



## भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

### National Highways Authority of India

(Ministry of Road Transport & Highways)

#### क्षेत्रीय कार्यालय - हैदराबाद

प्रथम तल, नया भवन, भारतीय प्रशासनिक स्टाफ कॉलेज, कॉलेज पार्क काँपस, रोड नंबर-3, बंजारा हिल्स, हैदराबाद-500 034. तेलंगाना

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.

टेली / Tele : 040 - 29562147 / 48

ई-मेल / E-mail : rohyderabad@nhai.org  
nhairohyd@gmail.com



भारतमाला  
राष्ट्रीय के पथ पर आगम  
BHARATMALA  
ROAD TO PROSPERITY

#### Notice Inviting Public Comments

NHAI/RO-HYD/25011/1/23/2021/Utility/869

Dt.12.07.2021

**Sub:** NHAI - RO Hyderabad - PIU Hyderabad- Construction of 400KV QMDC Line from YTPP, Damaracherla to 400KV SS Jangaon- Crossing of 400KV line between chainage, km.106/600 to Km.106/800 of the National Highway, Hyderabad to Vijayawada section of NH-65 in the State of Telangana- Stringing of line across NH-65- - **Reg.**

**Ref:** 1. PIU Hyderabad Ir no. NHAI/PIU-HYD/NH-65/Hyd-Vij/2021/813, dt:07.06.2021

The Project Director, PIU, NHAI, Hyderabad vide letter cited above has submitted a proposal of Executive Engineer, TSTRANSCO, Warangal regarding Crossing of 400KV line between chainage, km.106/600 to Km.106/800 of the National Highway, Hyderabad to Vijayawada section of NH-65 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

Yours faithfully,

Encls: Above Proposal

(V. Nagamani)

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- Construction of 400KV QMDC Line from YTPP, Damaracherla to 400KV SS Jangaon- Crossing of 400KV line between chainage, km.106/600 to Km.106/800 of the National Highway, Hyderabad to Vijayawada section of NH-65 in the State of Telangana- Stringing of line across NH-65- - **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)

## National Highways Authority of India

(Ministry of Road Transport & Highways)

परियोजना कार्यान्वयन इकाई - हैदराबाद / **Project Implementation Unit - Hyderabad**

आवास सं : 25A & 28A, भारत का प्रशासनिक स्टाफ कॉलेज,

कॉलेज पार्क कैम्पस, सड़क सं : 3, बंजारा हिल्स, हैदराबाद - 500 034, तेलंगाना

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 / E-mail : [hyd@nhai.org](mailto:hyd@nhai.org)  
[nhaihyd@gmail.com](mailto:nhaihyd@gmail.com)



NHAI/PIU-Hyd/NH-65/Hyd-Vij/2021/

813

Date: 07.06.2021

To

The Regional Officer

National Highways Authority of India

Regional Office, 1<sup>st</sup> Floor, New Building,

ASCI, College park campus, Road No. 3,

Banjara Hills, Hyderabad- 500 034

**Sub: Design, Construction, Development, Finance, Operation and Maintenance of 4/6 laning of Hyderabad- Vijayawada section from Km. 40/000 to 221.500 in the state of Telangana and Andhra Pradesh-Contract Package No. NHDP-III/BOT/AP/01 400KV/Construction -Division-I/Warangal- Crossing of 400KV line between chainage, KM. 106/600 to Km. 106/800- Approval requested -reg**

- Ref 1 EE TS TRANSCO Letter No.EE/400KV/Const.-I/Wgl/F.No.NHAI/D.No.125/21 Dt. 24.05.2021
- 2 Letter .No. NHAI/PIU-Hyd/NH-65/Hyd-Vij/TS Transco/2021/672 Dt. 06.05.2021
- 3 Letter No.K&J/IE/O&M/NH65/Hyd-Vij/2021-22/April-17 Dt. 27.04.2021
- 4 EE TS TRANSCO Letter No.EE/400KV/Const.-I/Wgl/F.No.NHAI/D.No.989/20 Dt. 19.03.2021

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Sir,

This has reference to the Executive Engineer, TS Transco letter 4<sup>th</sup> cited, wherein it has been requested to accord approval for 400KV line crossing the subject captioned stretch. The proposal has been examined by the Independent Engineer as per MoRT&H circular no.RW/NH-33044/29/2015/S&R (R), dt. 22.11.2016 and furnished certain observations vide letter 3<sup>rd</sup> cited.

2. In this connection, EE TS TRANSCO vide letter 1<sup>st</sup> cited has submitted the following compliance report to IE observations.

- The proposed 400KV line crossing the Project Highway between Km. 106.600 to Km. 106.800 near Aitipamula.
- The line crossing span between towers is 223m.
- 2 No's, 400KV towers to be erected.
  - Loc.No.35/0 towards LHS is 109m away from road center line
  - Loc.No.36/0 towards RHS is 114m away from road center line
- The drawings with authorized signature are enclosed.
- The height of the 400KV towers (Loc.No. 35/0 & 36/0) is 58m from ground level as shown in the drawing.
- The height of bottom conductor of the line to the road is 24.71m as shown in the drawing.

