



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

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

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

Regional Office : D.No. 41-29-45A, R.S.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/APIIC/ATP/2023-24/ 2318

June 16, 2023.

### INVITATION OF PUBLIC COMMENTS

Sub: NHAI, RO, Vijayawada - 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 415.500 to Km 441.000 (RHS) (From KIA Motors to Palasamudram junction) totalling to a length of 25500m - Public comments - Reg.

The Project Director, PIU - Ananthapur submitted a proposal of M/s. A. P. Industrial Infrastructure Corporation Limited, Govt. of Andhra Pradesh along NH-44 in the state of Andhra Pradesh from Km 415+500 to Km 441+000 on section of Hyderabad - Bangalore, totalling to a length of 25500m in Sri Satya Sai District of Andhra Pradesh.

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

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

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

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



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)  
**NATIONAL HIGHWAYS AUTHORITY OF INDIA**  
(Ministry of Road Transport & Highways, Government of India)



परियोजना कार्यान्वयन इकाई - अनंतपुर  
# 6-4-239, 3rd क्रॉस, मरुति नगर, अनंतपुर  
**PROJECT IMPLEMENTATION UNIT - ANANTHAPUR**

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

टेली / Tele : 91-8554-275599 ई-मेल / Email : ananthapur@nhai.org, nhaiptuatp@gmail.com

NHAI/PIU-ATP/11021/23/NOC/0606

16.06.2023

**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 415.500 to Km 441.000 (RHS) (From KIA Motors to Palasamudram junction) - submitted- Approval- Requested- reg.,

- Ref:**
1. This office letter no.0575 dtd 07.06.2023.
  2. Zonal Manager, APIIC Ltd, Puttaparthi letter no.APIIC/ZO/PTP/BWS-NACIN/2023 dtd 05.06.2023
  3. This office letter no.0484 dtd 10.05.2023.
  4. This office letter no.0466 dtd 03.05.2023.
  5. DPR Consultant, M/s Aarvee Associates letter no.0714 dtd 29.04.2023.
  6. This office letter no.0445 dtd 25.04.2023.
  7. Zonal Manager, APIIC Ltd, Puttaparthi letter no. 1417 dtd 14.03.2023

Sir,

This has reference to this office letter cited under reference (4) above, vide which keeping in view of observations received from DPR Consultant vide their letter cited under reference (5) above, it was requested to conduct a joint site inspection along with the representatives of APIIC, DPR Consultant, Supervision consultant of NHAI for finalising the feasible locations towards laying of proposed pipeline and for examining the possible alternate routes.

2. In this regard, the officials of APIIC (ZM, DE) & NHAI (Site Engineer, 6 laning DPR consultant, Supervision Consultant) has jointly inspected the subject stretch on 09.05.2023 and found that there were existing utilities viz., water supply pipelines, Electric lines etc., along the proposed stretch.
3. Further, observations & comments from NHAI on the proposal noted during the site inspection on 09.05.2023 were as below,

- (a) Total length of 25.5 Kms is proposed on RHS for laying of new pipeline of 150mm dia. by APIIC Department. However, it was observed that there were existing pipelines of APIIC with 350mm dia. & Public Health departments with 900mm dia. in 23.5 Kms length (out of 25.5 Kms), which needed to be shifted to extreme edge of ROW by concerned departments. Further, existing Hilly terrain in a length 4.5 Kms was observed, due to which it would be difficult in laying of pipeline. As such, APIIC has to take responsibility for laying of pipeline in hilly terrain.

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- (b) As there are already existing pipelines of both 900mm & 350mm dia in 23.5kms length, the laying of additional pipeline with 150mm dia. in the available utility corridor of NHAI with 2mts width in extreme edge of ROW is not possible.
- (c) Further, NHLML (100% subsidiary of NHAI) has proposed construction of utility duct for OFC Cables on LHS in the utility corridor of entire subject stretch for which the work awarded and agency also mobilized at site. As such, utility corridor for laying new utilities would not be available on LHS.
- (d) Therefore, APIIC was requested to explore the possibility of laying pipeline on top or bottom of existing utility i.e., in two tire system keeping in view the future maintenance of pipelines. It was also requested to explore the possibility of combining both previous pipeline of 350mm dia & proposed pipeline of 150mm dia and replace the old 350mm dia pipeline with 500mm dia single pipeline instead of two pipelines.
- (e) As such, the laying of pipelines in a length of 23.5 Kms on RHS cannot be allowed by NHAI. Therefore, APIIC may propose it to be laid under the newly proposed service road on RHS by construction of concrete ducts, having width not less than one lane (3.5m), which would be designed to carry traffic on top as per clause 2.6 of MoRT&H Guidelines F.No.RW/NH-33044/29/2015 /S&R(R) dated 22.11.2016.

