCO, Errugadda, Hyd

PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PROJECT IMPLEMENTATION
HYDERABAD - 500 034



తెలంగాణ తేలంగానా TELANGANA

Sl. No. 5186 Date: 19-05-2021
SOLD TO: V. RAMU
S/O, V. RAMU SINGH R/O, HYDERABAD
FOR WHOM: Self

K. Chitra Kala
AE 488245
K. CHITRA KALA
LICENSED STAMP VENDOR
LIC. No. 15-11-937/2013,
R.L. No. 15-11-024/2019,
PLOT NO: 70, 102, SARA SWATHI ENCLAVE
BHAGYANAGAR COLONY, KUKATPALLY,
R.R DISTRICT, TELANGANA, CELL: 99666171

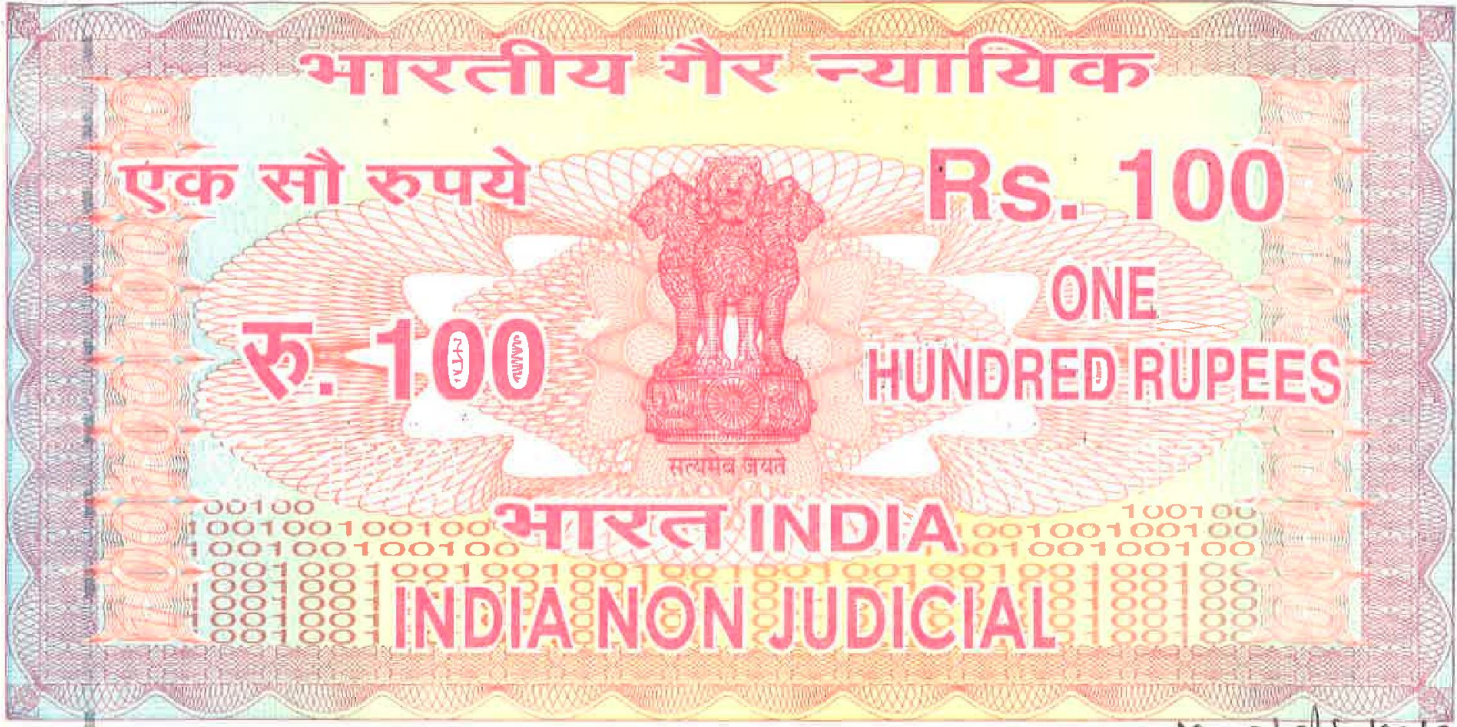
UNDER TAKING

It is proposed to carry out stringing activity of 400kV Transmission line which is passing from 400/220 kV Veltor SS to 400/11kV SS Yedula of district Wanaparthy & Nagarkurnool. This section is crossing near Kanimetta village on NH-44 (Bangalore -Hyderabad Highway) between Location No.24/0 & 25/0. This section of the National Highway is under the control of Project Director, Project Implementation Unit, NHAI, Hyderabad.

Stringing would be executed by Transmission Corporation of Telangana Limited through agency M/s.Larsen & Tubro Ltd, Chennai.

In this context, I (Sri.Vislavath Ramu, Executive Engineer-1/400kV/Const/Rural/Erg/Hyderabad), on behalf of TSTRANSCO here by undertake that TSTRANSCO would assume the Responsibility in case of any accidents or any incidents happened due to lack of safety measures from TSTRANSCO on National Highway section of NH-44 during the execution of the above work

Sri Vislavath Ramu
Sri Vislavath Ramu,
Executive Engineer-1,
400kV /Const./Rural/Hyd.



