



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

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

क्षेत्रीय कार्यालय : 41-29-45A, सर्वे नं: 373/2A, कोदंडरामालयम्, चलसानी नगर,
रानीगरीतोटा, कृष्णालंका, विजयवाड़ा - 520 013, आंध्र प्रदेश

Regional Office : D.No. 41-29-45A, RS No. : 373/2A, Kodandaramalayam, Chalasani Nagar,
Ranigari Thota, Krishna Lanka, Vijayawada - 520 013, Andhra Pradesh

फोन / Tele : 0866 -2483910, ई-मेल / E-mail : rovijayawada@nhai.org, nhairovja@gmail.com
वेब / Web : www.nhai.gov.in



Ref: NHAI/RO-VJA /PIU-ATP/NH-44/220/Crossing/3199

Dt: 12.11.2024

To

The Sr. Technical Director,
NIC, Transport Bhawan,
New Delhi- 110001.

Sub: NHAI, RO - Vijayawada - Operation & Maintenance of Hyderabad - Bangalore section from Km.211.000 to Km.462.164 of NH-44 (Total length Km.251.164 Km) in the state of Andhra Pradesh - Erection of 220 KV DC line from existing 220/132 KV APCrabides SS to existing 220/11 KV Settypalli SS (28Km) in Kurnool District - Crossing of National Highway NH-44 (Hyderabad to Bangalore) near Bastipadu (Village), Kallur (Mandal) between the Km.225+000 to Km.226+000 towards Bangalore - Public comments - Reg.

Sir,

Please find enclosed herewith a proposal submitted by M/s. APTRANCO for according permission for - Erection of 220 KV DC line from existing 220/132 KV APCrabides SS to existing 220/11 KV Settypalli SS (28Km) in Kurnool District - Crossing of National Highway NH-44 (Hyderabad to Bangalore) near Bastipadu (Village), Kallur (Mandal) between the Km.225+000 to Km.226+000 towards Bangalore.

2. As per MORTH guidelines vide letter No. RW/NH-33044/29/2015/S&R(R) dated 22nd November 2016, the application along with the recommendations of PD, PIU-Anantapur & notice inviting public comments are enclosed herewith with a request to host the same in the Ministry's website for 30 days seeking claims and objections (on grounds of public inconvenience, safety and in the general public interest), for taking further necessary action.

Encl: As above

Yours faithfully,

(R.K. Singh, IES)

CGM (Tech.) & Regional Officer



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

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

क्षेत्रीय कार्यालय : 41-29-45A, सर्वे नं: 373/2A, कोदंडरामालयम्, चलासानी नगर,
रानीगरीतोटा, कृष्णालंका, विजयवाड़ा - 520 013, आंध्र प्रदेश

Regional Office : D.No. 41-29-45A, RS No. : 373/2A, Kodandaramalayam, Chalasani Nagar,
Ranigari Thota, Krishna Lanka, Vijayawada - 520 013, Andhra Pradesh

फोन / Tele : 0866 -2483910, ई-मेल / E-mail : rovijayawada@nhai.org, nhairovja@gmail.com
वेब / Web : www.nhai.gov.in



Ref: NHAI/RO-VJA /PIU-ATP/NH-44/220/Crossing/ 3200

Dt: 12.11.2024

INVITATION OF PUBLIC COMMENTS

Sub: NHAI, RO - Vijayawada - Operation & Maintenance of Hyderabad - Bangalore section from Km.211.000 to Km.462.164 of NH-44 (Total length Km.251.164 Km) in the state of Andhra Pradesh - Erection of 220 KV DC line from existing 220/132 KV APCrabides SS to existing 220/11 KV Settypalli SS (28Km) in Kurnool District - Crossing of National Highway NH-44 (Hyderabad to Bangalore) near Bastipadu (Village), Kallur (Mandal) between the Km.225+000 to Km.226+000 towards Bangalore - Public comments - Reg.

Please find enclosed herewith a proposal submitted by M/s. APTRANCO for according permission for - Erection of 220 KV DC line from existing 220/132 KV APCrabides SS to existing 220/11 KV Settypalli SS (28Km) in Kurnool District - Crossing of National Highway NH-44 (Hyderabad to Bangalore) near Bastipadu (Village), Kallur (Mandal) between the Km.225+000 to Km.226+000 towards Bangalore.

2. As per MORTH guidelines vide letter No. RW/NH-33044/29/2015/S&R(R) dated 22nd November 2016, the Highway Administration will put out the application in the Ministry's website for 30 days seeking claims and objections (on grounds of public inconvenience, safety and in the general public interest).

3. In view of the above, the comments of public, if any, on the above mentioned proposal is invited on below mentioned address.

Regional Officer - Vijayawada,
National Highways Authority of India,
Regional Office, Dr. No.41-29-45A, R. S. No.373/2A
Near Kodandaramalayam, Chalasani Nagar,
Ranigarithota, Krishnalanka, Vijayawada - 520 013.
Email: rovijayawada@nhai.org

(R.K. Singh, IES)
CGM (Tech.) & Regional Officer



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 - अनंतपुरम्
6-4-239, तीसरा क्रॉस, मारुति नगर, अनंतपुरम्

PROJECT IMPLEMENTATION UNIT ANANTAPURAMU

6-4-239, 3rd Cross, Maruthi Nagar, Anantapuramu - 515 004.

टेली / Tele : 91-8554-275599 ई-मेल / Email: anantapur@nhai.org nhaiuiatp@gmail.com

NHAI/PIU-ATP/11021/24/NOC/0913

23.07.2024

✓ Regional Officer
National Highways Authority of India
Regional Office
Door No.41-29-45A, R.S.No.373/2A
Near Kodandaramalayam
Chalasani Nagar, Ranigarithota
Krishnalanka, VIJAYAWADA - 520 013



Sub: Operation and Maintenance of Hyderabad - Bangalore section from Km 211.000 to Km 462.164 of NH-44 (Total length 251.164 Km) in the state of Andhra Pradesh - Erection of 220 KV DC line from existing 220/132 KV APCrabides SS to existing 220/11 KV Settypalli SS (28Km) in Kurnool District- Crossing of National Highway NH-44 (Hyderabad to Bangalore) near Bastipadu (Village), Kallur (Mandal) between the Km 225.000 to Km 226.000 towards Bangalore - Approval for NH crossing- Requested reg.,

Ref: 1. DPR Consultant M/s Aarvee Associates no.1809 dtd 07.06.2024 (received on 18.06.2024)
2. SC, M/s SA Infrastructure letter no.0138 dtd 03.06.2024.
3. This office letter no.0530 dtd 23.04.2024.
4. The Executive Engineer, Construction Division, APTRANSCO, Kurnool letter no.EE/CONST/DIV/KNL/F.193(A-S)/D.No.Camp ATP/24 dtd 08.04.2024.

Sir,

This has reference to Executive Engineer, Construction Division, APTRANSCO, Kurnool letter under reference 4th cited above requesting to accord the permission for crossing of 220 KV DC line from existing 220/132 KV APCrabides SS to existing 220/11 KV Settypalli SS (28Km) in Bastipadu Village, Kallur Mandal, Kurnool District across National Highway 44 on Hyderabad - Bangalore section.

2. In this regard, the DPR Consultant vide letter reference 1st cited above has informed that they have examined the subject proposal and submitted the following comments,
- Applicant has furnished the proposal for 1 nos. HT line crossing in between existing Km.225.000 to Km. 226.000 on Hyderabad-Bangalore section of NH 44.
 - It is noted that the said location is falling at design Km.225.120 as per theDraft DPR.
 - The approximate level difference between existing road level to proposed finished road level is given below.

S.No.	Location	Vertical clearance proposed, m	Existing Ground level in, m	Finished Road level, m	Approximate level difference between existing road to proposed FRL in m,
1	225.120	15.62	316.864	317.567	0.703

Cont...2

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Am

- a) In view of above the Electrical crossing proposal is recommended by the DPR Consultant.
3. Further, the SC of the subject stretch vide letter under reference 2nd cited above has informed that as per norms, the actual required height from FRL to the lowest conductor is satisfied. As such, the proposal of Electrical line crossing was recommended.
4. The proposal for stringing the electrical line submitted by Executive Engineer is as under.
- (a) The location of power line crossing is at design chainage at Km 225.120 near Bastipadu village, Kallur mandal, Kurnool district on Hyderabad - Bangalore section is furnished in the drawing.
- (b) No part of the foundation of electrical tower will fall in ROW of NHAI.
- (c) The electrical towers are erected at more than 30 m from the centre of ROW. i.e., at a distance of 139 mts on LHS & 83 mts on RHS from centreline of median.
- (d) After accounting the maximum possible sag in bottom conductor, the vertical clearance at road crossing point is 15.62 m.
- (e) Executive Engineer, Construction Division, APTRANSCO, Kurnool, has ensured that they will follow the provisions of IRC 32-1969, CEA Regulations/Statutory provisions of Indian Electricity Rules and other relevant guidelines issued.
5. Further, the Executive Engineer, Construction Division, APTRANSCO, Kurnool have submitted the following.
- (i) Undertakings on Non-judicial stamped paper of Rs. 50/-.
- (ii) License deed for laying overhead electric power line across NH land on Non-judicial stamped paper of Rs. 50/-.
- (iii) Check list for getting approval for laying of overhead electric power line across NH land.
- (iv) Crossing details at NH.
- (v) Sketch showing crossing of overhead line.
6. The location of crossing the 220 KV line was inspected and the following are submitted.
- (a) There is no habitation around the proposed location to the vertical clearance of the Electrical line proposed is 15.62 m, which is more than the suggested clearance for 220 KV line.
- (b) Executive Engineer, Construction Division, APTRANSCO, Kurnool has proposed to erect the towers on both ends in the private land to maintain 15.62 m clearance from FRL of the road.

Cont...3



NHAI/PIU-ATP/11021/24/NOC/0913

23.07.2024

-3-

7. In view of the above, it is requested to accord approval for the proposal for crossing of 01 nos of 220 KV line at the above location, please.

Yours faithfully

Encl: As above

(A. Tarun Kumar)

DGM (Tech.) & Project Director

Copy to:

The Executive Engineer, APTRANSCO, Kurnool.

**CERTIFICATE IN RESPECT OF PERMISSION FOR LAYING OF UTILITY LINE OF 220 KV DC
LINE FROM EXISTING 220/132 KV APCRABIDES SS TO EXISTING 220/11 KV
SETTYPALLI SS (28KM) IN BASTIPADU VILLAGE, KALLUR MANDAL, KURNOOL
DISTRICT AT KM 225.120 ACROSS NATIONAL HIGHWAY 44 ON HYDERABAD -
BANGALORE SECTION**

It is hereby certified as under

1. All the standard conditions issued vide Ministry / NHAI Circulars are incorporated in the proposal and the same is herewith confirmed.
2. The available width of ROW is 60 m in the stretch from KM 225.000 to KM 226.000 on BHS. Sufficient ROW is available to accommodate six-laning in future.
3. Any other location of the Utility line would be extremely difficult and unreasonable costly and the installation of Utility line across ROW will not adversely affect the design, stability & traffic safety of the Highway nor the likely future improvement such as widening of the carriageway, easing of curve etc.,
4. There will be no hindrance to proposed six-laning based on the feasibility report considering proposed structures at the said location.
5. The proposal is confirming to all standard conditions issued vide Ministry's circular number: RW/NH/33044/29/2015/S&R(R) dated: 22-11-2016.
6. The permission after approval will be recorded in a "Register of Permissions" in the prescribed proforma.