- (vii) The methodology for crossing of 400KV line between chainage Km.106+600 to 106+800 is by availing traffic block for 1Hour in 3 intervals of 20 minutes each.

3. In this regard, the above proposal is examined in this office & found to be in order and recommended for approval of Highway Administrator.

Encl: As above

Yours faithfully

(P.Nageswara Rao)

GM (T) cum Project Director

Copy to: EE TS TRANSCO, Warangal for information.



**TRANSMISSION CORPORATION OF TELANGANA LIMITED**

From,  
Executive Engineer  
400KV Construction-I,  
TS TRANSCO, Warangal.  
Mail ID: ee400kvc2wgl@gmail.com  
Mobile No.8985041542

To,  
The Project Director,  
National Highways Authority of India,  
Project Implementation unit,  
25A&28A,ASCI campus, Near TV9 office,  
Road no.3,Banjara Hills,Hyderabad-500034.  
Phone No.040-29550558

2965  
28 MAY 2021

Lr. No. EE/400KV/Const.-I /Wgl/F.No.NHAI /D.No.125/21, Dt.24.05.2021.

Sir,

Sub: 400KV/Construction-Division-I/Warangal – **Construction of 400KV QMDC Line from YTPP, Damaracherla to 400KV SS Jangaon** – Crossing of 400KV line between chainage, Km 106/600 to 106/800 of National Highway, Hyderabad -Vijayawada (NH-65) – Proposal re-submitted – Approval - Requested -Regarding.

- Ref: 1) P.O.No.522/OM-05/CE/400KV/SE-I/D3-A2/e-EHVT-05/2019-20/  
D.No.335/20, Dt:09.11.2020.  
2) P.O.No.523/OC-06/CE/400KV/SE-I/D3-A2/e-EHVT-05/2019-20/  
D.No.336/20, Dt:09.11.2020.  
3) Lr.No.EE/400KV/Const.-I/Wgl/F.No.NHAI/D.No.989/20, Dt:19.03.2021.  
4) IE Lr.No.K&J/IE/O&M/NH65/HYD-VIJ/2021-22/April-17 dated 27.04.2021.  
5) Lr.No.NHAI/PIU-HYD/NH-65/Hyd-Vij/TS TRANSCO/2021/672,  
Dt:06.05.2021.

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Adverting to the subject cited, vide above reference 3<sup>rd</sup> cited proposal for crossing of 400KV QMDC line from YTPP, Damaracherla to 400KVSS, Jangaon between chainage, Km: 106/600 to 106/800 of National Highway, Hyderabad-Vijayawada (NH-65) submitted for approval.

Now the proposal is re-submitted duly attending the remarks which were communicated vide above reference 5<sup>th</sup>.

The clarification on the observations of "**HME cum RE of IE**" in the above subject matter as follows:

1. Now the proposed 400KV line crossing the project Highway (NH65) between Km: 106.600 to Km: 106.800 near Aitipamula village in Kattangur Mandal in Nalgonda District.
2. The line crossing span between towers is 223 meters.
3. 2 No's, 400KV towers to be erected.
  - 1) Loc.No.35/0 towards L.H.S is 109 meters away from road centre line.
  - 2) Loc.No.36/0 towards R.H.S is 114 meters away from road centre line.
4. The drawing for crossing of 400KV line between chainage Km:106+600 to Km:106+800 of project Highway (NH-65) with seal & signatures of authorized persons is herewith enclosed.
5. In drawing the existing road width mentioned as 16+16=32 meters.

(P.T.O.)

6. The ROW (Right of way) along the 400KV line is  $26+26=52$  meters as shown in the drawing.
7. The height of the 400KV towers (Loc.No.35/0 & 36/0) is 58 meters from ground level as shown in the drawing.
8. The height of the bottom conductor of the line to the road is 24.71 meters, as shown is the drawing.
9. The methodology for crossing of 400KV line between chainage Km:106+600 to Km:106+800 (near Aitipamula village of project highway (NH-65) is by availing traffic block for 1 Hour in 3 intervals of 20 minutes each. ✓

The date & time of "Traffic Block" will be intimated at latter stages of ~~work~~.

Hence, it is requested to arrange to accord approval at the earliest please to avail pre-monsoon season to take up the tower foundation works.

Encl: 1) Proposal for NH-65  
Crossing of 400KV line

Yours faithfully,



**Executive Engineer,  
400KV/Const.-I/Warangal**

Copy submitted to

The Chief Engineer/400KV/Vidyut Soudha/Hyderabad.

The Chief Engineer/400KV/Warangal.

The Superintending Engineer/400KV/Construction/Warangal.