తెలంగాణ తెలంగాణ TELANGANA

Sl. No. 5187 Date: 19-05-2021

SOLD TO: V. RAMU

S/O, V. RAMU SINGH R/O, HYDERABAD

FOR WHOM: Self

K. CHITRA KALA
LICENSED STAMP VENDOR

LIC. No. 15-11-037/2013,

R.L. No. 15-11-024/2019,


PLOT NO: 70, 102, SARASWATHI ENCLAVE,
BHAGYANAGAR COLONY, KUKATPALLY,
R.R DISTRICT, TELANGANA, CELL: 996661711

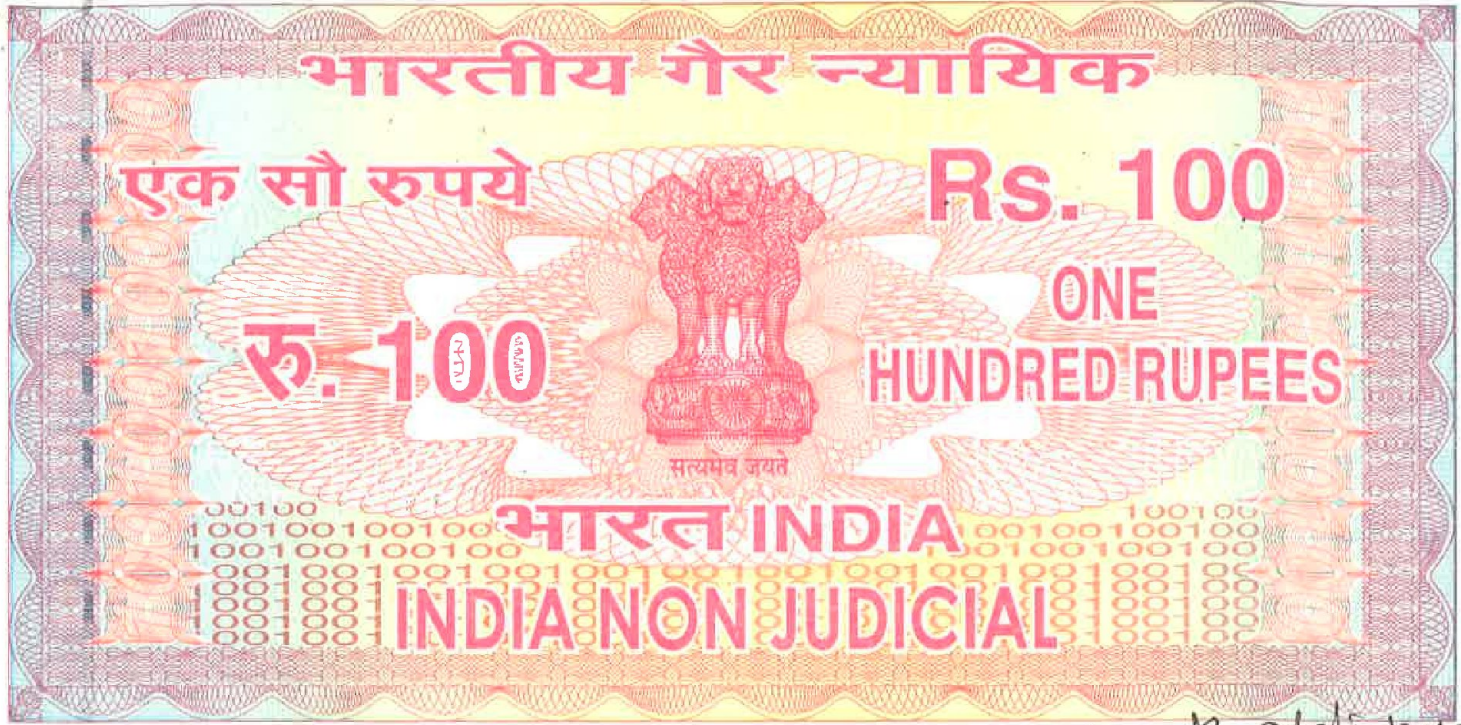
UNDER TAKING

It is proposed to carry out stringing activity of 400kV Transmission line which is passing from 400/220 kV Veltor SS to 400/11kV SS Yedula of district Wanaparthy & Nagarkurnool. This section is crossing near Kanimetta village on NH-44 (Bangalore -Hyderabad Highway) between Location No.24/0 & 25/0. This section of the National Highway is under the control of Project Director, Project Implementation Unit, NHAI, Hyderabad.

Stringing would be executed by Transmission Corporation of Telangana Limited through agency M/s.Larsen & Tubro Ltd, Chennai.

In this context, I (Sri. Vislavath Ramu, Executive Engineer-1/400kV Const./Rural/Erg/Hyderabad), on behalf of TSTRANSCO here by undertake that during the 6 laning or further development works in Kothakota town section of NH-44 of the National Highway 44, TSTRANSCO would relocate the transmission lines at own cost as per the instructions of NHAI.