(A. Tarun Kumar)
DGM (Tech.) & Project Director


Letter No. AA/HW/NHAI/2446/2024-25/1809

Date 07.06.24

Manager	PSTP.A
S.E.-1	S.E.:-2
S.E.-3	Rt. Tahsildar
Accountant	Data Lake
IT Export	YHE

To,
The Project Director
Project Implementation Unit (PIU),
National Highways Authority of India,
Anantapur, Andhra Pradesh.
E-mail: nhaipuatp@gmail.com

Sub: DPR - Consultancy Services for preparation of DPR for "Augmentation of existing 4 lane Section of NH-44 from Km.211.00 (Kurnool) to Km. 534.72 (Devanahalli Village in the State of Karnataka) to 6 lane Partial Access Controlled Highway in the State of Andhra Pradesh & Karnataka"-
APTRANSCO - Erection of 220 KV DC line from existing 220/132 KV APCrabides SS to existing 220/11 KV Settypalli SS (28km) in Kurnool District- crossing of National highway NH-44 (Hyderabad to Bangalore) near Bastipadu (village), Kallur (Mandal), between the Km. 225.000 to Km. 226.000 towards bangalore- Approval for NH crossing- Report submitted

Ref: 1. NHAI/PIU-ATP/11021/24/NOC/0530 dt.23.04.2024

Dear Sir,

This has reference to the letters cited, wherein it has been requested to furnish the comments on the above mentioned proposed Electrical crossing. In this regard, proposal has been examined and following comments are herewith furnished.

- Applicant has furnished the proposal for 1 No's HT line crossing at between existing Chainage Km.225.000 to Km.226+000.
- It is noted that the said location is falling at Design Km. 225.120 as per the Draft Detailed project report.
- The approximate level difference between existing road level to proposed finished road level is given below.

Sl.No.	Design Km	Vertical clearance proposed, m	Existing Ground level in 'm'	Finished Road level in 'm'	Approximate level difference between existing road to Proposed FRL in m,
1	225.120	15.62	316.864	317.567	0.703

In view of the above the above Electrical Crossing proposal may be recommended subject to the following conditions:

- Applicant must ensure that the vertical clearance be maintained as per the standards with respect to the proposed finished road level.
- During six-laning of the Project Highway, if required, applicant must shift/upgrade the electrical crossings at their own cost and shall not be claimed from the Authority.

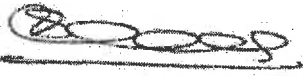
- (iii) Applicant shall be responsible for the safety of all construction works, such as erection of towers, stringing of line along and across the NH Road.
- (iv) Applicant shall inform to the Authority and Concessionaire prior to execution of the erection works.

This is submitted for taking further necessary action.

Thanking you and assuring you of our best services at all times,

With Best Regards,

for M/s. Aarvee Associates Architects Engineers & Consultants Pvt. Ltd.,



(S. S Reddy)

Team Leader cum Senior Highway Engineer

Copy to: Regional Officer, NHAI, Vijayawada – for kind information.

Letter No. SAICPL-UIC/ATP/NHAI/2024/0138

To,

The Project Director

National Highways Authority of India,
6-4-239, 3rd Cross Maruti Nagar,
Ananthapuram - 515004.

Dear Sir,

NHAI, PU, Anantapur	
Inward No :	1856
E-Mail dad :	
Original dtd :	3-6-24
Manager	P.S / P.A.
S.E.-1	S.E.-2
S.E.-3	Rt. Tahsildar
Accountant	Data Lake
IT Export	YHE

Date: 03.06.2024

Sub: Consultancy Service of Supervision Consultancy Services (SC) for Operation and maintenance of Hyderabad - Bangalore section from Km.211.000 to Km.462.164 of NH 44 (Old NH 7) in the state of Andhra Pradesh: **Erection of 220 KV DC line from exiting 220/132 KV APC Crabides SS to Exiting 220/11 KV Settypalli SS (28 Km) in Kurnool District - Crossing of National Highway NH-44 (Hyderabad to Bangalore section) near Bastipadu (Village), Kallur (Mandal) between the Km 225.000 to Km 226.000 towards Bangalore - Approval for NH Crossing - Requested-reg.**

- Ref:** 1. NHAI/PIU-ATP/11021/24/NOC/0530 on dated: 23.04.2024.
2. The Executive engineer, Construction Division, APTRANSCO, Kurnool letter no.
3. EE/CONST/DIV/KNL/F.193(A-S)/D.NO.Camp ATP/24 dtd 08.04.2024
4. NHAI, E- Mail Dated 27th May 2024

With reference to the Authority's email dated 27th May 2024 regarding a review of the proposal for the approval of NH-44 crossing for the Erection of 220 KV DC line from existing 220/132 KV APC Crabides SS to Existing 220/11 KV Settypalli SS (28 Km) in Kurnool District. This crossing is situated on National Highway NH-44 (Hyderabad to Bangalore section) near Bastipadu (Village), Kallur (Mandal) between Km 225.000 to Km 226.000 towards Bangalore

In view of the above, a site inspection was conducted by SC representatives along with APTRANSCO representatives on 27th April 2024. (Photos enclosed). Following this inspection, the reports provided by APTRANSCO were reviewed, and the following observations were made:

1. The proposal complies with the Guidelines of MoRTH dated 22nd November 2016 and 24th April 2023.
2. It shall be ensured that laying of the Transmission Line would not impede the progress of current and future works in the vicinity.
3. The proposed Transmission Lines shall be laid as per the enclosed drawings/sketches and in accordance with MORT&H guidelines. The minimum vertical clearance from the Road Top level to the bottom point of the lowest conductor shall be maintained at 15.62 m (in all seasons) as specified in the application.
4. The executing agency is responsible for providing all necessary safety arrangements and traffic management as per IRC: SP: 55 -2014 during the execution phase.

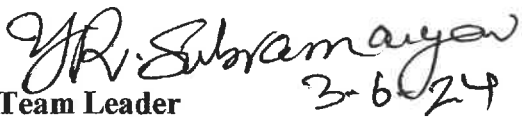
Y. R. Subramanyam
3-6-24

5. Prior information regarding the commencement of work is required to be provided to NHAI and IE.

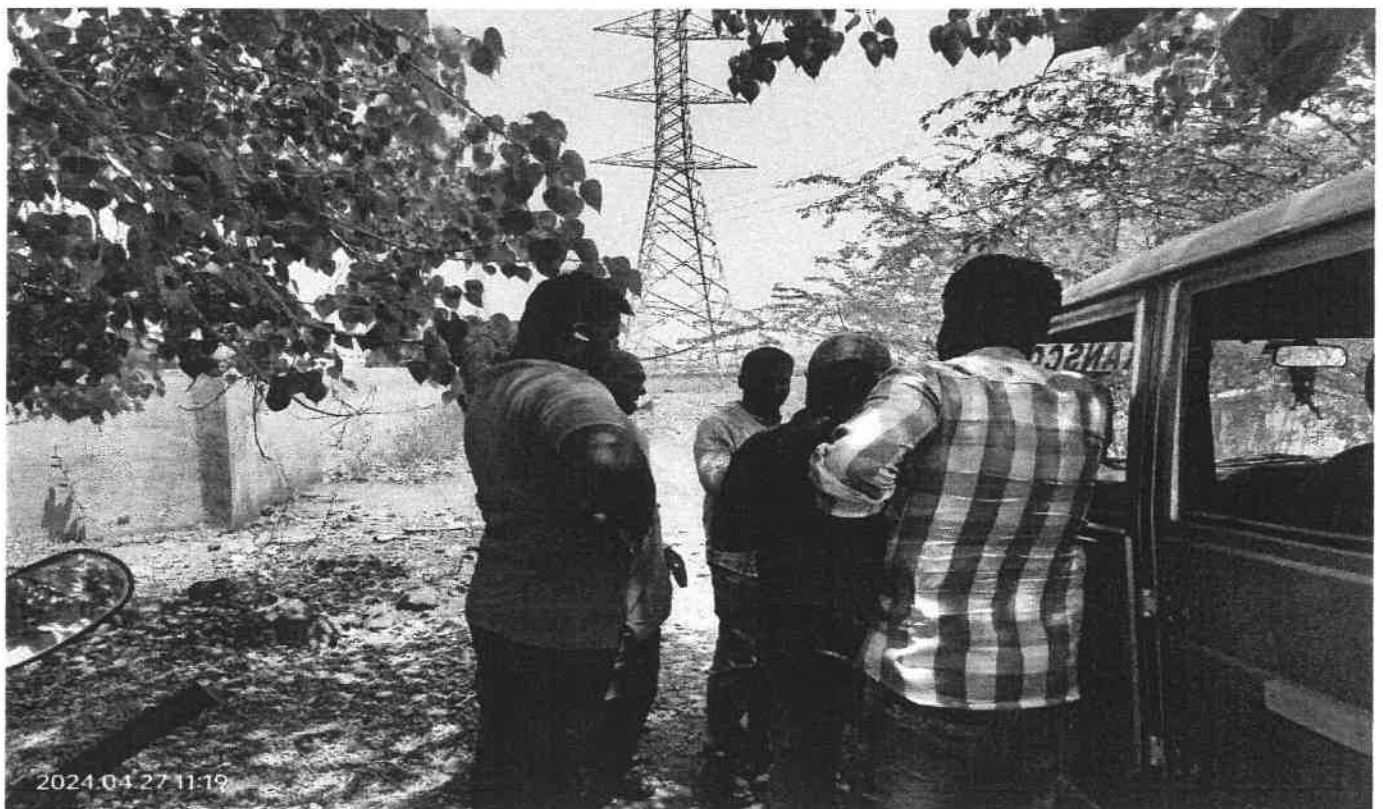
Hence, submitted for taking necessary action. Thank you and assuring you of our best professional services at all times.

Thank you and assuring you of our best professional services at all times.

**For SA Infrastructure Pvt. Ltd., in association
With Upham International Corporation.**


Team Leader
YrSubramanyam

Copy to: 1) Authorised Signatory SA Infrastructure Pvt. Ltd. Noida.





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 - अनंतपुरम्

6-4-239, तीसरा क्रॉस, मारुति नगर, अनंतपुरम्

PROJECT IMPLEMENTATION UNIT ANANTAPURAMU

6-4-239, 3rd Cross, Maruthi Nagar, Anantapuramu - 515 004.