## **TRANSMISSION CORPORATION OF TELANGANA LIMITED**

**Name of the proposal:** Laying of overhead electric line crossing of Hyderabad - Vijayawada National Highway (NH-65).

**Name of the Line:** 400KV QMDC line from YTPP, Damaracherla to 400KV SS Jangaon.

1.	National Highway No.	65 (Hyderabad – Vijayawada) ✓
2.	Location	Aitipamula (V), Kattangur (Mdl), Nalgonda (Dist), Telangana (State) (Chainage 106/600 to 106/800)
3.	Type of electric line including carrying voltage, details and purpose	400KV QMDC line from YTPP, Damaracherla to 400KV SS Jangaon
4.	Crossing span in Meters	223 Meters ✓
5.	Width of available ROW (Right of Way)	
	a) Left side from 400KV line center	26 Meters
	b) Right side from 400KV line center	26 Meters
6.	Proposal to lay over head	
	a) Left side from road center line towards increasing chainage / Km direction	109 Meters ✓
	b) Right side from road center line towards increasing chainage / Km direction	114 Meters ✓
7.	Crossing of the road involved	
	a) structure (Tower, Pole and for HT line only Tension towers) for crossing shall not be too near to the existing structures on the National Highway, the minimum distance being 15 meter	Left side 93 (109-16) Meters, (Loc.No.35/0) Right side 98 (114-16) Meters, (Loc.No.36/0)
	(i) Type of existing / proposed structure for National Highway	Tension towers (DD+9 & DD+9) ✓

**Executive Engineer**  
400KV/Construction-I  
TS Transco, Warangal.

KBonu.



## भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

### National Highways Authority of India

(Ministry of Road Transport & Highways)

परियोजना कार्यान्वयन इकाई - हैदराबाद / Project Implementation Unit - Hyderabad

आवास सं : 25A & 28A, भारत का प्रशासनिक स्टाफ कॉलेज,

कॉलेज पार्क कैम्पस, सड़क सं : 3, बंजारा हिल्स, हैदराबाद - 500 034, तेलंगाना

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 / E-mail : hyd@nhai.org

nhaihyd@gmail.com



भारतमाला  
एकरी के पथ पर विकास  
BHARATMALA  
ROAD TO PROSPERITY

NHAI/PIU-HYD/NH-65/Hyd-Vij/TS TRANSCO/2021/672

Date: 06.05.2021

To

The Executive Engineer

400 KV Construction-I,

TS TRANSCO,

Warangal - 506 001.

Email: [ee400kvc2wgl@gmail.com](mailto:ee400kvc2wgl@gmail.com)

Sub: NHAI, PIU-HYD - 4/6 laning of Hyderabad-Vijayawada section of NH-65 from Km. 40+000 to Km. 221+500 in the State of Telangana and Andhra Pradesh - 400KV/Construction-Division-I/Warangal - Construction of 400KV QMDC line from YTPP, Damaracherla to 400KV SS Jangaon - crossing of 400KV line between chainage Km. 106+600 to 106+800 of Hyderabad-Vijayawada section of NH-65 - Request to comply the Observations - Reg.

Ref: 1. EE, TS TRANSCO lr. no. EE/400KV/Const.-I/Wgl/F.No.NHAI/D.No.989/20 dated 19.03.2021

2. IE lr. no. K&J/IE/O&M/NH65/HYD-VIJ/2021-22/April-17 dated 27.04.2021, (Copy enclosed)

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Sir,

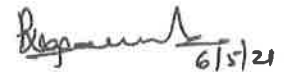
Please refer to your letter 1<sup>st</sup> cited, wherein you have submitted the subject proposal and requested this office to accord permission.

2. Vide reference 2<sup>nd</sup> cited, the Independent Engineer inspected the site and raised certain observations as mentioned therein.

3. In this regard, it is requested to comply the observations and submit the proposal online as per NHAI guidelines of MoRT&H Circular no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016.

Encl: As above

Yours faithfully,



(P. Nageswara Rao)

GM (T) cum Project Director







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applicat for  
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compl

Through email also

Date: 27.04.2021

K&J/IE/O&M/NH65/HYD-VIJ/2021-22/April-17

To

The Project Director,

National Highways Authority of India

Project Implementation Unit – Hyderabad

25A & 28A, Staff Quarters,

Administrative Staff College of India (ASCI)

College Park Campus, Road no.3, Banjara Hills,

Hyderabad – 500 034, Telangana,



Pl  
28/4/21  
ngren

Proj: Independent Engineer Services during Operation & Maintenance (O&M) for 4/6 lane stretch from Km. 40.000 to Km 221.500 of Hyderabad- Vijayawada section of NH-65 (old NH-9) Package no: NHDP-III/BOT/AP-01 in the States of Telangana and Andhra Pradesh for a total length of 181.500 kms.

Sub: 400KV/Construction –Division-I/Warangal-Construction of 400 KV QMDC line from YTPP, Damaracherla to 400KV SS Jangaon – Crossing of 400 KV line between chainage Km. 106+600 to 106+800 of Hyderabad – Vijayawada section of NH-65- Proposal submitted –Request to furnish a detailed report along with specific recommendation - Submission of IE observation. – Reg.