4. Further, during the review meeting held by Joint Collector, Sri Satya Sai district on 10.05.2023 in Collectorate, Sri Satya Sai district along with Project Director & Site Engineer of NHAI, Zonal Manager, APIIC, the above said observations in Para-3 were discussed in detail and the Joint Collector has instructed APIIC for considering the below mentioned options and to submit the proposal accordingly,

- (a) As APIIC has already laid water pipeline of 350mm dia. along the newly proposed stretch upto Km 439.200 on RHS and keeping in view of non availability of enough width of utility corridor in the length where old water pipelines were already laid, Joint Collector has instructed APIIC to extend the old pipeline upto Km 441.000 (i.e., to submit the proposal for an additional length of 1.8 Kms instead of 25.5 Kms)
- (b) NHAI has informed that due to non laying of old pipeline in utility corridor at certain locations of subject stretch by APIIC, NHAI has already requested APIIC to shift old pipeline into extreme edge of ROW i.e., in utility corridor. In this regard, APIIC has informed that the proposal towards shifting of old pipeline to extreme edge of ROW is already sent to their Head Office and consideration of the same is in progress. As such, Joint Collector has instructed APIIC that during the shifting of old pipeline of 350mm dia, the possibility of laying by combining both pipelines of 350mm (existing) & 150mm (proposed) parallelly(or) possibility of laying single pipeline with 500mm dia. (i.e., by merging both 350mm & 150mm dia) may be considered.

5. In view of above, based on the site inspection & review meeting held with Joint Collector, this office vide letter cited under reference (3) above has requested the APIIC to modify the proposal and re-submit the same as per available ROW and with all the relevant documents as per MoRT&H Guidelines dated 22.11.2016 to PD NHAI for consideration of approval by Competent Authority of NHAI, keeping in view of proposed 6 laning, OFC duct, existing site restrictions & utilities on RHS.
6. In this connection, the Zonal Manager, APIIC Ltd, Puttaparthi vide letter under reference 2<sup>nd</sup> cited above has submitted the proposal for laying of underground water supply pipeline along NH-44 from Km 415.500 to Km 441.000 on RHS (From KIA Motors to Palasamudram junction) for a length of 25500m along Hyderabad - Bangalore Section of NH 44 along with compliance as detailed below and sought the approval.
- a) In reference to PD, NHAI letter no. 484 dtd 10.05.2023 & as per the discussions held at the office of Joint Collector, Sri Satya Sai district, APIIC has submitted that, keeping in view of already existing pipeline of APIIC from Km 416.200 to Km 439.200 on RHS, proposed 6 laning of the proposed stretch and due to ROW restriction due to availability of already laid pipelines along the proposed stretch, they undertake to adopt the two tire system for laying the present proposed pipeline of 150mm dia beneath the ground level with 1.7m depth & above that already existing pipeline of 350mm dia in 1.2m depth below ground level (Typical Cross section showing the two pipelines are enclosed).
- b) As such, APIIC has informed that after obtaining the receipt of approval for laying of new pipeline of 150mm dia in 1.7m depth from NHAI and after completing the laying activities at site by APIIC, as per the instructions received from PD, NHAI towards shifting the old pipeline of 350mm dia to extreme edge of ROW at our own cost, the same (350mm dia old pipeline) entire pipeline will be shifted to the extreme edge of ROW parallel to the newly laid pipeline of 150mm dia in two tyre system.
- c) APIIC has also undertaken that they will lay the pipeline in hilly areas for a length of 4.5Kms at their own risk & cost in the extreme edge of ROW of NHAI by taking necessary permissions form all the other departments, if any required to lay pipeline along the hilly areas.
7. As such, this office vide letter cited under reference 1<sup>st</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.
8. In this connection, the proposal to be considered is as under.
- (a) Length of pipeline to be laid : 25500 m
- (b) Depth at which pipeline proposed to be laid : 3.0m/1.7m from ground level





(c) Location to be laid (strip plan)

In the utility corridor  
/ Right of way of NHAI

9. Following particulars are furnished by the Applicant with the proposal.
- (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
10. Further, DPR Consultant vide their letter no.1482 dtd 29.05.2023 & Supervision Consultant vide their letter no 162 dtd 08.06.2023 (**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(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.415.500 to Km.441.000 RHS (From KIA Motors to Palasamudram junction) for a length of 25.5km in available utility corridor of the subject stretch.
11. 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 1.7m depth along proposed stretch.
12. Further, the consultant appointed for the proposed half clover leaf interchange, M/s MSV International Inc., vide their mail dtd 09.06.2023 has informed that keeping in view of proposed loops of half clover leaf on RHS, the consultant has suggested to maintained a minimum depth of 2.5m from the ground level to lay the pipeline (TCS enclosed).
13. In this connection, ZM, APIIC vide letter dtd 09.06.2023 has undertaken that their proposed 150mm dia & existing (old) 350mm dia. Pipelines from Km 415.500 to Km 416.400 (i.e., for 900 mts length) will be laid at a minimum depth of 2.5 mts (**Typical Cross section enclosed**) from the ground level in two tire system in the extreme edge of ROW i.e., in utility corridor. Further, the pipelines from Km 416.400 to Km 441.000 (i.e., for 24.6 Kms length) will be laid at a depth of minimum 1.2m below ground level in the extreme edge of ROW i.e., in utility corridor, for which TCS was already submitted.
14. 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.

