



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

## National Highways Authority of India

(Ministry of Road Transport & Highways)

### क्षेत्रीय कार्यालय - हैदराबाद

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

### Regional Office - Hyderabad,

First Floor, New Building, Administrative Staff College of India (ASCI), College Park Campus, Road No. 3, Banjara Hills, Hyderabad - 500 034, Telangana.

टेली / Tele : 040 - 29562147 / 48

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



NHAI/RO-HYD/25011/1/16/2020/A-P/Utility/NH-765/1471

Dt.02.11.2020

**Notice Inviting Public Comments on erection of 33KV overhead line from Km.23+000 to Km.31+320 along the road, crossing at Km.23/000, Km.31/320 and Underground crossing at Km.28/440, Km.31.180 on NH-765**

**Sub:** NHAI - RO Hyderabad - PIU Hyderabad- Proposal for Permission for erection of 33KV overhead line over M+6 towers from IDA Mankhal to Kothur gate on srisailam NHAI for extending of 33 KV power supply to M/s Amazon Data Service center at Pharmacity (Meerkhanpet Village) - Km. 23+000 to Km.31+320 along the road and crossing at Km.23/000 and Km.31/320 on NH-765-Reg.

**Ref:** 1. PD, PIU Hyderabad letter no. NHAI/PIU-Hyd/NH-765/Hyd-Dindi/Electrical/2020/1202, Dated 29.10.2020

The Project Director, PIU, NHAI, Hyderabad vide letter cited under reference 1<sup>st</sup> has submitted a Proposal for erection of 33KV overhead line from Km.23+000 to Km.31+320 along the road, crossing at Km.23/000, Km.31/320 and Underground crossing at Km.28/440, Km.31.180 on NH-765 on in the State of Telangana

2. The proposal has been examined as per Ministry's Guidelines vide letter no.RW/NH-33044/29/2015/S&R(R) dated 22.11.2016.

3. In view of above, as per above Ministry's guidelines Para 4, public comments are hereby invited on the above proposal seeking claims and objections (on grounds of public inconvenience, safety and general public interest) within 30 days on public portal i.e. website of Ministry of Road Transport and Highways ([www.morth.nic.in](http://www.morth.nic.in)) in Form-A (copy enclosed) for "Accommodation of Public and Industrial Utility Services along and across National Highways".

### Comment Inviting Authority

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

Yours faithfully,



(P.Nageswara Rao)

General Manager (Tech.)

For Regional Officer-cum-  
Highway Administrator, Hyderabad

Encls: Above Proposal

To:

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

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

### FORM-A

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

**Sub:** NHAI - RO Hyderabad - PIU Hyderabad- Proposal for Permission for erection of 33KV overhead line over M+6 towers from IDA Mankhal to Kothur gate on srisailam NHAI for extending of 33 KV power supply to M/s Amazon Data Service center at Pharmacy (Meerkhanpet Village) - Km. 23+000 to Km.31+320 along the road and crossing at Km.23/000 and Km.31/320 on NH-765- Reg.

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

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





# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

## National Highways Authority of India

(Ministry of Road Transport & Highways)

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

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

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

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

Land Mark : Near TV9 Bus Stop

टेली / Tele : 040 - 29550558

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

NHAI/PIU-Hyd/NH-765/Hyd-Dindi/Electrical /2020/1202

Date: 29 .10.2020

To

**The Regional Officer**

National Highways Authority of India  
Regional Office, 1<sup>st</sup> Floor, New Building,  
ASCI, College park campus, Road No. 3,  
Banjara Hills, Hyderabad- 500 034

**Sub:** NHAI, PIU-Hyderabad – Electricity – TSSPDCL – RJNR – Kandukur – Erection of 33KV Over Head line over M+6 Towers from IDA Mankhal to Kothur Gate on Srisailem NHAI (6.5 KM distance) for extending of 33KV Power Supply to M/s Amazon Data Service Center at Pharmacity (Meerkhanpet Village) – **Approval Requested – Reg.**

**Ref:** 1.T/o Ir.no. NHAI/PIU-Hyd/Hyd-Dindi/NH-765/Electrical/2020/1052 dated 25.09.2020  
2.IE Ir.no.AA/TL/NH-765/NHAI/2283/20-21/232 dated 09.10.2020  
3.T/o Ir.no. NHAI/PIU-Hyd/Hyd-Dindi/NH-765/Electrical/2020/1132 dated 13.10.2020  
4.TSSPDCL Ir.no.DE/OP/Kandukuru/Amazon fabcity/NH(R&B)/2020-21,dated 'Nil' received this office on 15.10.2020 (copy enclosed)  
5.T/o Ir.no. NHAI/PIU-Hyd/Hyd-Dindi/NH-765/Electrical/2020 /1140 dated 16.10.2020  
6. IE Ir.no.AA/TL/NH-765/NHAI/2283/20-21/241 dated 21.10.2020

\*\*\*\*

Sir,

This has reference to the letters cited on subject matter. The applicant proposed to lay Electrical Poles along the Project Highway by means of Electrical over head lines and submitted the proposal along with following documents.

- (i) Agreement regarding granting of ROW Permission
- (ii), Undertaking for not to damage to other utility
- (iii) Undertaking for renewal of Bank Guarantee
- (iv) Undertaking for confirming all standard conditions of NHAI
- (v) Undertaking for prior approval of NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the utility located.
- (vi) Undertaking for relocating of Electrical Poles at their own cost for future 4/6-laning or any other developments.

Contd...(2)

- (vii) Undertaking for management of Traffic Movement during laying of utility line without hampering the traffic.
- (viii) Undertaking to pay any claims raised by Concessionaire/Contractor
- (ix) Undertaking for submission of Performance Bank guarantee
- (x) Indemnity Bond
- (xi) Undertaking for relocate electrical lines and also to rectify any damage caused to the road with their own cost.
- (xii) Undertaking to rectify any damage caused to the road
- (xiii) Undertaking to pay full compensation to the Aggrieved Authority
- (xiv) Undertaking to pay additional restoration charges
- (xv) Undertaking to carry out restoration/ maintenance work subsequent to laying of Electrical Poles
- (xvi) Undertaking not to interfere with Drainage of road and maintenance of NH.

2. Vide reference 2<sup>nd</sup> cited, Independent Engineer cited furnished a report along with observations. Accordingly, this office letter 3<sup>rd</sup> cited returned the proposal with a request to resubmit the proposal duly complying the IE's observations along with revised documents list and drawings.

3. Accordingly, applicant vide letter dated.15.10.2020 resubmitted the proposal and the same has been forwarded to IE for recommendation. Further, IE vide letter dated 21.10.2020 recommended to accord the permission for erection of 33 KV over head line. The proposal has been verified in light of MoRT&H guidelines No.RW/NH-33044/29/2015/S&R Dt: 22.11.2016 and the following is submitted:

**License fee calculations:**

- The circle rate of land abutting to NH land is Rs. 4,500/- per sq. yard. (Rs. 5,382.00/Sq-m) for Thummalore and Rs.1,650/- per sq. yard. (Rs. 1,973.00/Sq-m) for Kothur village.
- Pit size of Electrical Poles : M+9 (1.2 x 1.2 m)
- Length of Electrical Poles line proposed: 8,500m (Km. 23/000 to 31/320)
- Utilized NH land Area:
  - Along the Road : i) Thummalore -169.92 Sq.mtrs  
ii) Kothur - 31.68 Sq.mtrs
  - Across the Road : i) Thummalore - 2.88 Sq.mtrs  
ii) Kothur - 2.88 Sq.mtrs
  - Under Ground Laying: i) Thummalore - 45 Sq.mtrs  
ii) Kothur - 45 Sq.mtrs

**Contd...(3)**



3

- License fee (Rs/Sq-m/month): (Utilized NH land area x Prevailing Circle rate per unit area)/(10x12):
  - i) Thummalore – Total area = 217.8 Sq.mtrs  
License fee =  $(217.8 \times 5382) / (10 \times 12) = 9768.33/-$
  - ii) Kothur – Total area = 79.56 Sq.mtrs  
License fee =  $(79.56 \times 1973.4) / (10 \times 12) = 1308.36/-$
- Total License fee for a month = Rs. 11,076.69/-
- License fee for 5 years worked out to: Rs.6,64,601.65/-
- For public utility 33% of industrial utilities as per MoRTH Guidelines No.RW/NH-33044/29/2015/S&R Dt. 22.11.2016 = Rs.6,64,601.65/- x 0.33 = Rs.2,19,318.55/-

**Performance Bank Guarantee:**

As per Cl.No.6 of MoRT&H circular Dt. 22.11.2016, the amount towards bank guarantee worked out as below:

- Proposed Electrical Poles line proposed: 8500 m
- Performance security amount towards utility services such as towers etc is: Rs. 100/Rmt
- Performance security amount is =  $8500 \times 100 = \text{Rs. } 8,50,000/-$ .

4. It is to submit that Performance Bank guarantee shall be obtained from Applicant upon receipt of approval of Competent Authority. The Proposal is examined and found to be order. Therefore, the proposal is herewith recommended for approval.

