

No. RO/VJA/Misc.24/B/NH-71/Sl.no.81 /1061

Government of India

Ministry of Road Transport & Highways

Regional Office, Vijayawada

Door No.41-29-45A, 3<sup>rd</sup> & 4<sup>th</sup> floors, MORTH/NHAI Buildings, Ranigarithota,  
Near Kanakadurga Varadhi, Krishnalanka, Vijayawada-520013. Tele: 0866-2571985

Dated: 23.12.2021

Invitation of Public Comments

**Sub: (R&B) NH Circle, ATP - (R&B) NH Division, Kadapa - Proposal for laying APTRANSCO EHV UG cables by HDD method (Horizontal Directional drilling of (1) (i) 220 KV Renigunta - GD Nellore DC line and (ii) 132 KV Renigunta - Chittoor SC line crossing on NH-71 at km 122/8 near Yellamma Temple by APTRANSCO in the State of Andhra Pradesh - reg.**

Please find enclosed herewith the proposal in accordance with Ministry's latest guidelines dated 22.11.2016 forwarded by Chief Engineer(R&B), NH & CRF, AP vide letter dated 19.03.2021 for laying APTRANSCO EHV UG cables (i) 220 KV Renigunta - GD Nellore DC line and (ii) 132 KV Renigunta - Chittoor SC line crossing on NH-71 at km 122/8 near Yellamma Temple by APTRANSCO in the State of Andhra Pradesh by the Horizontal Directional Drilling (HDD) method.

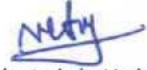
2. As per the guidelines, issued by the Ministry vide Circular No.RW/NH-33044/29/2015/S&R(R) dated 22.11.16, the proposal for Highway crossing permission along & across National Highways shall be put out in the public domain for 30 days for seeking claims and objections on grounds of public inconvenience, safety and general public interest.

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

The Regional Officer,  
Ministry of Road Transport and Highways,  
Door No.41-29-45A, 3<sup>rd</sup> & 4<sup>th</sup> floors,  
MORTH/NHAI Buildings, Ranigarithota,  
Near Kanakadurga Varadhi, Krishnalanka,  
Vijayawada-520013, Email id: [romorthvijayawada@gmail.com](mailto:romorthvijayawada@gmail.com).

Yours Faithfully,

Encl: As above



(Venkataiah Mekala)

Sr. Technical Assitant,

For Regional Officer, MoRTH, Vijayawada

Copy to:

- 1) Senior Technical Director, NIC for uploading on the Ministry's website.
- 2) The Chief Engineer(R&B), NH & CRF, AP.
- 3) The Executive Engineer, Construction Division, APTRANSCO, Tirupati.



GOVERNMENT OF ANDHRA PRADESH  
ROADS & BUILDINGS DEPARTMENT



From  
Sri.V.Ramachandra M-Tech  
Chief Engineer (R&B)  
National Highways & CRF  
Room No.410  
State HoD Offices Building,  
MG Road, VIJAYAWADA - 520010.

To  
The Regional Officer, MoRTH  
D.No.38-2-3/2, Gorle Dalappana Veedhi  
Near American Hospital  
Punnami Thota  
Vijayawada-520010

Lr. No.1/ OFC/ CE(NH) (NH)/DCE(NH) /EE(NH&CRF)/DEE5/AEE2/2020-21 dt:19-03-2021

- Sub: (R&B) NH Circle, ATP - (R&B) NH Division, Kadapa - Permission of laying APTRANSCO EHV UG Cables by HDD method (Horizontal Directional drilling of (1) (i) 220 KV Renigunta - GD Nellore DC line and (ii) 132 KV Renigunta - Chittoor SC line crossing on NH-71 at km 122/8 near yellamma Temple by APTRANSCO in the state of Andhra Pradesh - In principle approval for Permission of laying APTRANSCO EHV UG Cables Regarding.

- Ref: 1. Ministry Circular No. RW/NH-33044/29/2015/S&R(R) dt. 22.11.16  
2. SE/NH/Anantapuramu letter No: NH 71/OFC/HDD/SE/NH/ATP/ATO/2020-21 dt 26-09-2020  
3. SE/NH/Atp letter No: NH 71/OFC/HOD/SE, NH,ATP/ATO/2020-21 dt 19-01-2021

The SE(R&B), NH, Anantapur in the reference 1<sup>st</sup> cited has submitted the proposal for laying of EHV UG Cables by HDD method (Horizontal Directional drilling of (1) (i) 220 KV Renigunta - GD Nellore DC line and (ii) 132 KV Renigunta - Chittoor SC line crossing on NH-71 at km 122/8 near yellamma Temple by APTRANSCO in the state of Andhra Pradesh.as per Ministry's new policy guidelines dt.22.11.2016 with the following details/particulars are here with submitted for according approval.

- a) Draft License Agreement – verified found to be in order. ✓  
b) Filled –in Check-list for getting approval for laying of OFC on NH land as per Ministry's Ir No. RW/NH-33044/29/S&R® dated 22.11.2016

- c) Estimate for License fee as per Ministry's Ir No. RW/NH-33044/29/S&R® dated 22.11.2016 amounting to Rs. 23000 which is in order
- d) Estimate for the amount payable towards performance security by the applicant before signing of the agreement with the Authority for an amount of **Rs. 10,000/-** which is in order.
- e) Necessary **Undertakings** as per the Ministry's Ir No. RW/NH-33044/29/S&R® dated 22.11.2016 which is in order.
- I) Certificate to the extent that the proposal is meeting all the requirements as per the Ministry guidelines communicated vide Ir No. RW/NH-33044/29/S&R(R) dated 22.11.2016 .
- J) The ROW is 20m at the section at 122/8 of NH 71 as reported by EE/NH division Kadapa
- K) Prevailing circle rate of land
- L) Safety clearance certificate issued by EE, Construction Division , Tirupati
- M) Cross section drawings/site plans signed by EE/NH/Kadapa

Hence, the above proposal is forwarded for according approval for Permission of laying APTRANSCO EHV UG Cables as per the conditions laid down in Ministry's guide lines dt:22.11.2016.

Encl: Book let-1 No

Yours sincerely

Sd/-

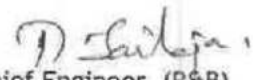
V.Ramachandra

Chief Engineer (R&B)

NH&CRF, A.P., Vijayawada

Copy to the Superintending Engineer N.H.circle, Vijayawada

Copy to the Executive Engineer, N.H.Division, Kadapa

  
For Chief Engineer (R&B)  
NH&CRF, A.P., Vijayawada

22/11/16

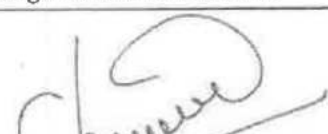
### CHECK-LIST

Guidelines for processing the proposal for laying of utility in the land along National Highways vested with R&B(NH)/PWD/BRO

#### Relevant Circulars

Ministry of Road Transport & Highways (MoRTH) guidelines vide letter No. RW/NH-33044/29/2015/S&R (R) dated 22-11-2016.