15. 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 415.500 to Km 441.000 on RHS (From KIA Motors to Palasamudram junction) by Zonal Manager, APIIC Ltd, Puttaparthi for a length of 25500 m.

Yours faithfully

Encl: As above (1 set of proposal)

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



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
(Ministry of Road Transport & Highways, Government of India)  
**NATIONAL HIGHWAYS AUTHORITY OF INDIA**



परियोजना कार्यान्वयन इकाई - अनंतपुर  
# 6-4-239, 3rd क्रॉस, मारुथी नगर, अनंतपुर  
**PROJECT IMPLEMENTATION UNIT - ANANTHAPUR**

NHAI/PIU-ATP/11021/23/100/0184  
# 6-4-239, 3rd Cross, Maruthi Nagar, Ananthapur - 515 004.  
E-mail : anantapur@nhai.org, nhaiatp@gmail.com

10.05.2023

Zonal Manager  
APIIC Limited  
Zonal Office, Near KIA Motors  
Duddebanda Cross  
Erramanchi - 515 164  
Email Id: [zm-hindupur@apiic.in](mailto:zm-hindupur@apiic.in)

**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 415.500 to Km 441.000 (RHS) (From KIA Motors to Palasamudram junction) - submitted- Approval- Requested- reg.,

**Ref:** 1. This office letter no.0466 dtd 03.05.2023.  
2. DPR Consultant, M/s Aarvee Associates letter no.0714 dtd 29.04.2023.  
3. This office letter no.0445 dtd 25.04.2023.  
4. Zonal Manager, APIIC Ltd, Puttaparthi letter no. 1417 dtd 14.03.2023

**Sir,**

This has reference to this office letter cited under reference (1) above, vide which keeping in view of observations received from DPR Consultant vide their letter cited under reference (2) above, it was requested to conduct a joint site inspection along with the representatives of APIIC, DPR Consultant, Supervision consultant of NHAI for finalising the feasible locations towards laying of proposed pipeline and for examining the possible alternate routes.

2. In this regard, the officials of APIIC (ZM, DE) & NHAI (Site Engineer, 6 laning DPR consultant, Supervision Consultant) has jointly inspected the subject stretch on 09.05.2023 and found that there were existing utilities viz., water supply pipelines, Electric lines etc., along the proposed stretch.
3. Further, observations & comments from NHAI on the proposal noted during the site inspection on 09.05.2023 were as below,
  - (a) Total length of 25.5 Kms is proposed on RHS for laying of new pipeline of 150mm dia. by APIIC Department. However, it was observed that there were existing pipelines of APIIC with 350mm dia. & Public Health departments with 900mm dia. in 23.5 Kms length (out of 25.5 Kms), which needed to be shifted to extreme edge of ROW by concerned departments. Further, existing Hilly terrain in a length 4.5 Kms was observed, due to which it would be difficult in laying of pipeline. As such, APIIC has to take responsibility for laying of pipeline in hilly terrain.
  - (b) As there are already existing pipelines of both 900mm & 350mm dia in 23.5kms length, the laying of additional pipeline with 150mm dia. in the available utility corridor of NHAI with 2mts width in extreme edge of ROW is not possible.
  - (c) Further, NHLML (100% subsidiary of NHAI) has proposed construction of utility duct for OFC Cables on LHS in the utility corridor of entire subject stretch for which the work awarded and agency also mobilized at site. As such, utility corridor for laying new utilities would not be available on LHS.
  - (d) Therefore, APIIC was requested to explore the possibility of laying pipeline on top or bottom of existing utility i.e., in two tire system keeping in view the future

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maintenance of pipelines. It was also requested to explore the possibility of combining both previous pipeline of 350mm dia & proposed pipeline of 150mm dia and replace the old 350mm dia pipeline with 500mm dia single pipeline instead of two pipelines.

- (e) As such, the laying of pipelines in a length of 23.5 Kms on RHS cannot be allowed by NHAI. Therefore, APIIC may propose it to be laid under the newly proposed service road on RHS by construction of concrete ducts, having width not less than one lane (3.5m), which would be designed to carry traffic on top as per clause 2.6 of MoRTH Guidelines F.No.RW/NH-33044/29/2015 /S&R(R) dated 22.11.2016.

