

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) श्रेत्रीय कार्यालय : 41-29-45A, सर्वे नं: 373/2A, कोदंडरामालयम्, चलसानी 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-मैल/e-mail: rovijayawada@nhai.org, nhairovja@gmail.com

वेब/ web: www.nhai.gov.in

Ref : NHAI/RO-VJA/ATP/Pipeline/2023/2423

दिनांक:27.06.2023

सेवा में / To

वरिष्ठ तकनीकी निदेशक / The Sr. Technical Director, एनआईसी, परिवहन भवन / NIC, Transport Bhawan, नई दिल्ली -110001 / New Delhi- 110001.

- विषय : एनएच-44 के हैदराबाद बैंगलोर खंड के कि.मी. 211.000 से कि.मी. 462.164 (कुल लम्बाई 251.164 कि.मी.) का संचालन और रखरखाव - हैदराबाद-बेंगलुरू खंड पर किमी 439.600 से 452.100 (आरएचएस) तक पानी की पाइपलाइन बिछाने की अनुमति (आईपी-गुडीपल्ली से कंबालापल्ली क्रॉस रोड तक) संबंध में ।
- Sub: Operation and Maintenance of Hyderabad Bangalore section from Km 211.000 to Km.462.164 of NH-44 (Total length 251.164 Km) Permission for laying water pipeline along Hyderabad Bangalore Section of NH-44 from Km 439.600 to 452.100 (RHS) (From IP-Gudipalli to Kambalapalli Cross Road) Reg.

महोदय / Sir,

आंध्र प्रदेश राज्य में एनएच-44 के हैदराबाद-बेंगलुरू खंड पर किमी 439.600 से 452.100 (आरएचएस) (आईपी-गुडीपल्ली से कंबालापल्ली क्रॉस रोड तक) तक, पानी की पाइपलाइन बिछाने के लिए जोनल मैनेजर, एपीआईआईसी लिमिटेड, पुट्टपर्थी का प्रस्ताव संलग्न है। ।

Please find enclosed herewith the proposal of Zonal Manager, APIIC Ltd., Puttaparthi for laying water pipeline along Hyderabad - Bangalore Section of NH-44 from Km 439.600 to 452.100 (RHS) (From IP-Gudipalli to Kambalapalli Cross Road) in the state of Andhra Pradesh.

2. एमओआरटीएच के पत्र सं. RW/NH-33044/29/2015/S&R (R) दिनांक 22 नवंबर 2016 के दिशा-निर्देशों के अनुसार, पीडी, पीआईयू - अनंतपुर की सिफारिश के साथ उक्त प्रस्ताव को संलग्न करते हुए मंत्रालय की वेबसाइट पर 30 दिनों के लिए दावों और आपतियों (सार्वजनिक असुविधा, सुरक्षा और आम जनता के हित के आधार पर) पर आगे आवश्यक कार्रवाई करने के लिए होस्ट करने का अन्रोध किया जाता है।

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 recommendation of PD, PIU - Ananatapur 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 /

आपका विश्वासी / Yours faithfully,

(SITE, on THE / R.K.Singh)

क्षेत्रीय अधिकारी - विजयवाड़ा/ Regional Office - Vijayawada

प्रतिलिपि/Copy to: पीडी, पीआईयू - अनंतप्र / PD, PIU - Anantapur.

अनुलग्नक/Encl: उपरोक्त के अनुसार/as above:





## 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) श्रेत्रीय कार्यालय : 41-29-45A, सर्वे नं: 373/2A, कोदंडरामालयम्, चलसानी 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/ATP/Pipeline/2023/ 2 U2 U

दिनांक:27.06.2023

### सार्वजनिक टिप्पणियों का आमंत्रण / INVITATION OF PUBLIC COMMENTS

- विषय : एनएच-44 के हैदराबाद बैंगलोर खंड के कि.मी. 211.000 से कि.मी. 462.164 (कुल लम्बाई 251.164 कि.मी.) का संचालन और रखरखाव - **एनएच-44 के हैदराबाद-बेंगलुरू खंड पर किमी 439.600 से 452.100 (आरएचएस)** तक पानी की पाइपलाइन बिछाने की अनुमति (आईपी-गुडीपल्ली से कंबालापल्ली क्रॉस रोड तक) संबंध में ।
- Sub: Operation and Maintenance of Hyderabad Bangalore section from Km 211.000 to Km.462.164 of NH-44 (Total length 251.164 Km) - Permission for laying water pipeline along Hyderabad -Bangalore Section of NH-44 from Km 439.600 to 452.100 (RHS) (From IP-Gudipalli to Kambalapalli Cross Road) - Reg.

परियोजना निदेशक, पीआईयू - अनंतपुर ने आंध्र प्रदेश राज्य में एनएच-44 के हैदराबाद-बेंगलुरू खंड पर किमी 439.600 से 452.100 (आरएचएस) (आईपी-गुडीपल्ली से कंबालापल्ली क्रॉस रोड तक) तक, पानी की पाइपलाइन बिछाने के लिए जोनल मैनेजर, एपीआईआईसी लिमिटेड, पुटटपर्थी का एक प्रस्ताव प्रस्तुत किया है।

The Project Director, PIU - Anantapur submitted a proposal of Executive Engineer, RWS&S Division, Kurnool for laying of Water Pipeline with a total length of 45.500 Kms from Km.253.200 to Km.266.800 RHS, from Km.263.400 to Km.290.500 RHS, from Km.271.00 to Km.275.200 RHS and from Km.290.800 to Km. 291.400 RHS along the NH-44 and 660 mtrs across NH-44 in the state of Andhra Pradesh 2. एमओआरटीएच के पत्र सं. RW/NH-33044/29/2015/S&R (R) दिनांक 22 नवंबर 2016 के दिशा-निर्देशों के अनुसार, उक्त प्रस्ताव को राजमार्ग प्रशासन द्वारा मंत्रालय की वेबसाइट पर 30 दिनों के लिए सार्वजनिक डोमेन में दावों और आपत्तियों (सार्वजनिक असुविधा, सुरक्षा और आम जनता के हित के आधार पर) के लिए डाला जाता है। 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 Public Domain for 30 days seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

3. उपरोक्त को ध्यान में रखते हुए, उपरोक्त प्रस्ताव पर जनता की टिप्पणियां, यदि कोई हो नीचे दिए गए पते पर आमंत्रित किया जाता है / In view of the above, the comments of public, if any, on the abovementioned proposal is invited on below mentioned address:

क्षेत्रीय अधिकारी विजयवाड़ा - / Regional Officer - Vijayawada,

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण / National Highways Authority of India ,

द्वार संख्या ४१-२९-४५ए, आर.सं.एस.३७३/२ए / Door No.41-29-45A, R.S.No.373/2A,

कोदंडारामालयम के पास, चालासनी नगर / Near Kodandaramalayam, Chalasani Nagar /,

रानीगरीथोटा, कृष्णालंका, विजयवाड़ा-520 013 / Ranigarithota, Krishnalanka, Vijayawada - 520 013

ईमेल/ Email: rovijayawada@nhai.org



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण (सड़क परिवहन और राजमार्ग मंत्रालय, पारत सरकार) NATIONAL HIGHWAYS AUTHORITY OF INDIA (Ministry of Road Transport & Highways, Government of india) परियोजना कार्यान्वयन इकाई - अनंतपुर # 6-4-239, 3rd क्रॉस, मारित मब्द, अनंतपुर PROJECT IMPLEMENTATION UNIT - ANANTHAPUR # 6-4-239, 3rd Cross, Maruthi Nagar, Ananthapur - 515 004.



NHAI/PIU-ATP/11021/23/NOC/0562

05.06.2023

Regional Officer National Highways Authority of India Regional Office Door No.41-29-45A, 3<sup>rd</sup> & 4<sup>th</sup> floors Near Kodandaramalayam Chalasani Nagar, Ranigarithota Krishnalanka, VIJAYAWADA - 520 013

- Sub: Operation and Maintenance of Hyderabad Bangalore section from Km 211.000 to Km 462.164 of NH-7 (Total length 251.164 Km) in the state of Andhra Pradesh Permission for laying of water supply pipeline along Hyderabad-Bangalore section of NH-44 from Km 439.600 to Km 452.100 (RHS) (From IP-Gudipalli to Kambalapalli Cross Road) Request for according permission for laying of pipeline reg.,
- Ref: 1 SC,M/s SA Infrastructure Pvt Ltd letter no.150 dtd 01.06.2023
  - 2. DPR Consultant, M/s Aarvee Associates letter no.1482 dtd 29.05.2023.
  - 3. This office letter no.0510 dtd 17.05.2023.
  - 4. Zonal Manager, APIIC Ltd, Puttaparthi letter no. ZO/APIIC/PTP/Bulk Water Supply/IP-Tekulodu/2023 dtd 11.05.2023 (received on 16.05.2023)

#### Sir,

This has reference to the letter under reference 4<sup>th</sup> cited above, vide which the Zonal Manager, APIIC Ltd, Puttaparthi has submitted the proposal for laying of underground water supply pipeline along NH-44 from Km 439.600 to Km 452.100 on RHS (From IP-Gudipalli to Kambalapalli Cross Road) for a length of 12500m along Hyderabad - Bangalore Section of NH 44 and sought the approval.

- 2. As such, this office vide letter cited under reference 3<sup>nd</sup> above has requested the Six laning DPR Consultant, Supervision Consultant of the subject stretch to examine the complete proposal of the Zonal Manager, APIIC Ltd, Puttaparthi and the recommendation of the Consultants on the proposal may please be communicated by duly signing the drawings/checklist submitted by Zonal Manager, APIIC Ltd, Puttaparthi & keeping in view all the standard conditions issued vide Ministry / NHAI Circulars.
- 3. In this connection, the proposal to be considered is as under.