टेली / Tele : 91-8554-275599 ई-मेल / Email: anantapur@nhai.org nhaipuatp@gmail.com



NHAI/PIU-ATP/11021/24/NOC/0530

23.04.2024

The Team Leader

M/s. SA Infrastructure Consultants Pvt. Ltd., Noida in Association with
M/s. Upham International Corporation
D. No. 6-2-994, 1st Floor, Ram Nagar
ANANTAPUR - 515 001 (AP)

Team Leader

M/s. Aarvee Associates
Architects Engineers & Consultants Pvt. Ltd.
H.No. 8-2-5, Ravula Residency,
Srinagar Colony Main Road
HYDERABAD - 500 082.

Sub: Operation and Maintenance of Hyderabad - Bangalore section from Km 211.000 to Km 462.164 of NH-44 (Total length 251.164 Km) in the state of Andhra Pradesh - Erection of 220 KV DC line from existing 220/132 KV APCrabadides SS to existing 220/11 KV Settypalli SS (28Km) in Kurnool District- Crossing of National Highway NH-44 (Hyderabad to Bangalore) near Bastipadu (Village), Kallur (Mandal) between the Km 225.000 to Km 226.000 towards Bangalore - Approval for NH crossing- Requested reg.,

Ref: The Executive Engineer, Construction Division, APTRANSCO, Kurnool letter no.EE/CONST/DIV/KNL/F.193(A-5)/D.No.Camp ATP/24 dtd 08.04.2024.

Sir,

The Executive Engineer, APTRANSCO vide their letter cited under reference above has submitted the proposal for crossing of 220 KV DC line in Kurnool at subject location of Hyderabad - Bangalore Section of NH 44 and sought the approval.

- It is requested to inspect the site and furnish your comments/observations in respect of the above by duly signing the drawings/checklist submitted by the Executive Engineer, APTRANSCO & keeping in view of the 6 laning work and all the standard conditions issued vide Ministry/NHAI Circulars, at the earliest for further necessary action.

Encl: As above

Yours truly

(A. Tarun Kumar)

DGM (Tech.) & Project Director

Copy to:

The Executive Engineer

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कारपोरेट कार्यालय : जी-5 एवं 6, सेक्टर - 10, द्वारका, नई दिल्ली - 110075. वेबसाइट : <http://www.nhai.org>

Corporate Office: G-5 & 6, Sector - 10, Dwaraka, New Delhi - 110 075 Website : <http://www.nhai.org>



TRANSMISSION CORPORATION OF ANDHRA PRADESH LTD

From
The Executive Engineer,
Construction Division,
APTRANSCO,
Kurnool

To
The Project Director,
Project Implementation Unit,
National Highway Authority
Anantapuramu

OMY Not

NHAI. PIU. Anantapur	
Draw No :	1262
E-Mail dad :	
Original dtd :	8/4/21
Manager	P.S / P.A
S.E.-1	S.E. -2
Sr. India Ltd.	Ho Tahsildar
Accountant	Data Lake
IT Export	YHE

Lr.No.EE / Const/Div/KNL/F.No.193(A-S)/D.No. /24, Dt: 08-04-2024.

Sir,

Sub: A.P.TRANSCO – Construction – Division - Kurnool - Erection of 220KV DC line from existing 220/132 KV APCrabides SS to existing 220/11KV Settypalli SS (28KM) in Kurnool Dist -Crossing of National Highway NH-44 (Hyderabad to Bangalore) near Bastipadu (Village), Kallur (Mandal) between the KM stones 225 to 226 towards Bangalore -Approval for NH crossing – Requested-Regarding.

@@@@@

The following documents are here with submitted for your kind pertaining to the approval for crossing NH-44 of above subjected line.

1. Check list of documents & crossing details.
2. An undertaking of indemnifying NHAI for any damages caused due to proposed stringing.
3. Common undertaking to ensure compliance of all safety norms during stringing work.
4. An undertaking to ensure compliance of all safety norms during stringing work.
5. An undertaking regarding traffic movement.
6. An undertaking that relocation of towers during further modification of NH.
7. 220 KV SMDC line from 220/132 KV SS APCrabides to the proposed 220/11 KV SS Settypalli NH-44 crossing point profile.

The above documents are herewith submitted and requested to arrange approval for crossing of above subject line at NH-44 chainage KMs: 225 to 226 towards Bangalore. Kindly process our application at the earliest for approval of NH-44 crossing by 220KV DC line from existing 220/132 KV APCrabides SS to existing 220/11KV Settypalli SS (28KM) in NH crossing approval may be issued at the earliest for taking up

CHECK LIST

Guide lines for processing the Proposal of laying Over Head electrical lines across National High ways vested with NHAI

Sl.No	Item	Information /Status	Remarks
1	General Information		
1.1	Name and address of the Applicant/ Agency	Executive Engineer, Construction Division, APTRANSCO, Kurnool.	
1.2	National Highway Number	NH-44	
1.3	State	Andhra Pradesh	
1.4	Location	Beside Polyplast factory, Near Bastipadu Village, Kallur Mandal, Kurnool Dist.	
1.5	Chainage/Km	NH-44 road between KM stone 225 KM & 226 KM,	
1.6	Length in meters	-	
1.7	Width of available Row		
	a) Left side from centre line towards increasing chainage /Kms direction	30M	
	b) Right side from centre line towards increasing chainage/km direction	30M	
1.8	Proposal to lay the utility	Crossing of road from LHS to RHS	
	a) Left side from centre line towards increasing chainage /Kms direction	139M	
	b) Right side from centre line towards increasing chainage/km direction	83M	
	c) Angle of crossing	71	
1.9	Proposal to acquire the land	NA	
	a) Left side from centre line	-	
	b) Right side from centre line	-	
1.10	Whether proposal is in the same side where land is not to be acquired	YES	
	If not then where to lay the utility	-	

Project Director
NHAI P.Y.U., Anantapur.

SA INFRASTRUCTURE CONSULTANTS PVT. LTD.
D.No. 6-2-994, 1st Floor,
Ram Nagar, ANANTHAPURAM,
Andhra Pradesh - 515 031.

EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION
KURNOOL

1.11	Details of already laid services, if any along the proposed root	-	
1.12	Number of existing lanes (2,4,6,8 lanes)	4 lane	
1.13	Proposed number of lanes 2 lane with paved shoulders/4/6/8 lanes)	NA	
1.14	Service road existing or not If yes then which side	NA	
	a) Left side from centre line	-	
	b) Right side from centre line	-	
1.15	Proposed service road	NA	
	a) Left side from centre line	-	
	b) Right side from centre line	-	
1.16	Whether proposal to lay the utility is after the service road or between the service road and main carriage way	NA	
1.17	Whether carrying of Utility line has been proposed on highway Bridges.If yes, then mention the methodology proposed for the same	NA	
1.18	Whether carrying of Utility line has been proposed on the parapet/any part of the bridges. If yes, then mention the methodology proposed for the same	NA	
1.19	If crossings of the road involved if Yes, it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expanses of the agency owning the line		
	a) Whether the existing drainage structures are allowed to carry the utility line	NA	
	b) Is it on align normal to the NH	NA	
	c) What is the distance of crossing the utility lines from the existing structures crossing shall not be too near the existing structures on the National Highways. The minimum distance being 15mts.	NA	
	d) The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable. Mention type of casing	NA	
	e) Ends of the casing pipe shall be sealed from the outside. So that it does not act as a drainage path	Yes	
	f) The casing/conduit pipe should be as minimum extend from drain in cuts and toe of the slope in the fills.	NA	


Arka
Project Engineer
NHAI P.O., Anantapur.


Ram
Ram Nagar, Anantapur
Andhra Pradesh - 515 001

Mare
EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION
KURNOOL



	g) The top of the casing/Conduit pipe should be at least 1.20m below the surface of the roads subject to being at least 0.30m below, the drain inverts. Mention the proposed details	NA	
	h) Mention the methodology proposed for crossing of road for the proposed Utility line. Crossing shall be by boring method (HDD)(Trenchless Technology). Specially,where the existing road pavement is of cement concrete or dense bituminous concrete type.	NA	
	i) The casing/conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a water way along it	NA	
2	Document/Drawings to be enclosed with the proposal	Yes Enclosed	
2.1	Cross section showing the size of the trench for open trenching method (Is it nominal size of 1.20m deep X 0.3m wide) (i) Should not be greater than 60Cm wider than the outer diameter of the pipe. (ii) Located as close to the extreme edge of the right-of-way as possible but not less than 15 meters from the centre-lines of the nearest carriage way. (iii) Shall not be permitted to run along the National Highways when the road formation is situated in double cutting. Nor shall these be laid over the existing culverts and bridges. (iv) These should be so laid that their top is at least 0.60 mts below the ground level so as not to obstruct drainage of the road land.	NA	
2.2	Cross section showing the size of the pit and location of cable for HDD method	NA	
2.3	Strip plan/ route plan showing the utility line chainage, width of ROW, distance of proposed utility line from the edge of ROW. Important milestone intersections, cross drainage works etc.	Yes Enclosed	
2.4	Methodology for laying of the utility line	Yes Enclosed	
2.4.1	Open trenching method (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type. If yes, what is the Methodology of refilling of trench		
	(a) The trench width should be at least 30cm but not more than 60cm wider than the outer diameter of the pipe.	NA	


Project Director
NHAI P.I.U., Anantapur.



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EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION
KURNOOL



	(b) For filling of the trench bedding shall be to a depth of not less than 30cm. it shall consists of granular material. Free of lumps, clods and cobbles and graded to yield a firm surface in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material.		
	(c) 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.		
	(d) The side fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tampering 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 removed. Consolidation by saturation or pending will permitted.	NA	
	(e) The road crust shall be built to the same strength as existing crust on either side of the trench. Shall be taken to avoid the formation of a dip at the trench.		
	(f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours.		
	(g) If required a diversion shall be constructed at the expense of agency owning the utility line		
2.4.2	Horizontal directional drilling method (HDD method)	NA	
2.4.3	Methodology for laying of the utility line through CD works and method of laying In case where the carrying of utility line on the bridge becomes inescapable	NA	
3	Draft licensee agreement is signed by two witnesses	Enclosed	
3.1	The license fee estimate as per Ministry's guidelines issued vide circular no. RW/NH-33044/29/2015/S&R(R), Dated: 22.11.2016 and circular dtd 24.04.2023	NA	
4	Whether Performance bank guarantee as per Ministry's guidelines issued vide circular no. RW/NH-33044/29/2015/S&R(R), Dated: 22.11.2016 is obtained.	NA	
4.1	Confirmation of BG has been obtained are not as per MORTH/ NHAI Guidelines	NA	
5	Affidavit/ undertaking from the applicant from the following is to be furnished	Yes Enclosed	
5.1	Undertaking not to damage any other utility, If damaged to pay the losses either NHAI or to the concerned agency.	Yes Enclosed	
5.2	Undertaking for renewal of BG as when asked by MORTH/ NHAI.	NA	

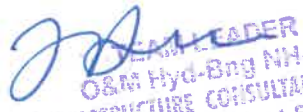

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NHAI P.I.U., Anantapur.