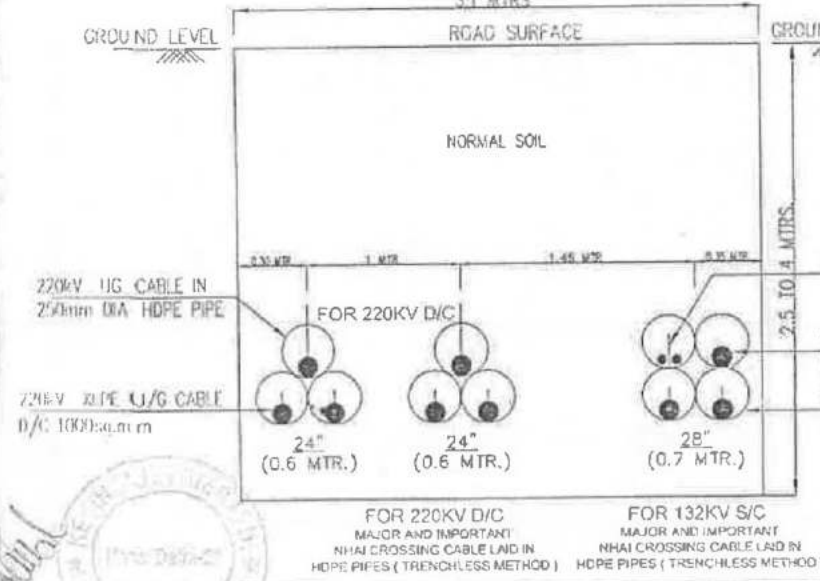
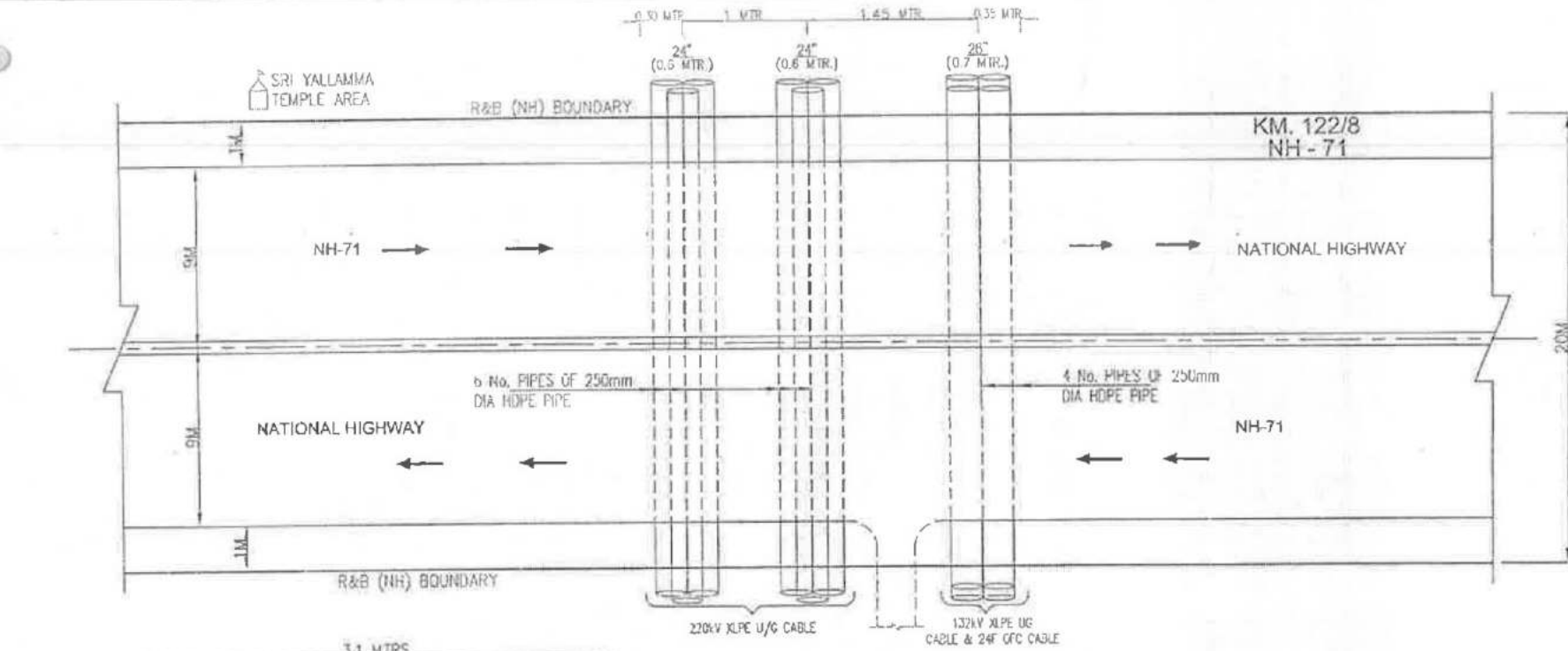
Sl.No	Item	Information/Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant/Agency	The Executive Engineer Construction Division APTRANSCO, Tirupati	
1.2	National Highway Number	NH-71	
1.3	State	Andhra Pradesh	
1.4	Location	Near Sri Yellamma Temple, Renigunta, Chittoor District of Andhrapradesh.	+
1.5	(Chainage in km)	at KM 122/8 of NH-71.	+
1.6	Length in Meters	20 meters	
1.7	Width of available ROW		no 62 m mentioned
(a)	Left side from center line towards increasing chainage/ km direction	NA	
(b)	Right side from center line towards increasing chainage/ km direction	NA	
1.8	Proposal to lay the utility		
(a)	Left side from center line towards increasing /km direction	Crosses the road at KM 122/8 of NH-71	
(b)	Right side from center line towards increasing /km direction	Crosses the road at KM 122/8 of NH-71	
1.9	Proposal to acquire land		
(a)	Left side from center line	NA	
(b)	Right side from center line	NA	
1.10	Whether proposal is in the same side where land is not to be acquired	Yes	
	If not then where to lay the cable	NA	
1.11	Details of already laid services, if any, along the proposed route	NA	
1.12	Number of existing lanes (2/4/6/8 lanes)	2 Lanes	
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	No	
(a)	Left side from center line	NA	
(b)	Right side from center line	NA	
1.15	Proposed Service road	NA	
(a)	Left side from center line	NA	
(b)	Right side from center line	NA	

  
Deputy Executive Engineer  
(R&B), NH, Sub Division, Tirupati.

  
EXECUTIVE ENGINEER  
CONSTRUCTION DIVISION, A.P. TRANSCO  
TIRUPATI.

Executive Engineer (R&B)  
N.H. DIVISION, KADAPA.