Encl: As above

Yours faithfully

(V. Nagamani)  
Project Director

Handwritten signature

Copy to: Divisional Engineer, TSSPDCL, for information.



## भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

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

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

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Land Mark : Near TV9 Bus Stop

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

### Certificate

**Sub: NHAI-PIU-Hyderabad- Electricity – TSSPDCL – RJNR – Kadukur – Erection of 33 KV Over Head Line over M+6 Towers from IDA Mankhal to Kothur Gate on Srisailem NHAI (6.5 KM distance) for extending of 33KV Power Supply to M/s Amazon Data Service centre at Pharmacity (Meerkhanpet Village) – Approval Requested – Reg.**

\*\*\*\*\*

It is certified that any other location of the electrical poles would be extremely difficult and unreasonable costly and the installation of electrical poles 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 carriageway, easing of curve etc.

(V. Nagamani)

Project Director

NHAI-PIU-Hyderabad

DFB

### Certificate

**Sub: NHAI-PIU-Hyderabad- Electricity – TSSPDCL – RJNR – Kadukur – Erection of 33 KV Over Head Line over M+6 Towers from IDA Mankhal to Kothur Gate on Srisailam NHAI (6.5 KM distance) for extending of 33KV Power Supply to M/s Amazon Data Service centre at Pharmacity (Meerkhanpet Village) – Approval Requested – Reg.**

\*\*\*\*\*

It is certified that any other location of the electrical poles would be extremely difficult and unreasonable costly and the installation of electrical poles 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 carriageway, easing of curve etc.

*Hanish*  
(SE)

*M*  
Mgs(T)

*V. Nagamani*  
(V. Nagamani)  
Project Director  
NHAI-PIU-Hyderabad



**SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED**

(A Government of Telangana Undertaking)

Website: www.tssouthernpower.com (CIN: U40109TG20005GC034116)

From  
Divisional Engineer,  
Operation, TSSPDCL,  
Kandukuru,  
Ranga Reddy District

To  
The Project Director, PIU  
NHAI,  
Banjarahills,  
Hyderabad.

Lr No.DE/OP/Kandukuru/Amazonfabcity/NH(R&B)/D.No. /2020-21, Dated: /10/2020

Sir,

**Sub:** Electricity – TSSPDCL - Grant of No Objection Certificate for erecting of 33 KV Electrical Poles from Km. 23/000 to Km. 31/320 (RHS) and two crossings at Km.23/000 & Km. 31/320 on NH-765 of Hyderabad to Srisailam Section.

**Ref:** 1 ) OurLr.No.DE/OP/Kandukuru/Amazonfabcity/NH(R&B)/D.No.1415/2020-21 Dated: 07.09.2020  
2) AA/TL/NH-765/NHAI/2283/20-21/232 Dated 09-10-2020.

We are here with enclosing revised drawings & documents with MORTH guidelines

1. There is Existing 11KV poles will replaced by 33KV poles.
2. The HT Electrical Crossings are indicated in the drawing and crossing methodology attached, we will take safety precaution during execution of works.
3. As per joint field survey, we had updated in drawing and document
4. Methodology for erecting of the utility electrical poles are Enclosed.

We request you to kindly grant “No Objection Certificate” for erecting of Electrical Poles within ROW area of NH and return us one copy duly sealed and signed as a token of your permission.

Thanking you,

Yours faithfully,



**DIVISIONAL ENGINEER**  
Operation, Kandukur Division  
Ranga Reddy District  
Pajendra Nagar Circle, KK Zone  
TSSPDCL, TS-501359

**Joint site inspection report along with Divisional Engineer, TSSPDCL**

19/09/2020

We have visited site jointly with Divisional Engineer TSSPDCL from Km.23.000 to Km. 31.200 and observations are given below.

1. The proposed 33 KV Electrical line is passing along the carriage way on RHS from Km.23.000 to Km.31.320 on edge of RoW.
2. There is 1 no of 11 KV Electrical line passing in the stretch from Km.23.000 to Km. 31.300 (RHS) which will replaced by 33KV poles as per the check list submitted by applicant.
3. Under Ground cable proposed where HT line crossing in the Project Highway (2 HT line crossings at Km.28.450 and 31.200).
4. Horizontal and Vertical Clearances are as per IRC: 32-1969 i.e (standards for vertical and horizontal clearances of overhead electric power and telecommunication lines as related to roads).
5. All safety precaution shall be taken by executing agency during execution.
6. All the restoration works shall be done as per the MoRTH norms.

*[Signature]*  
**TEAM LEADER**  
 Hyderabad Dindi (O&M), NH-765  
 Aarvee Associates Architects  
 Engineers & Consultants Pvt. Ltd.

*[Signature]*  
 Divisional Engineer  
 Operation, Kandukur Division  
 Rajendra Nagar Circle, RR Zone  
 TSSPDCL, TS-501359

*[Signature]*  
 Harshu  
 (Site Engineer)

Attested

*[Signature]*  
 M (A)

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



## CHECK - LIST

Accommodation of Public and Industrial Utility Services along and across National Highways by Private Parties under Industrial Utility.

## Relevant Circulars

- Ministry Circular No. RW/NH-33044/29/2015/S&R(R), Dated: 22.11.2016

## Check list for getting approval for Erecting of Electrical Poles on NH land

Sl. No.	Item	Information/ Status	Remarks
1	General Information	Permission for erecting of 33 KV Electrical Poles Km. 23/000 to Km. 31/320 on NH-765 of Hyderabad to Srisailem Section.	
1.1	Name and Address of the Applicant / Agency	TSSPDCL, Operation, Kandukur, Ranga Reddy District, Telangana state	
1.2	National Highway Number	NH-765	
1.3	State	Telangana	
1.4	Location	Tummalore, Kothur, Ranga Reddy District.	
1.5	(Chainage in Km)	from Km. 23/000 to Km. 31/320	
1.6	Length in Meters	8,320 m	
1.7	Width of available ROW	30.0 m	attached
	(a) Left side from center line towards increasing chainage (km) direction	As per attached Drawing	
	(b) Right side from center line towards increasing chainage (km) direction	As per attached Drawing	
1.8	Proposal to lay the Utility the electrical poles	Over head lines	
	(a) Left side from center line towards increasing chainage (km) direction	----	
	(b) Right side from center line towards increasing chainage (Km) direction	Yes, As per attached Drawing	
1.9	Proposal to acquire land	Right to use of NH ROW act is required for erecting of electrical poles across the NH ROW as per circular	
	(a) Left side from center line	No	
	(b) Right side from center line	No	
1.10	Whether proposal is in the same side where land is not to be acquired	YES	
	If not then where to erect the electrical poles	NA	
1.11	Details of already laid services, if any, along the proposed route	-	Details available with Authority
1.12	Number of existing lanes (2/4 / 6/8 lanes).	2/4 Lanes	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4 / 6/8 lanes).	No	
1.14	Service road existing or not	No	
	If yes then which side		
	(a) Left side from center line	No	
	(b) Right side from center line	No	
1.15	Proposed Service road	No	
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.16	Whether proposal to lay Utility is after the service road or between the service road and main carriageway	Edge of Row As per drawing	
1.17	Whether carrying of Electrical poles have been proposed on highway Bridges. If Yes, then mention the methodology proposed for the same	No	

**TEAM LEADER**  
Hyderabad Dindi (Q&M), NH-765  
Aanyee Associates Architects  
Engineers & Consultants Pvt. Ltd.

Hanish  
(CSE)

**DIVISIONAL ENGINEER**  
Operation, Kandukur Division  
Rajendra Nagar Circle, RR Zone  
TSSPDCL, TS-501350

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



1.18	Whether carrying of poles 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 crossings of the road involved If Yes, it shall be either encased in pipes or through structure or conduits built for that purpose at the expenses of the agency owning the line	YES	
	(a) Whether existing drainage structures are allowed to carry utility Poles	No	
	(b) Is it on a line normal to NH	Yes	
	(c) What are the distances 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.	No Structures available	
	(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 / conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	NA	
	(f) The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope in the fills.	NA	
	(g) The top of the casing/conduit pipe should be at least 1.2 meter below the surface of the road subject to being at least 0.3 m below the drain inverts. Mention the proposed details.	NA	
	(h) Mention the methodology proposed for crossing of road for proposed electrical poles. Crossing shall be by boring method (HDD) (Trench-less Technology), specially. Where the existing road pavement is of cement concrete or dense bituminous concrete type.	NA Over head lines	
	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 waterway along it.	NA	
2	Document/ Drawing to be enclosed with the proposal	YES Enclosed	
2.1	Cross section showing the size of trench for open trenching method. (Is normal size of 1.2m deep x 0.3m wide)		
	(i) Should not be greater than 60 Cm wider than the outer diameter of the outer pipe	NA	
	(ii) Located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the center – lines 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 0.6 meter below the ground level so as not to obstruct drainage of the road land.	NA	

*Opay*  
**TEAM LEADER**  
 Hyderabad Dindi (O&M), NH-765  
 Aarvee Associates Architects  
 Engineers & Consultants Pvt. Ltd.