Sri. Vislavath Ramu,
Executive Engineer-1
400kV /Const./Rural/Hyd.



తెలంగాణ తేలంగానా TELANGANA

K. Chitra Kala
AE 488247

Sl. No. 5188 Date: 19-05-2021
SOLD TO: V. RAMU
S/O, V. RAMU SINGH R/O, HYDERABAD
FOR WHOM: self

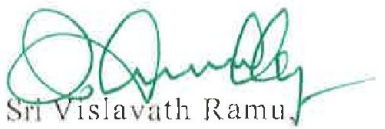
K. CHITRA KALA
LICENSED STAMP VENDOR
LIC. No. 15-11-037/2013,
R.L. No. 15-11-024/2019,
PLOT NO: 70, 102, SARASWATHI ENCLAVE,
BHAGYANAGAR COLONY, KUKATPALLY,
R.R. DISTRICT, TELANGANA, CELL: 996661711

UNDER TAKING

It is proposed to carry out stringing activity of 400kV Transmission line which is passing from 400/220 kV Velloor SS to 400/11kV SS Yedula of district Wanaparthy & Nagarkurnool. This section is crossing near Kanimetta village on NH-44 (Bangalore -Hyderabad Highway) between Location No.24/0 & 25/0. This section of the National Highway is under the control of Project Director, Project Implementation Unit, NHAI, Hyderabad.

Stringing would be executed by Transmission Corporation of Telangana Limited through agency M/s.Larsen & Tubro Ltd, Chennai.

