



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

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

श्रेणीय कार्यालय : 41-29-45A, सर्वे नं: 373/2A, कोदंडरामालयम्, चलासानी नगर,  
रानीगारीतोटा, कृष्णालंका, विजयावाडा - 520 013, आन्ध्र प्रदेश

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

फोन / Tel : 0866-2483910, ई-मेल/e-mail: rovijayawada@nhai.org, nhairovja@gmail.com

वेब/ web: www.nhai.gov.in



Ref: NHAI/RO-VJA/PIU - TPT/NOC/APIIC/2023-24/ 2480 Dt. 30.06.2023

To

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

Sub: RO - Vijayawada - Permission for laying of DI water pipelines by crossing NH-565 at 6 locations in between Km 452+930 to 497+240 on Penchalakona - Yerpedu Section of NH-565 for a total length of 235m by M/s. APIIC in the state of Andhra Pradesh - Public comments - Reg.

Sir,

Please find enclosed herewith a proposal submitted by M/s. APIIC for laying of DI water pipelines by crossing NH-565 at 6 locations in between Km 452+930 to 497+240 on Penchalakona - Yerpedu Section of NH-565 for a total length of 235m in the state of Andhra Pradesh.

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

Encl: As above

Yours faithfully,

(R.K. Singh),  
Regional Officer  
RO - Vijayawada

Copy to:

- (i) PD, PIU - Tirupati
- (ii) M/s. APIIC - for information.



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सडक परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

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

श्रेणीय कार्यालय : 41-29-45A, सर्वे नं: 373/2A, कोदंडरामालयम्, चलासानी नगर,  
रानीगारीतोटा, कृष्णालंका, विजयावाडा - 520 013, आन्ध्र प्रदेश

Regional Office : D.No. 41-29-45A, RS.No. : 373/2A, Kodandaramalayam, Chalasani Nagar,

Ranigari Thota, Krishna Lanka, Vijayawada - 520 013, Andhra Pradesh.

फोन / Tel : 0866-2483910, ई-मेल/e-mail: rovijayawada@nhai.org, nhairovja@gmail.com

वेब/ web: www.nhai.gov.in



Ref: NHAI/RO-VJA/PIU - TPT/NOC/APIIC/2023-24/2481 Dt.30.06.2023

### INVITATION OF PUBLIC COMMENTS

Sub: RO - Vijayawada - Permission for laying of DI water pipelines by crossing NH-565 at 6 locations in between Km 452+930 to 497+240 on Penchalakona - Yerpedu Section of NH-565 for a total length of 235m by M/s. APIIC in the state of Andhra Pradesh - Public comments - Reg.

The Project Director, PIU - Tirupati submitted a proposal of M/s. APIIC for laying of DI water pipelines by crossing NH-565 at 6 locations in between Km 452+930 to 497+240 on Penchalakona - Yerpedu Section of NH-565 for a total length of 235m in the state of Andhra Pradesh.

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

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

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

  
(R.K. Singh),  
Regional Officer  
RO - Vijayawada



**भारतीय राष्ट्रीय राजमार्ग प्राधिकरण**  
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)  
**National Highways Authority of India**

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

परियोजना कार्यान्वयन इकाई, डी.नं. : 1/5/564/C, बालाजी कालनी, लक्ष्मी नारायण कल्याण मंडपम, तिरुपति- 517 502  
Project Implementation Unit, D.No. 1-5-564/C, Balaji Colony, Opp. Lakshmi Narayana Kalyana Mandapam, Tirupati - 517 502, A.P.  
Ph No : 0877-2245060, email : nhaitirupati@gmail.com, nhaitirupati@nhai.org



NHAI/PIU-TPT/070PY-22/Sl. No. 29-OFC/ 2022-23/210

RECEIVED

08.05.2023

To,  
The Regional Officer,  
National Highways Authority of India,  
Vijayawada.