4. Further, during the review meeting held by Joint Collector, Sri Satya Sai district on 10.05.2023 in Collectorate, Sri Satya Sai district along with Project Director & Site Engineer of NHAI, Zonal Manager, APIIC, the above said observations in Para-3 were discussed in detail and the Joint Collector has instructed APIIC for considering the below mentioned options and to submit the proposal accordingly,

- (a) As APIIC has already laid water pipeline of 350mm dia. along the newly proposed stretch upto Km 439.200 on RHS and keeping in view of non availability of enough width of utility corridor in the length where old water pipelines were already laid, Joint Collector has instructed APIIC to extend the old pipeline upto Km 441.000 (i.e., to submit the proposal for an additional length of 1.8 Kms instead of 25.5 Kms).

- (b) NHAI has informed that due to non laying of old pipeline in utility corridor at certain locations of subject stretch by APIIC, NHAI has already requested APIIC to shift old pipeline into extreme edge of ROW i.e., in utility corridor. In this regard, APIIC has informed that the proposal towards shifting of old pipeline to extreme edge of ROW is already sent to their Head Office and consideration of the same is in progress. As such, Joint Collector has instructed APIIC that during the shifting of old pipeline of 350mm dia, the possibility of laying by combining both pipelines of 350mm (existing) & 150mm (proposed) parallelly (or) possibility of laying single pipeline with 500mm dia. (i.e., by merging both 350mm & 150mm dia) may be considered.

5. In view of above, based on the site inspection & review meeting held with Joint Collector, it was decided that the APIIC would modify the proposal and re-submit the same as per available ROW and with all the relevant documents as per MoRTH Guidelines dated 22.11.2016 to PD NHAI for consideration of approval by Competent Authority of NHAI, keeping in view of proposed 6 laning, OFC duct, existing site restrictions & utilities on RHS.

Encl: As above

Yours faithfully



(J.L. Meena)

DGM (Tech.) & Project Director

Copy to:

1. Regional officer, RO, NHAI, Vijayawada for kind information
2. The Joint Collector, Sri Satya Sai District for kind information
3. Team Leader, M/s. SA Infrastructure Consultants Pvt. Ltd., Anantapur for information.
4. DPR Consultant, M/s Aaryee Associates for information.
5. Consultant, M/s MSV International Inc., for information.



**CERTIFICATE IN RESPECT OF PERMISSION FOR LAYING OF WATER PIPELINE FROM KM 415.500 TO KM 441.000 (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 415.500 to Km 441.000 (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.



(J.L. Meena)

DGM (Tech.) & Project Director

**Letter No. SAICPL-UIC/ATP/NHAI/2023/162**

**Date: 08.06.2023**

To,

**The Project Director**

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

Dear Sir,



8/6/23  
9/6/23

**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 pipeline along Hyderabad-Bangalore section of NH-44 from Km 415.500 to Km 441.000 (RHS) (From KIA Motors to Palasamudram junction) – Requested – Report submitted - Reg**

**Ref:** 1. NHAI/PIU-ATP/11021/23/NOC/0575

**Dated:** 07.06.2023

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 from Km. 415.500 to 441.000 RHS (From KIA Motors to Palasamudram junction) has instructed the Team Leader M/s. Arvee associate and M/s SA infrastructure Pvt Ltd., consultant to inspect the site and furnish the comments/observations.

The supervision consultancy SA Infrastructure Pvt Ltd staff has inspected the site of the proposed pipeline 415.500 to 441.000 RHS and the observation are as follows:

1. The location of Supply of Pipe line from KM. 415.500 to 441.000 RHS (From KIA Motors to Palasamudram junction) in Sri Sathyasai 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. 415.500 to KM.441.000 (From KIA Motors to Palasamudram junction) 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-33044/29/2015/S&R® dtd 22.11.2016 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.415.500 to Km.441.000 RHS (From KIA Motors to Palasamudram junction) may please be considered duly obtaining comments from Team Leader M/s Arvee Associates.

*Y.R. Subramanyam*  
8-6-23

5. The following conditions may please be stipulated
- Crossings at all the approach roads/merging roads shall be done strictly with the HDD method only.
  - Keeping in view of future 6 laning of the subject stretch, Old/ existing pipeline of APIIC needs to be shifted to extreme edge of ROW at APIIC own cost as per Typical cross section submitted by APIIC
  - 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.
  - Any Encroachments shall be removed with their own cost.
  - While commencing of work and the work is in progress, transparent communication shall be maintained.
  - Demarcation of the pipeline must be done in regular intervals.
6. The length mentioned in the subject proposal is of 25.5km (25500m). The NOC and permission to accord for the Supply of Pipe line from km.415.500 to Km.441.000 RHS (From KIA Motors to Palasamudram junction) 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.**

  
8-6-23

**YR Subramanyam  
Team Leader**

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

Letter No. AA/HW/NHAI/2446/2023-24/1829

Date: 08.06.2023

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"- **APIICL-KIA-Permission for laying of water supply pipeline along Hyderabad-Bangalore section of NH-44 from Km 415.500 to Km 441.000 (RHS) (From KIA Motors to Palasamudram junction) - Report submitted**

**Ref:** 1 NHAI Letter No. NHAI/PIU-ATP/11023/23/NOC/0445 Dt.25.04.2023  
2 Our letter no.AA/HW/NHAI/2446/2023-24/0714 Dt.29.04.2023  
3 NHAI Letter No. NHAI/PIU-ATP/11023/23/NOC/0575 Dt.07.06.2023

Dear Sir,

This has reference to the letter 1<sup>st</sup> cited, wherein PD-PIU-Anantapur while enclosing the proposal for laying water pipeline from Km.415+500 to 441+000 (RHS) on Hyderabad-Bangalore section of NH-44, requested us to inspect the site and furnish a detailed report.