(a) Length of pipeline to be laid (b) Depth at which pipeline proposed to be laid	:	12500 m 1.2 m from ground level
(c) Location to be laid (strip plan)	:	In the utility corridor / Right of way of NHAI

4. Following particulars are furnished by the Applicant with the proposal.

### Building a Nation, Not Just Roads

कारपोरेट कार्यालय : जी-5 एवं 6, सेक्टर-10, द्वारका, नई दिल्ली - 110 075. वेबसाइट : http://www.nhai.org Corporate Office : G-5 & 6, Sector -10, Dwaraka, New Delhi - 110 075 Website : http://www.nhai.org

- (a) Application & check list
- (b) Undertaking to submit the Bank Guarantee as and when demand raised by the NHAI.
- (c) Undertaking for payment of license fee / lease rental as and when demand raised by the NHAI.
- (d) License agreement on stamp papers
- (e) Undertakings for Relocation of pipeline as and when required
- (f) Route plan
- 5. Further, DPR Consultant vide their letter no.1482 dtd 29.05.2023 & Supervision Consultant vide their letter under reference (1) above (copies enclosed) has informed that their team has inspected the above said location and reviewed the necessary documents submitted by the Zonal Manager, APIIC Ltd, Puttaparthi and verified all the points in accordance with the latest Ministry Guidelines vide letter no. RW/NH-33044/29/2015/S&R dtd 22.11.2016 and submitted that the check list and all other documents were verified and found in order. As such, it is recommended to accord NOC and permission for the Supply of Pipe line from km.439.600 to Km.452.100 RHS (From Ip-Gudipalli to Kambalapalli cross Road) for a length of 12.5km in available utility corridor of the subject stretch.
- 6. In view of the above, the Consultants have opined that the permission may be accorded to Zonal Manager, APIIC Ltd, Puttaparthi to lay Pipeline with 1.2m depth along proposed stretch.
- 7. In this regard, it is to inform that the proposal submitted by Zonal Manager, APIIC Ltd, Puttaparthi is in order and in accordance with MoRT&H guidelines. The certificate in respect of conformity of the proposal is enclosed.
- 8. In view of the above, approval of the Competent Authority is sought for laying Pipeline in the utility corridor of NH in the stretch from Km 439.600 to Km 452.100 on RHS (From IP-Gudipalli to Kambalapalli Cross Road) by Zonal Manager, APIIC Ltd, Puttaparthi for a length of 12500 m.

Yours faithfully

(J.L. Meena) DGM (Tech.) & Project Director

**Encl:** As above (1 set of proposal)

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### CERTIFICATE IN RESPECT OF PERMISSION FOR LAYING OF GAS PIPELINE FROM KM 439.600 TO KM 452.100 (RHS) ALONG THE HYDERABAD BANGALORE ROAD SECTION OF NH44

It is hereby certified as under

- 1. All the standard conditions issued vide Ministry / NHAI Circulars are incorporated in the proposal and the same is herewith confirmed.
- 2. The available width of ROW is 60 m in the stretch from Km 439.600 to Km 452.100 (RHS). Sufficient ROW is available to accommodate six-laning in future.
- 3. The permission after approval will be recorded in a "Register of Permissions" in the prescribed proforma.





leena) DGM (Tech.) & Project Director





Project Office : First Floor, D. No. 6-2-994, Plot No. 4&5, Survey No. 55.2B, Ramnagar, Anantapur, Distt. Anantapur, (Andhra Placesh) - 515.001 Phone No.: +91.8554796783 Email: 51r@sainfra.co.in

Letter No. SAICPL-UIC/ATP/NHAI/2023/150

Date: 01.06.2023

To,

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TANTS

### **The Project Director**

National Highways Authority of India, 6-4-239,3<sup>rd</sup> Cross Maruti Nagar, Ananthapuram – 515004. Dear Sir,

Sub: Consultancy Service of Supervision Consultancy Services (SC) for Operation and maintenance of Hyderabad – Bangalore section from Km.211.000 to Km.462.164 of NH 44 (Old NH 7) in the state of Andhra Pradesh: - Permission for laying of water Supply of Pipe line from Km. 439.000 to 452.100 RHS (From IP - Gudipalli to Kambalapalli cross Road – Requested – Report submitted - Reg

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E-mail dtd...

Original dtd.

# Ref: 1, NHAI/PIU-ATP/11021/23/NOC/0510

Dated: 17.05.2023

It is to submit that PD NHAI, ATP vide reference 1<sup>st</sup> cited above, duly enclosing the proposal for Permission for laying of water supply of Pipe line along Km. 439.000 to 452.100 RHS (From Ip-Gudipalli to Kambalapalli cross Road has instructed the Team Leader M/s. Arvee associate and M/s SA infrastructure Pvt Ltd., consultant to inspect the site and furnished the comments/observations.

The supervision consultancy SA Infrastructure Pvt Ltd staff has inspected the site of the proposed pipeline 439.000 to 452.100 RHS and the observation are as follows:

- 1. The location of Supply of Pipe line from KM. 439.600 to KM.452.100 RHS (From Ip-Gudipalli to Kambalapalli cross Road in Sri Sathya sai Dist. Andhra Pradesh. The subjected location is falls in the Rural area in,Sri Sathya Sai District, Andhra Pradesh.
- 2. The available ROW is 60m from KM. 439.000 to KM.452.100 RHS (From Ip-Gudipalli to Kambalapalli cross Road in Sri Sathya sai Dist. Andhra Pradesh
- 3. The zonal Manager APIIC Puttaparthi zone has submitted the check list as per circular No.RW/NH-33023/19/99-DO-III dtd 24.07.2013 by MORT&H, GOI and the same were found in order.
- 4. As such, the NOC and permission to accord for the Supply of Pipe line from km.439.000 to Km.452.100 RHS (From Ip-Gudipalli to Kambalapalli cross Road may please be considered duly obtaining comments from Team Leader M/s Arvee Associates.

yR. Subramaje



- 5. The following conditions may please be stipulated
  - a. crossings at all the approach roads/merging roads shall be done strictly with the HDD method only.
  - b. The Pipeline shall be run along the utility corridor only, in which the offset shall not be deviated from the submitted proposal in the subjected stretch. If the work is found any deviations the work may be stopped at any stage.
  - c. Any Encroachments shall be removed with their own cost.
  - d. While commencing of work and the work is in progress, transparent communication shall be maintained.
  - e. Demarcation of the pipeline must be done in regular intervals.
- 6. The length mentioned in the subject proposal is of 12.5km (12500m). The NOC and permission to accord for the Supply of Pipe line from km.439.600 to Km.452.100 RHS (From Ip-Gudipalli to Kambalapalli cross Road may please be granted duly obtaining comments from Team Leader M/s Arvee Associates i.e DPR consultancies for the proposed 6 laning project.

This is for information and necessary action.

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

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

bramanyar 1-6-23 **YR** Subramanyam

Team Leader

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





adivee associates architects engineers & consultants pvt. ltd. An ISO 9001:2008 Certified Company

Letter No. AA/HW/NHAI/2446/2023-24/**1482** Date 29.05.2023

To, The Project Director Project Implementation Unit (PIU), National Highways Authority of India, Anantapur, Andhra Pradesh.



Sub: DPR - Consultancy Services for preparation of DPR for "Augmentation of existing 4 lane Section of NH-44 from Km.211.00 (Kurnool) to Km. 534.72 (Devanahalli Village in the State of Karnataka) to 6 lane Partial Access Controlled Highway in the State of Andhra Pradesh & Karnataka"–Laying of pipe line for "Providing Bulk Water Supply Scheme to IP-Tekulodu" along NH-44 from Km 439/600 to Km 452/100 -Report Submitted-reg

 Ref:
 1.NHAI Letter No. NHAI/PIU-ATP/11021/22/NOC/1123 Dt.02.11.2022

 2. Letter No. AA/HW/NHAI/2446/2021-22/5907 Dt.03.12.2022

 3. NHAI Letter No. NHAI/PIU-ATP/11021/23/NOC/0510 Dt.17.05.2023

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Dear Sir,

This has reference to the letter 3<sup>rd</sup> cited, wherein it has been requested to inspect the site and furnish a detailed report on the proposal for laying water pipeline from Km.439+600 to Km.452+100 on Hyderabad-Bangalore section of NH-44.

It is to mention that the comments and observations were already furnished vide letter  $2^{nd}$  cited. In this regard, site inspection has been carried out and following comments are herewith furnished.

(i) Applicant has proposed to lay the water pipeline from Km.439+600 to Km.452+100 (RHS).

(ii) It is to mention that 1 No's Flyovers, 2 No's Minor Bridges, 3 No's VUPs and 6 No's LVUPs have been proposed on the section from Km.439+600 to 452+100 as per the Draft DPR.

S. No	Description	TCS No.
1	Typical Cross Section for Widening of Existing 4-Lane to 6-Lane with raised median	IA
2	Typical Cross Section for Widening of Existing 4-Lane to 6-Lane with Raised median & service roads on both sides (retained)	IB
3	Typical Cross Section for Widening of Existing 4-Lane to 6-Lane with raised median and service roads on both sides (reconstruction)	IC
4	Typical Cross Section for widening of existing 4-Lane to 6- Lane & Service Road Reconstruction on LHS and New on RHS	ID
5	Typical Cross Section for Widening of Existing 4-Lane to 6-Lane with raised median and service roads on both sides	II

(iii) The Following TCS has been proposed as per the Draft DPR.