**EXECUTIVE ENGINEER**  
CONSTRUCTION DIVISION, A.P. TRANSCO  
TIRUPATI.

**Deputy Executive Engineer**  
Construction Sub Division-II  
AP TRANSCO, TIRUPATI.

**Asst. Executive Engineer**  
Sec-III, Construction Sub Division-II  
AP TRANSCO, TIRUPATI.

LETTER NO. CPT110/ED/Const./SE(PM)/F.Airport/A/DI/D.No.1188/2019 Dt: 16.10.2019

**KEI**  
INDUSTRIES LTD  
NEW DELHI 110020

CUSTOMER : APTRANSCO

PROJECT: (i) CONVERSION OF 220KV RENIGUNTA-G.D. NELLORE DC LINE BY LAYING 2 NOS OF 220KV U/G CABLE DISMANTLING OF EXISTING LINE FROM LOC NO. 8 TO 11 OF 220KV RENIGUNTA - G.D. NELLORE DC LINE AND ERECTION OF D+O TOWER BETWEEN LOCATION No. 5&6.

(ii) DIVERSION OF 132KV RENIGUNTA - CHITTOOR SC LINE BY LAYING OF 2 NOS OF 132KV SC U/G CABLE, DISMANTLING OF EXISTING LINE FROM LOC No. 207 TO LOC No. 212 OF 132KV RENIGUNTA-CHITTOOR SC LINE AND ERECTION OF 2 NOS. 9-3 TOWERS BETWEEN LOCATION 212 & 213 & NEAR LOCATION No. 207.

TITLE : RAILWAY CROSSING DRAWING FOR 132KV & 220KV CABLE LAYING ARRANGEMENT BY HDD (TRENCHLESS METHOD)

FOR APPROVAL PURPOSE

DESIGNED	29.07.20	RPS
DRAWN	29.07.20	RPS
CHECKED	29.07.20	JT07M
APPROD.	29.07.20	V.K.T

SCALE: --- MTS


JOB. No. EKV


KEI: APT: 5061D

**Executive Engineer (R&B)**  
R&B DIVISION, TIRUPATI.

CHECK-LIST

1.16	Whether proposal to lay cable is after the service road or between the service road and main carriageway	NA	
1.17	Whether carrying of sewage/HDPE Pipe Laying (UG Cable) has been proposed on highway/bridges? If Yes then mention the methodology proposed for the same	No	
1.18	Whether carrying of sewage/HDPE Pipe Laying (UG Cable) has been proposed on the parapet/any part of the bridges? If Yes then mention the methodology proposed for the same	No	
1.19	If Crossing 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 expense of the agency owning the line	Yes Encased in HDPE pipes ( by HDD method )	/
(a)	Whether the existing drainage structures are allowed to carry the utility pipeline	NA	
(b)	Is it on a line normal to NH	Yes	see b2 drawing
(c)	What is the distance of crossing the utility pipelines from the existing structures? Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.	NA	
(d)	The casing pipe (or conduit pipe in the case of electric cable) line carrying the utility line shall be of steel, cast iron or reinforced concrete and have adequate strength and be large enough to permit ready withdrawal of carrier pipe/cable Mention type of casing.	250 mm dia HDPE pipe ==	
(e)	Ends of the casing/conduit pipe shall be sealed from outside, so that it does not act as a drainage path	Yes	-
(f)	The casing/conduit pipe should be as minimum extend from drain to drain in cuts and toe of slope in fills	Yes	-
(g)	The top of the casing/conduit pipe should be at least 1.2meter below the surface of the road subject to being at least 0.3 m below the drain inverts. Mention the proposed details	As per the site condition 2.5 to 4 Mtr depth shall be maintained	7

  
Deputy Executive Engineer  
(R&B) NH, Sub Division, Tirupati.

  
EXECUTIVE ENGINEER  
CONSTRUCTION DIVISION, A.P. TRANSCO  
TIRUPATI.

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7/19/21  
EXECUTIVE ENGINEER (R&B)  
N.H. DIVISION, KADAPA.

**CHECK-LIST**

(h)	Mention the methodology proposed for crossing of road for the proposed EHV UG Cable laying. Crossing shall be by boring method (HDD) (Trenchless Technology), specially where the existing road pavement is of cement concrete or dense bituminous concrete type	HDD Methodology	
(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	Yes	
2	Documents/Drawings to be enclosed with the proposal		
2.1	Cross section showing the size of trench for open trenching	NA	
	Is it normal size of 1.2 Mtr deep x 0.3 Mtr wide	NA	
(i)	Should not be greater than 60 cms wider than the outer diameter of the pipe	NA	
(ii)	Located as close to the extreme edge of the Right of Way as possible but not less than 7.5 Mtr from the centre line of the nearest carriageway	NA	
(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	NA	
(iv)	These should be so laid that their top is at least 0.6m below the ground level so as not to obstruct drainage of the road land	NA	
2.2	Cross section showing the size of pit and location of cable for HDD method	Drawing Enclosed	Not enc 10/02/2017
3	Draft License Agreement signed by two witnesses	Enclosed	
3.1	The License fee estimates as per Ministry's guidelines issued vide circular No. RW/NH-33044/29/2015/S&R (R) dated 22-11-2016	Enclosed	
4	Whether performance Bank Guarantee as per Ministry guidelines issued vide circular No RW/NH-33044/29/2015/S&R (R) dated 22-11-2016 is obtained	Yes, Enclosed	

*[Signature]*  
Deputy Executive Engineer  
(R&B) NH, Sub Division, Tirupati.

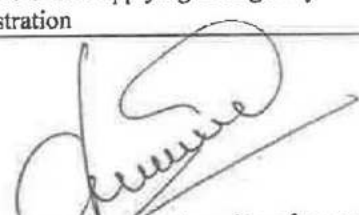
*[Signature]*  
EXECUTIVE ENGINEER  
CONSTRUCTION DIVISION, A.P. TRANSCO  
TIRUPATI.

Executive Engineer (R&B)  
N.H. DIVISION, KADAPA.




**CHECK-LIST**

4.1	Confirmation of BG has been obtained or not as per MoRTH/R&B(NH) guidelines	BG Submitted at the O/o EE/R&B(NH)/Kadapa	10/02/2016
5	Affidavit/undertaking from the Applicant for following is to be furnished		
5.1	Undertaking for not to damage any other utility, if damaged then to pay the losses either to R&B(NH) or to the concerned agency	Yes	
5.2	Undertaking for Renewal of Bank Guarantee as and when asked by MoRTH/R&B(NH)	Yes	
5.3	Undertaking for confirming all standard conditions of Ministry/ R&B(NH)'s guidelines	Yes	
5.4	Undertaking for Indemnity against all damages and claims	Yes	
5.5	Undertaking for management of traffic movement during laying of utility line without hampering the traffic	Yes	
5.6	Undertaking that if any claim is raised by the Concessionaire/contractor then the same has to be paid by the applicant	Yes	
5.7	Undertaking that prior approval of the R&B(NH) shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the utility located in the National Highway Right of Ways.	Yes	
5.8	Undertaking that expenditure if any incurred by R&B(NH) for repairing any damage caused to the NH by laying, maintenance or shifting of the utility line will be borne by the applicant agency owing the line.	Yes	
5.9	Undertaking that text of the License deal is as per verbatim of format issued by MoRTH vide circular No. RW/NH-33044/29/2015/S&R (R) dated 22-11-2016	Yes	
5.10	Undertaking that the applicant has obtained various safety clearances from the respective 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 as applicable before applying to Highway Administration	Yes	

  
Deputy Executive Engineer  
(R&B) NH, Sub Division, Tirupati.