Sub: NHAI - PIU-Tirupati -Penchalakona - Yerpedu section of NH-565 - M/s. APIIC Ltd., Nellore requesting to grant permission for laying DI water pipelines by crossing NH-565 at 6 locations in between Km 452+930 to 497+240 on Penchalakona - Yerpedu Section of NH-565 for a total length of 235 mtrs. in the state of Andhra Pradesh - **Approval - Requested - Reg.**

Ref: (i) APIIC Ltd., Nellore Online Application No. 20221125/2/14/17658/1718, dated 29.12.2022  
(ii) T/o. Lr. No. NHAI/PIU-TPT/070PY-22/Sl. No. 29-OFC/ 2022-23/1669, dated 29.12.2022  
(iii) Supervision Consultant, M/s. Satra Services & Solutions Lr. No. 01041117/SC/02/39/00111, dated 04.03.2023  
(iv) T/o. Lr. No. NHAI/PIU-TPT/070PY-22/Sl. No. 29-OFC/ 2022-23/2317, dated 27.03.2023  
(v) APIIC Ltd., Nellore Lr. No. ZO/APIIC/NDP/VCIC-05/NH-16/Gudur/22-23/, dated 01.12.2022 received on 10.04.2023

Sir,

With reference to the above subject cited, it is to inform that M/s. APIIC Ltd., Nellore vide online application cited under reference (i) above submitted a proposal regarding permission for laying DI water pipelines by crossing NH-565 at 6 locations in between Km 452+930 to 497+240 on Penchalakona - Yerpedu Section of NH-565 for a total length of 235 mtrs. in the state of Andhra Pradesh. Accordingly, this office has forwarded the same to the Supervision Consultant of the subject stretch of NH-565, M/s. Satra Services & Solutions vide this office letter cited under reference (ii) above for detailed report.

2. Further, this office vide letter cited under reference (iv) above informed that M/s. APIIC, Nellore has submitted the proposal through online and no physical submission of files has been received by this office and requested to submit files to this office at the earliest for taking further course of action.

4. Accordingly, M/s. APIIC, Nellore vide letter cited under reference (v) above submitted the proposal regarding permission for laying DI water pipelines by crossing NH-565 at 6 locations in between Km 452+930 to 497+240 on Penchalakona - Yerpedu Section of NH-565 for a total length of 235 mtrs. in the state of Andhra Pradesh.

5. The Supervision Consultant vide letter cited under reference (iii) above reviewed that the proposal submitted by M/s. APIIC is found to be in order and recommended the proposal for HDD method and made the following observations:

Contd.,

//2//

(i) Joint inspection was carried out along with the representative of M/s. APIIC, Nellore on 06.01.2023. Six crossing locations were identified as per the table given below:

Pipeline Crossing Locations at NH-565				
S. No	Chainages	Road Crossing angle	Crossing Direction	Observations and comments
1	452+950	90 <sup>0</sup>	LHS-RHS	4 leg junction, High Safety measures needed
2	462+750	45 <sup>0</sup>	LHS-RHS	Ok
3	472+010	45 <sup>0</sup>	RHS-LHS	Ok
4	472+380	45 <sup>0</sup>	LHS-RHS	Ok
5	477+550	45 <sup>0</sup>	RHS-LHS	High Embankment area, 3 mtr. stone pitching is affecting on each bank
6	485+300	45 <sup>0</sup>	LHS-RHS	Ok

- (ii) The RoW details as per the Schedule-A of Concession Agreement is 22 mtrs. from Km 450+800 to Km 464+700, 24 mtrs. from Km 464+700 to Km 498+100 for proposed area.
- (iii) All the items of Check List are found in order as per the guidelines of MoRT&H vide Lr. No. RW-NH-33044/29/2015/S&R(R), dated 22.11.2016
- (iv) If any damages has been happened while carrying out the work, the same should be restored to its original position as per the specifications of MoRT&H with the own cost of laying agency (M/s. APIIC Ltd.,)
- (v) Before commencement of work, a detailed work programme and methodology shall be submitted to NHAI, Supervision Consultant & O&M Contractor.
- (vi) All required safety measures shall be taken for the safe movement of traffic.