The proposal has been examined the comments & observations are furnished vide letter 2<sup>nd</sup> cited above and stated that applicant may be requested to explore the alternate options for above proposal due to proposed structures & existing utilities.

In this connection, PD-PIU-Anantapur vide letter 3<sup>rd</sup> cited, while enclosing the revised proposal, requested us to furnish a detailed report. The comments and observations are as under:

- i. Applicant has proposed to lay the water pipeline from Km.415+500 to 441+000 (RHS) of 150mm dia of DI-K9 and 100mm dia of DI-K7.
- ii. The pipelines are already laid from Km.416+200 to 432+900 (RHS) of 900mm diameter belongs to Public Health Department and Km.416+200 to 439+200 (RHS) of 300mm diameter belongs to APIICL.
- iii. Service road has been proposed on entire project highway on both sides.
- iv. The stretch from Km.415+600 to Km.416+300 is excluded from the scope of ongoing DPR work, as it is being developed separately. Therefore, the Authority is requested to obtain the comments from the consultant who is appointed for development of KIA section.
- v. There a ROB existed at Km.420+500. Applicant may be requested to obtain the necessary clearances from Railway authority.
- vi. It is to mention that 1 No's ROB, 7No's Minor Bridges, 1 No's VUPs and 2



No's PUPs are existed on the section from Km.415+500 to 441+000. Further, 4 No's Flyovers and 11No's VUPs, have been proposed at aforesaid section as per the Draft Detailed Project Report. The list is enclosed at **Annexure- I**. The Following TCS has been proposed as per the Draft Detailed Project Report.

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 LHS Toe Wall	IE
3	Typical Cross Section for Widening of Existing 4-Lane to 6-Lane with raised median and service roads on both sides	II
4	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
5	Typical Cross Section for 6-Lane LVUP/VUP/Flyover approach with service roads on both sides (New Construction)	IVA
6	Typical Cross Section for Widening of Existing 4-Lane to 6-LVUP/VUP/Flyover approach with service roads on both sides (Widening)	IVB
7	Typical Cross Section for 6-Lane ROB/LVUP/VUP approach retained (Overlay) + Service Road (New)	IVC
8	Typical Cross section for existing 6 - lane without service road (overlay)	XI B

- vii. Applicant stated that on completion of laying of instant proposed pipelines, the old existing pipeline will be shifted to extreme edge of RoW in two tyre system as mentioned in the drawings, at their own cost.

In view of the above, permission may be granted subjected to the following conditions.

- (i) Applicant shall lay the pipelines only in the utility corridor at extreme edge of RoW.
- (ii) The HDD method shall be used for crossing locations.
- (iii) The work shall be carried out in presence of existing Concessionaire/ O&M Contractor and Independent Engineer/Supervision consultant as per good industry practice.
- (iv) Applicant shall shift the utilities at their own cost during the six laning of project. Shifting cost shall not be claimed from the NHAI.
- (v) In case, any damages occur to the Highway assets while laying of pipelines, the damages shall be rectified by applicant at their own cost as per the IRC & MoRT&H Standards.
- (vi) Care must be taken while laying proposed pipelines to insure not to damage the existing utilities. In case, any damages occur to existing utilities during laying/maintaining above pipelines, applicant shall be the sole responsible for the damages caused.
- (vii) There should not be hindrances to the traffic movement on Project

Highway during laying of pipeline and safety measures shall be ensured.

- (viii) Applicant shall fulfil the all the conditions stipulated in the MoRT&H Guidelines No.RW/NH-33044/29/2015/S&R (R) dt.22.11.2016 and its subsequent amendments. This is submitted for information and necessary action.
- (ix) Applicant undertaking that on completion of laying of instant proposed pipelines, the old existing pipeline will be shifted to extreme edge of RoW in two tyre system at their own cost. The same shall be complied.
- (x) Since applicant stating that existing pipelines will be shifted to extreme edge of RoW at their own cost, the utility shifting cost is need not to be considered in 6-laning project cost.

This is submitted for taking further necessary action.