  
EXECUTIVE ENGINEER  
CONSTRUCTION DIVISION, A.P. TRANSCO  
TIRUPATI.

  
Executive Engineer (R&B)  
N.H. DIVISION, KADAPA.

Page 4 of 6

**CHECK-LIST**

5.11	We undertake to carry out the work of moving the utility line at our cost as desired by the MoRTH/ R&B(NH) for any work of improvement or repairs to the road within a reasonable time (not exceeding 60 days) of the intimation given	Yes	
5.12	Certificate from the applicant in the following format  1) Laying of HDPE Pipe Laying (UG Cable) will not have any deleterious effects on any of the bridge components and Roadway safety for Traffic  2) We do undertake that I/We relocate service road/approach road/Utilities at my/our own cost notwithstanding the permission granted within such time as will be stipulated by R&B(NH) for future six Laning or/any other development	Enclosed	
6	Who will sign the agreement on behalf of HDPE Pipe Laying (UG Cable) Agency?  Power of attorney to sign the agreement is available or not	The Executive Engineer, Construction Division, A.P.Transco, Tirupati  NA	
7	The Project Director shall submit the following certificates		
7.1	Certificate that the proposal is confirming to all standard conditions issued vide MoRTH circular No. RW/NH/33044/29/2015/S&R Dated 22.11.2016	NA	Needed
7.2	Certificate from the PD in the following format 1) "It is certified that any other location of the HDPE Pipe Laying (UG Cable) would be extremely difficult and unreasonably costly and the installation of HDPE Pipe Laying (UG Cable) within ROW will not adversely affect the design, stability and traffic safety of the highway nor the likely future improvement such as widening of the carriage way, easing of curve etc., 2) For 6-laning  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 structures at the said location"  b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-Laning"	NA	Needed


*[Signature]*  
Deputy Executive Engineer  
(R&S) NH, Sub Division, Tirupati.

*[Signature]*  
EXECUTIVE ENGINEER  
CONSTRUCTION DIVISION, A.P. TRANSCO  
TIRUPATI.

*[Signature]*  
Executive Engineer (R&B)  
N.H. DIVISION, KADAPA

CHECK-LIST

8	If NH section proposed to be taken up by R&B(NH) on BOT basis – a clause is to be inserted in the agreement “the permitted highway on which licensee has been granted the right lay HDPE Pipe Laying (UG Cable)/duct has also been granted as a right of way concessionaire under the concession agreement for up gradation of Madanapalli - Naidupeta Road section at KM 122/8 of NH No. 71 on build, operate and transfer basis and therefore the licensee shall honor same	NA	
9	Who will supervise the work of laying utility Pipe Line		
(a)	On behalf of Applicant	Executive Engineer, Construction Division, APTRANSCO, Tirupati	
(b)	On behalf of MoRTH/ R&B(NH)	Executive Engineer, R&B(NH) Division, Kadapa	
10	Who will ensure that the defects in road portion after laying of utility pipeline are corrected and if not corrected then what action will be taken		
(a)	On behalf of the applicant	Executive Engineer, Construction Division, APTRANSCO, Tirupati	
(b)	On behalf of MoRTH/ R&B(NH)	Executive Engineer, R&B(NH) Division, Kadapa	
11	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire	A.P.Transco	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed Proforma (Copy enclosed)	NA	NA
13	If any previous approval is accorded for laying cable line then photocopy of register of records of permissions accorded (as maintained by PD) to be enclosed	NA	NA

  
Deputy Executive Engineer  
(R&B) NH, Sub Division, Tirupati,

  
EXECUTIVE ENGINEER  
CONSTRUCTION DIVISION, A.P. TRANSCO  
TIRUPATI.

  
Executive Engineer (R&B)  
N.H. DIVISION, KADAPA



## **SAFETY CLEARANCE CERTIFICATE**

**Name of Work:-** Laying of 220 KV and 132 KV XLPE UG cable by HDD method through 250 mm dia HDPE pipes along NH-71 (Madanapalli to Naidupeta Road) at 122/8 KM for a total route length of 20 Mtrs in Renigunta, Chittoor District of Andhra Pradesh under the jurisdiction of R&B, NH Division, Kadapa.

It is to certify that, the Laying of HDPE Pipe (UG Cable) will not have any deleterious effects on Roadway safety for Traffic.

It is to certify that, the top of the casing/conduit pipe shall be maintained at a depth of 2.5 to 4 Mtr below the ground level as per the site condition.

It is to certify that, the HDPE casing/Conduit pipe shall be installed with an even bearing throughout its length and in such a manner so as to prevent the formation of a water way along it.

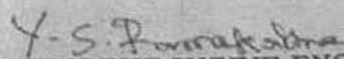
It is to certify that, proper electrical earthing will be done at both ends of the XLPE UG cable to limit the induced voltage if any.

It is to certify that, the necessary protection equipment is provided at both end substations of the EHT Lines.

It is to certify that, proper earthing will be done at both end substations of the EHT Lines.



**EXECUTIVE ENGINEER  
CONSTRUCTION DIVISION  
APTRANSCO, TIRUPATI**

  
**DEPUTY EXECUTIVE ENGINEER  
CONSTRUCTION SUB DIVISION-II  
APTRANSCO, TIRUPATI**







**TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED**

From  
Executive Engineer,  
Construction Division,  
A.P.Transco.,  
TIRUPATI.

To  
The Executive Engineer (R&B),  
NH Division, Kadapa,  
YSR District.

**Lr.No:EE/ Const /TPT/AEE(T)/F.No: 63 /D.No: 403 / 20, Dt: 15.07.2020.**

Sir,

Sub: APTRANSCO-Construction-Division -Tirupati - Diversion of (i) 220 KV Renigunta-G.D.Nellore DC line by laying 2 KM of 220 KV UG Cable, (ii) 132 KV Renigunta-Chittoor SC line by laying of 2 KM of 132 SC UG cable and (iii) 132 KV Renigunta-Puttur DC line by laying of 2 KM of 132 KV DC UG cable in Chittoor District for expansion of Tirupati Airport to International Airport - Arranging permission for laying of UG Cables - Issuing of Demand Notice Separately for 220 KV & 132KV Line crossing location at Km.122/8 of NH-71 - Requested -Regarding.