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5.3	Undertaking for confirming all standard condition of Ministry circulars and NHAI's Guidelines.	Yes Enclosed	
5.4	Undertaking for Indemnity against all damages and claims.	Yes Enclosed	
5.5	Undertaking for management of traffic movement during laying utility line without hampering the traffic.	Yes Enclosed	
5.6	Undertaking that if any claim is raised by the Concessionaire/contractor then the same has to be paid by the applicant.	Yes Enclosed	
5.7	Undertaking prior approval of NHAI shall be obtained before undertaking any work of installation, shifting or repair of alterations to the utility located in National Highway right-of-ways.	Yes Enclosed	
5.8	Undertaking that expenditure, if any incurred by NHAI for repairing any damage caused to the National Highway by laying, maintenance or shifting of the utility line will be borne by the applicant agency owning the line.	Yes Enclosed	
5.9	Undertaking that text of the license deed is as per verbatim of MORTH format issued vide ministry's circular number : RW-NH-33044/29/2015/S&R(R) dated: 22-11-2016	Yes Enclosed	
5.10	Undertaking that the applicant has obtained various safety clearances from the representative authorities such as Directorate of Electricity. Chief controller of Explosives. Petroleum and Explosive Safety Organization. Oil Industry Safety Directorate. State/Central Pollution Control Board and any other statutory clearances applicable, before applying to Highway Administration.	Yes Enclosed	
5.11	If the MoRTH/NHAI considers it necessary in future to move the utility for any work of improvement or repair to the road, it will be carried out as desired by the MoRTH/NHAI at the cost of agency owning the utility line within the reasonable time (not exceeding 60 days) of the intimation given.	Yes Enclosed	
5.12	Certificate from the applicant in the following format (i) Laying of Utility line will not have any deleterious effects on any of the bridge components and roadway safety for traffic. (ii) We do undertaking that we will relocate service road/approach road/Utilities at my/our own cost notwithstanding the permission granted within such time as will stipulated by NHAI for future six lining or any other development.	Yes Enclosed	
6	Who will sign the agreement on behalf of utility line agency	Executive Engineer, Construction Division, APTRANSCO, Kurnool.	
	Power of attorney to sign the agreement is available or not.	NA	



Project Director
NHAI P.U., Anantapur.


PROJECT LEADER
O&M Hyd-Bdg NH-44
SA INFRASTRUCTURE CONSULTANTS PVT LTD.
D.No. 6-2-904, 1st Floor,
Ram Nagar, ANANTHAPURAM.
Andhra Pradesh - 515 001.


EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION
KURNOOL

7	The project director will submit the following certificates		
7.1	Certificate that the proposal is confirming to all standard conditions issued vide Ministry's circular number: RW/NH/33044/29/2015/S&R(R) dated: 22-11-2016.	Yes	
7.2	Certificate from PD in the following format (i) It is certified that any other location of the utility line would be extremely difficult and unreasonable costly and the installation of utility line across ROW will not adversely affect the design, stability & traffic safety of the Highway nor the likely future improvement such as widening of the carriageway, easing of curve etc., (ii) For 6-lanning (a) Where feasibility is available "I do certify that there will be no hindrance to proposed six-laning based on the feasibility report considering proposed structure at the said location" (b) In case feasibility report is not available "I do certify that sufficient ROW at site for accommodating proposed 6 lining"	Enclosed	
8	If NH section to be proposed to be taken up by NHAI on BOT basis a clause is to be inserted in the agreement. The permitted highway on which licensee has been granted the right to lay utility line/ duct has also been granted as a right of way of to the concessionaire under the concession agreement for upgrading of (..... Section from Km..... to Km..... of NH no:-..... on Build Operate and Transfer basis) and the licensee shall honors the same.	NA	
9	Who will supervise the work of laying of utility line		
	a) On behalf of the applicant	Executive Engineer, Construction Division, APTRANSCO, Kurnool.	
	b) On behalf of MORTH/NHAI	PD, PIU, NHAI, ATP	
10	Who will ensure that the defects in road portion after lying of utility line are corrected and if not corrected then what action will be taken.		
	a) On behalf of the applicant	Executive Engineer, Construction Division, APTRANSCO, Kurnool.	
	b) On behalf of NHAI	PD, PIU, NHAI, ATP	


Project Director
NHAI P.I.U., Anantapur.


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O&M Hyd-Bng NH-44
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Andhra Pradesh - 515 501.


EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION
KURNOOL

11	Who will pay the claims for damages done/ disruption in working of concessionaire if asked by the concessionaire		
	On behalf of applicant	Executive Engineer, Construction Division, APTRANSCO, Kurnool.	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permission in the prescribed Proforma (copy enclosed)	Yes	
13	If any previous approval is accorded for laying of underground utility line then photocopy of register of records of permission accorded (as maintained by PD) be enclosed.	NA	

Name Designation and Signature of the
authorized representative of applicant

**EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION,
KURNOOL.**

Name Designation and Signature of
concerned filed authority of NHAI

Project Director

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G&M Hyd-Bng M-44
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Ram Nagar, ANANTHAPURAM,
Andhra Pradesh - 515 001.

CROSSING DETAILS

1	Name of the line	Erection of 220 KV DC line from 220/132/33KV APCarbides SS Kurnool to the exiting 220/11KV Settypalli SS in Kurnool Dist.
2	Crossing	National Highway NH-44 (Hyderabad to Bangalore), Beside Polyplast factory, near Bastipadu (Villiage), Kallur(Mandal) between the KM stones 225 to 226 towards Bangalore
3	Crossing towers	Location No.71, TSP C+6 Location No.72, TSP C+0
4	Crossing span	222 mts
5	Distance from road side	Loc no. 71 - 139 Mtrs (from NH center) Loc no. 72- 83 Mtrs (from NH center)
6	Line crossing at Max sag	15.62 mtrs
7	No of Phases and conductors	6 Phases, 1 conductor/Phase
8	Systems of supply (i.e. Voltage, Frequency, No of Phases, whether neutral is earthed or not)	220 KV AC, 50 Hz, Three phase, Neutral earthed at station end.
9	Crossing angle between Conducotr and National Highway	71 Degrees

Yare
**EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION,
KURNOOL.**

TECHNICAL PARTICULARS OF EARTH WIRE

SI No	TECHNICAL PARTICULARS	OPGW EARTH WIRE
		7/3.15mm
1	Indian standard to which earth wire conforms	IS:2141
2	Area of cross-section (Sq mm)	54.29
3	Nominal overall diameter(mm)	11.9
4	Maximum working tension(Kg)	3655
5	Guaranteed UTS	6490
6	Weight of Earth wire(Kg/ km)	409
7	Modulus of Elasticity E (Kg/mm ²)	10800


**EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION,
KURNOOL.**

TECHNICAL PARTICULARS OF ACSR MOOSE CONDUCTOR

SI No	TECHNICAL PARTICULARS	ACSR Moose Conductor
		54+7/3.53mm
1	Indian standard to which earth wire conforms	IS:2141
2	Area of cross-section (Sq mm)	597
3	Nominal overall diameter(mm)	31.77
4	Maximum working tension(Kg)	4200
5	Guaranteed UTS	16438
6	Weight of Earth wire(Kg/ km)	2004
7	Modulus of Elasticity E (Kg/mm ²)	7036


EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION
KURNOOL.

TRANSMISSION CORPORATION OF ANDHRA PRADESH LTD



Proposed National High way 44 crossing of 220 KV DC line from 220/132/33KV APCarbides SS Kurnool to the exiting 220/11KV Settypalli SS

Methodology of carrying out the stringing

1. The aim of this exercise is to carry out the stringing of 220 KV power line across the National High way between the towers AP-50 and AP-51 with a span of 222 meters. The height of tower Loc.No.71 at bottom most conductor is 25.085 meters and of Loc.No.72 is 19.085 meters. After the stringing a clearance of 15.62 meters would be maintained from the road surface to the bottom most conductor of the line.
2. Wooden scaffolding of 16 mts height and 3 mts width would be installed on either side of the National High way 44. A distance of 10 mts would be kept from the edge of the high way to the edge of the scaffolding to provide safe distance in case of collapse of scaffolding. This scaffolding would be carrying only Earth Wire.
3. Steel pilot wire would be strung first as shown in the figure. To pass Steel pilot wire over the road, a polypropylene rope (Pilot rope) would be extended from scaffolding of one side and connected to the edge of the Steel pilot wire which would be on the scaffolding on other side. Once the connection is made, the pilot rope is pulled with tractor on the other side taking the Steel pilot wire on the wooden scaffolding. While pulling the Steel pilot wire due to self weight the Steel pilot wire will take a catenary shape and hence traffic needs to be stopped for about 15 minutes.
4. Once the Steel pilot wire is pulled completely, it would be connected to the ends of the peak as shown in figure.
5. Later the Six conductors will be dragged in the same manner as said above in case of Steel pilot wire by making up them on one side and every time there needs to be stoppage of traffic for about 15 minutes with time gap between one conductor and another. Likewise, all the conductors will be lifted and final stringing will be completed one by one.
6. During the above process every effort will be kept to maintain clearance from road and 15 to 20 minutes blockage of traffic would be necessary intermittently.
7. All safety measures would be followed as insisted by NHAI at the time of execution of work.


**EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION,
KURNOOL.**

Calculation of Licensee Fee

Supply, Erection, Testing & Commissioning of (i) 220KV DC line from existing 220/132KV AP Carbides SS to existing 220/11KV Settypalli SS (28KM) (ii) 2 No's 220KV Bays at existing 220/132KV AP Carbides SS (28KM) (iii) 2 No's 220KV Bays at existing 220/11KV Settypalli SS (28KM) (iii) 2 No's 220KV Bays at existing 220/11KV Settypalli SS on Turnkey basis in Kurmool Dist.

NH Crossing location : NH44: (Hyderabad-Banglore) near Bastipadu (Village), Kallur (Mandal) between 225.000 to 226.000 km towards Banglore.