S. No	Description	TCS No.
6	Typical Cross Section for Widening of Existing 4-lane to 6- lane with raised median and service roads on both sides (Footpath cum drain)	IIIA
7	Typical Cross Section for Widening of Existing 4-Lane To 6-Lane with Raised Median & New Service Roads on LHS & RHS Service Road Retained	IIIB
8	Typical Cross Section for Widening of Existing 4-Lane to 6-Lane with raised median and service road on LHS	IIIC
9	Typical Cross Section for Widening of existing 4-lane to 6- lane with raised median & service roads on RHS	IIID
10	Typical Cross Section for 6-Lane LVUP/VUP/Flyover approach with service roads on both sides (New Construction)	IVA
11	Typical Cross Section for Widening of Existing 4-Lane to 6-LVUP/VUP/Flyover approach with service roads on both sides (Widening)	IVB
12	Typical Cross Section for 6-lane ROB/LVUP/VUP approach retained (overlay)+ Service Road New Construction	IVC
13	Typical Cross Section for 6-lane LVUP/VUP/Flyover approach (new) with service roads on both sides (Reconstruction)	IVD
14	Typical Cross Section for existing 6 - lane with service road (Reconstruction)	XIA
15	Typical Cross section for existing 6 - lane without service road (overlay)	XIB

(iv) As per the above mentioned Typical Cross sections, provision for Utility Corridor of 2m has been made at the edge of RoW for accommodating the Utilities. The Copy of TCS is herewith Enclosed for ready reference.

(v) As per the MoR&H Guidelins No. No.RW/NH-33044/29/2015/S&R (R) dt.22.11.2016, "*No utility service shall be laid over existing culverts and bridges except through the utility ducts where such provision exists. In case of absence of such provisions, the Licensee shall make his own arrangement for crossing of cross drainage structure, rivers, etc. below the bed.*" Accordingly, applicant must make its own arrangements for crossing of Culverts/Minor and Major Bridges.

In view of the above, Pipeline may be accommodated in Utility Corridor subject to fulfilment of MoRT&H Guidelines No.RW/NH-33044/29/2015/S&R (R) dt.22.11.2016 and its subsequent amendments.

With Best Regards,

for Aarvee Associates Architects Engineers & Consultants Pvt. Ltd.,

(S. S Reddy)
Team Leader cum Senior Highway Engineer
Copy to:
1. Regional Officer, NHAI, Vijayawada – for kind information.

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# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहने और राजमार्ग मंत्रालय, भारत सरकार)

NATIONAL HIGHWAYS AUTHORITY OF INDIA

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

परियोजना कार्यान्वयन इकाई - अनंतपुर # 6-4-239, 3rd क्रॉस, मारि त म₀र, अनंतपुर PROJECT IMPLEMENTATION UNIT - ANANTHAPUR

ई - अनंतपुर म₀ र, अनंतपुर T - ANANTHAPUR

# 6-4-239, 3rd Cross, Maruthi Nagar, Ananthapur - 515 004. टेली / Tele : 91-8554-275599 ई-पेल / Email : anantapur@nhai.org, nhaipiuatp@gmail.com

# NHAI/PIU-ATP/11021/23/NOC/0510

17.05.2023

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

The Team Leader M/s. SA Infrastructure Consultants Pvt. Ltd., Noida in Association with M/s. Upham International Corporation D. No. 6-2-994, 1<sup>st</sup> Floor, Ram Nagar ANANTAPUR - 515 001 (AP) Email: <u>tl.omthydblr@sainfra.co.in</u>

- Sub: Operation and Maintenance of Hyderabad Bangalore section from Km 211.000 to Km 462.164 of NH-7 (Total length 251.164 Km) in the state of Andhra Pradesh - Permission for laying of water supply pipeline along Hyderabad-Bangalore section of NH-44 from Km 439.600 to Km 452.100 (RHS) (From IP-Gudipalli to Kambalapalli Cross Road) - Requested- reg.,
- Ref: Zonal Manager, APIIC Ltd, Puttaparthi letter no. ZO/APIIC/PTP/Bulk Water Supply/IP-Tekulodu/2023 dtd 11.05.2023 (received on 16.05.2023)

Sir,

Please refer to letter cited under reference above, vide which the Zonal Manager, APIIC Ltd, Puttaparthi has submitted the proposal for laying of underground water supply pipeline along NH-44 from Km 439.600 to Km 452.100 on RHS (From IP-Gudipalli to Kambalapalli Cross Road).

2. In this regard, the Consultants of subject stretch hereby requested to inspect the site and furnish your comments/ observations in respect of the above by duly signing the drawings/checklist submitted by the Zonal Manager, APIIC Ltd, Puttaparthi & keeping in view of the 6 laning work and all the standard conditions issued vide Ministry / NHAI Circulars, at the earliest for further necessary action.

Encl: As above

perchied &

Yours truly

UM (J.L. Meena) DGM (Tech.) & Project Director

Copy to:

Zonal Manager, APIIC Ltd, Puttaparthi for information.

### Building a Nation, Not Just Roads

कारपोरेट कार्क्रालयक्ष्व्यक्विक्विक्त्रिक्विक्व्रिक्वे कि द्वारका, नई दिल्ली - 110 075. वेबसाइट : http://www.nhai.org Corporate Office : G-5 & 6, Sector -10, Dwaraka, New Delhi - 110 075 Website : http://www.nhai.org





#### A.P. Industrial Infrastructure Corporation Lin

(A Government of Andhra Pradesh Undertaking) Zonal Office, Near KIA Motors, Duddebanda Cross, Erramanchi - 515164 angli did. Mobile No. 9666707733 Mail id: zm-hindupur@apiic.in

M. MURALI MOHAN (FAC) Zonal Manager Lr. No. ZO/APIIC/PTP/Bulk Water Supply/IP-Tekulodu/2023

То The Project Director NHAI, P.I.U Anantapuramu Sir,

Sub: APIIC-ZO- Hindupur -IP-Tekulodu- laying of pipe line for "Providing Bulk water Supply scheme to IP-Tekulodu" along NH-44 from KM439/6 to KM452/1.-Permission for laying of the pipe line along NH- Requested-Reg.

Ref: 1) Agt. No. 01/ENC/APIIC/2021-22, DT: 13.05.2021.

- 2) T.O.L ZO/PAIIC/HDP/IP-Tekulodu/Water Supply/2021, DT: 01.10.2021
- 3) NHAI/PIU-ATP/11021/21/NOC/0057, DT: 21.01.22 of the Project Director. NHAI, Anantapuramu.

4) T.O.L ZO/PAIIC/HDP/Bulk Water Supply/IP-Tekulodu/2021, DT: 25.04.2023.

Vide reference 1<sup>st</sup> cited, the laying of pipe line for the work of "Providing Bulk water Supply scheme to IP-Tekulodu" along NH-44 from KM 439/6 to KM452/1(IP-Gudipalli to Kambalapalli Cross road) on RHS of Hyderabad-Bangalore road section of NH-44" for a length of 12.50KM.

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Bulk water Supply scheme to IP-Tekulodu project is main priority work to APIIC, due to water supply to upcoming Industrial Parks in Puttaparthi Zone. Hence please issue permission for lying of Pipe line and complete the above work as early as possible with a request to accord necessary permission.

Yours faithfully,

Encl: As above

ZONAL MANAGER APIIC Ltd, Puttaparthi Zone

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DT: 11.05.2023

Copy submitted to Chief Engineer-II APIIC Ltd, Mangalagiri for favour of taking necessary action.



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### **CHECK LIST**

Guidelines for project Directors for processing the proposal for Bulk water supply scheme to IP-Tekulodu, Chilamattur (M), Anantapuramu District, Andhra Pradesh in the land along National Highways vested with NHAI.

SL.No	Item		Remarks
1	General Information	Bulk water supply scheme to IP- Tekulodu, Chilamattur (M), Anantapuramu District, Andhra Pradesh.	0
1.1	Name and address of the applicant/ Agency	Zonal manager, APIIC,IP Ammavaripalli, Sri Satya Sai district	
1.2	National Highway Number	NH-44	
1.3	State	Andhra Pradesh	
1.4	Location	IP-Tekulodu	
1.5	Chainage/Km	NH-44 from KM439/6 to KM452/1 (IP-Gudipalli to Kambalapalli Crossroad) on RHS of Hyderabad-Bangalore road section of NH-44,	
1.6	Length in meters	12500Mts	
1.7	Width of available Row		
	<ul> <li>a) Left side from centre line towards increasing chainage /Kms direction</li> </ul>	30M	
	<ul> <li>b) Right side from centre line towards increasing chainage/km direction</li> </ul>	30M	
1.8	Proposal to lay the utility a) Left side from centre line towards increasing chainage /Kms direction		
	<ul> <li>b) Right side from centre line towards increasing chainage/km direction</li> </ul>	Yes as per the drawings attached (utility corridor)	
1.9	Proposal to acquire the land	NA	
	a) Left side from centre line	•	
4.40	b) Right side from centre line	•	
1.10	Whether proposal is in the same side where land is not to be acquired	YES	
1.11	If not then where to lay the cable		
191.91	Details of already laid services, if any along the proposed route	-	
1.12	Number of existing lanes (2,4,6,8 lanes)	4 lane	/
1.13	Proposed number of lanes 2 lane with paved shoulders/4/6/8 lanes)	NA	
1.14	Service road existing or not If yes then which side	NA	
	a) Left side from centre line		
	b) Right side from centre line		



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

H. L.Q ZONAL MANAGER APIIC Ltd., Puttaparthy Zone



1.15	Proposed service road	NA	
	a) Left side from centre line		
	b) Right side from centre line		
1.16	Whether proposal to lay the utility is	In Utility Corridor	
	after the service road or between the service road and main carriage		
	way		
1.17	Whether carrying of water pipeline	NA	
	has been proposed on highway/		
	bridges if yes then mention the		
	methodology proposed for the same		
	Whether carrying of water pipeline	NA	
	has been proposed on the parapet		
	bar any part of the bridges. If yes		
	then mention the methodology		
	proposed for the same		
	a) Whether the existing drainage	NA	
	structures are allowed to carry		
	the utility pipeline		
	b) Is it on align normal to the NH	NA	
	c) What is the distance of crossing	NA	
	the utility pipelines from the	1103	A
	existing structures crossing		
	shall not be too near the		
	existing structures on the		
	National Highways. The		*
	minimum distance being 15mts.		
		NLA	
		NA	
	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		
_	carrier pipe/cable		-
	Mention type of casing		
	e) Ends of the casing pipe shall be	NA	
	sealed from the outside. So		
	that it does not act as a		
	drainage path		
	f) The top of the casing pipe	NA	
	should be atleast 1.2mts below		
	the surface of the road subject		
	to being atleast 0.3mts below		
	the drain inverts		
	Mention the proposed details		
	g) Mention the methodology	NA	
	proposed for crossing of road		
	for the proposed water		
	pipeline. Crossing shall be by		
	boring method HDD. Specially		
	where the existing road		
	pavement is of cement		
	concrete or dense bituminous		
	concrete type.		
	h) The casing pipe shall be installed	NA	
	with an even baring throughout		
	its length and in such a manner as		
	to prevent the formation of a		
	water way along it		