- Ref: (1) T.O.O(CE-Construction-II)MS.No.49, Dt:05.03.2014  
(2) Lr.No.CPT 110/ED/Const/SE(PM)/F.Airport/L.O.I/D.No.1188/1, Dt 16.10.19  
(3) Lr.No:EE/ Const /TPT/AEE(T)/F.No: 18 / D.No:1130/ 19, Dt: 23.11.2019.  
(4) Lr.No.Road Cutting/R&B NH/KDP/TA/2018-19,Dt.17.02.2020.  
(5) Lr.No.Road Cutting/R&B NH/KDP/TA/2018-19,Dt.02.06.2020.  
(6) Lr.No:EE/ Const /TPT/AEE(T)/F.No: 18 / D.No:276/20, Dt: 23.06.2020.  
(7) Lr.No.Road Cutting/R&B NH/KDP/TA/2018-19,Dt.06.07.2020.

\*\*\*\*

Please refer to the correspondence (3) to (5) cited above, regarding laying of UG Cables for expansion of existing Renigunta Airport as International Airport. In the reference (3) cited above, it was requested to arrange permission for laying of 220KV and 132KV DC/SC UG Cables for about 2.0 Km for the 220KV Renigunta-G.D.Nellore DC Line & 132KV Renigunta-Chittoor SC Lines are crossing NH-71 near Sri Yellamma Temple, Renigunta and (ii)132KV Renigunta- Puttur DC Line is passing along NH-71 from SAKSHI press to Yoganada college.

In response to the above, The Executive Engineer/R&B(NH) Division/Kadapa vide reference (4) cited has issued the demand notice for an amount of Rs.11,10,000.00 (Rupees Eleven Lakh Ten Thousand only) towards payment of Road cutting Restoration charges in the shape of License and for an amount of Rs.1,67,000.00 (Rupees One lakh Sixty Seven thousand only) towards performance bank Guarantee.

Further, in response to this office letter vide reference(6) cited, the Executive Engineer, R&B(NH) Division, Kadapa vide reference(6) cited has requested to give undertaking in case shifting is required for the four laning work from Renigunta to Naidupeta.

In this regard it is to inform that, out of the subject works, only the work of laying of UG Cable for the 132KV Renigunta-Puttur DC line is passing along the Renigunta-Naidupeta section of NH-71 for which we have initiated the necessary action for taking the approval for giving undertaking.

As the remaining works i.e. (i) 220 KV Renigunta-G.D.Nellore DC line by laying 2 KM of 220 KV UG Cable and (ii) 132 KV Renigunta-Chittoor SC line by laying of 2 KM of 132 SC UG cable are under execution and hence it is requested to arrange the Demand Notice separately for the 220KV Renigunta-G.D.Nellore DC Line & 132KV Renigunta-Chittoor SC Lines, which are crossing NH-71 at Km.122/8 near Sri Yellamma Temple, Renigunta for arranging payment at the earliest.

**EXECUTIVE ENGINEER  
CONSTRUCTION DIVISION  
APTRANSCO : TIRUPATI**

Copy Submitted to the Superintending Engineer/OMC Circle/Tirupati

Copy Submitted to the Chief Engineer/Kadapa Zone/Kadapa

Copy Submitted to the Executive Director/Construction-II/VS/Vijayawada (\*)

(\*) for favor of information please.

Copy to the Deputy Executive Engineer/Const/SD-II/Tirupati.



**TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED**

From  
The Executive Engineer  
Construction Division  
APTRANSCO : Tirupati.

To  
The Executive Engineer  
(R&B) NH Division  
Near Marriapuram Church  
Kadapa.

8/25/11/19

Lr.No:EE/ Const /TPT/AEE(T)/ F.No: 18 / D.No:1130/ 19, Dt: 23.11.2019.

Sir,

Sub: APTRANSCO-Construction-Division-Tirupati -Diversion of (i) 220 KV Renigunta-G.D.Nellore DC line by laying 2 KM of 220 KV UG Cable ,(ii) 132 KV Renigunta-Chittoor SC line by laying of 2 KM of 132 SC UG cable and (iii) 132 KV Renigunta-Puttur DC line by laying of 2 KM of 132 KV DC UG cable in Chittoor District for expansion of Tirupati Airport to International Airport - Arranging permission for laying of UG Cables - Requested -Regarding.

Ref: (1) T.O.O(CE-Construction-II)MS.No.49 Dt:05.03.2014  
(2) Lr.No.CPT 110/ED/Const/SE(FM)/F.Airport/L.O.I/D.No.1188/19 Dt 16.10.19  
(3) Lr.No:DEE/ Const /SD-II/TPT/ F.No: 64/ D.No: 593 / 19, Dt: 23.11.2019.

\*\*\*\*

It is to submit that APTRANSCO has accorded Administrative approval for shifting of 220 KV & 132 KV lines falling in Run - way extension area of Renigunta Airport vide reference (1) cited above and the work was awarded to M/s KEI Industries Limited, Hyderabad vide reference (2) cited above.

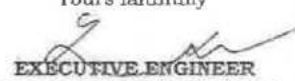
The APTRANSCO has proposed the route for laying of the UG Cables for the following works for Expansion of existing Renigunta Airport as International Airport and the details are as follows.

- (i) Diversion of 220 KV Renigunta-G.D.Nellore DC line by laying 2 KM of 220 KV UG Cable
- (ii) Diversion of 132 KV Renigunta-Chittoor SC line by laying of 2 KM of 132 SC UG cable and
- (iii) Diversion of 132 KV Renigunta-Puttur DC line by laying of 2 KM of 132 KV DC UG cable in Chittoor District .

In this connection, it is to submit that the 220 KV Renigunta-G.D.Nellore DC line & 132 KV Renigunta-Chittoor SC lines are crossing NH-71 near Sri Vellamma Temple, Renigunta and (ii) 132 KV Renigunta-Puttur DC line is passing along NH-71 from SAKSHI press to Yogananda College for about 2.0 Km as per the enclosed sketch.

Hence ,it is requested to arrange the permission for execution of above said work at the earliest.