[illegible]

Calculation sheet			
1.5 % Value			15567.63
Add: 6% increment per annum for IInd Year		934.1	16501.69
Add: 6% increment per annum for IIInd Year		990.1	17491.79
Add: 6% increment per annum for IVth Year		1049.5	18541.30
Add: 6% increment per annum for Vth Year		1112.5	19653.77
Licensee Fee for 5 years		87756.18	87756.18

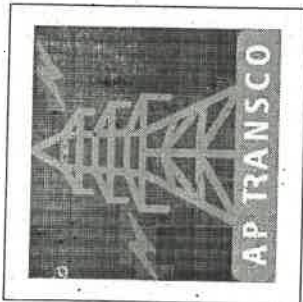
Yours

**EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION,
KURNOOL.**

TEAM LEADER
O&M Hyd-Eng. NH-44
S&I INFRASTRUCTURE CONSULTANTS PVT. LTD.
D.No. 6-2-994, 1st Floor,

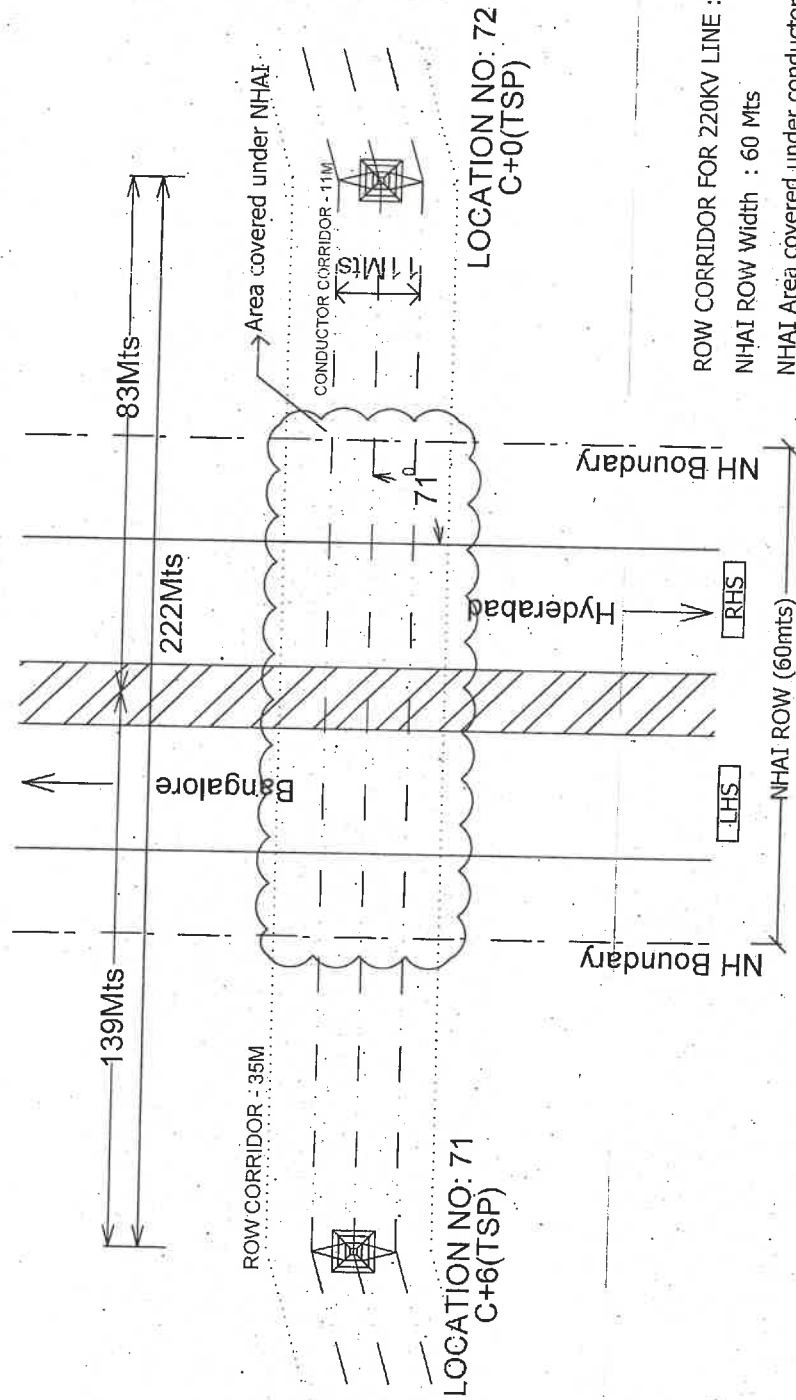
Project Director
NHAI P.I.U., Anantapur.

10



TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

DETAILS OF OVERHEAD CROSSING OF EXISTING NH-44 KURNOOL - BANGLORE HIGHWAY
NEAR BASTIPADU VILLAGE OF PROPOSED 220KV AP CARBIDES TO SETTIPALLI LINE



ROW CORRIDOR FOR 220KV LINE : 35 Mts

NHAI ROW Width : 60 Mts

NHAI Area covered under conductor : 35 Mts x 60 Mts
: 2100 Sq Mts

Note: DRAWING NOT TO SCALE
ALL DIMENSIONS ARE IN METERS

[Signature]

Project Director
NHAI P.I.U.- Anantapur

TEAM LEADER
O&M UNIT, ANANTAPUR

[Signature]

EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION,
KURNOOL.

D.No. 6-2-994, 1st Floor
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[Signature]



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Purchased by : M MADHUSUDHAN SON OF M SESHAGIRI ACHAR
Description of Document : Article 6 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : AP TRANSCO EXECUTIVE ENGINEER CONSTRUCTION KURNOOL
Second Party : Not Applicable
Paid By (For Whom) : AP TRANSCO EXECUTIVE ENGINEER CONSTRUCTION KURNOOL
Stamp Duty Amount(Rs.) : 50
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UNDERTAKING

It is proposed to carry out stringing activity of 220 KV DC line from 220/132/33KV APCarbides SS Kurnool to the exiting 220/11KV Settypalli SS between the angle points AP-50 and AP-51 near Bastipadu (Village), Kallur(Mandal) . This section is crossing National Highway NH-44 (Hyderabad to Bangalore) near Bastipadu (Village), between the KM stones 225 to 226 towards Bangalore. This section of the National High way is under the control of Project Director, Project Implementation Unit, NHAI, Anantapur.

Stringing would be executed by Transmission Corporation of Andhra Pradesh Limited through agency M/s JKV Infracon PVT Ltd, Nellore.

In this context, I (M.Madhusudhan, Executive Engineer, Construction Division, Kurnool) on behalf of Transmission Corporation of Andhra Pradesh Limited here by undertake that if any claim is raised by the Concessionaire/contractor then the same will be paid by Transmission Corporation of Andhra Pradesh Limited.

**EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION,
KURNOOL.**

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It is proposed to carry out stringing activity of 220 KV DC line from 220/132/33KV APCaribides SS Kurnool to the exiting 220/11KV Settypalli SS between the angle points AP-50 and AP-51 near Bastipadu (Village), Kallur(Mandal) . This section is crossing National Highway NH-44 (Hyderabad to Bangalore) near Bastipadu (Village), between the KM stones 225 to 226 towards Bangalore. This section of the National High way is under the control of Project Director, Project Implementation Unit, NHA, Anantapur.

Stringing would be executed by Transmission Corporation of Andhra Pradesh Limited through agency M/s JKV Infracon PVT Ltd, Nellore.

In this context, I (M.Madhusudhan, Executive Engineer, Construction Division, Kurnool) on behalf of Transmission Corporation of Andhra Pradesh Limited here by undertake that Transmission Corporation of Andhra Pradesh Limited has made the text of the license deed is as per verbatim of MORTH format issued vide ministry's circular number : RW-NH-33044/29/2015/S&R(R) dated: 22-11-2016.

Handwritten Signature
**EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION,
KURNOOL.**

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Unique Doc. Reference : SUBIN-APAP1801760407947112829756W
Purchased by : M MADHUSUDHAN SON OF M SESHAGIRI ACHAR
Description of Document : Article 6 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
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First Party : AP TRANSCO EXECUTIVE ENGINEER CONSTRUCTION KURNOOL
Second Party : Not Applicable
Paid By (For Whom) : AP TRANSCO EXECUTIVE ENGINEER CONSTRUCTION KURNOOL
Stamp Duty Amount(Rs.) : 50
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UNDERTAKING

It is proposed to carry out stringing activity of 220 KV DC line from 220/132/33KV APCarbides SS Kurnool to the exiting 220/11KV Settypalli SS between the angle points AP-50 and AP-51 near Bastipadu (Village), Kallur(Mandal) . This section is crossing National Highway NH-44 (Hyderabad to Bangalore) near Bastipadu (Village), between the KM stones 225 to 226 towards Bangalore. This section of the National High way is under the control of Project Director, Project Implementation Unit, NHAI, Anantapur.

Stringing would be executed by Transmission Corporation of Andhra Pradesh Limited through agency M/s JKV Infracon PVT Ltd, Nellore.

In this context, I (M.Madhusudhan, Executive Engineer, Construction Division, Kurnool) on behalf of Transmission Corporation of Andhra Pradesh Limited here by undertake that Transmission Corporation of Andhra Pradesh Limited has obtained various safety clearances from the representative authorities such as Directorate of Electricity. Chief controller of Explosives. Petroleum and Explosive Safety Organization. Oil Industry Safety Directorate. State/Central Pollution Control Board and any other statutory clearances applicable.

**EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION,
KURNOOL.**

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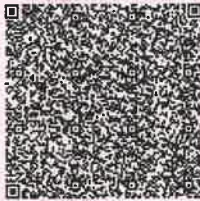


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Purchased by : M MADHUSUDHAN SON OF M SESHAGIRI ACHAR
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First Party : AP TRANSCO EXECUTIVE ENGINEER CONSTRUCTION KURNOOL
Second Party : Not Applicable
Paid By : AP TRANSCO EXECUTIVE ENGINEER CONSTRUCTION KURNOOL
Stamp Duty Amount(Rs.) : 50
(Fifty only)



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UNDERTAKING

1. The work of Erection of 220 KV DC line from 220/132/33KV APCarbides SS Kurnool to the exiting 220/11KV Settypalli SS crossing of National Highway NH-44 (Hyderabad to Bangalore) near Bastipadu (Village),Kallur(Mandal) between the KM stones 225 to 226 towards Bangalore will be carried out only after getting approval from the competent authority.
2. We shall be responsible for safety of all construction works, such as Erection of towers, Stringing of line along and across the NH road.
3. We shall inform the officer of NHA1 at least 15 days in advance before starting the work.
4. We shall not, without prior permission in writing of the concern officers of the NHA1 undertake any shifting and other alteration works of this erected power lines.
5. NHA1 shall not be responsible for any damage caused to the power supply lines or by any activity of our side on the permitted highway. The parties are agreed that we are laying the power supply lines on the permitted highway at its own cost.

**EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION,
KURNOOL.**

IE 0029194987

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6. The excavated tower pit shall be properly back Med, so as to restore the land in the same condition as it was before the excavation of the pits and shall clear the debris/ loose earth produced from the execution of the tower erection and lines.
7. We agree to abide by the directions of the concerned officer of NHAI appointed in accordance with the National High ways act 1956 and rules in force. Certified that no damage to the other utility will be done, if damaged then to pay the losses either to NHAI or to the concerned agency.
8. We are conforming all standard conditions of NHAI guidelines.
9. We shall be responsible for shifting of the electrical line as and when required by NH at our own cost.
10. We shall be responsible for shifting due to 6 Lanning / widening of NH.
11. We agree indemnity against all damages and claims clause (XXIV).
12. We will manage traffic movement during laying of power supply line.
13. We undertake to shift the electrical lines and supporting tower structures at any time owing to the expansion of the road or if necessary, NHAI authorities.
14. We will borne expenditure if any incurred by NHAI for repairing any damages caused to national highway by the laying of the line, maintenance or shifting of the electrical supply line will be borne by the agency owing the line.
15. If the NHAI considers, if necessary, in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NHA1 at the cost of ours owing the utility line within a reasonable time.
16. Certify that laying of electrical supply line will not have any deleterious effects on any of the bridge components and road way safety for traffic.


**EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION,
KURNOOL.**



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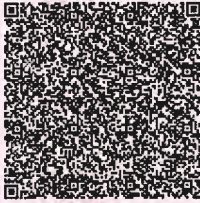


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Government of Andhra Pradesh

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Certificate Issued Date : 04-Apr-2024 02:14 PM
Account Reference : NEWIMPACC (SV)/ ap18017604/ AP-KNL/ AP-KAL/apvalteju
DDO Code : 27002308001 O/o IG R
Unique Doc. Reference : SUBIN-APAP1801760443707907672628W
Purchased by : M MADHUSUDHAN SON OF M SESHAGIRI ACHAR
Description of Document : Article 6 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : AP TRANSCO EXECUTIVE ENGINEER CONSTRUCTION KURNOOL
Second Party : Not Applicable
Paid By : AP TRANSCO EXECUTIVE ENGINEER CONSTRUCTION KURNOOL
Stamp Duty Amount(Rs.) : 50
(Fifty only)



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UNDERTAKING

It is proposed to carry out stringing activity of 220 KV DC line from 220/132/33KV APCarbides SS Kurnool to the exiting 220/11KV Settypalli SS between the angle points AP-50 and AP-51 near Bastipadu (Village), Kallur(Mandal) . This section is crossing National Highway NH-44 (Hyderabad to Bangalore) near Bastipadu (Village), between the KM stones 225 to 226 towards Bangalore. This section of the National High way is under the control of Project .Director, Project Implementation Unit, NHAI, Anantapur.

Stringing would be executed by Transmission Corporation of Andhra Pradesh Limited through agency M/s JKV Infracon PVT Ltd, Nellore.

In this context, I (M.Madhusudhan, Executive Engineer, Construction Division, Kurnool) on behalf of Transmission Corporation of Andhra Pradesh Limited here by undertake that, if necessary, we will shift the electric power transmission lines out of working zone of NHAI as and when required by NHAI at our own cost. However, if delay in shifting the same by us happens and if NHAI wants to shift the same at their own cost, then any kind of damage to the APTRANSCO,NHAI property and any sort of disturbance to the public user occurred will be responsibility of APTRANSCO only.

M. Madhusudhan
EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION, IIE 0029194989
KURNOOL.

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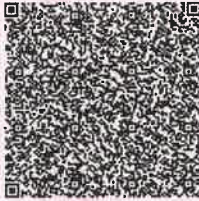


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Certificate Issued Date : 04-Apr-2024 02:14 PM
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DDO Code : 27002308001 O/o IG R
Unique Doc. Reference : SUBIN-APAP1801760443707389145356W
Purchased by : M MADHUSUDHAN SON OF M SESHAGIRI ACHAR
Description of Document : Article 6 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : AP TRANSCO EXECUTIVE ENGINEER CONSTRUCTION KURNOOL
Second Party : Not Applicable
Paid By : AP TRANSCO EXECUTIVE ENGINEER CONSTRUCTION KURNOOL
Stamp Duty Amount(Rs.) : 50
(Fifty only)



Please write or type below this line

UNDERTAKING

It is proposed to carry out stringing activity of 220 KV DC line from 220/132/33KV APCarbides SS Kurnool to the exiting 220/11KV Settypalli SS between the angle points AP-50 and AP-51 near Bastipadu (Village), Kallur(Mandal) . This section is crossing National Highway NH-44 (Hyderabad to Bangalore) near Bastipadu (Village), between the KM stones 225 to 226 towards Bangalore. This section of the National High way is under the control of Project .Director, Project Implementation Unit, NHAI, Anantapur.

Stringing would be executed by Transmission Corporation of Andhra Pradesh Limited through agency M/s JKV Infracon PVT Ltd, Nellore.

In this context, I (M.Madhusudhan, Executive Engineer, Construction Division, Kurnool) on behalf of Transmission Corporation of Andhra Pradesh Limited here by undertake that, APTRANSCO will submit required licensee fee for crossing of 01 No. 220 KV DC line from 220/132/33KV APCarbides SS Kurnool to the exiting 220/11KV Settypalli SS as and when directed by NHAI.

We have ensured that we will follow the provisions of IRC 32-1969,CEA Regulations/Statutory provisions of Indian electricity rules and other relevant guidelines issued.

M. Madhusudhan
EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION, IE 0029194988
KURNOOL.

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DDO Code : 27002308001 O/o IG R
Unique Doc. Reference : SUBIN-APAP1801760443709272304577W
Purchased by : M MADHUSUDHAN SON OF M SESHAGIRI ACHAR
Description of Document : Article 6 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : AP TRANSCO EXECUTIVE ENGINEER CONSTRUCTION KURNOOL
Second Party : Not Applicable
Paid By : AP TRANSCO EXECUTIVE ENGINEER CONSTRUCTION KURNOOL
Stamp Duty Amount(Rs.) : 50
(Fifty only)



Please write or type below this line

UNDERTAKING

It is proposed to carry out stringing activity of 220 KV DC line from 220/132/33KV APCarbides SS Kurnool to the exiting 220/11KV Settypalli SS between the angle points AP-50 and AP-51 near Bastipadu (Village), Kallur(Mandal) . This section is crossing National Highway NH-44 (Hyderabad to Bangalore) near Bastipadu (Village), between the KM stones 225 to 226 towards Bangalore. This section of the National High way is under the control of Project .Director, Project Implementation Unit, NHA, Anantapur.

Stringing would be executed by Transmission Corporation of Andhra Pradesh Limited through agency M/s JKV Infracon PVT Ltd, Nellore.

In this context, I (M.Madhusudhan, Executive Engineer, Construction Division, Kurnool)on behalf of Transmission Corporation of Andhra Pradesh Limited here by undertake that, traffic movement during stringing work will be managed by Transmission Corporation of Andhra Pradesh Limited.

M. Madhusudhan
EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION,
KURNOOL. **IE 0029194990**

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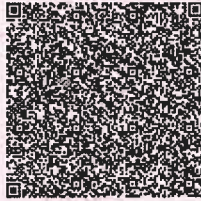


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Certificate No. : IN-AP77295290965782W
Certificate Issued Date : 04-Apr-2024 02:17 PM
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Unique Doc. Reference : SUBIN-APAP1801760443709501179406W
Purchased by : M MADHUSUDHAN SON OF M SESHAGIRI ACHAR
Description of Document : Article 6 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : AP TRANSCO EXECUTIVE ENGINEER CONSTRUCTION KURNOOL
Second Party : Not Applicable
Paid By : AP TRANSCO EXECUTIVE ENGINEER CONSTRUCTION KURNOOL
Stamp Duty Amount(Rs.) : 50
(Fifty only)



Please write or type below this line

UNDERTAKING

It is proposed to carry out stringing activity of 220 KV DC line from 220/132/33KV APCarbides SS Kurnool to the exiting 220/11KV Settypalli SS between the angle points AP-50 and AP-51 near Bastipadu (Village), Kallur(Mandal) . This section is crossing National Highway NH-44 (Hyderabad to Bangalore) near Bastipadu (Village), between the KM stones 225 to 226 towards Bangalore. This section of the National High way is under the control of Project .Director, Project Implementation Unit, NHAI, Anantapur.

Stringing would be executed by Transmission Corporation of Andhra Pradesh Limited through agency M/s JKV Infracon PVT Ltd, Nellore.

In this context, I (M.Madhusudhan, Executive Engineer, Construction Division, Kurnool) on behalf of Transmission Corporation of Andhra Pradesh Limited here by undertake that, during the 6 lanning or further development works of National Highway-44(Hyderabad to Bangalore), Transmission Corporation of Andhra Pradesh Limited would relocated the transmission lines at own cost as per the instructions of NHAI.

M. Madhusudhan
EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION,
KURNOOL.
IE 0029194991

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Government of Andhra Pradesh

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Purchased by : M MADHUSUDHAN SON OF M SESHAGIRI ACHAR
Description of Document : Article 6 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : AP TRANSCO EXECUTIVE ENGINEER CONSTRUCTION KURNOOL
Second Party : Not Applicable
Paid By : AP TRANSCO EXECUTIVE ENGINEER CONSTRUCTION KURNOOL
Stamp Duty Amount(Rs.) : 50
(Fifty only)



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UNDERTAKING

It is proposed to carry out stringing activity of 220 KV DC line from 220/132/33KV APCarbides SS Kurnool to the exiting 220/11KV Settypalli SS between the angle points AP-50 and AP-51 near Bastipadu (Village), Kallur(Mandal) . This section is crossing National Highway NH-44 (Hyderabad to Bangalore) near Bastipadu (Village), between the KM stones 225 to 226 towards Bangalore. This section of the National High way is under the control of Project .Director, Project Implementation Unit, NHAI, Anantapur.

Stringing would be executed by Transmission Corporation of Andhra Pradesh Limited through agency M/s JKV Infracon PVT Ltd, Nellore.

In this context, I (M.Madhusudhan, Executive Engineer, Construction Division, Kurnool) on behalf of Transmission Corporation of Andhra Pradesh Limited here by undertake that Transmission Corporation of Andhra Pradesh Limited will ensure compliance during stringing work of all safety norms that may be specified by NHAI from time to time for safe plying of the road traffic on Highway at KM stone 225 to 226 (Bangalore) during the execution of the above work.

M. Madhusudhan
EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION, IE 0029194992
KURNOOL.

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Purchased by : M MADHUSUDHAN SON OF M SESHAGIRI ACHAR
Description of Document : Article 6 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : AP TRANSCO EXECUTIVE ENGINEER CONSTRUCTION KURNOOL
Second Party : Not Applicable
Paid By : AP TRANSCO EXECUTIVE ENGINEER CONSTRUCTION KURNOOL
Stamp Duty Amount(Rs.) : 50
(Fifty only)



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It is proposed to carry out stringing activity of 220 KV DC line from 220/132/33KV APCarbides SS Kurnool to the exiting 220/11KV Settypalli SS between the angle points AP-50 and AP-51 near Bastipadu (Village), Kallur(Mandal) . This section is crossing National Highway NH-44 (Hyderabad to Bangalore) near Bastipadu (Village), between the KM stones 225 to 226 towards Bangalore. This section of the National High way is under the control of Project .Director, Project Implementation Unit, NHAI, Anantapur.

Stringing would be executed by Transmission Corporation of Andhra Pradesh Limited through agency M/s JKV Infracon PVT Ltd, Nellore.