In this context, I (Sri. Vislavath Ramu, Executive Engineer-1/400kV Const/Rural/Erg/Hyd), on behalf of TSTRANSCO here by undertake that TSTRANSCO would pay or compensate for the damage caused to the NHAI property as per the directions of the PD, PIU, NHAI, Hyderabad on National Highway section of NH-44 during the execution of the above work.


Sri Vislavath Ramu,
Executive Engineer-1,
400kV /Const./Rural/Hyd.



१८-१२-२०२१
తెలంగాణ తెలంగాణ TELANGANA

SL. NO. 13208 DATE: 15-12-2021
SOLD TO: V. RAMU
S/O: RAMU SINGH R/O, HYDERABAD, T.S.
FOR WHOM: SELF


१८-१२-२०२१
K. CHITRA KALA
AN 397002
LICENSED STAMP VENDOR
LIC. No. 18-13-037/2013,
R.L. No. 18-13-037/2019,
PLOT NO: 70, 1st & 2nd FLOOR ENCLAVE
BHAGYANAGAR COLONY, KATAPALLI
R.R. DISTRICT, TELANGANA. CELL: 986601

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

Agreement to lay Electrical Overhead line (Transmission line) at Chainage in between Km. 125/2 & Km. 125/4 on NH-44 of Bangalore - Hyderabad near Kanimetta Village, Kothakota Mandal, Wanaparthy District in the state of Telangana of NH-44 Land of National Highway Authority of India..

An AGREEMENT made this Fifteenth (15th) day of December (month) of Twenty Twenty One(2021) between National Highways Authority of India. Regional Officer-cum-Highway Administrator, Hyderabad acting in his executive capacity through NHAI (here in after 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, The Executive Engineer-I/400kV/Const/Rural/Hyderabad, TS TRANSCO a company registered under the Company Act, 1956 and having its Circle Office at O/o.SE/400kV/Construction Rural/Hyderabad with HQ at Hyderabad (herein after called the "Licensee") which expression shall unless excluded by repugnant to the context, include his successors/ administrator assignees on the second part.

Whereas the Authority is responsible; inter-alia, for development and maintenance of lands in Km. 125/2 & 125/4 of NH-44 ROW.


Executive Engineer-I
400KV/Const./Rural,
TSTRANSCO, Hyderabad.


Whereas the licensee proposes to lay transmission line referred to as utility services in subsequent paras.

Whereas the licensee has applied to the Authority for permission to lay utility services at road crossing in between Km. 125/2 & 125/4, near Kanimetta (Village), Kothakota (Mandal), Wanaparthy District span between Loc. No. AP-24/0 and Loc.No. AP-25/0 in 244 Mts span of road crossing on NH-44.

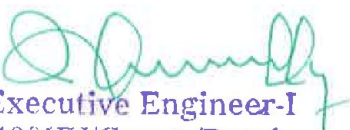
And whereas the Authority has agreed to grant such permission for way leave on the NH RoW as per terms and conditions hereinafter mentioned.

Now this agreement witnesseth that in consideration of the conditions here in after 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.
4. The Licensee shall pay license fees Rs. NIL 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/ 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.


Executive Engineer-I
400KV/Const./Rural,
TS TRANSCO, Hyderabad.


6. Present policy of the MoRT&H s 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 diain.
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 railing/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.
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 metre 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 lease 0.3m below the drain inverts.
14. The utility services shall cross the National Highway preferable on a line normal to it or as nearly so as practicable.


Executive Engineer-I
400KV/Const./Rutal,
TSTRANSCO, Hyderabad.