Yours faithfully

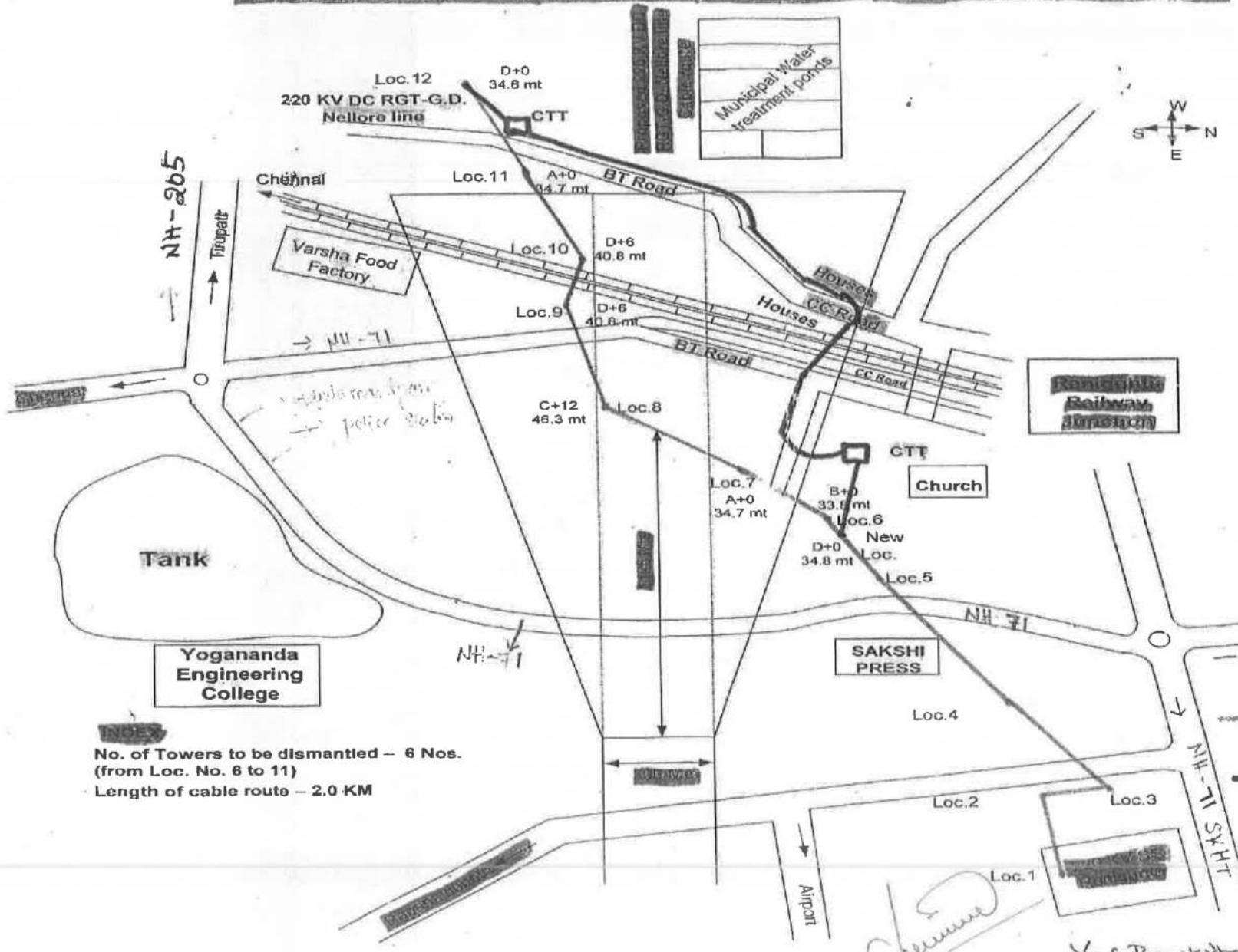
  
**EXECUTIVE ENGINEER  
CONSTRUCTION DIVISION  
APTRANSCO : TIRUPATI**

Copy Submitted to the Executive Director/Construction/VS/Vijayawada  
Copy Submitted to the Chief Engineer/Kadapa Zone/Kadapa.  
Copy Submitted to the Superintending Engineer/OMC Circle/Tirupati

} (\*)

(\*) for favor of information please.

# ROUTING OF 220 KV DC RENIGUNTA - G.D.NELLORE LINE WITH UNDER GROUND CABLE



No. of Towers to be dismantled - 6 Nos.  
(from Loc. No. 6 to 11)  
Length of cable route - 2.0 KM

No. of Towers to be erected - 1 No.  
Type of Tower D+0 34.8 mt  
Existing 220KV DC G.D. Nellore line.  
proposed 220 KV UG cable route.

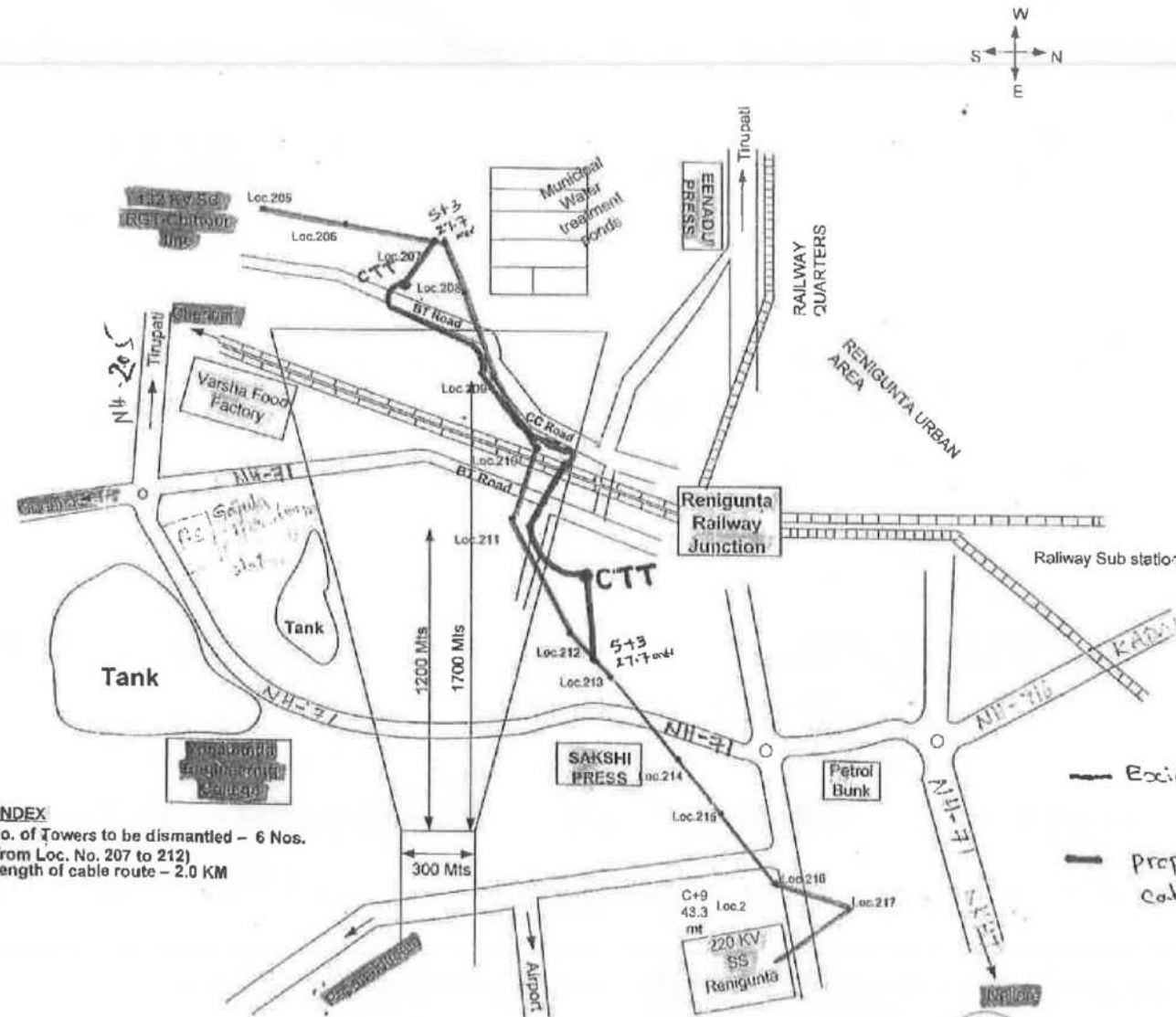
Deputy Executive Engineer  
(R&B) NH, Sub Division, Tirupati.