Ref:

1. Concessionaire letter no: GHVEPL\NH-65\TP-2\IE\5369, dated 21.04.2021
2. Email from IE office dated 17 April 2021 12:31
3. Email from PIU dated March 26, 2021 2:09PM
4. NHAI letter no: NHAI/PIU-HYD/NH-65/HYD-Vij/TS TRANSCO/2021/486, dated 26.03.2021
5. EE,TS TRANSCO letter no.: EE/400KV/Const.-I/Wgl/F.No.NHAI/S.NO.989/20 dated 19.03.2021.

Dear Sir,

Please refer to the above cited correspondence; we are in receipt of NHAI letter no.486 dated 26.03.2021, through E-mail on Fri, 26 Mar 2021 14:09:06 GMT+0530, addressed to IE and copy to the Concessionaire for information and necessary action and in the letter NHAI is stating as “Please find enclosed herewith a copy of the proposal received

**K & J PROJECTS PRIVATE LIMITED**

Site Office: H no.1-2-270-103/B/7, 1st floor, Venkateshwara Colony, District: Suryapet, State: Telangana, India, Pin 508213,  
Email: tl\_hv@knjprojects, contact@knjprojects.com, www.knjprojects.com.

Head Office: SHIVAM, 16, NIT Layout, Ravi Nagar, Nagpur – 440 033 Maharashtra, India. Tel.: +91 712 2556402  
GSTIN:27AACCK5964C1Z1 CIN No.: U45203MH2004PTC150165

Tel.: +91 712 2556402, 2556403

www.knjprojects.com

Email. contact@knjprojects.com



from Executive Engineer, 400KV/Const-I/Warangal on the above subject. In this regard, it is requested to inspect the site and examine the proposal in terms of guidelines as per Ministry of Road Transport & Highways, New Delhi vide letter MoRTH Circular no. RW/NH-33044/29/2015/S&R (R), dated 22.11.2016 and furnish a detailed report along with specific recommendation by 02.04.2021. It is also requested to obtain consent from the Concessionaire on the above proposal."

In response the Concessionaire vide their letter no. 5369, dated 21.04.2021 had submitted their observations through E-mail dated: Wed 21-Apr-21 11:12 AM, and in the letter the Concessionaire is stating as "With reference to Emails attached with PIU letter no NHA/PIU-HYD/NH-65/Hyd-Vij/TS TRANSCO/2021/486 dated 26.03.2021 we would like to submit that, the proposed location of crossing of 400 KV line between chainage 106+600 to 106+800 of project Highway has been verified. It is near Aitipamula village of Kattangur Mandal in Nalagonda District and proposing for erecting of 2 nos. of 400 KV towers on either side of highway i.e. at their location number of 35/0 & 36/0, which is in LHS and RHS respectively.

Keeping in view of additional load demand required to the state, it is observed and should follow with the Checklist attached and crossing of line with vertical clearance of 9 meter ✓

This is for your kind information Please".

On receipt of the Concessionaire letter no. 5369, dated 21.04.2021, HME cum RE of IE has visited the site for the review of the proposal in terms of guidelines as per Ministry of Road Transport & Highways, New Delhi vide letter MoRTH Circular no. RW/NH-33044/29/2015/S&R (R), dated 22.11.2016, and he has noted the observations as below:

1. The Applicant has proposed the electric line crosses the Project Highway between Km: 106.600 to Km: 106.800. ✓
2. The Applicant has proposed the crossing span between towers is 223 meters. ✓
3. in the drawing, the applicant has mentioned that erection of 2 No's 400KV towers at location no. (i) 35/0 is 109 meters on RHS & (ii) 36/0 is 114 meters on LHS are away from Project Center line. ✓
4. Further, it is noted and found that the applicant has enclosed the drawing for crossing of 400 KV line between chainage 106+600 to 106+800 of project Highway without seal and signature of the Authorized person of client & the agency.
5. It is to mention that, in the submitted check list, the towers are oppositely mentioned 35/0 is on LHS & tower 36/0 is on RHS. ✓

#### **K & J PROJECTS PRIVATE LIMITED**

Site Office: H no.1-2-270-103/B/7, 1st floor, Venkateshwara Colony, District: Suryapet, State: Telangana, India, Pin 508213,  
Email: tl\_hv@knjprojects, contact@knjprojects.com, www.knjprojects.com.