In this context, I (M.Madhusudhan, Executive Engineer, Construction Division, Kurnool) on behalf of Transmission Corporation of Andhra Pradesh Limited here by undertake that Transmission Corporation of Andhra Pradesh Limited would pay or compensate for the damage caused to the NHAI property as per the directions of the PD,PIU,NHAI,Ananthapur on Highway at KM stone 225 to 226 (Bangalore) during the execution of the above work.

M. Madhusudhan
EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION
KURNOOL. **IE 0029194985**

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Purchased by : M MADHUSUDHAN SON OF M SESHAGIRI ACHAR
Description of Document : Article 6 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : AP TRANSCO EXECUTIVE ENGINEER CONSTRUCTION KURNOOL
Second Party : Not Applicable
Paid By : AP TRANSCO EXECUTIVE ENGINEER CONSTRUCTION KURNOOL
Stamp Duty Amount(Rs.) : 50
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AGREEMENT REGARDING GRANTING OF RIGHT OF WAY PERMISSIONS FOR LAYING UTILITY SERVICES ON NATIONAL HIGHWAYS

Agreement to lay Overhead Electric Power Transmission line across National Highway No.44 between KM 225 , 226 Near Bastipadu village, Kallur Mandal of Kurnool District, Andhra Pradesh.

This Agreement made this _____ day of _____ of 2024 between acting in his executive capacity through National Highways Authority of India (herein after referred to as the "Authority" which expression shall unless excluded by or repugnant to the context, include his successors in office and

M. S. S.
**EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION, IE 0029117086
KURNOOL.**

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assigns) on the one part, and M/s Transmission Corporation of Andhra Pradesh Limited, 132/33KV Sub-Station compound, Bellary Road, APTRANSCO Nilayam, Kurnool, Andhra Pradesh (hereinafter 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 211.000 to Km 462.164 of NH 44 RoW.

Whereas the Licensee proposes to lay crossing 220 KV DC line from 220/132/33KV APCarbides SS Kurnool to the exiting 220/11KV Settypalli SS, overhead Electric Power Transmission line across National Highway No. 44 between KM 225 to 226 , near Bastipadu village, Kallur Mandal of Kurnool District, Andhra Pradesh referred to as utility services in subsequent paras.

Whereas the Licensee has applied to the Authority for permission to lay utility Services across from KM 225 to 226 of road/route and whereas the Authority has agreed to grant such permission for way leave on the NH ROW as per terms and conditions herein after mentioned.

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

1. RoW permissions are only enabling in nature. The purpose of extending the wayleave 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,


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CONSTRUCTION-DIVISION,
KURNOOL.**

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 fulfilment 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./sq m/month to the Authority. The License fee shall become payable from the date of handing over of RoW land to the Licensee, for laying of utilities/cables/conduits/pipelines for infrastructure/ service provider. As regards Tariff and Terms and conditions for providing common utility ducts along National Highways, there shall be a separate agreement regime.

5. Fee shall have to be paid in advance for the period for which permission is granted for entering into a license agreement. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.

6. Present policy of the MoRT&H is to provide a 2.00 m wide utility corridor on either side of the extreme edge of RoW. In cases where utility ducts with sufficient space are already available along NH, the utility services shall be laid in such ducts subject to technical requirements being fulfilled.


**EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION,
KURNOOL.**

7. The utility services shall be laid at the edge of the RoW. In case of restricted width of RoW, which may be adequate only to accommodate the carriageway, central verge, shoulders, slopes of embankment, drains, other road side furniture etc; the utility services shall be laid beyond the toe line of the embankments and clear of the drain.

8. The Licensee shall make his own arrangement for crossing of cross drainage structure, rivers, etc. below the bed. In case, this is not feasible, the utility services may be carried outside the railings/parapets and the bridge superstructure. The fixing and supporting arrangement with all details shall be required to be approved in advance from the concerned Highway Administration. Additional cost on account of fixing and supporting arrangement as assessed by the Authority shall be payable by the Licensee.

9. In exceptional cases, where RoW is restricted the utility services can be allowed beneath the carriageway of service road, if available, subject to the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct shall not be less than one lane. In such cases, it also needs to ensure that maintenance of the utility services shall not interfere with the safe and smooth flow of traffic. The cost of operation and maintenance will have to be borne by the Licensee.

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.


**EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION,
KURNOOL.**

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14. The utility services shall cross the National Highway preferable on a line normal to it or as nearly so as practicable.

15. The casing/conduit pipe for crossing the road may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.

16. In case of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30cms but not more than 60 cms wider than the outer diameter of the pipe. Filling of the trench shall inform 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;


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CONSTRUCTION-DIVISION,
KURNOOL.**

18. All required restoration work subsequent to laying of Overhead Electric Power Transmission line across National Highway No. 44 at KM 225 to 226 near Bastipadu village, Kallur Mandal of Kurnool District, Andhra Pradesh, 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 timeschedule and quality standards.

19. Prior to commencement of any work on the ground, a performance Bank Guarantee @ Rs. per route metre / Rs per sq m with a validity of one year initially (extendable if required till satisfactory completion of work) shall have to be furnished by the Licensee to the Authority/its designated agency as a security against improper restoration of ground in terms of filling/unsatisfactory compaction damages caused to other underground installations/utility services & interference, interruption, disruption or failure caused thereof to any services etc. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.

20. In case, the Performance Bank Guarantee is invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required Performance Bank Guarantee within one month of such invoking. In case the work contemplated herein is not completed to the satisfaction of the Authority, which has granted the permission, within a period of 11 months from the date of issue of the Bank Guarantee, the Licensee shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. Notwithstanding this, the Licensee shall be liable to pay full compensation to the aggrieved Authority/ its designated agency for any damage sustained by them by reason of the exercise of the RoW facility;

21. The Licensee shall shift the utility services within 90 days (or as specified by the respective Authority) from the date of issue of the notice by the concerned Authority to shift/relocate the utility services, in case it is so required for the purpose of


**EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION,
KURNOOL.**

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 to 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) no damage to the highways. As far as possible, the Licensee should avoid cutting of the road for crossing highway, and other roads and try to carry out the work by trenchless technology. In case any damage is caused to the road pavement in this process, the Licensee will be required to restore the road to the original condition at its cost. If due to unavoidable reasons the road needs to be cut for crossing or laying utility services, the Licensee has to execute the restoration work in a time bound manner at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to


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make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.

26. The Licensee shall inform/give a notice to the concerned agency designated by the Authority at least 15 days 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. Each day, the extent of digging the trenches should be strictly regulated so that utility services are laid and trenches filled up before the close of the work that day. Filling should be completed to the satisfaction of the concerned agency designated by the Authority.

28. The licensee shall indemnify the concerned agency in co-ordination with Authority, against all damages and claims, if any due to the digging of trenches for laying cables/ducts.

29. The permission for laying utility services is granted maximum for 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be renewed, unless defaults exist. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.

30. The permission shall be valid only for the period it is issued and fee deposited. However, the Authority also has a right to terminate the permission or to extend the period of Agreement.

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


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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 Overhead Electric Power Transmission line across National Highway No. 44 at KM 225 to 226 near Bastipadu village, Kallur Mandal of Kurnool District, Andhra Pradesh (with respect to the NH) and after complete restoration shall be submitted to the Authority for verification and record within a month of completion of works.

36. The Licensee shall allow free access to the Site at all times to the authorised 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,


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- 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 Some away from the edge of the RoW.

42. Any disputes in interpretation of the terms and conditions of this Agreement or their implementation shall be referred to the redress mechanism prevailing in the Ministry and the decision of the redress mechanism shall be final and binding on all.


43. For PPP Projects, in case of any financial loss incurred by the respective project concessionaires due to such laying/shifting of utility services by the Licensee, compensation for the same shall be required to be borne by the Licensee in mutual


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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.

IN WITNESS WHERE OF 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.


Signed by Sri  (M. MADHUSUDHAN)
**EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION,
KURNOOL.**

Signed by Sri _____


Project Director

For TRANSMISSION CORPORATION
OF ANDHRA PRADESH LTD

National Highways Authority of India
(For and on behalf of President of India)

1.  In the presence of
(D. UMAMAHESWAR RAO)
**Dy. Executive Engineer
Construction Sub Division-II
AP TRANSCO, Anantapur.**

1. _____
Name in full (Signature) with designation

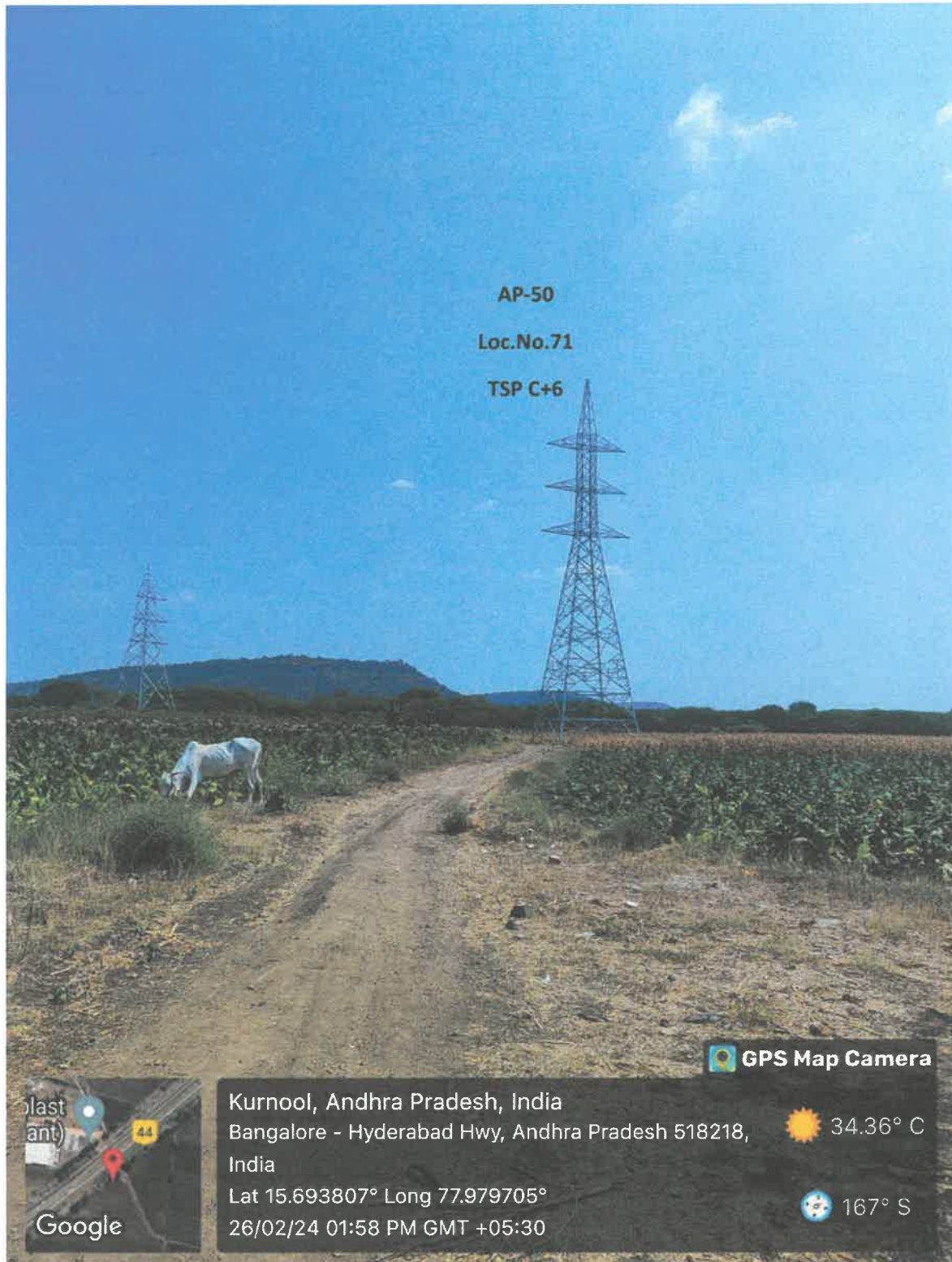
2.  (K. RAMESH BABU)
**Deputy Executive Engineer
MRT Projects A.P. Transco
Anantapuramu.**