*Handwritten*  
 (SE)

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

*Handwritten*  
**Divisional Engineer**  
 Operation, Kandukur Division  
 TSSPDCL, TS-501359

2.2	Cross section showing the size of pit and location of cable for HDD method	Enclosed	
2.3	Strip plan/route Plan showing the utility /Electrical pole. Chainage. Width of ROW. Distance of proposed pipe line from the edge of ROW. Important mile stone. Intersections. Cross drainage works etc.	Enclosed	
2.4	Methodology for erecting of the utility electrical poles		
	(a) The trench width should be at least 30 cm. but not more than 60 cm wider than the outer diameter of the pipe.	NA	
	(b) For filling of the trench. Bedding shall be to a depth of 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 edged should be excavated and replaced by selected material.	NA	
	(c) The back fill shall be completed in two stage (I) side fill to the level of the top of the pipe and (II) overfill to the bottom of the road crust.	NA	
	(d) The side-fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical 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.	Enclosed As per norms	
	(e) The road crust shall be built to the same strength as the exiting crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench.	Yes (will be maintained)	
	(f) The excavation shall be protected by flagman, signs and barricades, to avoid the formation of a dip at the trench.	Enclosed	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line	Will borne by us	
2.4.2	Horizontal Directional Drilling method	Yes	
2.4.3	Methodology for erecting of pipe Line through CD works and method of erecting. In cases where the carrying of electrical poles on the bridge becomes inescapable.	Enclosed	
3	Draft License Agreement is signed by two witnesses?	Yes Enclosed	
3.1	The license fee estimated as per Ministry's circular No. RW/NH-33044/29/2015&R(R), dated 22.11.2016	Yes Undertaking enclosed	
4	Whether performance Bank Guarantee as per ministry's Circular no. RW/NH-33044/29/2015&R(R) dated 22.11.2016 is obtained.	Yes Undertaking enclosed	
4.1	Confirmation of BG has been obtained or not as per MoRTH/NHAI guidelines	Yes	
5.	Affidavit / Undertaking from the Applicant for the following is to be furnished		
5.1	Undertaking for Not to Damage any other utility, if damaged then to pay the losses either to NHAI or to the concerned agency	YES Enclosed	
5.2	Undertaking for Renewal of Bank Guarantee as and when asked by MoRTH/NHAI.	YES Undertaking Enclosed	

**Team LEADER**  
Hyderabad Dindi (O&M), NH-765

Aarvee Associates Architects  
Engineers & Consultants Pvt. Ltd.

**DIVISIONAL ENGINEER**  
Operation, Kandukur Division  
Rajendra Nagar Circle, RR Zone  
TSSPDCL, TS-501359

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(SE)

**REGIONAL DIRECTOR**  
NATIONAL HIGHWAYS AUTHORITY OF  
PROJECT IMPLEMENTATION



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 Traffic movement during erecting of Electrical poles 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 that prior approval of the NHAI 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 Enclosed	
5.8	Undertaking that expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by the erecting, 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 no. RW/NH-33044/29/2015/S&(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 clearance s applicable. Before applying to Highway administration	YES Enclosed	
5.11	If the MoRTH/NHAI considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the MoRTH/NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	YES Enclosed	
5.12	Certificate from the applicant in the following in format (i) Erecting of electric poles will not have any deleterious effects on any of the bridge on any of the bridge components and roadway safety for traffic. (ii) "We do undertake that we will relocate service road/approach road/utilities at my/our own cost notwithstanding the permission granted within such time as will be stipulated by NHAI/MoRTH" for future six-laning or any other development."	Yes  YES Undertaking Enclosed	
6	Who will sign the agreement on behalf of electrical poles agency?	Divisional Engineer Operations, M/s. TSSPDCL	
	Power of Attorney to sign the agreement is Available or not		
7	The EE/PD, will submit the following Certificated		
7.1	Certificate for confirming of all standard condition issued vide Ministry Circular No. RW/NH-33044/29/2015/S&R(R), Dated: 22.11.2016		

**TEAM LEADER**  
Hyderabad Dindi (O&M), NH-765  
Aarvee Associates Architects  
Engineers & Consultants Pvt. Ltd.

Hitesh  
(CSE)

Divisional Engineer  
Operation, Kandukur Division  
Rajendra Nagar Circle, RR Zone  
TSSPDCL, TS-501559

PROJECT DIRECTOR  
NATIONAL HIGHWAYS AUTHORITY OF INDIA



7.2	<p>Certificate from EE/PD in the following format</p> <p>(i) It is certified that any other location of the electrical poles would be extremely difficult and unreasonable costly and the installation of electrical poles with Row will not adversely affect the design, stability &amp; traffic safety of the highway nor the likely future improvement such as widening of the carriageway, easing of curve etc."</p> <p>(ii) For 6-lanning</p> <p>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".</p> <p>b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-laning.</p>	<p>Enclosed</p> <p>NA</p> <p>NA</p>	<p>2LPS ROW 30m</p>
8	<p>If NH Section proposed to be taken up by NHAI on BOT basis a clause is to be inserted in the agreement. "The permitted Highway on which licensee has been granted the right to lay cable/ducts has also been granted as a right of way to the concessionaire under the concession agreement for up gradation of (_____ section from Km _____ to Km _____, of NH No. _____ on build, Operate and transfer basis) and therefore the licensee shall honor the same.</p>	<p>Standard license deed as per Ministry guidelines of issued vide Letter No. RW/NH-33044/29/2015/S&amp;R(R), Dt. 22.11.2016</p>	
9	<p>Who will supervise the Work of erecting of Electrical poles</p> <p>(a) On behalf of the Applicant</p> <p>(b) On behalf of MoRTH/NHAI</p>	<p>a) TSSPDCL Engineer</p> <p>b) Supervision consultant</p>	
10	<p>Who will ensure that the defects in road portion after of erecting of Electrical poles are corrected and if not corrected then what action will be taken</p> <p>(a) On behalf of the Applicant</p> <p>(b) On behalf of NHAI / MORTH</p>	<p>a) TSSPDCL Engineer</p> <p>b) Supervision consultant</p>	
11	<p>Who will pay the claims for damages done/ disruption in working of Concessionaire if asked by the Concessionaire</p> <p>On behalf of the Applicant</p>	<p>Divisional Engineer Operations, M/s. TSSPDCL</p>	
12	<p>A certificate from EE/PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed)</p>	<p>Enclosed</p>	
13	<p>If any previous approval is accorded for erecting of Electrical poles then Photocopy of register of records of permissions accorded (as maintained by EE/PD) be enclosed</p>	<p>No</p>	

Name Designation and signature of the authorized representation of applicant  
**DIVISIONAL ENGINEER R**  
 Operation, Kandukur Division  
 Rajendra Nagar Circle, RR Zone  
 TSSPDCL, TS-501359

Name Designation and signature of the concerned field authority of NHAI  
**PROJECT DIRECTOR**  
**NATIONAL HIGHWAYS AUTHORITY OF INDIA**  
**PROJECT IMPLEMENTATION UNIT**  
 HYDERABAD - 500 034.

**TEAM LEADER**  
 Hyderabad Dindi (O&M), NH-765  
 Aarvee Associates Architects  
 Engineers & Consultants Pvt. Ltd.

Hanish (SE) MCH

ANURAG KUMAR  
S V L NO 25/99 RLNO, ....  
3-6-12A, E.S TOWER  
HIMAYAT NAGAR  
HYDERABAD - 29  
AP-23/GSO/KL(PB)/16/2005



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TELANGANA

Name of the work: Erecting of 33 KV Electrical Poles from Km. 23/000 to Km. 31/320 (RHS) and two crossings at Km.23/000 & Km. 31/320 on NH-765 of Hyderabad to Srisaillam Section.

Indemnity against all damages and claims as per Sl. No. 5.4 of Check list.

We TSSPDCL, Operational Division, Kandukur, Ranga Reddy District, Telangana state here by indemnity to The Project Director, NHAI, PIU, Hyderabad, Telangana state binding ourselves to pay all the losses and claims in report of Erecting of 33 KV Electrical Poles from Km. 23/000 to Km. 31/320 (RHS) and two crossings at Km.23/000 & Km. 31/320 on NH-765 of Hyderabad to Srisaillam Section.

On maintenance here of and against claims, Proceeding, damages cost, charges and expenses, what so ever in respect thereof in relation there to. Failing such payments to claim in the above work we abide in accepting to recovery of such claims affected from any our assets.

  
Divisional Engineer,  
Operational Division,  
Ranga Reddy District,  
Kandukur Division  
Rajendra Nagar Circle, RR Zone  
TSSPDCL, TS-501359



ANURAG KUMAR  
S V L NO 25/99 RL NO. ....  
3-6-151, G S TOWER  
HIMAYAT NAGAR  
HYDERABAD - 29  
AP-23/GSO/KL(PB)/16/2005  
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TELANGANA

### UNDERTAKING

We TSSPDCL, Operation, Kandukur, Ranga Reddy District, Telangana State here by giving undertaking that for Erecting of 33 KV Electrical Poles from Km. 23/000 to Km. 31/320 (RHS) and two crossings at Km.23/000 & Km. 31/320 on NH-765 of Hyderabad to Srisailam Section.