Project Director ZONAL MANAGER NHAI P.I.U., Anantapurapiic Ltd., Puttaparthy Zong

1.18	No of applications on the same stretch	1	
1.19	Whether the case of multiple licences	No	
1.20	If so furnish a joint implementation programmer to lay their respective ducts within stipulated time frame.	NA	
	If crossing of the road involved If Yes, it shall be through trenchless technology	NA	
2	Document bar drawing to be enclosed with the proposal	Yes Enclosed	
2.1	Cross section showing the size of the trench for open trenching method	Enclosed	
	Is it normal size of 1.2m deep x 1.3m wide	Yes	
2.2	Cross section showing the size of the pit and location of cable for HDD method	NA	
2.3	Strip plan/ route plan showing the utility/ water pipeline chainage width of ROW distance of proposed pipeline from the edge of ROW. Important milestone intersections, cross drainage works etc	Yes Enclosed as per drawing	
2.4	Methodology for laying of the utility pipeline	Yes Enclosed	
2.4.1	Open trenching method (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete open trenching method (May be allowed in	Backfill the soil excavated with compaction at the rate of every 300mm	
	utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type		
.4.2	Horizontal directional drilling method (HDD method)	NA	2
2.4.3	Methodology for laying of the pipeline through CD works and method of laying	NA	
	In case where the carrying of water pipeline on the bridge becomes inescapable		
3	Draft licence agreement is signed by two witnesses	Enclosed	
4.1	Performance bank guarantee	BG shall be submitted as per	
4.2	Confirmation of BG has been obtained are not as per MORTH/ NHAI Guidelines	NHAI Guidelines	
5	Affidavit/ undertaking from the applicant from the following is to be furnished	Yes Enclosed	
5.1	Undertaking not to damage any other utility, If damaged the to pay the losses either NHAI or to the concerned agencies Undertaking for renewal of BG as when asked by MORTH NEAL	Yes Enclosed	
5.2	Undertaking for renewal of BG as when asked by MORTHANHAL	Yes will be obtained after submission of BG	

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Projector M. M. M. ZONAL MANAGER NHAI P.I.U., Anantapupile Ltd., Puttaparthy Zona

5.3	Undertaking for confirming all standard condition of Ministry/NHAI	Yes Enclosed	
5.4	guideline Shifting of Pipe line as and when required by NHAI	Yes	
5.5	Shifting due to 6 Laning / widening of NH	Yes	
5.6	Undertaking for indemnity against all damages and claims	Yes Enclosed	
5.7	Undertaking of management of traffic movement during laying of utility line without hampering the traffic	Yes Enclosed	
5.8	Undertaking that if any claim is raised by the concessionaire/ contractor then the same has to be paid by applicant	Yes	
5.9	Undertaking that text of the license dead is as per verbatim of MORTH format issued wide ministry's circular number : RW-NH- 33044/29/2015/S&R(R) dated: 22-11- 2016	Yes	
	Certificate from the applicant in the following format		
	"We do undertake that I/ 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 6 lining/ any other development"	Yes	
	Who will sign the agreement on behalf of water pipeline agency	Zonal manager, APIIC, IP-Ammavaripalli, Sri Satya Sai district	
6	Power of attorney to sign the agreement is available or not	Yes	
7	The project director will submit the following certificates		
	Certificate that the proposal is confirming to all standard conditions issued wide ministers circular number: RW/NH/33044/29/2015/S&R dated: 22-11-2016	Yes	
8.2	Certificate for 6 lining from PD in the following format	Yes	v
	a) Where feasibility is available "I do certify that there will be no hindrance to proposed 6 lining based on the feasibility report considering proposed structures at he said location"	7	
	b) In case feasibility report is not available " I do certify that sufficient ROW at site for accommodating proposed 6 lining <sup>#C Conse</sup>		

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10	If NH section to be proposed to be taken up by NHAI on BOI basis a clause is to be inserted in the agreement. The permitted highway on which license has been granted the right to lay water pipeline/ duct has also been granted as a right of way of to the concessionaire under the concession agreement for upgrading of (	NA	
11	Who will supervise the work of laying of water pipeline		
	a) On behalf of the applicant	Zonal manager, APIIC, IP Ammavaripalli, Sri Satya Sai district	
	b) On behalf of MORTH/NHAI	NHAI	
12	Who will ensure that the defects in road portion after lying of water pipeline are corrected and if not corrected then what action will be taken.		
	c) On behalf of the applicant	Zonal manager, APIIC, IP Ammavaripalli, Sri Satya Sai district	
	d) On behalf of NHÀI	NHAI	
13	Who will pay the claims for damages done/ disruption in working of concessionaire if asked by the concessionaire		
	On behalf of applicant	Zonal manager, APIIC, Sri Satya Sai district	
14	A certificate from PD that he will enter the proposed permission in the register of records of the permission in the prescribed Proforma	Yes	
15	If any previous approvals is accorded for laying of underground water pipeline then photocopy of register of records/ permission accorded be enclosed.	NA	





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

ZONAL MANAGER, APIIC Ltd, SRI SATYA SAI DISTRICT

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

Agreement to laying of pipe line 300mm dia. DI-K9 pipelines NH-44 from KM439/6 to KM452/1 (IP-Gudipalli to Kambalapalli Crossroad) on RHS of Hyderabad-Bangalore road section of NH-44.

This Agreement made this \_\_\_\_\_\_day of \_\_\_\_\_\_(month) 2023 of (year) between <u>NHAI</u> acting in his executive capacity through <u>Project Director</u> (hereinafter referred to as the "Authority" which expression shall unless excluded by or repugnant to the context, include his successors in office and assigns) on the one part, and APIIC Ltd, a company registered under the Companies Act, 1956 and having its Registered Office at <u>Puttaparthi</u>(hereinafter called the "Licensee") which expression shall unless excluded by repugnant to the context, include his successors/administrator assignees on the second part.

**APIIC Ltd., Puttaparthy Zone** 

**UNDRED RUP** 



Whereas the Authority is responsible, inter-alia, for development and maintenance of lands in from KM439/6 to KM452/1 of NH No.44 Row.

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

Whereas the Licensee has applied to the Authority for permission to lay utility services from Km <u>439/6 to 452/1</u> of road./route up to <u>Hyderabad-Bangalore section of NH 44.</u>

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

- 1. Row permissions are only enabling in nature. The purpose of extending the 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.
- 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 fulfillment 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.

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ZONAL MANAGER APIIC Ltd., Puttaparthy Zone

- 4. The Licensee shall pay license fees @ Rs 1594.00/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.

APIIC Ltd., Puttaparthy Zone

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 meter 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 1.20m below the top of the sub grade or the existing ground level whichever is lower, subject to being at lease 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.
  - 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.
    - a. Bedding shall be to a depth not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles, and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edges should be excavated and replaced by selected material.
    - b. The backfill shall be completed in two stages (i) Side-fill to the level of the top of the pipe (ii) Overfill to the bottom of the road crust.
    - c. The side fill shall consist of granular material laid in 15 cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.

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- d. The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highway Authority.
- 17. The Licensee shall ensure making good the excavated trench for laying utility services by proper filling and compaction, so as to restore the land in to the same condition as it was before digging the trench, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way;
- 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 meter / 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.

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- 22. The Licensee shall be responsible to ascertain from the respective agency in co- ordination with Authority, regarding the location of other utilities /underground installations/ facilities etc. The Licensee shall ensure the safety and security of alreadv 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 co- ordination 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.
- 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.

**APIIC Ltd., Puttaparthy Zone** 

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.

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- 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 co- ordination 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 authorized representatives of Authority to inspect the Project Facilities and to investigate any

mater within their Authority, and upon reasonable notice, shall provide reasonable assistance necessary to carry out their respective duties and functions.

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ZONAL MANAGER APRE Ltd., Pottsparthy Zone

- 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 not 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 50m 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.

M. Ll ZONAL MANAGER APIIC Ltd., Puttaparthy Zone

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/ NHAI/ 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 this 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 APIIC Ltd., (LICENSEE)

BY SHRI<u>M. MURALI MOHAN</u> Signature, name & address with stamp)

M. My ANS/000 ZONAL MANAGER APIIC Ltd., Puttaparthy Zone

HOLDER OF GENERAL POWER OF ATTORNEY DATED \_\_\_\_\_\_ EXECUTED IN ACCORDANCE WITH THE RESOLUTION NO \_\_\_\_\_\_ DATED\_\_\_\_\_ PASSED BY THE BOARD OF DIRECTORS IN THE MEETING HELD ON

IN THE PRESENCE OF (WITNESSES):

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# INDIA NON JUDICIAL

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2544 COLDIS 2023 450 M MUSALI MOHAN S/OM Stisama MUSMy puttaparthi Tatos 2023 450 M MUSALI MOHAN S/OM Stisama MUSMy puttaparthi Fusuham: 2010 L Manager April C Ltd. puttaparthi 2010

AFFADA VIT/UNDERTAKINGAS PER SL.No.5 OF CHECK LIST

We, Zonal Manager, APIIC office, IP Ammavaripalli, Sri Satya SaiDistrict, Andhra Pradesh are laying 300mm dia. DI-K9 pipelinesNH-44 from KM439/6 to KM452/1 (IP-Gudipalli to Kambalapalli Crossroad) on RHS of Hyderabad-Bangalore road section of NH-4412.50 Kmsalong section as a part of Providing Water Supply Project to IP-Tekuloduin Hindupur Constituency from IP-Gudipalli for a total length of 12.50Kms (12500mts) Sri Satya Sai District of AP, under the limits of NHAI.