6. In this connection, the proposal submitted M/s. APIIC, Nellore was examined and the following are furnished herewith:

- (i) Check list
- (ii) Undertaking for submission of Performance Bank Guarantee as per the requirement of NHAI.
- (iii) Undertaking for shifting / Relocation of Optical Fiber Cables (as per Sl. No. 5 of Checklist).
- (iv) Draft License Agreement regarding granting of ROW permission for laying telecom cable / OFC / ducts Plan showing proposed pipeline crossing.
- (v) Key Map
- (vi) Route Strip Plans.
- (vii) Calculations for amount to be paid to NHAI towards License fee.
- (viii) IE had inspected the proposed location of laying of OFC on dt. 06.01.2023 along with the representative of M/s. APIIC, Nellore.
- (ix) M/s. APIIC, Nellore has given undertaking as per Sl. No. 5 of Check List.

Contd.,



//3//

- (x) M/s. APIIC, Nellore has given undertaking that "we undertake the 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(R), dt. 22.11.2016.
- (xi) Laying of OFC Work shall be carried out in co-ordination with the representatives of Contractor and Independent Engineer with intimation to NHAI.

6. In view of the above, the proposal of M/s. APIIC Ltd., Nellore, is herewith forwarded for approval of the Competent Authority for granting of ROW permission for laying DI water pipelines by crossing NH-565 at 6 locations in between Km 452+930 to 497+240 on Penchalakona - Yerpedu Section of NH-565 for a total length of 235 mtrs. in the state of Andhra Pradesh on NH-565.

Encl: 2 Nos. Proposals

Yours faithfully



(G. Venkateshwarlu)  
Offg. Project Director,  
PIU-Tirupati



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)  
**National Highways Authority of India**



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

परियोजना कार्यान्वयन इकाई, डो.नं : 1/5/564/C, बालाजी कालनी, लक्ष्मी नारायण कल्याण मंडपम, तिरुपति- 517 502  
Project Implementation Unit, D.No. 1-5-564/C, Balaji Colony, Opp. Lakshmi Narayana Kalyana Mandapam, Tirupati - 517 502, A.P.  
Ph No : 0877-2245060, email : nhaitirupati@gmail.com, piutirupati@nhai.org

**CERTIFICATE**

Undersigned has examined the proposal of the applicant M/s. APIIC Ltd., Nellore for laying of OFC cables along the stretch of NH-565 i.e., permission for laying of laying DI water pipelines along Penchalakona to Yerpedu section of NH-565 at 6 locations in between Km 452+930 to 497+240 for a total length of 235 mtrs. in the state of Andhra Pradesh and confirms all the standard conditions satisfied which are issued by Ministry Circular F. No. RW/NH-33044/29/2015/S&R(R), dated 22.11.2016.

1. It is certified that there will not be hindrance to the 2-laning, if it needs immediate shifting or re-location of proposed pipeline and OFC cable by the agency at their cost as per the undertaking given by the agency.
2. It will be ensured that supervision of the work of laying of utility and ensured that the defects in road portion if any, after laying of utility are corrected.
3. It will be ensured that proposed permission is entered in the register of records.

(G. Venkateshwarlu)  
Offg. Project Director,  
PIU-Tirupati



J. Chandra Sekhar  
Zonal Manager  
Tirupati Spl. Projects Zone

**Andhra Pradesh  
Industrial Infrastructure Corporation Ltd.**

(A Govt. of Andhra Pradesh Undertaking)  
Zonal Office, One Stop Service Center, IP/MPSEZ,

Lr.No: ZO/APIIC/NDP/VCIC-05/NH-16/Gudur/22-23/

Dt: 01.12.2022

To

The Project Director,  
PIU, NHAI,  
Tirupati.

NHAI-PIU TPT		
No.	086	
Date	10 APR 2023	
PD		
MGR	✓	
LAO	1	2
PA		
SE	1	2
	3	4
ACCNT.		

Sub: ZO – APIIC – Tirupati Special Project Zone, Naidupeta – VCIC-05 - **“Providing water supply to Prioritized Industrial Clusters in the State of Andhra Pradesh-Southern region (APIIC- VICDP-05)”** – Crossing of NH-565 for laying DI Water Pipeline - Permission - Requested – Reg.

Ref: 1. Agt No: 08/CE-S/APIIC/2019-20 Dt: 15-10-2019.