1. We hereby are undertaking that for not to Damage any other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.
2. We hereby undertaking that for Renewal of Bank Guarantee as and when asked by MoRTH/NHAI.
3. We hereby undertaking that for Confirming all standard condition of Ministry Circulars and NHAI's guidelines.
4. We hereby are undertaking that for Indemnity against all damages and claims.
5. We hereby are undertaking that for management Traffic movement during laying of Utility Line Without hampering the traffic.
6. We hereby are undertaking that if any claim is raised by the Concessionaire/contractor then the same has to be paid by the applicant.
7. We hereby undertaking that prior approval of the NHAI 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.
8. We hereby undertaking that expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the utility line will be borne by the applicant agency owning the line.
9. We hereby undertaking that we will relocate the electric lines and also rectify any damage caused to the road with our own cost, we will also pay for additional restoration charges and will pay full compensation to Aggrieved Authority.
10. We hereby undertaking that text of the license deed is as per verbatim of MoRTH format (issued vide Ministry's Circular no. RW/NH-33044/29/2015/S&(R) dated 22.11.2016)
11. We hereby undertaking that If the MoRTH/NHAI considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the MoRTH/NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 90 days) of the intimation given.
12. "We do undertake that we will relocate service road/approach road/utilities at my/our own cost notwithstanding the permission granted within such time as will be stipulated by NHAI" for future four or six-laning or any other development.

  
Divisional Engineer  
Operation, Kandukur Division  
Rajendra Nagar Circle, RR Zone  
TSSPDCL, TS-501359



ANURAG KUMAR  
S V L NO 25/99 RL.NO. ....  
3-6-151, 6'S TOWER  
HIMAYAT NAGAR  
HYDERABAD - 29  
AP-23/GSO/KL(PB)/16/2005



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TELANGANA

109

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

Agreement for erecting of 33 KV Electrical Poles from Km. 23/000 to Km. 31/320 (RHS) and two crossings at Km.23/000 & Km. 31/320 on NH-765 of Hyderabad to Srisailem Section.

This Agreement made this \_\_\_\_ day of \_\_\_\_ month of \_\_\_\_ year between MoRTH acting in his executive capacity through \_\_\_\_\_. (Hereinafter referred to as the "Authority" which expression shall, unless excluded by or repugnant to the context, include his successors in office and assigns) of the one part

And

We TSSPDCL, Operation, Kandukur, Ranga Reddy District, Telangana State. (Hereinafter called the 'Licensee') which expression shall, unless excluded by or repugnant to the context, include his successors/ administrate assignee on the second Part.

Whereas, the Authority is responsible, inter alia for development and maintenance of land in from Km. 23/000 to 108/000 on NH-765 road of Hyderabad Srisailem Section RoW.

Whereas the Licensee proposes to lay ~~Telecom cable / OFC cable~~ / electrical poles / ~~pipe line / ducts~~ etc., referred to as utility services in subsequent paras.

Whereas, the licensee has applied to the Authority for permission for erecting of 33 KV Electrical Poles from Km. 23/000 to Km. 31/320 (RHS) and two crossings at Km.23/000 & Km. 31/320 on NH-765 of Hyderabad to Srisailem Section.


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

Now this Agreement witnesses that, in consideration of the conditions hereinafter contained and on the part of the Licensee to be observed and performed, the Authority hereby grants to the licensee permission to lay Utility services as per the approved drawing attached hereto subject to the following condition, namely

1. RoW permissions are only enabling in nature. The purpose of extending the way leave facility on the National Highway Row is not for enhancing the scope of activity of a utility service provider, either by content or by intent. Further, enforceability of the permission so granted shall be restricted only to the extent of provisions/scope of activities defined in the license agreement & for the purpose for which it is granted.

  
DIVISIONAL ENGINEER  
Operation, Kandukur Division  
Rajendra Nagar Circle, RR Zone  
TSSPDCL, TS 501350

- 4
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.
  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.
  13. The top of the casing/conduit pipe containing the utility services to cross the road shall be at least 1.2m below the top of the sub grade or the existing ground level whichever is lower, subject to being at least 0.3m below the drain inverts. A typical sketch showing the clearances is given in Attachment-I.
  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.

  
**DIVISIONAL ENGINEER**  
Operation, Kandukur Division  
Rajendra Nagar Circle, RR Zone



16. In case of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30 cm. but not more than 60 cms wider than the outer diameter of the pipe. Filling of the trench shall conform to the specifications contained here-in-below or as supplied by the Highway Authority.
- 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.
  - 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.
  - 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.
  - 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 50 m away from the edge of the right of way;
18. All required restoration work subsequent to laying of the cable shall be required to be undertaken by the Licensee at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards.
19. Prior to commencement of any work on the ground, a performance Bank Guarantee @ Rs. ....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 improvement/widening of the road/route/highway or construction of flyover/bridge and restore the road/land to its original condition at his own cost and risk.
22. The Licensee shall be responsible to ascertain from the respective agency in coordination with Authority, regarding the location of other utilities /underground installations/ facilities etc. The Licensee shall ensure the safety and security of already existing underground installations/utilities/facilities etc. Before commencement of the excavation/using the existing cable ducts. The Licensee shall procure insurance from a reputed insurance company against damages to already existing underground installations/utilities/facilities etc.
23. The Licensee shall be solely responsible/ liable for full compensation/indemnification of concerned agency / aggrieved Authority for any direct, indirect or consequential damage caused to them/claims or replacements sought for, at the cost and risk of the Licensee. The concerned agency in coordination with Authority shall also have a right make good such damages/ recover the claims by forfeiture of Bank Guarantee.
24. If the Licensee fails to comply with any condition to the satisfaction of the Authority, the same shall be executed by the Authority at the cost and risk of the Licensee.

  
**DIVISIONAL ENGINEER**  
Operation, Kandukur Division  
Rajendra Nagar Circle, RR Zone



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 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 day in advance with route details prior to digging trenches, for fresh or maintenance/repair works. A separate performance Bank Guarantee for maintenance/repair works shall have to be furnished by the Licensee.
27. Each day, the extent of digging the trenches should be strictly regulated so that utility services 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 consent and permission of the Authority so that the right of the Licensee to the use thereof shall not become absolute and indefeasible by lapse of time.
34. The Licensee shall bear the Stamp Duty charged on this Agreement.
35. Three copies of 'as laid drawings' of utilities (hard and soft copies) with geo-tagged photographs and geo-tagged video recordings of laying of cables in the trench (with respect to the NH) and after complete restoration shall be submitted to the Authority for verification and record within a month of completion of works.
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,
  - 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 50 m 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 agreement with the respective project concessionaires. MoRT&H/NHA/Implementing authorities for the project shall not be liable to the concessionaire in any way in this regard.

This agreement has been made in duplicate, each on a Stamp Paper; each party to be agreement has retained one stamped copy each.

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.

BY SHRI \_\_\_\_\_

(Signature, name & address with stamp)

SIGNED ON BEHALF OF M/s. TSSPDCL, Divisional Engineer

BY SHRI

**DIVISIONAL ENGINEER**  
Operation, Kandukur Division  
(Signature, name & address with stamp)

HOLDER OF GENERAL POWER OF ATTORNEY DATED \_\_\_\_\_ EXECUTED IN ACCORDANCE WITH  
THE RESOLUTION NO. \_\_\_\_\_ DATED \_\_\_\_\_ PASSED BY HTE BOARD OF DIRECTORS IN THE  
MEETING HELD ON \_\_\_\_\_ IN THE PRESENCE OF (WITNESSES):

1. Y. Bulli Babu



2. KARTHIK KRISHNAN





**National Highway Authority of India**  
**Electrical Poles**

Name of the State : Telangana  
Name of the Agency : PIU, NHAI  
Name of the NHAI : PD, Hyderabad  
National Highway No : NH-765

Sl. No	Details of Utility						Date of Last Inspection	Any Deviation from MoRTH standard norms	Remarks if any
	Location (Chainage)	Side (L.H.S/ R.H.S)	Section and react	Kind of Service	Name of the Licensee with contact address	Date of Signing of Agreement	Date of Validity of Agreement		
1	2	3	4	5	6	7	8	9	10
1)	Km. 23/000 to Km. 31/320	RHS	Hyderabad to Srisailem section on NH-765	Electrical Poles	Divisional Engineer, Operation, TSSPDCL, Kandukur, Ranga Reddy District				Nil
2)	Km. 23/000	Road Crossing							
3)	Km. 31/320	Road Crossing							
4)	Km.	Underground crossing							
5)	Km.	Underground crossing							

*[Signature]*  
**TEAM LEADER**  
Hyderabad Dindi (O&M), NH-765

**Aarvee Associates Architects**  
**Engineers & Consultants Pvt. Ltd.**

*[Signature]*  
CS E

*[Signature]*

**Divisional Engineer**  
Operation, Kandukur Division  
Rajendra Nagar Circle, RR Zone  
TSSPDCL, TS-501359

*[Signature]*

**PROJECT DIRECTOR**  
NATIONAL HIGHWAYS AUTHORITY OF INDIA  
PROJECT IMPLEMENTATION UNIT

Proposal for erecting of 33 KV Electrical Poles from Km. 23/000 to 31/320 and two crossings at Km.23/000 & Km.31/320 on NH-765 of Hyderabad to Srisaillam Section.