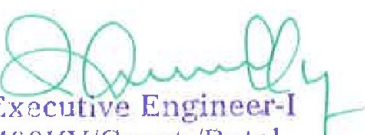
15. The casing/conduit pipe for crossing the road may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.
16. In case of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should 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 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 predetermined time schedule and quality standards.
19. Prior to commencement of any work on the ground, a performance Bank Guarantee Rs. NIL per route meter 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 dalliage 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 coordination 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 coordination 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.
25. Grant of License is subject to the Licensee satisfying (a) minimum disruption of traffic and (b) nodamage 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


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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 is 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.
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.


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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.
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.



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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 methodology for crossing of 400kV line between chainage Km125/2 & 125/4 near Kanimetta Village of project highway NH-44 is by availing traffic lock for 1 Hour in 3 intervals of 20 minutes each**

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 HERE TO HAVE CAUSED THIS AGREEMENT TO BE EXECUTED THROUGH THEIR RESPECTIVE AUTHORISED REPRESENTATIVES THE DAY AND THE YEAR FIRST ABOVE WRITTEN.

SIGNED BY THE LICENSEE


Executive Engineer-I
400KV/Const./Rural,
TSTRANSCO, Hyderabad.

SIGNED SEALED AND DELIVERED FOR AND BEHALF OF
AUTHORITY BY

(Signature, name & address with stamp) (Signature, name & address with stamp)

HOLDER OF GENERAL POWER OF ATTORNEY DATED _____ EXECUTED IN ACCORDANCE
WITH THE RESOLUTION NO _____ DATED _____ PASSED BY THE BOARD
OF DIRECTOR IN THE MEETING HELD ON _____

In the presence of (WITNESSES)

1.

2.

In the presence of (WITNESSES)

1.

2.

Mandal-
District-

1

RHS

125/2

Boundary

RHS

Berm



CW

CL

End

CW

16.910144,
78.177881

550m

16.915068,
78.178188

NHAI-44 Kurnool Road

60

Start

30

30

16.921370,
78.179653

16.937896,
78.182336

Boundary

17.516623,
78.282406



17.519423,
78.278501

16.918210,
78.179208

16.921279,
78.179766

16.953610,
78.181562

Peddapally

LHS

Shankar
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400KV/Const./Rural,
TSTRANSCO, Hyderabad.

Sanjay
Asst. Executive Engineer
400KV/Const./SD-I/Rural,
TSTRANSCO, Erugadda, Hyd-40
Thendipally to Kurnool Project

Project Engineer

Asst. Executive Engineer
400KV/Const./SD-I/Rural,
TSTRANSCO, Erugadda, Hyd-40
Thendipally to Kurnool Project