We here by undertake to comply with the Standard Conditions of MORTH Guidelines:

- Not to damage to other utility, "if damaged then to pay the losses either to authority or to the concerned agency: Regarding the location of other cables, underground installation/utilities, etc. The Zonal Manager, APIIC office, IP Ammavaripalli,Sri Satya Sai District, Andhra Pradesh shall be responsible to ascertain from the respective agency in co-ordination with NHAI. The Zonal Manager, APIIC office, IP Ammavaripalli, Sri Satya Sai, Andhra Pradesh shall ensure the safety under security of already existing cables/underground installation/utilities facilities, etc. before commencement of the excavation.
- 2. Renewal of Bank Guarantee: The Zonal Manager, APIIC, IP Ammavaripalli, Sri Satya Sai, Andhra Pradesh shall furnish a Bank Guarantee at Rs.100/- per running meter to the NHAI, for a period of one year initially(extendable if required till satisfactory completion of work) as a security for ensuring/making good the excavated trench for laying the pipe line by proper filling and compaction, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of right of way. No payment shall be payable by NHAI Dept. to APIIC department for clearing debris/loose earth.

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In case the work contemplated here with is not completed to the satisfaction of NHAI, which has granted the permission, within a period of 11 months from the date of issue of Bank Guarantee, the APIIC Engineering Department shall furnish either a fresh Guarantee or Extended guarantee for a period of one year. In case of the APIIC Engineering Department failing to discharge the obligation of making good the excavated trench, the NH Dept. shall have a right to make good the damages caused by excavation, at the cost of theAPIIC Engineering Department and recover the amount by invoking the Bank Guarantee furnished by the APIIC Engineering Department.

#### 3. Confirming all standard conditions of MORTH:

- A. The period of validity of way permission shall be co-terminus with the validity of license given by The APIIC Engineering Department.
- B. The pipe line shall be laid at the edge of the right of way within 2 meters utility corridors.
- C. The top of the conduit pipe shall be at least 1.20 m below the surface of the road subject to being at least 0.3m below the drain inverts.
- D. The licensee has to cross the NH by horizontal drilling method (trenchless technology only) In case any damage is caused to the road in this processes, the APIIC Engineering Department will be required to restore the same to the original condition at his own cost.
- E. Existing CD works shall not be allowed for laying the pipeline and shall be caused by HDD method only.
- F. No trenching will be done on the link road, boring method will be used in link road and pipe line will be laid at the extreme edge of the road in the non-BT surface only.
- G. The licensee shall inform/give a notice to the Govt. of AP, or its authorized agency at least IS days in advance with route details prior to digging trenches for fresh or maintenance/repair work. A separate work plan and a separate performance bank Guarantee 100/- per meter length for maintenance/repair work shall have to be furnished by the APIIC Engineering Department.
- H. Each day, the extent of digging the trenches should be strictly regulated so that pipe lines 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 NHAI.
- 1. The licensee shall indemnify the concerned agency in co-ordination with NHAI against all damages and claims, if any, due to the digging of trenches for laying cables/ducts.
- J. The NH Dept. has a right to terminate the permission or to extend the period of agreement. In case APIIC Engineering Department wants shifting, repairs or alteration to pipeline, telecom cables/ducts, he will have to furnish a separate bank guarantee.
- K. The licensee shall not without prior permission in writing from the NH Dept or its authorizes agency undertake any work of shifting, repairs or alterations to the said pipe line.
- L. The permission granted shall not be anyway be deemed to convey to the APIIC Engineering Department any ownership right or any interest in route/road/highway/ land/property, either than what is herein expressly granted.
- M. During the subsistence's this agreement, the laying pipe line located in Highway land/property shall be deemed to have been constructed and continued only by the consent and permission of the NH Dept. So that the right of APIIC Engineering Department to the use of there of shall not become absolute and indefeasible by lapse of time.
- N. The APIIC Department shall be bear the stamp charged for the agreement.

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ZONAL MANAGER

APIIC Ltd., Puttaparthy Zone

- O. The pipeline shall not be brought into use by the APIIC Engineering Department unless a completion certificate to the effect that the laying telecom cables/ducts has been laid in accordance with the approved specification and drawings and the trenches have been filled upto the satisfaction of the concerned agency in co-ordination with the owner has been obtained.
- P. Not with standing anything NH Dept contained here in this agreement may be cancelled at any time by the for breach of any condition of the same and the APIIC Engineering Department 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.
- Q. The licensee shall have to provide barricading, danger lighting and other necessary caution boards while executing the work and during maintenance. If NH Dept is required to do some emergent work, APIIC Engineering Department will provide on observer within 24 hours NHAI will not be responsible for any damage of any kind by whatsoever means natural or otherwise.
- R. The enforceability of the right-of -way permission granted here in shall be restricted to the extent of provisions/scope of service contained /defined in the licensee agreement of the purpose for which it is granted. Either by content or by intent, the purpose extending this right-of way facility is not to enhance the scope APIIC Engineering Department.
- 4. Shifting of pipe line as and when required by NH Dept: The APIIC Engineering Department shall shift the pipe line within 90 days (or as specified by the respective agency/owner) from the date of issue of the notice by the NH Dept to shift /relocate the pipe lines, in case it is so required for the purpose of improvement /widening of road/route/highway or construction of flyover/bridges and restore the road/land to its original condition at his own cost and risk.
- 5. Shifting due to 6 Lining /Widening of NHAI:

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After the termination/expiry of the agreement, the APIIC Engineering Department shall remove pipe lines within 90 days and the site shall be brought back to the original condition failing which the APIIC Engineering Department shall furnish a Bank Guarantee to the owner for a period of one year for an amount assessed by the owner for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation of trenching at least 50m away from the edge of the right of way.

#### 6. Traffic movement during laying of pipeline to be managed by the applicant: If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of APIIC Engineering Department.

7. If any claim is raised by the concessionaire, then the same has to be paid by the applicant: The APIIC Engineering Department shall be solely responsible/liable for full compensation/indemnification of concerned agency/aggrieved owner for any direct, indirect or consequential damage caused to them/claims or replacement sought for, at the cost and risk of the APIIC Engineering Department .The concerned agency in co-ordination with NH Dept. shall also have a right to make good such damages/recover the claims by way of invoking of Bank Guarantee furnished by the APIIC Engineering Department. if the APIIC Engineering Department fails to comply with the conditions 5 and6 above to the satisfaction of NH Dept. the same shall be got executed by the NH Dept at the risk and cost of APIIC Engineering Department.

ZONAL MANAGER APIIC Ltd., Puttaparthy Zone

- 8. Laying of pipe line will not have any deleterious effects on any bridge components and roadway safety for traffic.
- **9.** Prior approval of the NH shall be obtained before undertaking of any work of installation, shifting or repairs or alteration to the showing pipe line located in NH ROW.
- **10.**Expenditure, if any, incurred by NH for repairing any damages caused to NH by laying, maintenance of shifting of the pipe line will be borne by us owing the line
- **11.**If NH considers it necessary in future to move utility line for any work of improvement of repairs to the road, it will be carried out as desired by NH at our cost owing the utility line within a reasonable time(not exceeding 180 days)of the intimation given and more over this proposal is for the shifting of our pipeline damaged during highway expansion work.

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Zonal Manager, APIIC Ltd, Sri Satya Sai District





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#### **INDEMNITY BOND**

Name of the work: Bulk water supply scheme to IP-Tekulodu, Chilamattur (M), Anantapuramu District, Andhra Pradesh. as Source Laying of raw water Pumping main of 300mm Dia. DI-K9 on NH-44 from Km 439/6 TO 452/1 (IP-Gudipalli to Kambalapalli (Cross road) (RHS) 12.500 Kms along with a total length of 12500 mts in the state of Andhra Pradesh.

Indemnity against all damages and claims as per Clause.No.15 of license deed

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We, Zonal manager, APIIC, Sri Satya Sai binding ourselves to pay all the losses and claims of water supply to IP-Tekulodu and laying of raw water Pumping main of 300mm Dia. DI-K9 on NH-44 from Km 439/6 TO 452/1 (IP-Gudipalli to Kambalapalli (Cross road) (RHS) 12.500 Kms along with a total length of 12500 mts in the state of Andhra Pradesh.

Maintenance thereof and against all claims, proceedings, damages, costs, charges, and expenses what so ever in respect thereof in relation there to. Failing such payments of claims in the above work we abide in accepting for recovery of such claims affected from any of our assets.

ZONAL MANAGER, APIIC, **SRI SATYA SAI DISTRICT** 





## **CERTIFICATE FOR LAYING OF PIPELINE ALONG THE ROAD**

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing Bulk water Supply scheme to IP-Tekulodu" across NH-44 from KM439/6 to KM452/1 (IP-Gudipalli to Kambalapalli Crossroad) on RHS of Hyderabad-Bangalore road section of NH-44, Hindupur, Anantapuramu District, Andhra Pradesh". We do certify that laying of water pipeline will not have any deleterious effects on any bridge components and roadways safety for traffic of NHAI.

M. M.

Zonal Manager APIIC Ltd., Puttaparthi Authorized Signatory.





### UNDERTAKING WITH HDD METHODOLOGY FOR CROSSINGS

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing Bulk Water Supply scheme to IP-Tekulodu" across NH-44 from KM439/6 to KM452/1 (IP-Gudipalli to Kambalapalli Crossroad) on RHS of Hyderabad-Bangalore road section of NH-44, Puttaparthi, Sri Satya Sai District, Andhra Pradesh". We undertake that We will use HDD methodology for crossings at village approach roads.