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

With Best Regards,

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



**(S. S Reddy)**

Team Leader cum Senior Highway Engineer

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



Nhai PIU Anantapur &lt;nhaipuatp@gmail.com&gt;

**Subject: 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 415.500 to Km 441.000 (RHS) (From KIA Motors to Palasamudram junction) - submitted- Approval- Requested- reg.,**  
1 message

MSV EDSOUTH &lt;msv.edsouth@gmail.com&gt;

Fri, Jun 9, 2023 at 12:58 AM

To: Nhai PIU Anantapur &lt;nhaipuatp@gmail.com&gt;

Cc: Saadhya Infra Solutions &lt;saadhyainfra@gmail.com&gt;, Venkata Sreedhar &lt;shree0299@gmail.com&gt;

Dear sir,

Applicant has proposed to lay the water pipeline from Km 415+600 to 416+400 of 150mm dia and 100 mm dia. In this regard, it is to submit that the Utility Shifting of existing Pipelines can be shifted to the end of ROW of NHAI i.e. 29m away from the centerline of the Main carriageway. Typical cross section has been enclosed for your reference. Further, keeping the view of the proposed half cloverleaf and its loops, it is suggested to maintain a minimum depth of 2.5m from the ground level to lay the pipe lines.

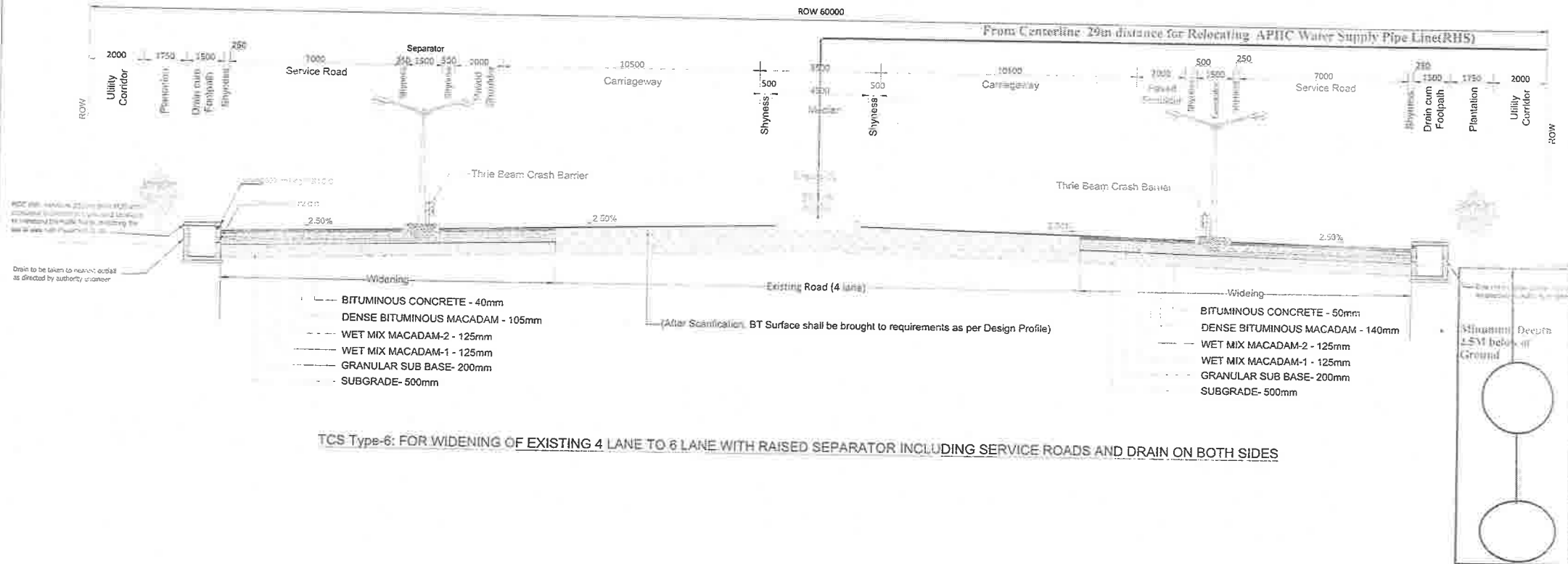
With Regards

**Y.V.Prasad**  
**Executive Director (South)**  
**M/s MSV International, Inc**  
**Bangalore**

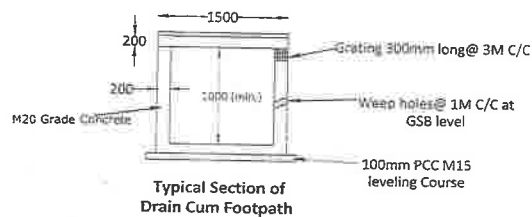


**KIA TCS- 6 Drawings Utilities shifting.pdf**  
3328K

### Annexure-I



TCS Type-6: FOR WIDENING OF EXISTING 4 LANE TO 6 LANE WITH RAISED SEPARATOR INCLUDING SERVICE ROADS AND DRAIN ON BOTH SIDES



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NATIONAL HIGHWAY AUTHORITY OF INDIA  
REGIONAL OFFICE, VIJAYAWADA



CONSULTANT:

WILB-AMSV-INTERNATIONAL, INC.