Head Office: SHIVAM, 16, NIT Layout, Ravi Nagar, Nagpur - 440 033 Maharashtra, India. Tel.: +91 712 2556402  
GSTIN:27AACCK5964C1Z1 CIN No.: U45203MH2004PTC150165



6. In the given check list, the applicant has mentioned that the available ROW at this location is 26 meters on LHS & 26 meters on RHS. And in the drawing the ROW was mentioned as 16 meters on either side of Project Center Line. Whereas the ROW at this location is 30 meters on both sides from Project Center line.
7. As per the discussion with the representative of TS Transco Engineer, the height of the 400KV towers is  $DD+9 = 49+9 = 58$  meters from the ground level. ✓
8. As per the drawing submitted by the applicant the vertical clearance at proposed location is 24.71 meters from the Finished Road level, as reference to the manuals on construction and operation practice of EHV substations and lines and commercial and load dispatches operations VOL-II page no.24 and electrical clearance to be maintained for overhead line as per CEA safety regulation 2010 & other manuals is recommending for vertical clearance for 400 KV as 12.5 meter ✓
9. As per MoRTH Circular no. RW/NH-33044/29/2015/S&R(R) dated: 22.11.2016, Clause: 3.6 – When utilities are allowed overhead, the horizontal and vertical clearance in accordance with the IRC shall be maintained. ✓
10. The applicant has not enclosed the Methodology for crossing of 400 KV line between chainage 106+600 to 106+800 of project Highway.

In view of the above observations and in light of MoRTH Circular no. RW/NH-33044/29/2015/S&R(R) dated: 22.11.2016, the authority is requested to kindly obtain the IE aforesaid compliance from the Applicant for taking up further necessary action.

Thanking you,

Yours faithfully,

For K&J Projects Private Limited

Signed by: Mohammad Shafiq  
Alam  
Reason: Approved  
Location: Pune, India  
Date: 28-Apr-2021 (13:12 PM)



(SHAHBAZ ALAM)

Team Leader

Copy to:

1. The Project Manager – GHVEPL – Korlapahad – for information and necessary action.
2. Executive Director, K & J Projects Pvt. Ltd. Pune - for information please.
3. Highway Cum Resident Engineer, Hyderabad – Vijayawada Project - for information.

#### K & J PROJECTS PRIVATE LIMITED

Site Office: H no.1-2-270-103/B/7, 1st floor, Venkateshwara Colony, District: Suryapet, State: Telangana, India, Pin 508213,  
Email: tl\_hv@knjprojects, contact@knjprojects.com, www.knjprojects.com.

Head Office: SHIVAM, 16, NIT Layout, Ravi Nagar, Nagpur – 440 033 Maharashtra, India. Tel.: +91 712 2556402  
GSTIN:27AACCK5964C1ZJ CIN No.: U45203MH2004PTC150165



**TRANSMISSION CORPORATION OF TELANGANA LIMITED**

From,  
Executive Engineer  
400KV Construction-I,  
TS TRANSCO, Warangal.  
Mail ID: ee400kvc2wgl@gmail.com  
Mobile No.8985041542

To,  
The Project Director,  
National Highways Authority of India,  
Project Implementation unit,  
25A&28A,ASCI campus, Near TV9 office,  
Road no.3,Banjara Hills,Hyderabad-500034.  
Phone No.040-29550558

Lr. No. EE/400KV/Const.-I /Wgl/F.No.NHAI /D.No.125/21, Dt.24.05.2021.

Sir,

Sub: 400KV/Construction-Division-I/Warangal – **Construction of 400KV QMDC Line from YTPP, Damaracherla to 400KV SS Jangaon** – Crossing of 400KV line between chainage, Km 106/600 to 106/800 of National Highway, Hyderabad -Vijayawada (NH-65) – Proposal re-submitted – Approval - Requested -Regarding.

Ref: 1) P.O.No.522/OM-05/CE/400KV/SE-I/D3-A2/e-EHVT-05/2019-20/  
D.No.335/20, Dt:09.11.2020.  
2) P.O.No.523/OC-06/CE/400KV/SE-I/D3-A2/e-EHVT-05/2019-20/  
D.No.336/20, Dt:09.11.2020.  
3) Lr.No.EE/400KV/Const.-I/Wgl/F.No.NHAI/D.No.989/20, Dt:19.03.2021.  
4) IE Lr.No.K&J/IE/O&M/NH65/HYD-VIJ/2021-22/April-17 dated 27.04.2021.  
5) Lr.No.NHAI/PIU-HYD/NH-65/Hyd-Vij/TS TRANSCO/2021/672,  
Dt:06.05.2021.

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Adverting to the subject cited, vide above reference 3<sup>rd</sup> cited proposal for crossing of 400KV QMDC line from YTPP, Damaracherla to 400KVSS, Jangaon between chainage, Km: 106/600 to 106/800 of National Highway, Hyderabad-Vijayawada (NH-65) submitted for approval.

Now the proposal is re-submitted duly attending the remarks which were communicated vide above reference 5<sup>th</sup>.