Sanjay

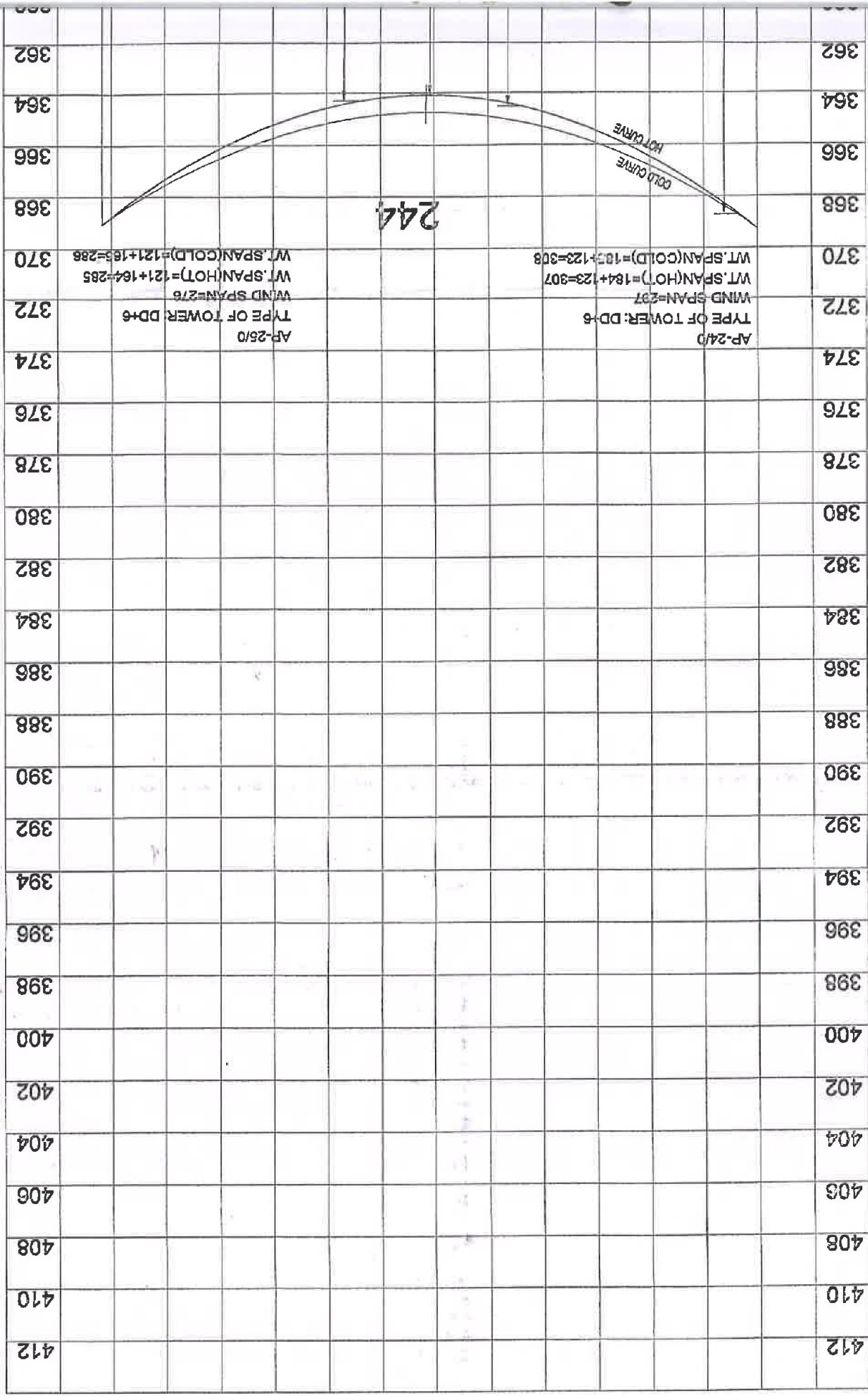
PLS-GADD Profile Drawing of 400kV D/C GUAD TL