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**Product**

Construction of Proposed Half-Driver Lane Interchange with ROB at Yerramanchi and Gudimidi villages, District Nellore at No.416.DUS in the State of Andhra Pradesh.

## SCALE

Rev - 1:100  
Ver - 1:100

DRAWING FILE

TYPICAL CROSS SECTION, TYPE 62

DRG NO.

MSV/NEAD/DP/TCSCs

DATE \_\_\_\_\_

DESIGNED

UNEC 50

2510





**A.P. Industrial Infrastructure Corporation Limited**  
(A Government of Andhra Pradesh Undertaking)  
Zonal Office, Near KIA Motors, Duddebanda Cross, Erramanchi - 515 164  
Mobile No. 9666707733  
Mail id: zm-hindupur@apilc.in

M. MURALI MOHAN (FAC)

Zonal Manager

Lr. No. APIIC/ZO/PTP/BWS-NACIN/2023/

Dt. 09.06.2023.

From

M. Murali Mohan,  
Zonal Manager,  
APIIC Limited,  
Sri SatyaSai district.  
State of Andhra Pradesh.

To

The Project Director  
National Highways Authority of India  
Ananthapuramu.

Dear Sir,

Sub: External Water Supply Scheme to NACIN, Puttaparthi District, Andhra Pradesh- Permission to lay water pipeline along Hyderabad - Bengaluru of NH-44 road from Km 415/500 TO 441/000 (From KIA Motors to Palasamudram Junction) (RHS) 25.500 Kms under NHAI, PIU-Ananthapuramu -Request reg.

Ref: Ministry's circle no RW/NH-33044/27/2015-S&R(R) dated 22.11.2016

In this context, we wish to inform you that we propose to lay 150 mm dia. DI-K9 and 100 mm dia. DI K7 pipe lines from Hyderabad Bengaluru Road NH-44 road from Km 415/500 TO 441/000 (From KIA Motors to Palasamudram Junction) (RHS) 25.500 Kms to facilitate Raw water to the NACIN in Penukonda Constituency.

In reference to NHAI mail DT: 09.06.2023, keeping in view of proposed Half clover leaf interchange at Km 416.005 along NH 44, we hereby submit that our proposed 150mm dia.& existing (old) 350mm dia. Pipelines from Km 415.500 to Km 416.400 (i.e., for 900 mts length) will be laid at a minimum depth of 2.5 mts (Typical Cross section enclosed) from the ground level in two tire system in the extreme edge of ROW i.e., in utility corridor. Further, the pipelines from Km 416.400 to Km 441.000 (i.e., for 24.6 Kms length) will be laid at a depth of minimum 1.2m below ground level in the extreme edge of ROW i.e., in utility corridor, for which TCS was already submitted.


Hence, we request you to kindly accord ROW permission. Necessary license fee & BG charges if any, will be paid after receipt of demand.

For any clarifications required, it is requested to contact the ZM concerned at Ph.No.9666707733.

Thanking you

yours faithfully

Encl: Plan showing proposed Drinking water path.

  
09/6/2023  
Zonal Manager,

APIIC Ltd., Puttaparthi Zone

Copy Submitted The Chief Engineer, APIIC Limited, Head Office, Mangalagiri.



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## NATIONAL HIGHWAYS AUTHORITY OF INDIA

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

परियोजना कार्यान्वयन इकाई - अनंतपुर

# 6-4-239, 3rd क्रॉस, मारुति नगर, अनंतपुर

PROJECT IMPLEMENTATION UNIT - ANANTHAPUR

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

NHAI/PIU-ATP/11021/23/NOC/0375 Email : anantapur@nhai.org, nhaipluatp@gmail.com



0/c

07.06.2023

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)

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 415.500 to Km 441.000 (RHS) (From KIA Motors to Palasamudram junction) - submitted- Approval- Requested- reg.,

- Ref: 1. Zonal Manager, APIIC Ltd, Puttaparthi letter no.APIIC/ZO/PTP/BWS-NACIN/2023 dtd 05.06.2023
2. This office letter no.0484 dtd 10.05.2023.
3. This office letter no.0466 dtd 03.05.2023.
4. DPR Consultant, M/s Aarvee Associates letter no.0714 dtd 29.04.2023.
5. This office letter no.0445 dtd 25.04.2023.
6. Zonal Manager, APIIC Ltd, Puttaparthi letter no. 1417 dtd 14.03.2023

Sir,

Please refer to letter cited under reference 1<sup>st</sup>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 415.500 to Km 441.000 (From KIA Motors to Palasamudram junction).

2. In this regard, the DPR Consultant and SC of subject stretch are 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.

Yours truly

Encl: As above

*(J.L. Meena)*  
47.06.23

DGM (Tech.) & Project Director

Copy to:

Zonal Manager, APIIC Ltd, Puttaparthi for information.