Sl.no	Location	Chainage (in Km)		Length (in Mts)	No. Of poles /Width	Area (in Mts)	Guidelines Value per Sq. Yard	Guidance Value in (Rs)/Sq.m	Amount
		From	To						
Along the Road									
1	tummalore	23.000	30.000	7000.00	118	169.92	4500	5382.00	914509.44
2	kothur	30.000	31.320	1320.00	22	31.68	1650	1973.40	62517.31
Across the Road									
1	tummalore	23.000	23.000	30.00	2	2.88	4500	5382.00	15500.16
2	kothur	31.320	31.320	30.00	2	2.88	1650	1973.40	5683.39
Under Ground Laying									
1	tummalore	28.440	28.500	60.000	0.75	45.00	4500	5382.00	242190.00
2	kothur	31.180	31.240	60.000	0.75	45.00	1650	1973.40	88803.00
				8500.000					
				License Fee (Rs. /Month) = 1329203 /(10x12)					
				License Fee for 5 years = 11077 x12x5					
				For Public Utility 33% of Industrial Utilities as per MoRT&H no. RW/NH-33044/29/2015/S&R( R ) Dated 22.11.2016					
				Total License Fee for five years for the above work					
Bank Guarantee									
S.No	Road	Chainage		Length in meters	Rate per RM		Amount	Remarks	
1	on NH-765	Km.23/000 to 31/320 Crossing @ Km. 23/000 Crossing @ Km.31/320		8500	100		850000		

**TEAM LEADER**  
Hyderabad (District Engineer), NH-765  
Aarvee Associates Architects  
Engineers & Consultants Pvt. Ltd.

**DIVISIONAL ENGINEER**  
Operation, Kandukur Division  
Rajendra Nagar Circle, RR Zone  
TSSPDCL, TS-501359

**PROJECT DIRECTOR**  
NATIONAL HIGHWAYS AUTHORITY OF INDIA





# Registration & Stamps Department (/index.html)

Government of Telangana

## Unit Rates - Locality Wise

District Name

RANGAREDDY

Mandal Name

MAHESHWARAM

City/Town/Village

THUMMALOOR

S.No.	Ward-Block	Locality	Land Rate Rs. per Sq.Yard	Composite Rate (Rs. per Sq.Ft)			Classification	Effective Date (dd/mm/yyyy)	Door No. Wise Details - Rates
				Ground Floor	First Floor	Other Floors			
1.	0-0	HYD TO SRISAILAM ROAD	4,500	1,200	1,100	1,000	02(Commercial)	01/04/2013	Get
2.	0-0	THUMMALOOR	1,500	1,000	1,000	1,000	01(Residential)	01/04/2013	Get

Back

### Note :

1. This is provisional information as per records maintained by registration department for the purpose of helping the registering public to estimate the stamp duty only, subject to change due to revision of market value once in a year OR adhocly due to anomalies.

2. For further details contact Sub Registrar office

MAHESHWARAM,

Aug-72,

MAHESHWARAM, Maheswaram

Maheswaram

Phone: 232558

DIVISIONAL ENGINEER

Operation, Kandukur Division

Rajendra Nagar Circle, RR Zone

TSSPDCL, TS-501359

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(<http://www.ts.nic.in/>)





# Registration & Stamps Department (/index.html)

## Government of Telangana

### Unit Rates - Locality Wise

District Name

RANGAREDDY

Mandal Name

KANDUKUR

City/Town/Village

KOTHUR

S. No.	Ward-Block	Locality	Land Rate Rs. per Sq.Yard	Composite Rate (Rs. per Sq.Ft)			Classification	Effective Date (dd/mm/yyyy)	Door No. Wise Details - Rates
				Ground Floor	First Floor	Other Floors			
1.	0 - 0	HYD TO SRISAILAM ROAD	1,650	1,200	1,100	1,000	02(Commercial)	01/04/2013	Get
2.	1 - 0	KOTHUR	600	1,000	1,000	1,000	01(Residential)	01/04/2013	Get
3.	2 - 0	KOTHUR	600	1,000	1,000	1,000	01(Residential)	01/04/2013	Get
4.	3 - 0	KOTHUR	600	1,000	1,000	1,000	01(Residential)	01/04/2013	Get
5.	4 - 0	KOTHUR	600	1,000	1,000	1,000	01(Residential)	01/04/2013	Get
6.	5 - 0	KOTHUR	600	1,000	1,000	1,000	01(Residential)	01/04/2013	Get
7.	6 - 0	KOTHUR	600	1,000	1,000	1,000	01(Residential)	01/04/2013	Get
8.	7 - 0	KOTHUR	600	1,000	1,000	1,000	01(Residential)	01/04/2013	Get
9.	8 - 0	KOTHUR	600	1,000	1,000	1,000	01(Residential)	01/04/2013	Get

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#### Note :

- This is provisional information as per records maintained by registration department for the purpose of helping the registered & developed by National Information Center only, subject to change due to revision of market value once in a year (Rate may vary due to anomalies).

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Registration, Kandukur Division  
Kandukur Nagar Circle, RR Zone  
TSSPDCL, TS-501359



# DOCUMENTS

200

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To,  
The Project Director,  
National Highway Authority  
NHAI Hyderabad

1999

2) M/s Amazon Data Services letter dated 21.08.2020 addressed to CMD/TSSPOC

This is for your kind information and requested to accord permission to carry out the work and intimate the demand charges please.

Kandukur.

The Superintending Engineer/Operation/TSSPDCL/Rajendra Nagar Circle for information.



# DRAWINGS

## HDD:

HDD or Horizontal Directional Drilling is a trenchless boring method for installing underground cables, pipes and conduits in a shallow curve along a prescribed bore path with the use of a surface-launched rig / machine, which minimises the disruption of the surrounding area, for example, roads and driveways.

With HDD safety risks are also minimised as compared to open trenches and are perfectly suited to high volume traffic situations.

Trenching and excavation work is often far more costly and not practical and this is where HDD comes in, reducing the re-instatement costs of roads, verges and driveways and therefore satisfying the demands of local Municipalities and residential, commercial and industrial estate managers.

## HDD process:

### Pilot Drilling:

Installing a pilot hole drilled from the surface at a pre-determined angle and along a prescribed path. During the pilot bore, a sonde (transmitter) and a tracking (receiver) device are utilized to be able to precisely locate and steer the drill string underneath the surface.

### Reaming:

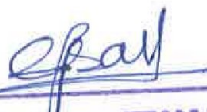
Enlarges the pilot hole to achieve the required size. Reaming is usually performed in stages until the final desired diameter of hole is reached.

### Pipe pullback:

The pipe is connected to the drill string and then pulled from the exit pit side towards the entry pit side on the same pre-reamed path.

## Installation examples:

- Water lines
- Sewer lines
- Storm water
- Cable ducts (optic fibre, telecommunication and electricity etc.)