### UNDERTAKING WITH ANY ENCROACHMENT

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing Bulk Water Supply scheme to IP-Tekulodu" across NH-44 from KM439/6 to KM452/# (IP-Gudipalli to Kambalapalli Crossroad) on RHS of Hyderabad-Bangalore road section of NH-44, Puttaparthi, Sri Satya Sai District, Andhra Pradesh". We undertake that any encroachment available at proposed utility corridor, then the same will be removed at our own cost.

> Zonal Manager APIIC Ltd., Puttaparthi Authorized Signatory.

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## UNDERTAKING FOR EXPENDITURE

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing Bulk water Supply scheme to IP-Tekulodu" across NH-44 from KM439/6 to KM452/1 (IP-Gudipalli to Kambalapalli Crossroad) on RHS of Hyderabad-Bangalore road section of NH-44, Hindupur, Anantapuramu District, Andhra Pradesh". We do undertake that, we shall bear the expenditure, if any incurred by NHAI for repairing any damage caused to the National Highway by laying, maintenance or shifting of the APIIC Water Pipeline.

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Zonal Manager APIIC Ltd., Puttaparthi Authorized Signatory.





### **UNDERTAKING FOR PRIOR APPROVAL**

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Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing Bulk water Supply scheme to IP-Tekulodu" across NH-44 from KM439/6 to KM452/1 (IP-Gudipalli to Kambalapalli Crossroad) on RHS of Hyderabad-Bangalore road section of NH-44, Hindupur, Anantapuramu District, Andhra Pradesh". We do undertake that, we shall take the prior approval of NHAI before starting of undertaking any work of installation, shifting or repair of alteration to the APIIC Water Pipeline located in National Highway's right of the ways.





# UNDERTAKING FOR TRAFFIC MOVEMENT

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing Bulk water Supply scheme to IP-Tekulodu" across NH-44 from KM439/6 to KM452/1 (IP-Gudipalli to Kambalapalli Crossroad) on RHS of Hyderabad-Bangalore road section of NH-44, Hindupur, Anantapuramu District, Andhra Pradesh". We do undertake that we shall manage and control the ongoing traffic movement while laying our APIIC Water Pipeline laying work without hampering ongoing traffic.

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### **UNDERTAKING FOR NHAI GUIDELINES**

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Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing Bulk water Supply scheme to IP-Tekulodu" across NH-44 from KM439/6 to KM452/1 (IP-Gudipalli to Kambalapalli Crossroad) on RHS of Hyderabad-Bangalore road section of NH-44, Hindupur, Anantapuramu District, Andhra Pradesh". We do undertake that we follow and abide by all standard conditions of Ministry circulars and NHAI guidelines regarding laying of the pipeline in the National Highway land. And will follow the all latest NHAI MORTH guidelines as direction of by the NHAI.

M. Jul.

Zonal Manager APIIC Ltd., Hindupur Authorized Signatory.





# UNDERTAKING FOR WIDENING OF NATIONAL HIGHWAY

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing Bulk water Supply scheme to IP-Tekulodu" across NH-44 from KM439/6 to KM452/1 (IP-Gudipalli to Kambalapalli Crossroad) on RHS of Hyderabad-Bangalore road section of NH-44, Hindupur, Anantapuramu District, Andhra Pradesh". We do undertake that shall shift and relocate our APIIC Water Pipeline as and when required by NHAI due to future six lining/widening of National Highway at own cost and risk. We lay our pipe line along the extreme edge of the ROW i.e., in between 29mts to 30 mts from centre line of NH-44 as per instruction of NHAI.

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## UNDERTAKING FOR INDEMNITY AGAINST ALL DAMAGES

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing Bulk Water Supply scheme to IP-Tekulodu" across NH-44 from KM439/6 to KM452/1 (IP-Gudipalli to Kambalapalli Crossroad) on RHS of Hyderabad-Bangalore road section of NH-44, Hindupur, Anantapuramu District, Andhra Pradesh". We do indemnity NHAI against all damages and claims that will be incurred by NHAI while laying our APIIC water pipeline along National Highway. We undertake, won't disturb and plantation, Road furniture, cross roads, Service Roads, Approach roads, Fuel Stations, Private Properties during execution.

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### **UNDERTAKING FOR RENEWAL OF BANK GUANRANTEE**

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing Bulk water Supply scheme to IP-Tekulodu" across NH-44 from KM439/6 to KM452/1 (IP-Gudipalli to Kambalapalli Crossroad) on RHS of Hyderabad-Bangalore road section of NH-44, Hindupur, Anantapuramu District, Andhra Pradesh". We do undertaking that we shall deposit/submit the statutory fees/user charges/bank guarantee as applicable and demanded by NHAI.

We also are undertaking that Bank Guarantee shall be renewal as and when required and as directed by NHAI.

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### **UNDERTAKING FOR SHIFTING OF PIPELINE**

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing Bulk water Supply scheme to IP-Tekulodu" across NH-44 from KM439/6 to KM452/1 (IP-Gudipalli to Kambalapalli Crossroad) on RHS of Hyderabad-Bangalore road section of NH-44, Hindupur, Anantapuramu District, Andhra Pradesh". We do undertaking that we shall shift our APIIC Water Pipeline as and when required by NHAI as our own cost and risk.

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### UNDERTAKING FOR NOT TO DAMAGE ANY UTILITY

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing Bulk water Supply scheme to IP-Tekulodu" across NH-44 from KM439/6 to KM452/1 (IP-Gudipalli to Kambalapalli Crossroad) on RHS of Hyderabad-Bangalore road section of NH-44, Hindupur, Anantapuramu District, Andhra Pradesh". We do undertaking that while laying of the pipeline along the NH-44, we shall take care of the existing utilities and service lines that have been previously laid. In case of any damage, we shall pay the necessary repair charges either to NHAL of to the concerned agency.

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### **UNDERTAKING FOR PROCESS FEE PAYMENT**

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing Bulk water Supply scheme to IP-Tekulodu" across NH-44 from KM439/6 to KM452/1 (IP-Gudipalli to Kambalapalli Crossroad) on RHS of Hyderabad-Bangalore road section of NH-44, Hindupur, Anantapuramu District, Andhra Pradesh". I solemnly hereby declare that on behalf of APIIC Ltd., shall pay the necessary Process fee of Rs..... for the use of National Highway-44 land whenever the fee asked by the National Highway Authorities in

future.





### UNDERTAKING FOR REPAIR OF ROAD

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing Bulk Water Supply scheme to IP-Tekulodu" across NH-44 from KM439/6 to KM452/1 (IP-Gudipalli to Kambalapalli Crossroad) on RHS of Hyderabad-Bangalore road section of NH-44, Hindupur, Anantapuramu District, Andhra Pradesh". We do undertaking that if the NHAI considers it necessary in future to move the APIIC Water Pipeline for any work of improvement or repair to the road, if will be carried out as desired by the NHAI at the cost of APIIC within the reasonable time exceeding 60 days of the intimation given. We undertake the HDD method while crossing the existing Cross roads & Approach roads of Retail outlets, Private Properties etc., along NH-44 Road.

Zonal Manager APIIC Ltd., Puttaparthi Authorized Signatory.




# UNDERTAKING WITH RESPECT TO FUTURE SIX LANING

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing Bulk Water Supply scheme to IP-Tekulodu" across NH-44 from KM439/6 to KM452/1 (IP-Gudipalli to Kambalapalli Crossroad) on RHS of Hyderabad-Bangalore road section of NH-44, Hindupur, Anantapuramu District, Andhra Pradesh". We do undertaking that we will relocate service road/approach road/Utilities ay my own cost notwithstanding the permission granted within such time as will stipulated by NHAI for future six lining any other development. We do undertaking that we will use HDD methodology as per norms fixed by the NHAI for crossing roads of NH, if any

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Zonal Manager APIIC Ltd., Puttaparthi Authorized Signatory.



#### Methodology adopted for laying of pipe line

- 1 After thorough study of entire stretch of proposed pipeline laying, we have proposed to lay our pipe line along the road from Km 439.600 to Km 452.100 on RHS for a total length of 12500 Mts by open trench method along NH-44.
- 2 We have proposed to lay our pipeline at 0.5 to 1.0 m from the extreme boundary according to the availability of space.

#### Protection technology in case of culverts /canals

1. Pipeline invert level will be kept above the water level in the drains or culverts by constructing abutments and thrust blocks at the ends and middle if necessary. However the same shall be discussed with the NHAI officials on case to case basis and pipe routing shall be decided as per their advice.

#### Methods

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- 1. Open trench include Manual and Machine trenching
- 2. Trenchless technology by Horizontal Directional Drilling (HDD) Method
- 3. Bridge Crossing Open trench method:

#### Open trench method:

There will be a continuous digging following a single line in an open trench. The depth of the trench will be 1.2m in the normal soil condition. Open trench will be carried out manually and with machines. Cross section of the trench is attached herewith. Trench will be in ROW limits and will be marked with lime powder to keep it straight. Trench will be barricaded with safety signs. This method will be used wherever normal soil is available for open trench. Trench will be laid clear of drains, service roads, truck lay bays wherever existing on the Highways. In case of Hilly terrain pipeline laying will be done by breaking the hard rock with means of Pneumatic breaker by following safety measures and the excavated trench will be backfilled with borrowed soil.

<u>Backfilling:</u> Backfilling shall be done with well compacted Granular material after ensuring soft material padding. Adequate dry compaction shall be done before crowning. Compaction shall be done in layers of 15 cm each. The trench shall be filled up to the required height of 1.2m measured from top of pipe trench cross section drawing attached in the proposal. A crown of 250mm shall be made at top of backfilled trench to cater for soil settlement. No surplus soil shall be left outside the trench. Entire area shall be restored and debris removed and disposed off in a safe manner and in line with requirements of the authority having jurisdiction over the area.