The clarification on the observations of "HME cum RE of IE" in the above subject matter as follows:

1. Now the proposed 400KV line crossing the project Highway (NH65) between Km: 106.600 to Km: 106.800 near Aitipamula village in Kattangur Mandal in Nalgonda District.
2. The line crossing span between towers is 223 meters.
3. 2 No's, 400KV towers to be erected.
  - 1) Loc.No.35/0 towards L.H.S is 109 meters away from road centre line.
  - 2) Loc.No.36/0 towards R.H.S is 114 meters away from road centre line.
4. The drawing for crossing of 400KV line between chainage Km:106+600 to Km:106+800 of project Highway (NH-65) with seal & signatures of authorized persons is herewith enclosed.
5. In drawing the existing road width mentioned as 16+16=32 meters.

(P.T.O.)



6. The ROW (Right of way) along the 400KV line is  $26+26=52$  meters as shown in the drawing.
7. The height of the 400KV towers (Loc.No.35/0 & 36/0) is 58 meters from ground level as shown in the drawing.
8. The height of the bottom conductor of the line to the road is 24.71 meters, as shown is the drawing.
9. The methodology for crossing of 400KV line between chainage Km:106+600 to Km:106+800 (near Aitipamula village of project highway (NH-65) is by availing traffic block for 1 Hour in 3 intervals of 20 minutes each.

The date & time of "Traffic Block" will be intimated at latter stages of work.

Hence, it is requested to arrange to accord approval at the earliest please to avail pre-monsoon season to take up the tower foundation works.

End: 1) Proposal for NH-65  
Crossing of 400KV line

Yours faithfully,



**Executive Engineer,  
400KV/Const.-I/Warangal**

Copy submitted to

The Chief Engineer/400KV/Vidyut Soudha/Hyderabad.

The Chief Engineer/400KV/Warangal.

The Superintending Engineer/400KV/Construction/Warangal.



## **TRANSMISSION CORPORATION OF TELANGANA LIMITED**

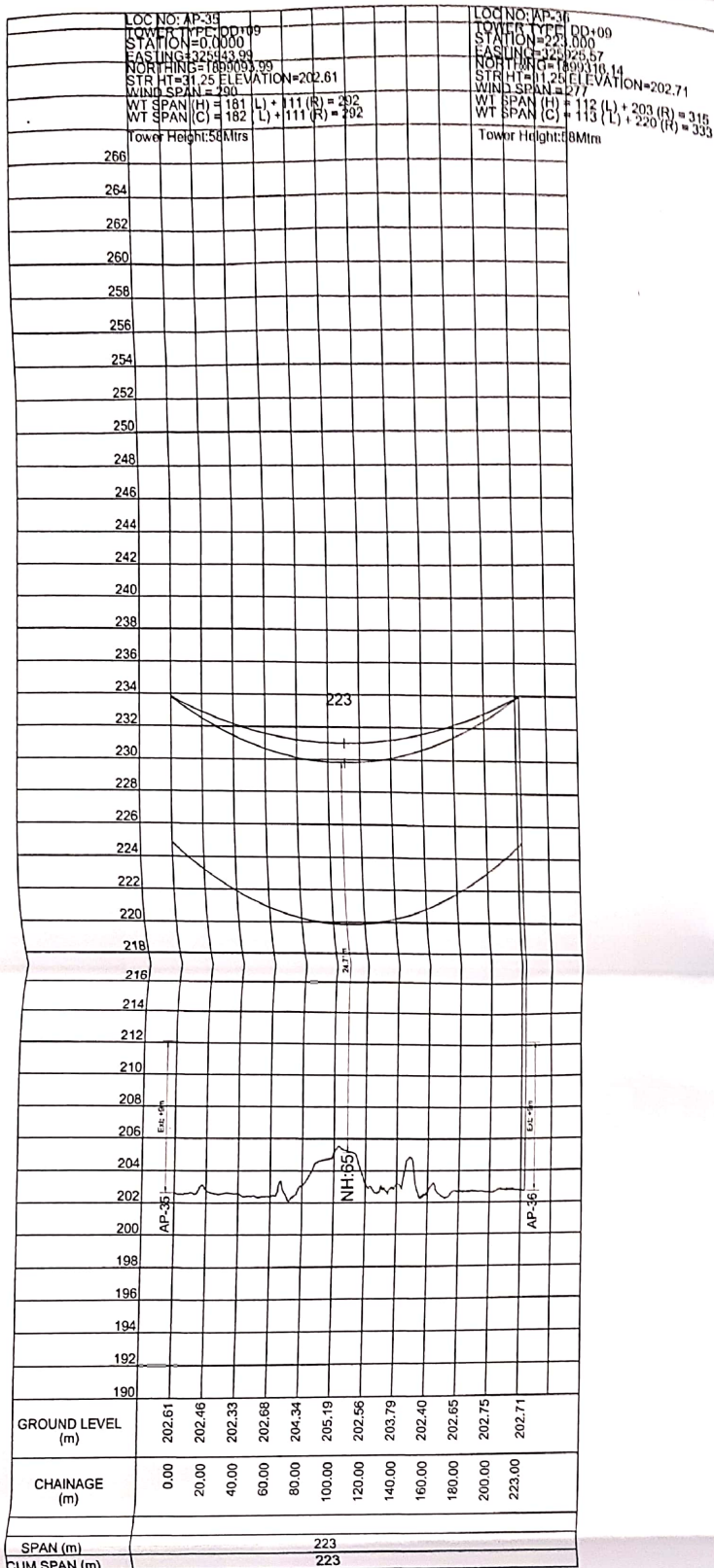
**Name of the proposal:** Laying of overhead electric line crossing of Hyderabad - Vijayawada National Highway (NH-65).