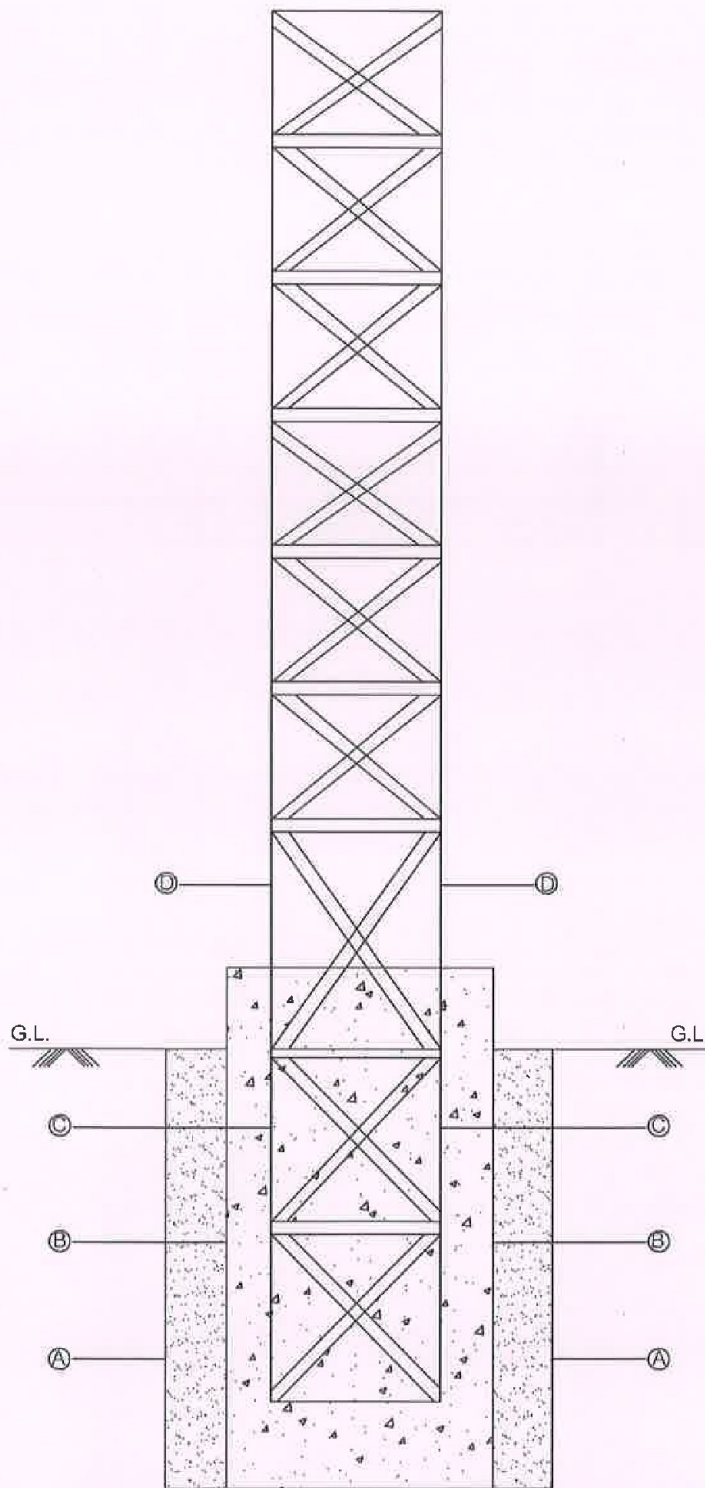
  
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 Divisional Engineer  
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 Rajendra Nagar Circle, RR Zone  
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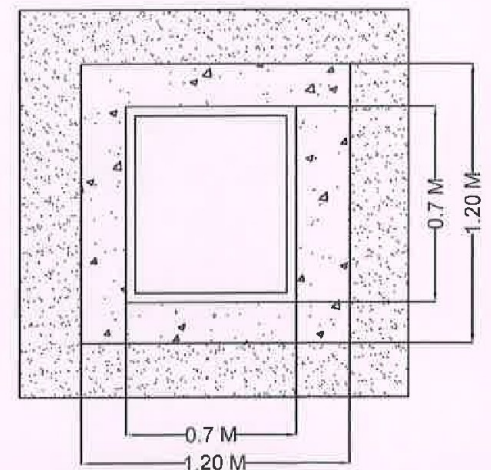


# G.I. M+9 Tower Details :

22



**CROSS SECTION**



**PLAN**

Ⓐ	Excavation : Depth - 3.0 m. x 1.2 m. x 1.2 m.
Ⓑ	RCC : Depth - 3.0 m. x 1.2 m. x 1.2 m.
Ⓒ	STUB : 0.7 m. x 0.7 m.
Ⓓ	G.I. Tower M+9 : Ht.-24 m., Wt.- 2700Kgs.
Ⓔ	Tower To Tower Distance : 60 mt. - maximum

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Rajendra Nagar Circle, RR Zone

**TEAM LEADER**

Hyderabad Dindi (O&M). NH-76  
Aarvee Associates Architects  
Engineers & Consultants Pvt.

**PROJECT DIRECTOR**  
NATIONAL HIGHWAYS AUTHORITY OF INDIA  
IMPLEMENTATION UNIT

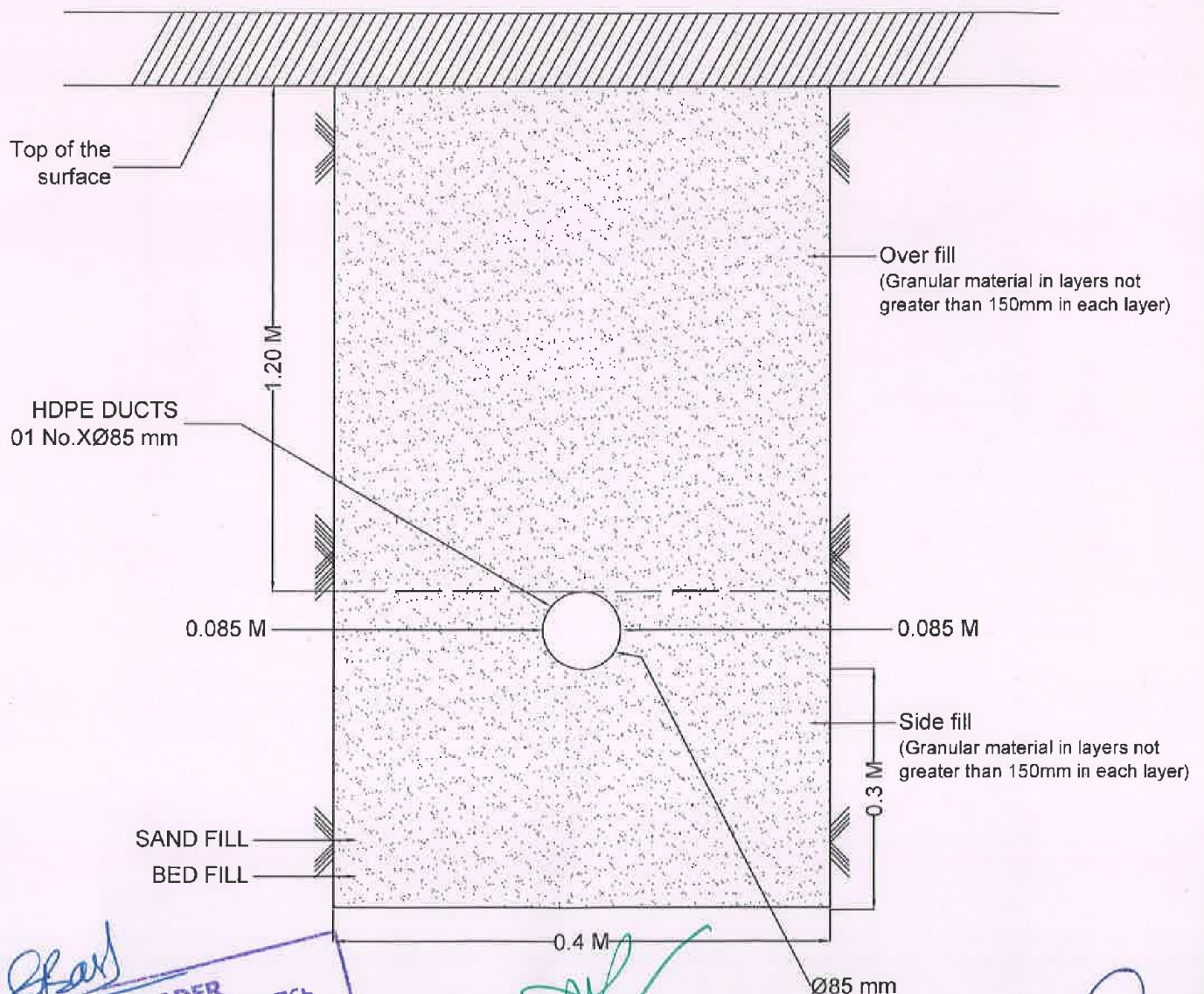
Harshika  
(SE)

ND  
N (S)