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It is to submit that the subject work of “Providing water supply to the prioritized Industrial Clusters in the State of Andhra Pradesh-Southern Region (VICIDP-APIIC-05)” is intended to provide dedicated water supply from Kandaleru Reservoir to the 7 Industrial Clusters, viz., Krishnapatnam (CEZ, CBIC), Naidupeta, SriCity, Erpedu-Srikalahasti North & South Nodes, IP Mambattu, Chinnapanduru (Hero Motor Corp, Apollo Tyres).

The total requirement of water for all the industrial clusters is 352 MLD whereas in the Phase-I it is decided to draw 112 MLD of water from the Pick-up weir (Head Regulator at Sankranthipalle Village, Rapur Mandal, Nellore District) by constructing a OT Structure and laying of pipeline of different dias. Viz., 1100mm, 900mm, 800mm, 700mm, 600mm, 500mm & 400mm.

The pipeline proposed for Naidupeta, SriCity, Erpedu-Srikalahasti North & South Nodes, IP Mambattu, Chinnapanduru Industrial Clusterw is 1100mm, 900mm, 800mm, 600mm, 500mm & 400mm dia DI K9 and the alignment of pipeline from pick up weir to SriCity Industrial Cluster is via villages of Rapur – Venkatagiri - Srikalahasti & Mambattu Mandals. crossing National Highway (NH-565) at Maddelamadugu Centre, Dakkili, Mopuru, Palugodu, Before TGP canal, Near TIDCO Housed of Venkatagiri limits at chainages mentioned in Annexure-I. There is no other alternative than to cross NH-565.

In this regard, the Deputy Zonal Manager (E), APIIC, Tirupati Special Project Zone, Naidupeta have met the PD, NHAI, Vedayapalem in the NHAI Office on 22.10.2022.


During the discussions the PD, NHAI, Tirupati instructed to file online application requesting NH -565 Permission and in order to save delay it was requested to submit the hard copy proposals of NH-565 crossing.

Accordingly, we have filed online application for NH-565 crossing vide Application Ref.No: 20221122/2/14/17658/1718. Also submitted that the hard copy proposal of crossing NH-565 prepared are herewith submitted for according permission at the earliest.

Yours faithfully

Encl: Hard Copy Proposals : 1 set

  
ZONAL MANAGER

  
01/12/22



# TIRUPATI SPECIAL PROJECTS ZONAL OFFICE

NHAI-PIU TPT.			
No.	086		
Date:	10 APR 2023		
PD			
MGR	✓		
LAO	1	2	
PA			
SE	1	2	
	3	4	
ACCNT.			

**MPSEZ, Menakuru, Naidupet  
Mandal, Tirupati District**

**6 Nos : CROSSINGS OF NH565 FOR  
LAYING DI WATER PIPE LINE  
- PROPOSAL**

## SECTION

**RAPUR-YERPEDU SECTION FROM Km 452/930 to  
497/240**

The Project Director  
National Highways Authority of India  
PIU-Tirupati

## **SUMMARY**

<b>Sl.No.</b>	<b>Particulars</b>
1	Forwarding Copy
2	Location map & Sectional Drawings
3	Specification report
4	Registration & Stamps Dept's valuation certificate (Govt. of Andhra Pradesh.)
3	Check list
4	Draft agreement regarding granting permissions for DI water pipe line crossings in NH565
5	Indemnity Bond
6	Undertaking relocate cable lines
7	Undertakings
8	Undertaking Land & Traffic
9	Undertaking Verbatium
10	Undertaking Performance Bank Gurantee
11	Annexure – III
12	Affidavit & Undertaking
13	Agreement fee Rs.1/- DD
14	Power of Attorney
15	Methodology of Water Pipe Line laying (Open trenching)
16	Methodology of Water Pipe Line crossings (HDD)

## CHECK – LIST

Guidelines for processing the proposal for laying of Water Supply Pipe Line across National Highways vested with NHAI/PWD/BRO.