M. L.Q. ZONAL MANAGE APIIC Ltd., Puttaparthy Zone

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#### Methodology adopted for laying of pipeline

#### Installation of pipeline in crossings by Trenchless Techniques(HDD)

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For the process of HDD excavation of only 2 pits each of standard size 1.5x0.5x1.65 is required which is called entry pit and exit pit on outside ROW. Pit size may vary based on site condition. The first stage drills a pilot hole on the designed path, and the second stage (reaming) enlarges the hole by passing a larger cutting tool known as reamer. The reamer's diameter depends on the size of the duct to be pulled back through the bore hole. The driller increases the diameter according to the outer diameter or the conduit and to achieve optimal production. The third stage places the duct in the enlarged hole by the way of the drill stern. It is pulled behind the reamer to allow cantering of the duct in the newly renamed path. Pit site may vary based on site condition. Entry and exit pits shall be dug at both ends of the segment which shall later on become either a location for manhole/handhole. The drilled hole profile between entry and exit pits (except transition areas) shall be as straight as possible.

20NAL MANAGER APHS Ltd., Puttaparthy Zone



Methodology adopted for laying of pipeline



#### SINGLE ROAD CROSSTNG BY MOILING / BORING

#### Water Body Crossing

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water bodies and other natural obstructions can be crossed by open-cut method without using existing infrastructures such as bridges and culverts depending upon the availability of permissions from concerned authorities. In the cases, pipe line laying technique shall be such that protection of DI Pipe line is ensured. Necessary protection will be provided.

## crossings cross roads, Approach Road, Acceleration & Deceleration Lanes and Fuel station Roads

No trenching will be done on the link road, boring methods will be used for crossing the cross road, Approach roads, Acceleration & Deceleration lanes and Fuel station roads. Pipeline will be laid at the extreme edge of the road in the non-BT surface only.

#### Crossing of a small river or channel by HDD

Open cut method is used when installation on bridge / culvert is not available. This method however is more suited to seasonal water bodies (prone to flowing water such as nala/ stream / river/ canal etc.) which may be completely/partially dry during installation period. This method can also be used for small water bodies where it is possible divert water for short period of installation.

Note: Trench Technology will be used (e.g.: HDD) where ever available ROW is restricted and utility corridors cannot be conveniently earmarked.

APIIC Ltd., Puttaparthy Zone





**GOVERNMENT OF ANDHRA PRADESH** 

## Unit Rates Village Wise

District Name		Mandal Name	City/Town/Village	Survey No.
		SOMANDEPALLE GUDIPALLE		Select
S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre	Effective Date (dd/mm/yyyy)
1,	GUDIPALLE	Dry land	130,000	10/08/2020
2.	PETAKUNTA	Dry land	130,000	10/08/2020
3.	GUDIPALLE	Wet Land double crop	130,000	10/08/2020
4.	PETAKUNTA	Wet Land double crop	130,000	10/08/2020
5.	GUDIPALLE	Coconut Garden	130,000	10/08/2020
6.	PETAKUNTA	Coconut Garden	130,000	10/08/2020
7.	GUDIPALLE	House Sites	1,452,000	10/08/2020
8.	PETAKUNTA	House Sites	1,452,000	10/08/2020
9.	GUDIPALLE	Agricultural Land fit for H.S.	1,064,800	10/08/2020
10.	PETAKUNTA	Agricultural Land fit for H.S.	1,064,800	10/08/2020
11.	GUDIPALLE	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2020
12.	PETAKUNTA	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2020

Back

#### Note :

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2.For further details contact Sub Registrar officePENUKONDA,1/253,Court Road, Penukonda

Penukonda Phone : 220278



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**GOVERNMENT OF ANDHRA PRADESH** 

## Unit Rates Village Wise

		tal Name	City/Tow	/n/Village		Survey No.		
		RANTLA	MUDRAM )	JDRAM Select				
S.No.	Habitati	on	Nature	e Of Use	Land Ra Rs. per A		Effective Date (dd/mm/yyyy)	
1	PALASUMDR	АМ	Dry land		275,000		10/08/2020	
2.	PALASUMDR	AM	Wet Land crop	double	275,000		10/08/2020	
3.	PALASUMDR	AM	Coconut (	Garden	275,000		10/08/2020	
4.	PALASUMDR	AM	House Sit	es	1,936,000		10/08/2020	
5.	BELLACHEURVU		Agricultural Land fit for H.S.		950,000		10/08/2020	
6.	KOTHURU		Agricultura for H.S.	al Land fit	950,000		10/08/2020	
7.	MISSION THA	NDA	Agricultural Land fit for H.S.		950,000		10/08/2020	
8.	PALASUMDRAM		Agricultura for H.S.	al Land fit	950,000		10/08/2020	
9.	POPPANNAP. THANDA	ALLE	Agricultura for H.S.	al Land fit	950,000		10/08/2020	
10.	SAMALAPALL	E	Agricultura for H.S.	al Land fit	950,000		10/08/2020	
11,	MISSION THA	NDA	Land abut NH/SH/ZF		770,000		10/08/2020	
12.	POPPANNAP THANDA	ALLE	Land abut NH/SH/ZF		770,000		10/08/2020	
13.	SAMALAPALL	SAMALAPALLE Land abutting NH/SH/ZPP/MPP			770,000		10/08/2020	
4.	PALASUMDR	AM	Land abut		770,000		10/08/2020	
5.	BELLACHEUF	RVU	Land abut NH/SH/ZF	-	770,000		10/08/2020	
6.	KOTHURU		Land abut NH/SH/ZF	_	770,000		10/08/2020	



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2.For further details contact Sub Registrar office **CHILAMATHUR**.

3/634,Main Bazar

, Chilamathur

Chilamathur

Phone: 242557







GOVERNMENT OF ANDHRA PRADESH

## Unit Rates Village Wise

		3I Name			Survey No.		
		ANTLA			Select		
S.No.	Habitati	on	Nature	Of Use	Land Ra Rs. per A		Effective Date (dd/mm/yyyy)
1,	VADIGEPALL	E	Dry land		200,000		10/08/2020
2.	VADIGEPALLI	E	Wet Land crop	double	200,000		10/08/2020
3,	VADIGEPALL	E	Coconut C	Garden	200,000		10/08/2020
4.	VADIGEPALL	E	House Sit	es	1,936,000		10/08/2020
5.	b p nadimi Thanda		Agricultura for H.S.	al Land fit	950,000		10/08/2020
6.	BATHAPALLE		Agricultura	al Land fit	950,000		10/08/2020
7.	BOYALAPALLE		Agricultural Land fit for H.S.		950,000		10/08/2020
8.	BUDDAPALLE		Agricultural Land fit for H.S.		950,000		10/08/2020
9.	GOLLAPALLE	:	Agricultural Land fit for H.S.		950,000		10/08/2020
10.	PULLAGURL	APALLE	Agricultur for H.S.	al Land fit	950,000		10/08/2020
11.	VADIGEPALL	E	Agricultur for H.S.	al Land fit	950,000		10/08/2020
12.	VENKATAPUI	RAM	Agricultur for H.S.	al Land fit	950,000		10/08/2020
13.	B P NADIMI THANDA			tting PP/MPP	720,000		10/08/2020
14.	BATHAPALLE		Land abu NH/SH/ZI	•	720,000		10/08/2020
15.	BOYALAPALI	.E	Land abu NH/SH/ZI		720,000		10/08/2020
16.	BUDDAPALLI	=	Land abu NH/SH/ZI		720,000		10/08/2020



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S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre	Effective Date (dd/mm/yyyy)
18.	PULLAGURLAPALLE	Land abutting NH/SH/ZPP/MPP	720,000	10/08/2020
19.	VENKATAPURAM	Land abutting NH/SH/ZPP/MPP	720,000	10/08/2020
20.	VADIGEPALLE	Land abutting NH/SH/ZPP/MPP	720,000	10/08/2020

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2.For further details contact Sub Registrar office

CHILAMATHUR,

3/634,Main Bazar

, Chilamathur

Chilamathur

Phone: 242557





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**GOVERNMENT OF ANDHRA PRADESH** 

## Unit Rates Village Wise

District Name Mandal SRI SATHYA SAI GORAN		Name	City/Town/\	/illage	Survey No.		
		NTLA	BUDIL	. [	Select #To view Burvey No. Wise Details		
S.No.	Habita	tion	Nat	Nature Of Use		te Effective Date cre (dd/mm/yyyy)	
1.,	BUDILI		Dry lar	nd	200,000	10/08/2020	
2.	BUDILI		Wet La crop	and double	200,000	10/08/2020	
3.	BUDILI		Cocón	ut Garden	200,000	10/08/2020	
4.	BUDILI		House	Sites	1,936,000	10/08/2020	
5.	BUDILI		_	Agricultural Land fit for H.S.		10/08/2020	
6.	BUDILI THANDA		-	Agricultural Land fit for H.S.		10/08/2020	
7.	CHINNARAP	CHINNARAPPALLE		Agricultural Land fit for H.S.		10/08/2020	
8.	CHINTHALAPALLE		Agricultural Land fit for H.S.		950,000	10/08/2020	
9.	GANGADEV	PALLI	Agricultural Land fit for H.S.		950,000	10/08/2020	
10.	GOLLAPALL	GOLLAPALLE Agricultural for H.S.		ltural Land fit S.	950,000	10/08/2020	
11.	GUTHIVARIF			ARIPALLE Agricultural Land fit for H.S.		950,000	10/08/2020
12.	KAGANAPAL			AGANAPALLE Agricultural Land fit for H.S.		950,000	10/08/2020
13.	KALAKUNTA	PALLE	Agricu for H.S	Iltural Land fit S.	950,000	10/08/2020	
14.	NARSIMPAL	LE	Agricu for H.S	iltural Land fit S.	950,000	10/08/2020	
15.	PAPIREDDIF	PALLI	Agricu for H.S	ultural Land fit S.	950,000	10/08/2020	
16.	RAMANNAP	ALLE	Agricu for H.	ultural Land fit S.	950,000	10/08/2020	