**Name of the Line:** 400KV QMDC line from YTPP, Damaracherla to 400KV SS Jangaon.

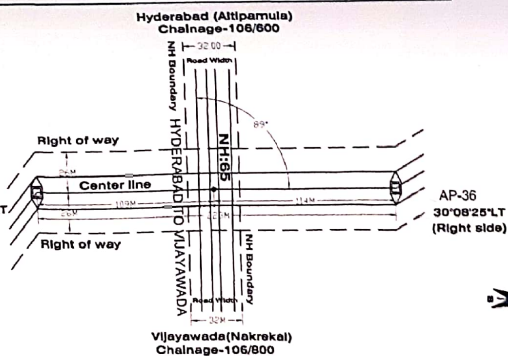
1.	National Highway No.	65 (Hyderabad – Vijayawada)
2.	Location	Aitipamula (V), Kattangur (Mdl), Nalgonda (Dist), Telangana (State) (Chainage 106/600 to 106/800)
3.	Type of electric line including carrying voltage, details and purpose	400KV QMDC line from YTPP, Damaracherla to 400KV SS Jangaon
4.	Crossing span in Meters	223 Meters
5.	Width of available ROW (Right of Way)	
	a) Left side from 400KV line center	26 Meters
	b) Right side from 400KV line center	26 Meters
6.	Proposal to lay over head	
	a) Left side from road center line towards increasing chainage / Km direction	109 Meters
	b) Right side from road center line towards increasing chainage / Km direction	114 Meters
7.	Crossing of the road involved	
	a) structure (Tower, Pole and for HT line only Tension towers) for crossing shall not be too near to the existing structures on the National Highway, the minimum distance being 15 meter	Left side 93 (109-16) Meters, (Loc.No.35/0) Right side 98 (114-16) Meters, (Loc.No.36/0)
	(i) Type of existing / proposed structure for National Highway	Tension towers (DD+9 & DD+9)

**Executive Engineer**  
400KV/Construction-I  
TS Transco, Warangal,

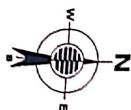




Towards YTPP  
Damaracherla



Towards  
Janagaon SS



# PLS-CADD PROFILE DRAWING OF 400KV QMDC LINE TOWER SPOTTING DATA FOR 400KV QMDC LINE (Wind Zone-3,44m/s)

1) Conductor	ACSR MOOSE
2) Cable Diameter	31.77mm
3) Area of Conductor	697 Sq.mm
4) Unit Weight of Conductor	2.004 Kg/M
5) Normal Span (Ruling Span)	400 Mtr.
6) Maximum Sag @ 75D Temperature, No Wind	13.257 Mtr.
7) Ground Clearance (Including Sag Error of 0.16m)	8.99 Mtr.
8) Sag Tension For Hot Curve (75D Temp, No Wind)	3023.2 Kg.
9) Sag Tension For Cold Curve (5D Temp, No Wind)	3878.8 Kg.

DESCRIPTION	Clearance Required (M)
GROUND CLR.+SAG ERROR	8.99
POWER LINE CROSSING	5.49
RAILWAY LINE CROSSING	10.20
NH CROSSING	12.0

## Notes:

- All Dimensions are in Meter otherwise stated.
- Electrical clearance for Railway crossing Details.
  - Prior approval of Railway Authority is to be Obtained.
  - Minimum Clearance between Lowest Point of 400KV line conductor and Rail level shall be 10.2M. However approval of Railway crossing from Railway Authority has to be obtained in each case.
  - The crossing span shall be limited to 300M.
  - The crossing shall normally be at Right Angle to the Railway track.
  - Crossing Should be done with 'DD' type towers.
- Minimum Clearance for Power line Crossing
  - For 400 KV: 5.49Mtrs
  - For 220 KV: 5.49Mtrs
  - For 132 KV: 5.49Mtrs
- Telecommunication line crossing.
 