Relevant Circulars:

1. Ministry Circular No. NH-III/P/66/76 Dt: 18.11.1976
2. Ministry Circular No. RW-NJ-III/P/66/76 Dt: 01.05.1982
3. Ministry Circular No. RW/NH-11037/1/86-DOI(II) Dt: 28.07.1993
4. Ministry Circular No. RW/NH-11037/1/86-DOI(II) Dt: 19.01.1995
5. Ministry Circular No. RW/NH-34066/2/95/S&R dated: 25.10.1999.
6. Ministry Circular No. RW/NH-34066/7/2003 S&R(B) dated: 17.09.2003
7. Ministry Circular No. RW/NH-33044/29/2015/S&R(R) dated: 22.11.2016

**Check list for getting approval for laying of over head Electrical line on NH land**

S.No.	Item	Information/Status	Remarks
1.	General Information	<p>"Providing Water supply to prioritized Industrial Clusters in the State of Andhra Pradesh Southern Region (VCICDP-APIIC-05)"</p> <p>Intends to lay 45 Kms of pipeline of 1100, 900 mm dia. DI K9 pipes from Maddelamadugu, Rapur (M), SPSR Nellore District to Pallam (V), Venkatagiri (M), Tirupati District duly crossing NH-565 at 6 locations in between Kms 452/930 to Km 497/240 of NH-565 on Rapur-Yerpedu section for a total length of <b>235 Mtr.</b> of NH Land on Rapur-Yerpedu section in the state of Andhra Pradesh.</p> <p>The pipeline at these crossings will be laid at a minimum depth of 2.1 Mtr below the existing Ground Level by Horizontal Boring Method with 1100 &amp; 900 mm dia MS Carrier Pipe along with 1500 &amp; 1200 mm dia MS casing pipes.</p>	
1.1	Name and Address of the Applicant/ Agency	<b>Zonal Manager,</b> <b>APIIC Ltd.,</b> <b>Tirupati Special Projects Zone,</b> Zonal Office, MPSEZ, Menakur, Naidupet Mandal, Tirupati District, A.P.,	
1.2	National Highway Number	NH-565(Rapur-Yerpedu Section)	
1.3	State	Andhra Pradesh	
1.4	Location		
1.5	(Crossing Chainages in Km)	As per Annexure: I 6- crossings as per annexure-1	
1.6	Length in Meters	235.00 Mtr (Road Crossings)	
1.7	Width of available ROW		

  
**Zonal Manager**  
 Tirupati Spl.Projects Zone  
 APIIC Ltd., Naidupeta

  
**Project Director**  
 NHAI, PIU, TIRUPATI.

	(a) Left side from center line towards increasing chainage/Km direction	As per Sheet Attached	
	(b) Right side from center line towards increasing chainage/Km direction	As per Sheet Attached	
1.8	Proposal to laying WATER PIPE LINE cable		
	(a) Left side from center line towards increasing chainage/Km direction	Yes, As per Drawings attached	
	(b) Right side from center line towards increasing chainage/Km direction	Yes, As per Drawings attached	
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	Airtel, BSNL OFC Line	
1.12	Number of existing lanes (2/4/6/8 lanes)	2Lanes	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	NA	
1.14	Service road existing or not	NO	
	If yes then which side	NA	
	(a) Left side from center line		
	(b) Right side from Center line	NA	
1.15	Proposed Service road		
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.16	Whether proposal to lay Water Pipe Line is after the service road or between the service road and main carriage way	NO	
1.17	Whether carrying of sewage/gas/WATER PIPE LINE pipe line has been propsoed on highway Bridges. If Yes, the mention the methodology proposed for the same	No	
1.18	Whether carrying of sewage/gas pipe line has been propsoed on parapet/any part of the bridges. If Yes, the 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 specially built for that purpose at the expenses of the agency owning the line.	Yes HDD method	
	a) Whether existing drainage structure allowed carrying utility pipeline.	No Such Proposals	
	b) Is it on a line normal to NH	as furnished in Annexure-1	
	c) What is the distance of crossing the	More than 15 Mtr	