Y. S. Ramakrishna  
DEPUTY EXECUTIVE ENGINEER  
CONSTRUCTION SUB DIVISION-I  
AP TRANSCO, TIRUPATI

Executive Engineer (R&B)  
N.H. DIVISION, KADAPA.

ASST. EXECUTIVE ENGINEER  
CONSTRUCTION SUB DIVISION-I  
AP TRANSCO, TIRUPATI

# RE-ROUTING OF 132 KV SC RENIGUNTA - CHITTOOR LINE WITH UNDER GROUND CABLE



## INDEX

No. of Towers to be dismantled - 6 Nos.  
(from Loc. No. 207 to 212)  
Length of cable route - 2.0 KM

- No. of Towers to be erected - 2 Nos.  
Type of Towers - S+3 (27 m) between Loc. 207 and 212 & S+3 (27.7 m) very much in between Loc. 212 & 213

Existing 132 KV SC Chittoor Line.

Proposed 132 kv under ground cable route.

Executive Engineer (R&B)  
N.H. DIVISION, KADAPA.

Deputy Executive Engineer  
(R&B) NH, Sub Division, Tirupati.

Y. S. Damakurthi  
DEPUTY EXECUTIVE ENGINEER  
CONSTRUCTION SUB DIVISION-I  
AP TRANSCO, TIRUPATI

H. J. ...  
ASST. EXECUTIVE ENGINEER  
CONSTRUCTION SUB DIVISION-I  
AP TRANSCO, TIRUPATI



**Name of Work:** Towards License fee for laying of UG Cables (I) 220 KV Renigunta - G D Nellore DC Line (II) 132 KV Renigunta - Chittoor SC Line Crossing on NH - 71 at Km 122 B near Yellama Temple by Transmission Corporation Limited, Tirupall and these two cable lines is to be inserted in a single trench only.

Estimate - A  
LICENSE FEE CHARGES

[illegible]

( Rupees Twenty three thousand only )

Total license fees is calculated as Rupees Twenty three thousand only

Asst Executive Engineer  
(R&B) NH section, Tirupati

Dy Executive Engineer  
(R&B) NH Sub Division, Tirupat

Executive Engineer (R&B)  
N.H. DIVISION, KADAPA.

**Name of Work:** Towards Performance bank guarantee amount calculation for the work of Towards License fee for laying of UG Cables (i) 220 KV Renigunta - G D Nellore DC Line (ii) 132 KV Renigunta - Chittoor SC Line Crossing on NH - 71 at Km 122/8 near Yellama Temple by Transmission Corporation Limited, Tirupati and these two cable lines is to be inserted in a single trench only

Estimate - B						
Sl No	Description of Utility	Nos	Dia / Width in mts	Length in mts	Rate as per MoRTH Circular / RM	Amount
1	HDD Crossing at Km 122/8 of NH-71	1	3.10	20	500	10000
Total:						10000

Performance bank guarantee per/year for the above work vide MoRTH Circular memo No RW/NH/33044/29/2015/S&R<sup>®</sup>, dated: 22.11.2016 as per MoRTH guidelines

(Rupees Ten thousand only)

Asst. Executive Engineer  
(R&B) NH section, Tirupati

Dy. Executive Engineer  
(R&B) NH Sub Division, Tirupati

21/9/20  
Executive Engineer (R&B)  
N.H. DIVISION, KADAPA.



TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

OFFICE OF THE CHIEF ENGINEER,  
KADAPA ZONE : KADAPA.



Memo.No.CE/KDP Z/KDP/ EE-T/DEET1 /AEET2/F. /D.No. 1328 /20.dt. 30 -07-20

SUB : APTRANSCO – Kadapa Zone, Kadapa- Supply, Erection, Testing and Commissioning of (i) Diversion of 220 KV Renigunta – G.D.Nellore DC line by laying 2 KM of 220 KV UG Cable, dismantling of existing line from Loc.No.6 to 11 of 220 KV Renigunta – G.D.Nellore DC line and erection of D+0 tower between location No. 5 & 6. (ii) Diversion of 132 KV Renigunta – Chittoor SC line by laying of 2 KM of 132 KV SC underground cable, dismantling of existing line from Loc.No.207 to Loc.No.212 of 132 KV Renigunta – Chittoor SC line and erection of 2 Nos. S+3 towers.& (iii) Diversion of 132 KV Renigunta – Puttur DC line by laying of 2 KM of 132 KV DC underground cable, dismantling of existing line from Loc.No.4 to Loc.No.16 of 132 KV Renigunta – Puttur DC line and erection of 1 No. P type tower and 1 No. S+3 type towers in Chittoor District on turnkey basis – Civil Drawings – Approved Regarding

- REF: 1. T.O.O CE (Construction-II) MS.No.49, Dt: 05.03.2014.  
2.Contract award P.O.No.625/CPT110/CPT110/APT-e-03/19/F. Airport/ RC4478/ D.No.1360/19, Dated: 28.11.2019.  
3. Company Letter KEI/APTRANSCO/EHV-TPTY/19-20/15, Dt:17.01.2020.  
4. Memo.No.CE/KDPZ/KDP/DE-T/ADE(T1)/AET2/F.118/D.No.235/20, dt.28 -01-20  
5.Lr.No.SE/OMC/TPT/EE(Trans)/DEET/AEET/F.C-66/D.No.789/20; Dt:30-07-20.

\$\$\$

Vide reference 1<sup>st</sup> cited, APTRANSCO has accorded Administrative approval for shifting of 220 KV & 132 KV lines falling in Run – way extension area of Renigunta Airport vide and the work was awarded to M/s. KEI Industries Limited, Hyderabad vide reference 2<sup>nd</sup> cited above.

In this connection revised Civil drawings due to place constraint for laying of HDPE pipe in flat method as the residential area and railway boundary are coming in the proposed area for the subject work received from the Superintending Engineer/ OMC/ Tirupathi vide reference 5<sup>th</sup> are herewith Approved. The details are enclosed in the Annexure.

Further, the Superintending Engineer/OMC/ Tirupathi is requested to inspect the site before actual execution of work and verify Modifications/ deletions if any required depending upon the field condition may be intimated to this office.