The angle of crossing shall be as near 90° as possible. However Deviation to the extent of 30D may be permitted under exceptionally difficult situation.
- The number of consecutive spans between the section point shall not exceed 15 spans or 5KM in plane 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 tower as applicable.
- For all National Highway crossing Tension Tower is to be used and the crossing span is not to exceed 250Mtrs.
- Way leave clearance: 28.0mtrs Either side from the Center line.
- Maximum Deviation of line for Dead end Tower shall be 15° Both side i.e. Line side and Substation side (slack span side).
- Horizontal Scale 1CM=20Mtrs
- Vertical Scale 1CM=2Mtrs

NAME OF THE WORK :- Construction of 400KV QMDC LINE FROM YTPP DAMARACHERLA TO 400/220 KV SS JANAGAON

CLIENT : TRANSMISSION CORPORATION OF TELANGANA LIMITED

Executing Agency: MEGHA ENGINEERING & INFRASTRUCTURES LTD

SECTION: AP 35 TO AP 36 (Length: 0.223Kms)

Dwg Title: NATIONAL HIGHWAY NO:65 CROSSING PROPOSAL

FOR MEIL  
Surveyed by

TS TRANSCO  
Checked by

Checked by

Recommended by

Submitted by

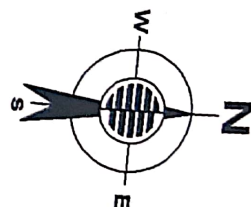
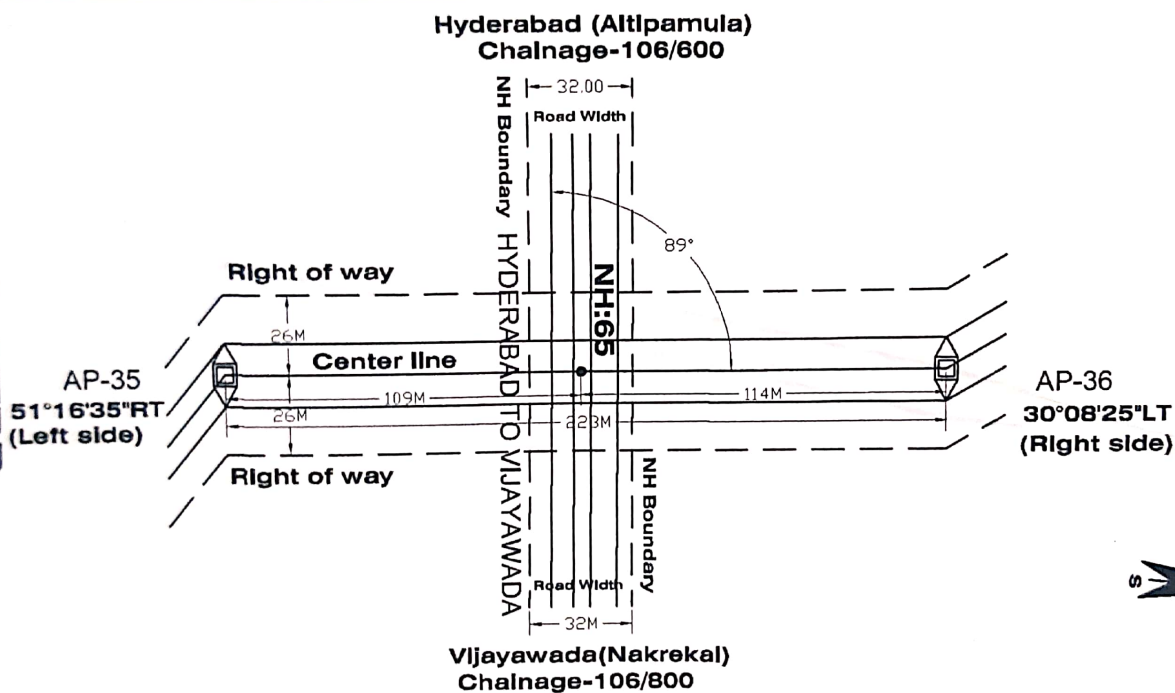
Approved by



SCALE HOR 1:2000 VER 1:200 Drawing No:

Towards YTPP  
Damaracherla

Towards  
Janagaon SS



PLS-CADD PROFILE DRAWING OF 400KV QMDC LINE  
TOWER SPOTTING DATA FOR 400KV QMDC LINE(Wind Zone-3,44m/s)

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DESCRIPTION	Clearance Required (M)
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POWER LINE CROSSING	5.49
RAILWAY LINE CROSSING	19.20
NH CROSSING	12.0

**Notes:**

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  - The crossing shall normally be at Right Angle to the Railway track
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  - For 400 KV: 5.49Mtrs
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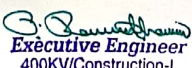

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**SECTION: AP 35 TO AP 36 (Length:0.223Kms)**

**Dwg Title:NATIONAL HIGHWAY NO:65 CROSSING PROPOSAL**

<b>FOR MEIL</b>	<b>TS TRANSCO</b>
<b>Surveyed by</b>	<b>Checked by</b>
	 Asst. Divisional Engineer 400KV/Construction-I/SD-III TS Transco, Warangal.
<b>Checked by</b>	<b>Recommended by</b>
	 Executive Engineer 400KV/Construction-I TS Transco, Warangal.
<b>Submitted by</b>	<b>Approved by</b>
	
<b>SCALE</b>	<b>Drawing No:</b>
HOR 1:2000 VER 1:200	