2. _____
Name in full (Signature) with designation



TRANSMISSION CORPORATION OF ANDHRA PRADESH LTD

**Proposed National High way 44 crossing of 220 KV DC line from
220/132/33KV APCarbides SS Kurnool to the existing 220/11KV
Settypalli SS**

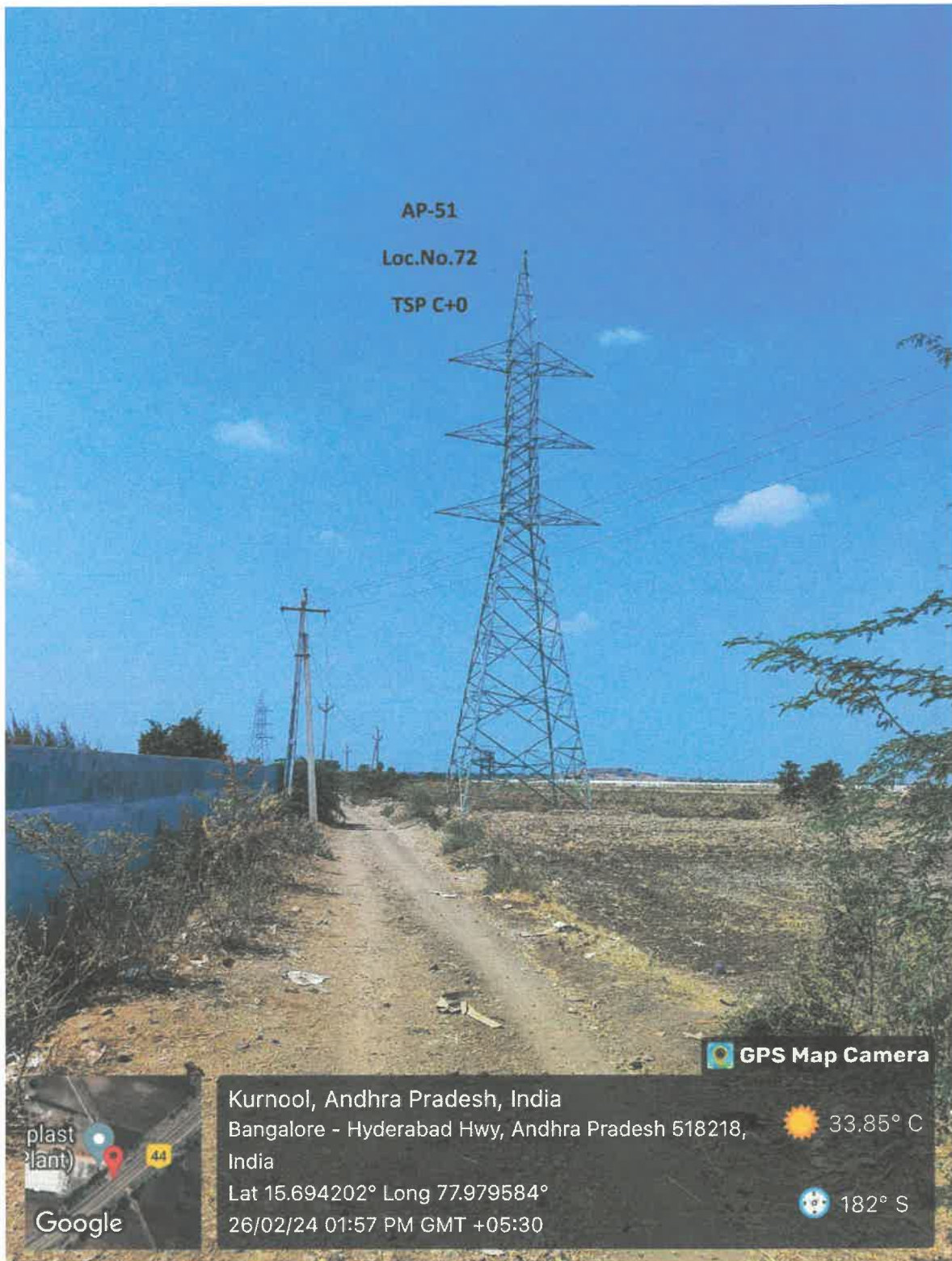


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**EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION,
KURNOOL.**

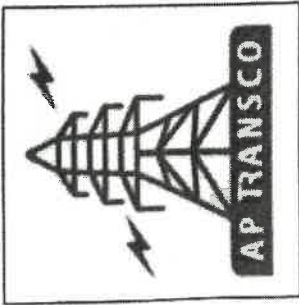


TRANSMISSION CORPORATION OF ANDHRA PRADESH LTD

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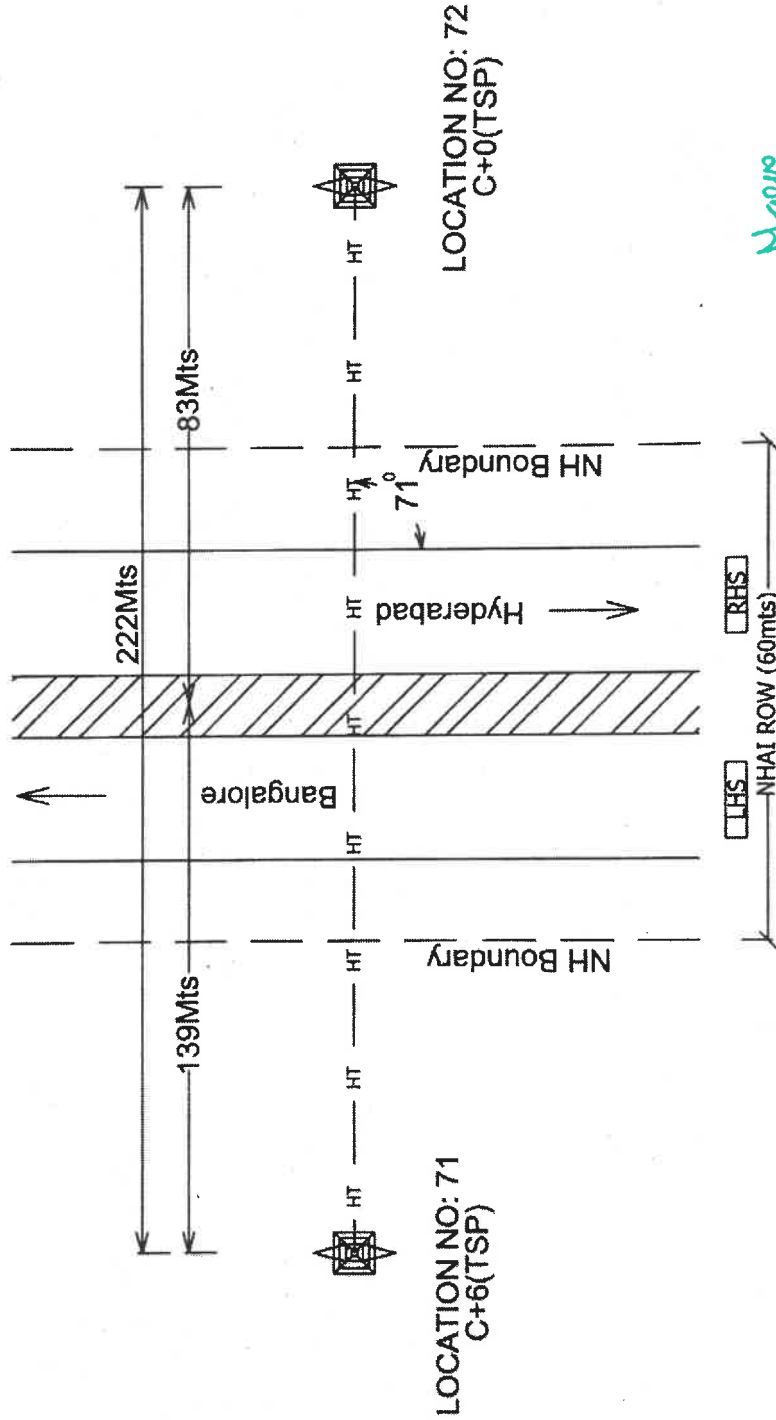


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**EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION,
KURNOOL.**



TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

DETAILS OF OVERHEAD CROSSING OF EXISTING NH-44 KURNOOL - BANGLORE HIGHWAY
NEAR BASTIPADU VILLAGE OF PROPOSED 220KV AP CARBIDES TO SETTIPALLI LINE

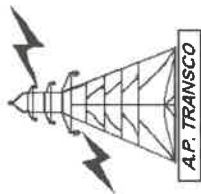


Note: DRAWING NOT TO SCALE
ALL DIMENSIONS ARE IN METER

EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION,
KURNOOL.

Project Director
NHAI P.U., Anantapur.
Ram Nagar, ANANTHAPURAM,
Andhra Pradesh - 515 001.
D No. 6-2-894, 1st Floor
SA INFRASTRUCTURE CONSULTANTS PVT. LTD.
OR 10 Hyderabad 100001

[Signature]
SAI NARAYAN



TRANSMISSION CORPORATION OF ANDHRA PRADESH LTD

**Proposed National High way 44 crossing of 220 KV DC line from 220/132/33KV
APCarbides SS Kurnool to the existing 220/11KV Settypalli SS**



Y. K. Rao

Y. K. Rao

**EXECUTIVE ENGINEER
CONSTRUCTION-DIVISION,
KURNOOL.**

**SAMPRASIDDHI CONSTRUCTORS PVT. LTD.
D.No. 6-2-894, 1st Floor
Ram Nagar, ANAVI TRAPUPAM,
Andhra Pradesh - 515 004**

Y. K. Rao