CHIEF ENGINEER  
APTRANSCO: KADAPA ZONE

O/o. SE/OMC/TPT	
S.No. 34169	
Date: 28/8/20	
EE/T	DEET/EE/T
Copy communicated to the Executive Director /APTRANSCO/ VS/ Vijayawada.	

//F.B.O.//

EXECUTIVE ENGINEER/Techl.,



Endt No: SE/OMC/TPT/EE(T<sub>1</sub>)/DEECT/AEE(T<sub>2</sub>)/F.No /D.No 870 /20

Dt = 14-08-2020

EE/Const/Tirupate — for favour of taking further action

Edint to SD-II: for information & taking further necessary action.

SUPERINTENDING ENGINEER  
OMC, CIRCLE, A.P. TRANSCO  
TIRUPATI.

O/o. EE/Const/TPT

Endt. No. EE/Const/TPT/AEE(T)/F.No. /D.No. 624/20, Dt: 08/9/20

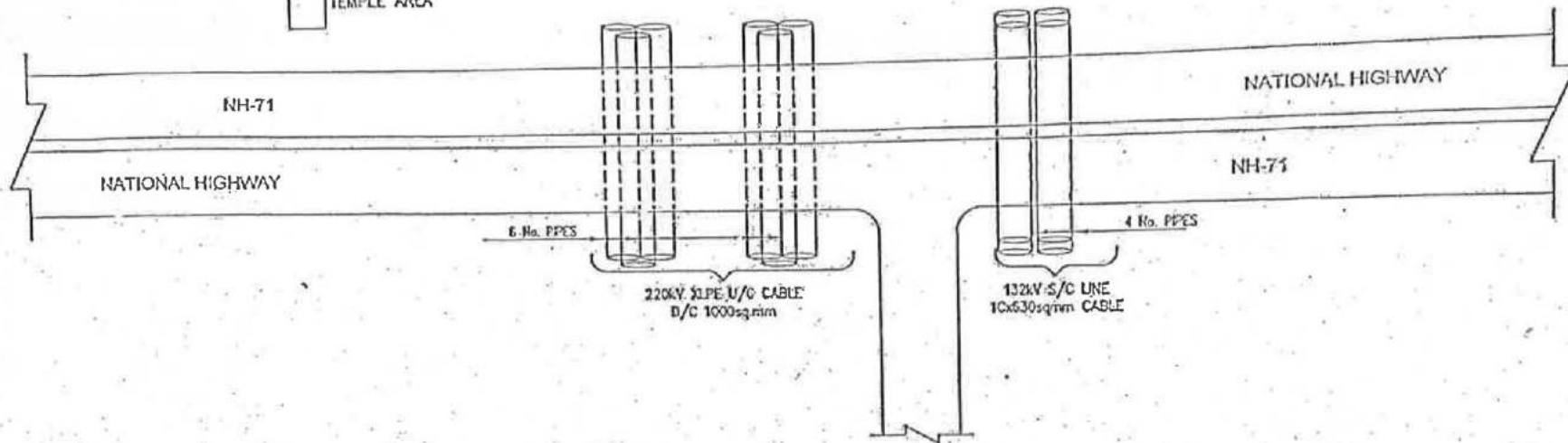
To DEE/Const/SD-II/TPT — For information and taking further necessary action.

K. M. R.  
AEE/T  
(P.O.)

EXECUTIVE ENGINEER  
CONSTRUCTION DIVISION, A.P. TRANSCO  
TIRUPATI.

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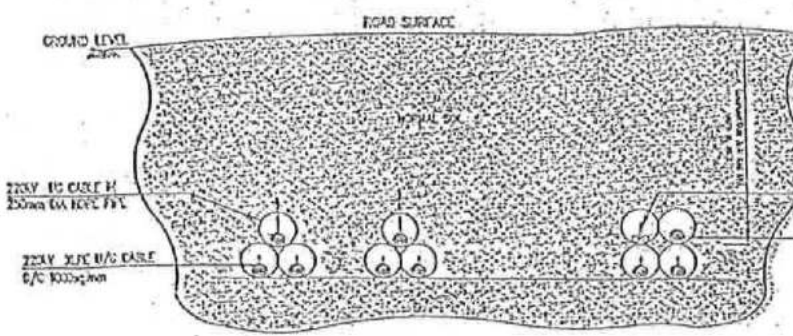
220 KV



Scanned with CamScanner

APPROVED

*Dure*  
CHIEF ENGINEER,  
KADAPA ZONE, APTRANSCO  
KADAPA



*Pi*  
EXECUTIVE ENGINEER  
CONSTRUCTION DIVISION, A.P. TRANSCO  
TIRUPATI.

*V-S. Ramakrishna*  
Deputy Executive Engineer  
Construction Sub Division-4  
AP TRANSCO, TIRUPATI.

*H.K. R.*  
Asst. Executive Engineer  
Sec-III, Construction Sub Division-II  
AP TRANSCO, TIRUPATI.

FOR 220KV D/C  
MAJOR AND IMPORTANT  
NH/C CROSSING CABLE LAY IN  
HOPE PIPES (TRENCHLESS METHOD)

FOR 132KV S/C  
MAJOR AND IMPORTANT  
NH/C CROSSING CABLE LAY IN  
HOPE PIPES (TRENCHLESS METHOD)

*[Signature]*  
SUPERINTENDING ENGINEER  
O&C, CIRCLE, A.P. TRANSCO  
TIRUPATI.

LETTER NO. OPT10/ED/Const./SE(P&T)/A/Port/A/C/D.No.1188/2019 Dt: 16.10.2019			
<b>KEI</b> INDUSTRIES LTD NEW DELHI 110020	FOR APPROVAL PURPOSE		
	DESIGNED	29.07.20	RJS
	DRAWN	29.07.20	RJS
	CHECKED	29.07.20	JR078
	APPD.	29.07.20	V.K.I
PROJECT : (i) DIVERSION OF 220KV REINGUNTA-G.O. NELLORE DC LINE BY LAYING 2 KM OF 220KV U/C CABLE DISMANTLING OF EXISTING LINE FROM LOCNO. 6 TO 11 OF 220KV REINGUNTA-G.O. NELLORE DC LINE AND ERECTION OF D+0 TOWER BETWEEN LOCATION No. 226, (ii) DIVERSION OF 132KV REINGUNTA-CHITTOOR SC LINE BY LAYING OF 204 OF 132KV SC U/C CABLE, DISMANTLING OF EXISTING LINE FROM LOCNO. 207 TO LOC NO. 212 OF 132KV REINGUNTA-CHITTOOR SC LINE AND ERECTION OF 2 Nos. S+3 TOWERS BETWEEN LOCATION 212 & 213 & NEAR LOCATION No. 207.			
TITLE : RAILWAY CROSSING DRAWING FOR 132KV & 220KV CABLE LAYING ARRANGEMENT BY HDD (TRENCHLESS METHOD)			
FOR APPROVAL PURPOSE			
KEI: APT.50610		6	



Revised drawings

KEI Industries Ltd