  
**Zonal Manager**  
 Tirupati Spl. Projects Zone  
 APIIC Ltd., Naidupeta

  
**Project Director**  
 NHAI, PIU, TIRUPATI.

	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.		
	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.	MS Casing pipe as furnished in Annexure-1	
	e) Ends of the casing / conduit pipe / tower foundation shall be sealed from the outside, so that it does not act as a drainage path.	Will be followed	
	f) The casing / conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope of slope in the fills.	Will be followed	
	g) The top of the casing/conduit pipe / tower foundation should be at least 1.2 meter below the surface of the road subject to bring atleast 0.30 m below the drain inverts.	The proposed conduit pipe will be at a depth of 2.10 Mtr	
	h) Mention the methodology proposed for crossing of road for the proposed WATER PIPE LINE. Crossing shall be by boring method (HDD) especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	HDD (Trench less technology)	
	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 waterway along it.	Will be followed	
2	Document / drawing enclosed with the proposal	Enclosed	
2.1	Cross section showing the size of the trench for open trenching method. (Is it normal size of 1.6m(min) deepX0.3 wide) i) Should not be greater than 60 cm wider than the outer diameter of the pipe. ii) Located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the centre-line of the nearest carriageway iii) shall not be permitted to run along the National highway when the road	Drawing enclosed	

  
**Zonal Manager**  
 Tirupati Spl. Projects Zone  
 APIIC Ltd., Naidupeta

  
**Project Director**  
 NHAI, PIU, TIRUPATI.



	formation is situated in double cutting, Nor shall these be laid over the existing culverts and bridges. iv) These should be so laid that their top is atleast 0.6 meter below the ground level so as not to obstruct drainage of the road land.		
2.2	Cross section showing the size of pit and location of pipe line for HDD method.	Enclosed	
2.3	Strip plan / Route plan showing the Water Pipe line, chainage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drawings work etc.	Enclosed	
2.4	Methodology for laying of WATER PIPE LINE	Crossing will be done by Horizontal Directional Drilling (HDD) method – Detailed procedure attached.	
2.4.1	Open trenching method. (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type.) If yes, methodology of refilling of trench.	Yes Back fill with suitable soil in each layer 150mm and compacting with hand hammer.	
	(a) The trench width should be atleast 30 cm but not more than 60cm 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 replaced by selected material	NA	
	(c) The backfill shall be completed in two stages (i) side-fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.	YES Will be followed	
	d) The side fill shall consist of granular material laid in 15cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.	YES Will be followed	
	e) The road crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench	YES Will be followed	

  
 Zonal Manager  
 Tirupati Spl. Projects Zone  
 APIIC Ltd., Naidupeta

  
 Project Director  
 NHAI, PIU, TIRUPATI.



	f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	YES Will be followed	
	g) If required, a diversion shall be constructed at the expense of agency owning the utility line	YES Will be followed	
2.4.2	Horizontal Directional Drilling (HDD) method.	Adopted for road crossings and built up areas where normal trenching is not possible	
2.4.3	Methodology for laying of Water Pipe Line through CD works and method of Laying. In cases where the carrying of gas pipe line on the bridge becomes in escapable.	Water pipe line taken adjacent and away from CD works with own arrangements	
3	Draft License agreement signed by two witnesses.	YES	
3.1	The License fee estimate s 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 Guarnatee as Ministry's guidelines issued vide circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 is obtained.	An undertaking given by the agency towards Performance Bank Guarantee as per extent norms MORTH per each crossing as demanded by NHA/MORTH.	An undertaking for agreement is attached herewith.
4.1	Confirmation of BG has been obtained or not as per MoRTH/NHAI guidelines.	Yes	An undertaking for agreement is attached herewith.
5	Affidavit / undertaking from the Applicant for the following is to be furnished	Yes	
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,Enclosed	
5.3	Undertaking for Confirming all standard conditions of Ministry Circulars and NHAI's guideline	YES,Enclosed	
5.4	Undertaking for Indemnity against all damages and claims.	YES,Enclosed	
5.5	Undertaking for management of traffic movement during laying of utility line without hampering the traffic.	YES,Enclosed	
5.6	Undertaking that if any claim is raised	YES,Enclosed	

  
 Zonal Manager  
 Tirupati Sp. Projects Zone  
 APIIC Ltd., Naidupeta

  
 Project Director  
 NHAI, PIU, TIRUPATI.