TS-501350

# TYPICAL CROSS SECTION FOR HORIZONTAL DIRECTIONAL DRILLING(HDD)

23



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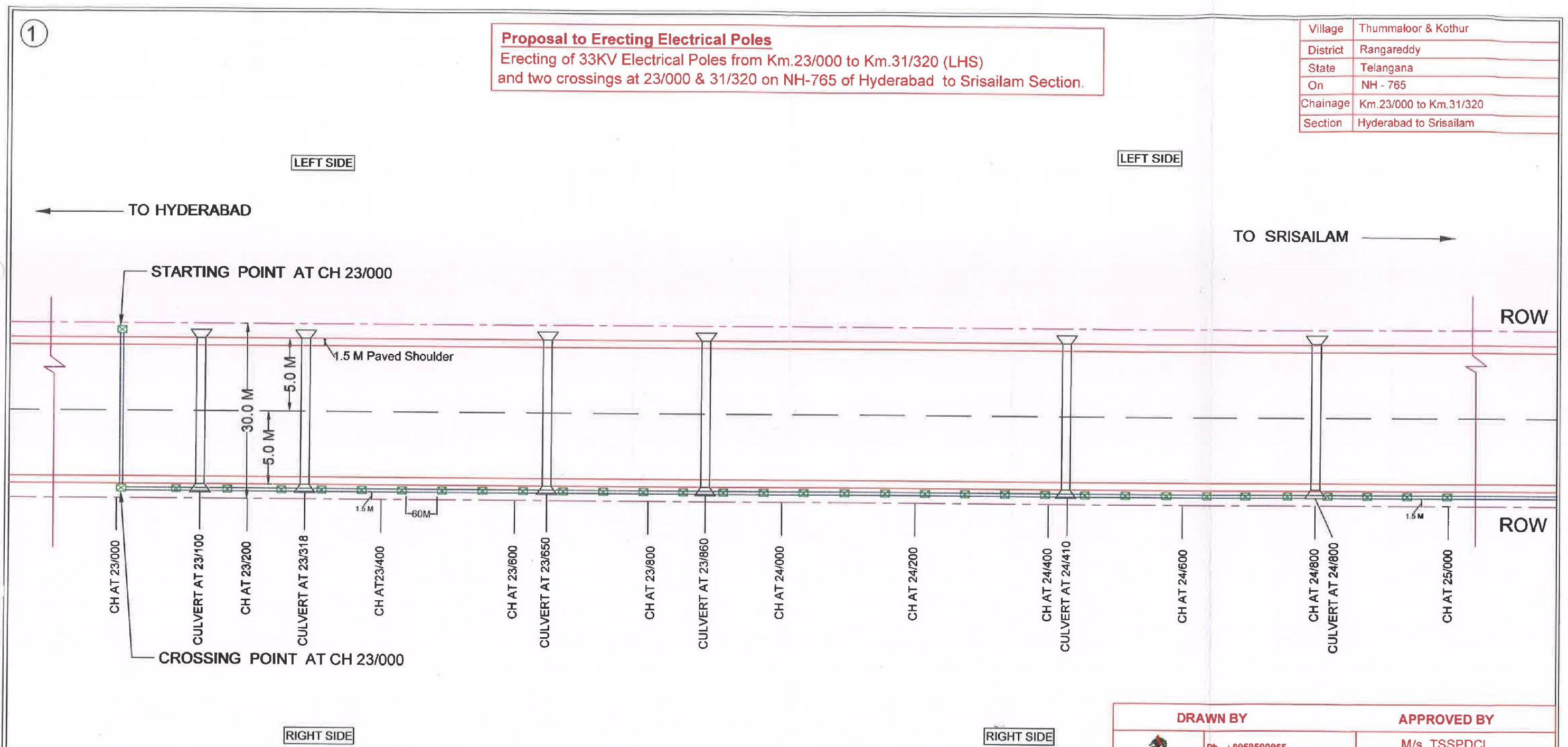
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**Proposal to Erecting Electrical Poles**  
Erecting of 33KV Electrical Poles from Km.23/000 to Km.31/320 (LHS)  
and two crossings at 23/000 & 31/320 on NH-765 of Hyderabad to Srisailam Section.

Village	Thummaloor & Kothur
District	Rangareddy
State	Telangana
On	NH - 765
Chainage	Km.23/000 to Km.31/320
Section	Hyderabad to Srisailam



⊠ Proposed Electrical Poles → 142  
Distance between Each Electrical Pole  
is 60 mts

TOPO PLAN

*Opas*

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Engineers & Consultants Pvt. Ltd.

*Harsh*  
(SE)

*Q*

**PROJECT DIRECTOR**  
NATIONAL HIGHWAYS AUTHORITY OF INDIA  
PROJECT IMPLEMENTATION UNIT  
HYDERABAD

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<b>SS WORLD GROUP</b> Ph : 9959500955. email : ssworldgroup555@gmail.com		M/s. TSSPDCL
		 <b>Divisional Engineer</b> Operation, Kandukur Division Rajendra Nagar Circle, RR Zone TSSPDCL, TS-501359.



2

**Proposal to Erecting Electrical Poles**  
Erecting of 33KV Electrical Poles from Km.23/000 to Km.31/320 (LHS)  
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Section	Hyderabad to Srisailam



⊠ — Proposed Electrical Poles → 142  
Distance between Each Electrical Pole  
is 60 mts

TOPO PLAN

*[Signature]*  
**TEAM LEADER**  
Hyderabad Dindi (O&M), NH-765  
Aarvee Associates Architects  
Engineers & Consultants Pvt. Ltd.

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	Ph : 9959500955. email : ssworldgroup665@gmail.com	M/s. TSSPDCL
		<i>[Signature]</i> Divisional Engineer Operation, Kandukur Division Rajendra Nagar Circle, RR Zone TSSPDCL, TS-501359

*[Signature]*  
(SE)

*[Signature]*  
NLT

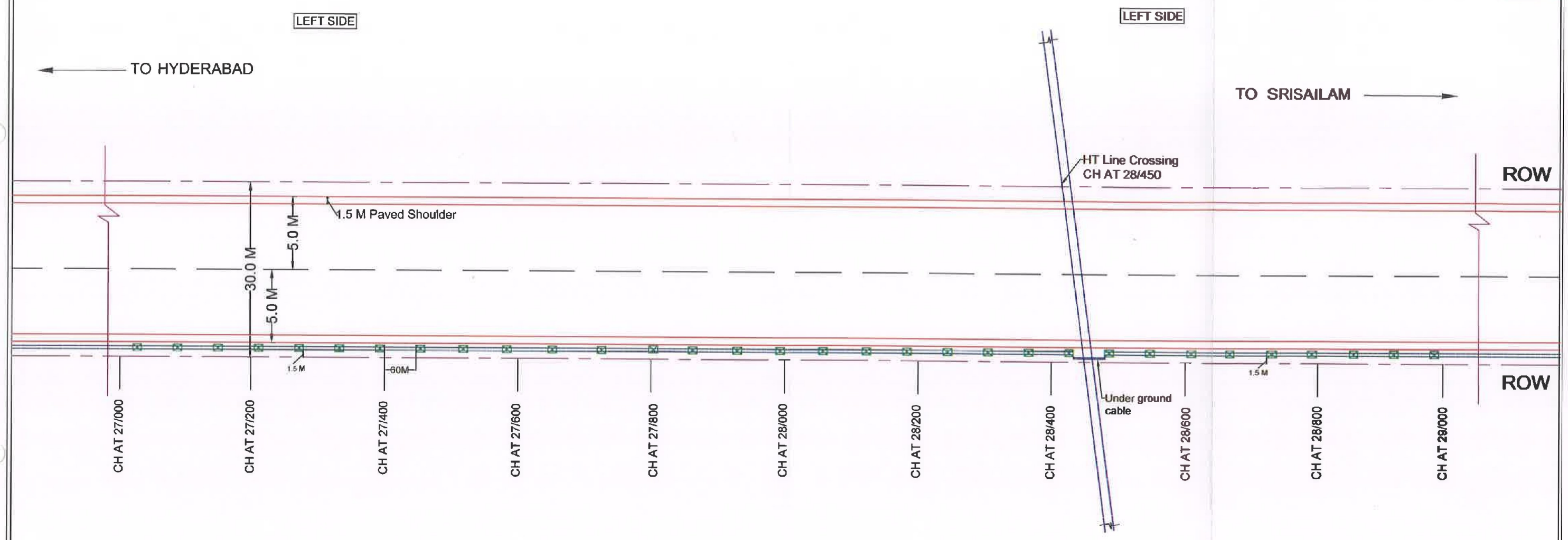
*[Signature]*  
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NATIONAL HIGHWAYS AUTHORITY OF INDIA  
PROJECT IMPLEMENTATION UNIT  
HYDERABAD - 500 034



3

**Proposal to Erecting Electrical Poles**  
Erecting of 33KV Electrical Poles from Km.23/000 to Km.31/320 (LHS)  
and two crossings at 23/000 & 31/320 on NH-765 of Hyderabad to Srisailam Section.

Village	Thummaloor & Kothur
District	Rangareddy
State	Telangana
On	NH - 765
Chainage	Km.23/000 to Km.31/320
Section	Hyderabad to Srisailam



⊗ Proposed Electrical Poles → 142  
Distance between Each Electrical Pole  
is 60 mts

TOPO PLAN

**TEAM LEADER**  
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	Divisional Engineer Operation, Kandukur Division Rajendra Nagar Circle, RR Zone TSSPDCL, TS-501359

Harsh  
CSE

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HYDERABAD - 500 034.



4

**Proposal to Erecting Electrical Poles**  
Erecting of 33KV Electrical Poles from Km.23/000 to Km.31/320 (LHS)  
and two crossings at 23/000 & 31/320 on NH-765 of Hyderabad to Srisailam Section.