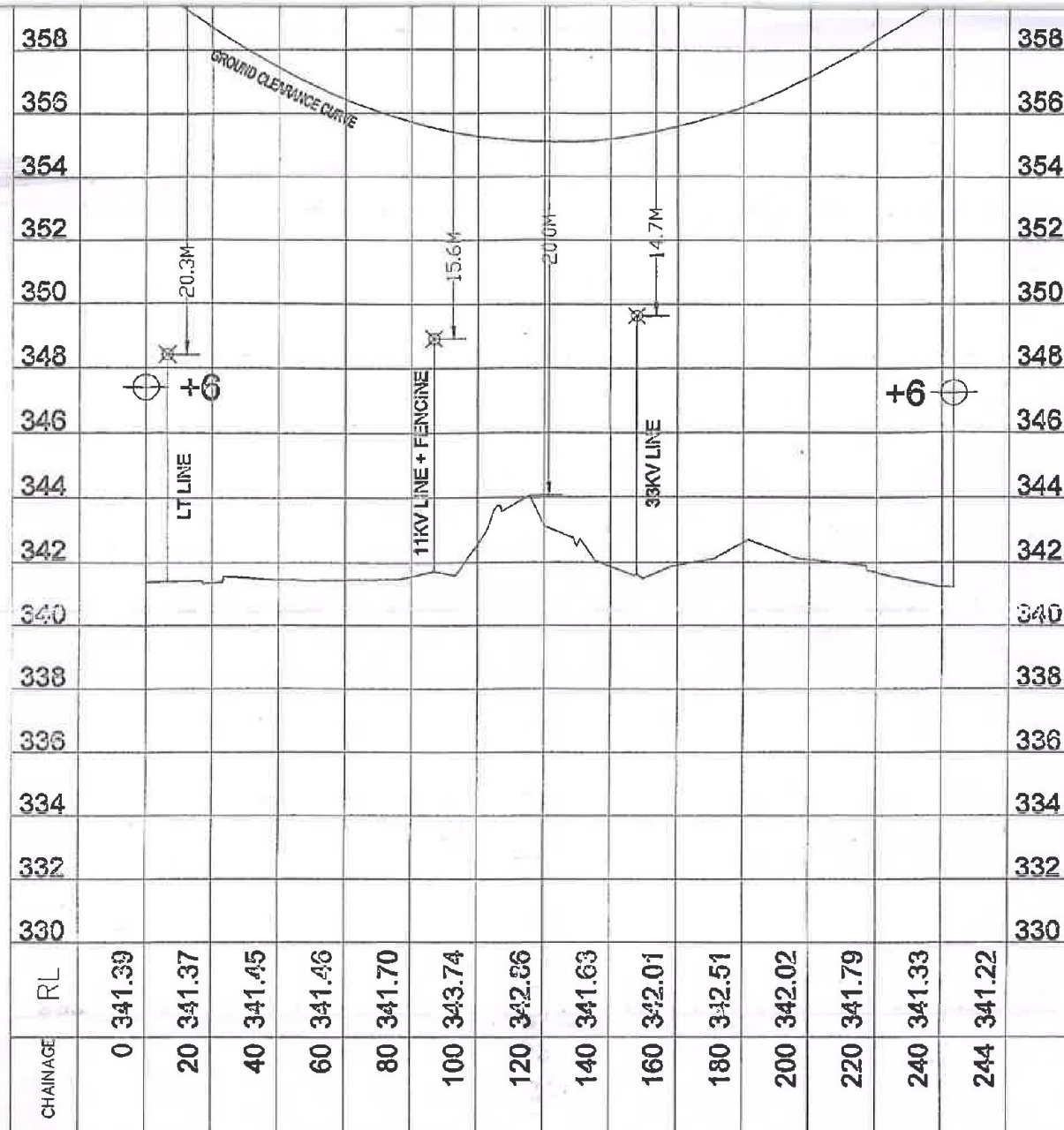
Tower Spotting Data for 400KV QMDC TL (Wind Zone-3, 44m/s)

1). Conductor	ACSR MOOSE
2). Cable Diameter	31.77mm.
3). Area of Conductor	597 Sq. mm.
4). Unit Weight of Conductor	2.004 Kg./M.
5). Normal Span (Ruling Span)	400 Mtr.
6). Ground Clearance (Including Sag error of 0.15m)	8.99 Mtr.
7). Sag Tension For Hot Curve (75° Temp, No Wind)	2930.8 Kg.
8). Sag Tension For Cold Curve (5° Temp, No Wind)	3372.2 Kg.