	by the concessionaire/contractor then the same has to be paid by the applicant.		
5.7	Undertaking that prior approval of the NHAI shall be obtained before undertaking any work of the 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 laying, maintenance or shifting of the utility line will be borne by the applicant agency owning the line.	YES, Enclosed	
5.9	Undertaking that text of the license deed is as per verbatim of MoRTH format (issued vide Ministry's Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016).	YES, Enclosed	
5.10	Undertaking that the applicant has obtained various safety clearances from the representative authorities such as Directorate of Electricity, Chief controller of Explosives, Petroleum and Explosive Safety Organisation, Oil Industry Safety Directorate, State/Central Pollution Control Board and any other statutory clearance's applicable, before applying to Highway Administration.	NA	
5.11	If the MoRTH/NHAI considers it necessary in future to move the utility line for any work for improvement or repairs to the road it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Enclosed	
5.12	Certificate from the applicant in the following format i) Laying of over head electrical line will not have any deleterious effects on any of the bridge components and roadway safety for traffic. ii) for 6 laning "we do undertake that I will relocate services road / approach road / utilities at my own cost not withstanding the permission granted within such time as will be stipulated by NHAI for future six laning or any other development.	Yes, Enclosed	
6	Who will sign the agreement on behalf	<b>Zonal Manager,</b>	

  
**Zonal Manager**  
 Tirupati Spl. Projects Zone  
 APIIC Ltd., Naidupeta

  
**Project Director**  
 NHAI, PIU, TIRUPATI

	of Laying of WATER PIPE LINE	APIIC Ltd., Tirupati Special Projects Zone, Naidupeta.	
	Power of Attorney to sign the agreement is available or not	Yes	
7	The Project Director, will submit the following Certificates.		
7.1	Certificate for confirming of all standard condition issued vide Ministry Circular No.NH-41 (58)/68 dated 31.01.1969, Ministry Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016.	PD,PIU-Tirupati	
7.2	Certificate from PD in the following format (i) " It is certified that any other location of the WATER PIPE LINE line would be extremely difficult and unreasonable costly and the installation of Water Supply pipe line within ROW will not adversely affect the design, statbility & traffic safety of the highway nor the likely future improvement. Such as widening of the carriageway, easing of Curve etc".	PD,PIU-Tirupati	
	(ii) for 6-lanning (a) Where feasibility is available " I do certify that there will be no hindrance to proposed six-lanning based on the feasibilityreport 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 accommodation proposed six-laning".	PD,PIU-Tirupati	
	If NH section proposed to be taken up by NHAI on BOT basis – s cause in para 9 to be inserted in the agreement. "The permitted Highway on which license has been granted as a right to lay cable / duct, has also been granted as a right of the way to be concessional under the concession agreement for up-gradation on build, operate and transfer basis] and therefore, the license shall honor the same".	Enclosed	
8.	Who will supervise the work of laying of WATER PIPE LINEz		
	(a) On behalf of the Applicant	Zonal Manager, APIIC Ltd., Tirupati Special projects Zone,	

  
**Zonal Manager**  
 Tirupati Spl.Projects Zone  
 APIIC Ltd., Naidupeta

  
**Project Director**  
 NHAI, PIU, TIRUPATI.

		<b>Naidupeta.</b>	
	(b) On behalf of NHAI	PD, PIU-Tirupati	
9.	Who will ensure that the defects in road portion after laying of over Head electrical line are corrected and if not corrected then what action will be taken.		
	(a) On behalf of the Applicant	<b>Zonal Manager, APIIC Ltd., Tirupati Special projects Zone, Naidupeta.</b>	
	(b) On behalf of NHAI	PD, PIU-Tirupati	
11	Who will pay the claims for damages done / disruption in working of concessionalre if asked by the concessionalre	<b>Zonal Manager, APIIC Ltd., Tirupati Special projects Zone, Naidupeta.</b>	
12	A certificate from Project Director that he will enter the proposed permission in the register of records of the permission in the prescribed proforma (copy enclosed).	Yes Enclosed Annexure-III	
13	If any previous approval is accorded for laying of WATER PIPE LINE then photocopy of register of records of permissions accorded as maintained by Project Director may be enclosed.	Yes	

[Name, Designation and signature of the authorised representative of applicant]

**Zonal Manager**  
**Tirupati Spl. Projects Zone**  
**APIIC Ltd., Naidupeta**

[Name, Designation and signature of concerned authority of NHAI/PIU/Tpt]