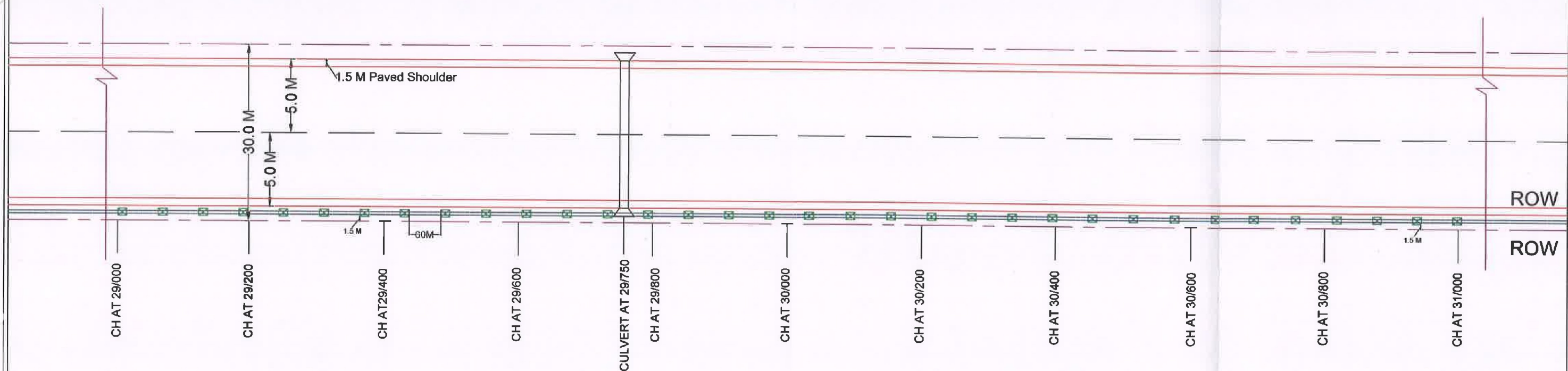
Village	Thummaloor & Kothur
District	Rangareddy
State	Telangana
On	NH - 765
Chainage	Km.23/000 to Km.31/320
Section	Hyderabad to Srisailam

LEFT SIDE

LEFT SIDE

TO HYDERABAD

TO SRISAILAM



RIGHT SIDE

RIGHT SIDE

✕ — Proposed Electrical Poles → 142  
Distance between Each Electrical Pole  
is 60 mts

TOPO PLAN

Handwritten signature  
(CJE)

Handwritten signature  
R. K.

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

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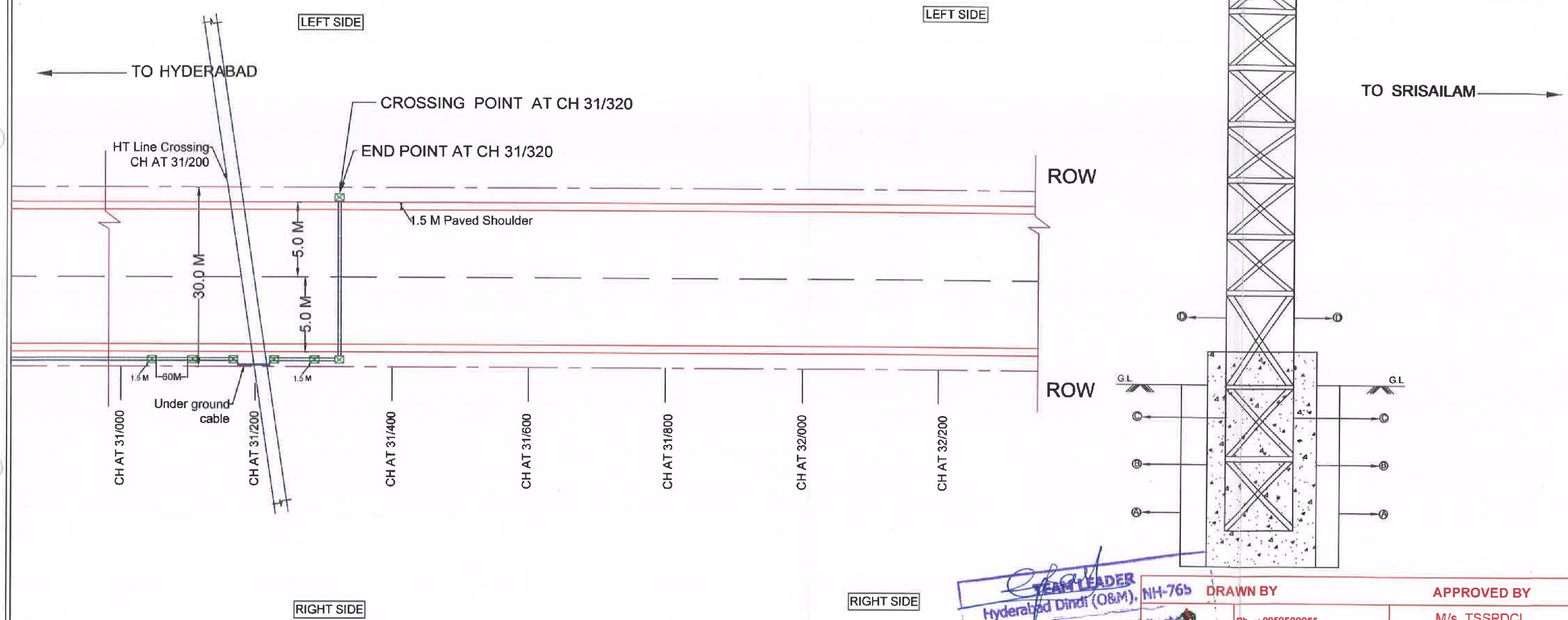
DRAWN BY	APPROVED BY
 Ph : 9959500955, email : ssworldgroup655@gmail.com	M/s. TSSPDCL
	 Divisional Engineer Operation, Kandukur Division Rajendra Nagar Circle, RR Zone TSSPDCL, TS-501359



5

**Proposal to Erecting Electrical Poles**  
Erecting of 33KV Electrical Poles from Km.23/000 to Km.31/320 (LHS)  
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Village	Thummaloor & Kothur
District	Rangareddy
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On	NH - 765
Chainage	Km.23/000 to Km.31/320
Section	Hyderabad to Srisailam



✕ — Proposed Electrical Poles → 142  
Distance between Each Electrical Pole  
is 60 mts

**TOPO PLAN**

**G.I. M+9 Tower Details**

(A)	Excavation : Depth - 3.0 m. x 1.2 m. x 1.2 m.
(B)	RCC : Depth - 3.5 m. x 1.2 m. x 1.2 m.
(C)	STUB : 0.7 m. x 0.7 m.
(D)	G.I. Tower M+9 : Ht. 24 m. , Wt. - 2700Kgs.
(E)	Tower To Tower Distance : 60 mt - maximum

**TEAM LEADER**  
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**APPROVED BY**  
M/s. TSSPDCL

**Divisional Engineer**  
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Rajendra Nagar Circle, RR Zone  
TSSPDCL, TS-501359

Hossain  
(SE)

PLH

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



## **METHODOLOGY FOR ERECTION OF UTILITY ELECTRIC TOWERS**

### **1. Site Survey and Peg Marking:-**

As a first step before start of excavation, the Contractor will do a detailed route survey of the entire route and do marking of the tower locations with pegs as per the drawings submitted.

### **2. Excavation of pits for Towers**

After marking the pole locations with pegs, the Contractor has to commence the excavation work in accordance with the route map. The excavation is to be done by manual or mechanical tools. At locations where blasting is involved using explosives, prior approval of the Engineer is to be taken. Due to any special reasons if the permission is not given for blasting, it is the responsibility of the Contractor to use other methods and complete the excavation as per the specification.

The pits are to be excavated to a size of 3.0 meters x 1.2 meters x 1.2 meters with its longer axis in the direction of line.

### **3. Foundations**

Depending on type of soils, the sub soil water table and the presence of surface water five types of foundation designs will be used for locations classified in the following manner.

**3.1. Wet type:** To be used for locations where sub soil water is met at 1.8 meters or more below the ground level which are in surface water for long period with water penetration not exceeding one meter below the ground level eg: paddy fields, in black cotton soils

**3.2. Partially Submerged Type:** To be used at locations where sub soil water is met at more than 0.90 meters from the ground level.

**3.3. Fully Submerged Type:** To be used at locations where sub-soil water is met at less than 0.90 meters from the ground level.

  
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**3.4. Rocky Type:** To be used at locations where hard rock is met with and where the bond strength between the rock and the concrete will be very high.

**3.5. Dry Type:** When the subsoil water is met at more than 1.8 meters below the ground level and only dry crops are raised and soils are normal dry cohesive or non cohesive

#### **4. Concreting of Stub with Readymix Concrete**

After the excavation of pole pits is completed, their alignment is to be checked once again. After satisfying with their alignment a R.C.C Base of size 3.5 m x 1.2 m x 1.2m shall be put in the pit.

The leveling of cement concrete padding shall be checked to ensure a level base for erection of the pole. If cement concrete padding is provided, curing of concrete is to be done for a period of 07 days by covering the concrete with gunny bags.

#### **5. Tower Erection:**

Manual Erection of towers by Contractor as each G.I Tower section is 3.0 meters each and there are 09 G.I Tower sections for each tower. Fixing of sections are done by using nuts and bolts by duly tightening them. Entire tower erection is typically done on the same day.


#### **6. Tack welding and pipe earthing**

Apart from using nuts and bolts to fix different sections of the G.I Towers, the contractor also does tack welding as additional support to hold the different sections together.

**Pipe Earthing:** A galvanized steel and a perforated pipe of approved length and diameter is placed vertically in a wet soil in this kind of system of earthing.

The size of pipe to use depends on the magnitude of current and the type of soil. The dimension of the pipe is usually 40mm (1.5in) in diameter and 2.75m (9ft) in length for ordinary soil or greater for dry and rocky soil. The moisture of the soil will determine the length of the pipe to be buried but usually it should be 4.75m (15.5ft).

  
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