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S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre	Effective Date (dd/mm/yyyy)
18.	THAMMINAYARIPALLE	Agricultural Land fit for H.S.	950,000	10/08/2020
19.	YERRABALLI	Agricultural Land fit for H.S.	950,000	10/08/2020
20.	BALANNAGARIPALLE	Agricultural Land fit for H.S.	950,000	10/08/2020
21.	BUDIDAGADDAPALLE	Agricultural Land fit for H.S.	950,000	10/08/2020
22.	THAMMINAYARIPALLE	Land abutting NH/SH/ZPP/MPP	250,000	10/08/2020
23.	YERRABALLI	Land abutting NH/SH/ZPP/MPP	250,000	10/08/2020
24.	NARSIMPALLE	Land abutting NH/SH/ZPP/MPP	250,000	10/08/2020
25.	PAPIREDDIPALLI	Land abutting NH/SH/ZPP/MPP	250,000	10/08/2020
26.	RAMANNAPALLE	Land abutting NH/SH/ZPP/MPP	250,000	10/08/2020
27.	REDDICHERUVUPALLE	Land abutting NH/SH/ZPP/MPP	250,000	10/08/2020
28.	BALANNAGARIPALLE	Land abutting NH/SH/ZPP/MPP	250,000	10/08/2020
29.	BUDIDAGADDAPALLE	Land abutting NH/SH/ZPP/MPP	250,000	10/08/2020
30.	BUDILI	Land abutting NH/SH/ZPP/MPP	250,000-	10/08/2020
31.	BUDILI THANDA	Land abutting NH/SH/ZPP/MPP	250,000	10/08/2020
32.	CHINNARAPPALLE	Land abutting NH/SH/ZPP/MPP	250,000	10/08/2020
33.	CHINTHALAPALLE	Land abutting NH/SH/ZPP/MPP	250,000	10/08/2020
34.	GANGADEVIPALLI	Land abutting NH/SH/ZPP/MPP	250,000	10/08/2020
35.	GOLLAPALLE	Land abutting NH/SH/ZPP/MPP	250,000	10/08/2020
36.	GUTHIVARIPALLE	Land abutting NH/SH/ZPP/MPP	250,000	10/08/2020
37.	KAGANAPALLE	Land abutting NH/SH/ZPP/MPP	250,000	10/08/2020
38.	KALAKUNTAPALLE	Land abutting	250,000	10/08/2020



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GOVERNMENT OF ANDHRA PRADESH

## Unit Rates Village Wise

		Mandal Name	City/To	wn/Village	Survey No.
		CHILAMATHUR	ILAMATHUR SETT		Select A To view Survey No. Wise Details
S.No.	Habitatio	n Nature (	Of Use	Land Rate Rs. per Acre	Effective Date (dd/mm/yyyy)
1.	SETTIPALLE	Dry land		370,000	10/08/2020
2.	SETTIPALLE	Wet Land do	ouble crop	370,000	10/08/2020
3.	SETTIPALLE	Coconut Ga	rden	370,000	10/08/2020
4.	SETTIPALLE	House Sites		1,936,`000	10/08/2020
5.	BEEDAREDD PALLI	Agricultural H.S.	Land fit for	950,000	10/08/2020
6.	kambaiahg, Palli	ARI Agricultural H.S.	Land fit for	950,000	10/08/2020
7.	PEDDANA PA	ALLI Agricultural H.S.	Land fit for	950,000	10/08/2020
8.	SETTIPALLE	Agricultural H.S.	Land fit for	950,000	10/08/2020
9.	Thimmamidi Palli			950,000	10/08/2020
10.	SETTIPALLE	Land abuttin	-	720,000	10/08/2020

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2.For further details contact Sub Registrar officeCHILAMATHUR,3/634,Main Bazar, ChilamathurChilamathur



Phone: 242557

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GOVERNMENT OF ANDHRA PRADESH

# Unit Rates Village Wise

Dist	trict Name	Manda	II Name	City/Tow	n/Village		Survey No.
SRI SATHYA SAI CHILAN		IATHUR KODUR		DUR		elect view Survey No. Wise Details	
						-	- The state
S.No.	Habitati	on	Nature			to ore	Effective Date (dd/mm/yyyy)
L.	KODUR		Dry land		500,000		10/08/2020
2.	KODUR		Wet Land crop	double	500,000		10/08/2020
3.	KODUR		Coconut G	arden	500,000		10/08/2020
4.	KODUR		House Site	es	2,500,000		10/08/2020
5.	CHINAPAREI PALLI	CHINAPAREDDI PALLI		I Land fit	2,500,000		10/08/2020
6.	DIGUVAPALL THANDA	E	Agricultural Land fit for H.S.		2,500,000		10/08/2020
7.	HUDDAPPALLE		Agricultura for H.S.	al Land fit	2,500,000	)	10/08/2020
8.	KAMBALA PALLE		Agricultura for H.S.	al Land fit	2,500,000	)	10/08/2020
9.	KANISETTI F	PALLE	Agricultural Land for H.S.		2,500,000	)	10/08/2020
10.	KODUR		Agricultura for H.S.	al Land fit	3,388,000	)	10/08/2020
11.	KOTLA PALLE		Agricultura for H.S.	al Land fit	2,500,000	C	10/08/2020
12.	MADHUREP	ALLE	Agricultura for H.S.	al Land fit	2,500,000	D	10/08/2020
13.	MORAM PAL	LE	Agricultur for H.S.	al Land fit	2,500,000	0	10/08/2020
14.	NALLARELL	A PALLE	Agricultur for H.S.	al Land fit	2,500,00	0	10/08/2020
15.	THUMMALA PALLE	KUNTA	Agricultur for H.S.	al Land fit	2,500,00	0	10/08/2020
16.	VADDIPALL		Agricultur for H.S.	al Land fit	2,500,00	0	10/08/2020
17.	KODUR		Land abu		770,000		10/08/2020



**GOVERNMENT OF ANDHRA PRADESH** 

## Unit Rates Village Wise

District Name Manda			al Name	City/To	wn/Village	Survey No.
SRI SATHYA SAI CHILAN		MATHUR	MATHUR KODUR		Select	
S.No.	Habitatio	n	Nature	Of Use	Land Rate Rs. per Acre	Effective Date (dd/mm/yyyy)
1.	KODUR		Dry land		500,000	10/08/2020
2.	KODUR		Wet Land of crop	double	500,000	10/08/2020
3.	KODUR		Coconut G	arden	500,000	10/08/2020
4.	KODUR		House Site	S	2,500,000	10/08/2020
5.	CHINAPAREDI PALLI	DI	Agricultural Land fit for H.S.		2,500,000	10/08/2020
6.	DIGUVAPALLE THANDA		Agricultura for H.S.	I Land fit	2,500,000	10/08/2020
7.	HUDDAPPALL	E	Agricultura for H.S.	I Land fit	2,500,000	10/08/2020
8.	KAMBALA PALLE		Agricultural Land fit for H.S.		2,500,000	10/08/2020
9.	KANISETTI PA	LLE	Agricultura for H.S.	I Land fit	2,500,000	10/08/2020
10.	KODUR		Agricultura for H.S.	I Land fit	3,388,000	10/08/2020
11.	KOTLA PALLE		Agricultura for H.S.	Land fit	2,500.000	10/08/2020
12.	MADHUREPAL	LE	Agricultura for H.S.	al Land fit	2,500,000	10/08/2020
13.	MORAM PALLE		Agricultural Land fit for H.S.		2,500,000	10/08/2020
14.	NALLARELLA	PALLE	Agricultura for H.S.	al Land fit	2,500,000	10/08/2020
15.	THUMMALAKU PALLE	JNTA	Agricultura for H.S.	al Land fit	2,500,000	10/08/2020
16.	VADDIPALLE		Agricultura for H.S.	al Land fit	2,500,000	10/08/2020



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Pe	rmission for laying lyi	ing of pipeline b	y APIIC in the	Calc stretch from Km	439.600 to Ki Andhra Pr	m 452.100 on	e Fees Hyderabad Bangalore	section of NH 44 (old NH-7)	in the State of
Si.No	Location	Chanaige	ge (in Km)	Length (In Mtrs)	Width (In Mtrs)	Utilized NH Land Area	Prevailling Circle rate of Land in Rs./Acre (As per Revenue	Prevailling Circle rate of Land in Rs./Sq.Mtrs (Rate per	Amount
		From	From To		(In Sq.Mtrs)	Records)	Acre/4046.86		
1	2	3	4	5	6	7(5*6)	8	9	10(7*9)
	Gudipalli	439.600	441.200	1600	0.3	480	500000	123.55	The address of the second s
	Palasamudram	441.200	445.200	4000	0.3	1200	770000		59,305
3	Vadigepalli	445.200	447.800	2600	0.3	780	720000	190.27	2,28,325
4	Budili	447.800	450.500	2700	0.3	810	250000	177.92	1,38,774
5	Settipalli	450.500	451.900	1400	0.3	420	720000	61.78	50,039
6	Koduru	451.900	452.100	200	0.3	60	770000	177.92	74,725
					0.0	00	770000	190.27	11,416
						17	onnes Foo (De JOse Mare)	thing proposition	5,62,584
						LIC		th)=Rs.562584/(10*12)	4,688
		For Pul	olic utility 33%	of Industrial	ility on one Ma	DTU No.DM	License Fee	for 5 Years=4688*5*12	2,81,292
			one starty 5570	or muustrial ut	miny as per ivio	IN INO:RW/P	vH-33044/29/2015/S&F	R(R) Dated:22.11.2016	92,826
					_				92,826

Performa	nce bank Guarantee Amount calculation
Amount of Performance Bank Guarantee to be submitted = Total No. of rou	temeters X Rs. 100/- per route meter (<=300 mm dia/width)
i.e., 12500 X Rs. 100/- = 12,50,000/-	
Performance bank Guarantee Amount = 12,50,000/-	





ZONAL MANAGEN APTIC L.M. Puttaparthy Zong





