**Project Director**  
**NHAI, PIU, TIRUPATI.**

## CERTIFICATE

1. Undersigned has examined the proposal of the applicant for crossings of Water Pipe Line and confirm that the all the standard condtions are satisfied issued Minstry Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016.
2. It is certified that any other location of utility line would be extremely difficult and unreasionble costly and installation of utility line withi ROW will not adversely affect the design, stability & traffic safety of the highway nor the likely future improvement such s widening of the carriageway, easing of curve etc.
3. I will ensure supervision of the work of crossing of utility and ensure that the defects in road portion after crossing of utility are corrected.
4. I will notify/forefit the BG for claims for damages done/disruption in working, if any.
5. I will ensure that propsoed permission in entered in the register of records.
6. The record of previous apporval, if any has been considered and copy od same is enclosed with the proposal.

  
Project Director  
NHAI PIU, TIRUPATI.  
[Name, Designation and signature of  
concerned authority of NHAI/PIU/Tpt]



## SPECIFICATION REPORT

Specification report to accompanying the estimate towards "License fee" for rd crossings of DI Water Pipe Line in between Km 452/930 to Km 497/240 of NH-565 on Rapur-Yerpedu section as Per Annexure: I for a total length of **235 Mtr.** of NH Land on Rapur-Yerpedu section in the state of Andhra Pradesh.

The Authorized Signatory, **Tirupati Special Projects Zonal Office**, MPSEZ, Menakuru, Naidupet Mandal, Tirupati District have requested to grant permission for 6 no of road crossings of DI Water Pipe Line in between Kms 452/930 to Km 497/240 of NH-565 on Rapur-Yerpedu section for a total length of **235 Mtr.** of NH Land on Rapur-Yerpedu section in the state of Andhra Pradesh.

The rate of land abutting NH/SH/ZPP/MPP obtained from the website of Registration and stamps department of Government of Andhra Pradesh is used for calculation of License fee. The list of villages falling in the proposed stretch of road with relevant, corresponding chainges and breakup of Village wise land rates are as follows.

S.No	Name of the Village	Chainage		Length in mtr	Dia of the pipe(MM)	Rate of Land abutting NH in Rs.	
		from	to			Per Acre	Per Sq.m
1	Marlagunta ,Dakkili (Md), Nellore (Dt)	462/750	462/780	45	1100	310000	77
2	Palagodu , Dakkili (Md), Nellore (Dt)	472/010	472/040	45	1100	310000	77
3	Nagulapadu , Dakkili (Md), Nellore (Dt)	472/380	472/410	45	1100	310000	77
4	Viswanandapuram , Dakkili (Md), Nellore (Dt)	477/575	477/605	45	1100	310000	77
5	Jaggaraju palli, Srikalahasti (Md), Chitoor (Dt)	485/180	485/210	45	900	828000	205
6	Maddelamadugu Centre towards Gudur	452/930		10	700	1012000	250
<b>Total</b>							<b>245.50 SqM</b>

The land rate corresponding to the chainges is used for calculating License Fee.



**ZONAL MANAGER**  
**TIRUPATI SPECIAL PROJECTS ZONE**  
**APIIC Ltd: NAIDUPETA**



**PROJECT DIRECTOR,**  
**NHAI, PIU, TIRUPATHI**  
**Project Director**  
**NHAI, PIU, TIRUPATI.**



### Methodology for water pipe line

Road Crossings (HDD) (Refer drawing)	6 nos as per Annexure: I for a total length of : 235 mts.
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### Methodology adopted for laying of Water Pipe Line by Open Trench Method

#### General :

### Methodology adopted for laying of OFC by HDD Method

#### General :

After through study of the entire stretch of proposed Water Pipe Line laying, we have proposed 6 nos road crossings as per Annexure: I in **NH565 RAPUR-YERPEDU SECTION IN BETWEEN KMS 452/930 to 497/240** total length of 235.00m in Tirupati District in the state of Andhra Pradesh..

- ❖ An indicative diagram is enclosed in the annexure for ready reference.
- ❖ Two pits at the extreme edges of the NHAI boundary, where HDD is to be done, will be opened admeasuring pit size of 1.5m x 1.5m x 2.1 m and horizontal directional drilling will be carried out and then the PLB Pipe will be pulled.



**Zonal Manager**  
**Tirupati Spl. Projects Zone**  
**APIIC Ltd., Naidupeta**