NOTES

- 1) ALL DIMENSIONS ARE IN M.
- 2). ELECTRICAL CLEARANCE FOR RAILWAY CROSSING DETAILS:-
- i) PRIOR APPROVAL OF RAILWAY AUTHORITY IS TO BE OBTAINED.
- ii) MINIMUM CLEARANCE BETWEEN LOWEST POINT OF 40KV LINE CONDUCTOR AND RAIL LEVEL SHALL BE 17.80M. HOWEVER APPROVAL OF RAILWAY CROSSING FROM RAILWAY AUTHORITY HAS TO BE OBTAINED IN EACH CASE.
- iii) THE CROSSING SPAN SHALL BE LIMITED TO 300 M.
- iv) THE CROSSING SHALL NORMALLY BE AT RIGHT ANGLE TO THE RAILWAY TRACK.
- v) CROSSING SHOULD BE DONE WITH 'D' TYPE TOWER.
- 3). MINIMUM CLEARANCE FOR POWER LINE CROSSING
- i) FOR 400KV : 5480MM
- ii) FOR 220KV : 5490MM
- iii) FOR 132KV : 5480MM
- 4). TELECOMMUNICATION LINE CROSSING:-
- THE ANGLE OF CROSSING SHALL BE AS NEAR TO 90° AS POSSIBLE. HOWEVER DEVIATION TO THE EXTENT OF 60° MAY BE PERMITTED UNDER EXCEPTIONALLY DIFFICULT SITUATIONS.
- 5). THE NUMBER OF CONSECUTIVE SPANS BETWEEN THE SECTION POINTS SHALL NOT EXCEED 15 OR 5KM IN PLAIN TERRAIN, AND 10 SPANS OR 3KM IN HILLY TERRAIN. A SECTION POINT SHALL COMPRISE OF TENSION POINT WITH DB/B TYPE OR DC/C TYPE OR DD/D TYPE TOWERS AS APPLICABLE.
- 6). MINIMUM GROUND CLEARANCE REQUIRED : $8.84M + SAG ERROR 0.15M = 8.99M$
- 7). FOR ALL NATIONAL HIGHWAY CROSSING, TENSION TOWER IS TO BE USED AND THE CROSSING SPAN IS NOT TO EXCEED 250METERS.
- 8). WAY LEAVE CLEARANCE: 26M EITHER SIDE FROM THE C.L. OF THE TOWER
- 9). MAXIMUM DEVIATION OF LINE FOR DEAD END TOWER SHALL BE 15° BOTH SIDE i.e. LINE SIDE AND SUBSTATION SIDE (SLACK SPAN SIDE)
- 10). HORIZONTAL SCALE 1CM = 20M
- 11). VERTICAL SCALE 1CM = 2M
- 12). UTM (ZONE - 44Q) COORDINATE SYSTEM HAS BEEN ADOPTED FOR DETAILED SURVEY





elay
Team Leader
 Aarvee Associates Architects
 Engineers & Consultants Pvt. Ltd.
 Thondupally to Kurnool Project

Shree
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B. nelli
Assistant Executive Engineer
 400KV / SD-1 / Const / Rural
 TSTRANSCO, Erragadda, Hyd.

K. H. J.
Asst Engineer
 400KV/Const./Rural/SD-1
 TSTRANSCO, Erragadda, Hyd.



CLIENT :
**TRANSMISSION CORPORATION OF
 TELANGANA LIMITED**

PROJECT :
 400kv QMDC line from proposed 400/11kv Yedula SS to Proposed 400/11kv Veltloor SS
 UNDER PALAMURU-RANGAREDDY LIFT IRRIGATION SCHEME

SUPPLIER/CONTRACTOR :
L&T Construction
 Power Transmission & Distribution

TITLE :
 NATIONAL HIGHWAY-44 CROSSING
 FROM AP 24/0 TO AP 25/0
 (SECTION LENGTH : 0.244KM)
 (WZ-3)

PROJ. DIRECTOR
PROJECT DIRECTOR
 NATIONAL HIGHWAYS AUTHORITY OF INDIA
 PROJECT IMPLEMENTATION UNIT
 HYDERABAD - 500 034

VERT. 1 : 200
 HOR. 1 : 2000
 PROJECTION

 SIZE
 A1
 REV
 0

CONTRACTOR (L&T)	SURVEYED BY	CHECKED BY	SUBMITTED BY
	<i>P. S.</i>	<i>P. S.</i>	<i>Cey</i>
CLIENT (TSTRANSCO)			

RELEASED FOR ☐ PRELIMINARY ☐ TENDER ☐ INFORMATION ☒ APPROVAL ☐ CONSTRUCTION