Received by  
SA  
Kings  
8/6/23

Building a Nation, Not Just Roads

APIIC Pipeline



## A.P. Industrial Infrastructure Corporation Limited

(A Government of Andhra Pradesh Undertaking)

Zonal Office, Near KIA Motors, Duddebanda Cross, Erramanchi - 515 464

Mobile No. 8340802666

Mail id: zm-hindupur@apiic.in



M. MURALI MOHAN (FAC)

Zonal Manager

**Lr.No. APIIC/ZO/PTP/BWS-NACIN/2023/**

**DT. 05.06.2023.**

From

M. Murali Mohan,  
Zonal Manager,  
APIIC Limited,  
Sri Satya Sai district.

To

The Project Director  
National Highways Authority of India  
Ananthapuramu.  
State of Andhra Pradesh.

Dear Sir,

**Sub: External Water Supply Scheme to NACIN, Puttaparthi District, Andhra Pradesh- Permission to lay water pipeline along Hyderabad - Bengaluru of NH-44 road from Km 415/500 TO 441/000 (From KIA Motors to Palasamudram Junction) (RHS) 25.500 Kms under NHAI, PIU- Ananthapuramu -Request reg.**

**Ref: Ministry's circle no RW/NH-33044/27/2015-S&R(R) dated 22.11.2016**

In this context, we wish to inform you that we propose to lay 150 mm dia. DI-K9 and 100 mm dia. DI K7 pipe lines from Hyderabad Bengaluru Road NH-44 road from Km 415/500 TO 441/000 (From KIA Motors to Palasamudram Junction) (RHS) 25.500 Kms to facilitate Raw water to the NACIN in Penukonda Constituency.

We are here with submitting plan showing the proposed pipe line Path.

We proposed to excavate the work by open cut /HDD or any other suitable method to construct Industrial water pipe line. The work shall be carried out as per standards guidelines and polices for laying of pipe line and construction of chambers for above said route.

In reference to PD, NHAI letter no. 484 DT: 10.05.2023 & as per the discussions held at the office of Joint Collector, Sri Satya Sai district, We hereby submit that, keeping in view of already existing pipeline of APIIC from Km 416.200 to Km 439.200 on RHS, proposed 6 laning of the proposed stretch and due to ROW restriction due to availability of already laid pipelines along the proposed stretch, we undertake to adopt the two tire system for laying the present proposed pipeline of 150mm dia. beneath the ground level with 1.7m depth & above that already existing pipeline of 350mm dia. in 1.2m depth below ground level (Typical Cross section showing the two pipelines are enclosed).

As such, after obtaining the receipt of approval for laying of new pipeline of 150mm dia. in 1.7m depth from NHAI and after completing the laying activities at site by APIIC, as per the instructions received from PD, NHAI towards shifting the old pipeline of 350mm dia. to extreme edge of ROW at our own cost, the same (350mm dia. old pipeline) entire pipeline will be shifted to the extreme edge of ROW parallel to the newly laid pipeline of 150mm dia. in two tire system.

Contd..... 2

--2--

We undertake that we will lay the pipeline in hilly areas for a length of 4.5Kms at our own risk & cost in the extreme edge of ROW of NHA1 by taking necessary permissions form all the other departments, if any required to lay pipeline along the hilly areas.

Hence, we request you to kindly accord ROW permission.

Necessary charges if any, will be paid after receipt of demand.

For any clarifications required, it is requested to contact the ZM concerned at Ph.No.9666707733.

Thanking you

Encl: Plan showing proposed Drinking water path.

H. [Signature]  
Zonal Manager 05/6/2023  
APIIC Ltd., Puttaparthi Zone

Copy Submitted The Chief Engineer, APIIC Limited, Head Office, Mangalagiri.



### CHECK LIST

Guidelines for processing the proposal for Providing External Water Supply Scheme to NACIN, Palasamudram (V), Gorantla Mandal, Sri Satyasai Puttaparthi District in the land along National Highways vested with NHAI.

Sl.No	Item		Remarks
1	General Information	Providing External water supply scheme to NACIN (Gollapalli reservoir) in Constituency, Sri Satya Sai district.	
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	Near KIA MOTERS Penukonda	
1.5	Chainage/Km	NH-44 road from Km 415/500 to 441/000 (RHS) 25.500 Kms along the road (25500mts) (From KIA Motors to Palasamudram Junction)	
1.6	Length in meters	25500Mts	
1.7	Width of available Row		
	a) Left side from centre line towards increasing chainage /Kms direction	30M	
	b) Right side from centre line towards increasing chainage/km direction	30M	
1.8	Proposal to lay the utility		
	a) Left side from centre line towards increasing chainage /Kms direction	-	
	b) Right side from centre line towards increasing chainage/km direction	Yes as per the drawings attached (utility corridor)	
1.9	Proposal to acquire the land	NA	
	a) Left side from centre line	-	
	b) Right side from centre line	-	
1.10	Whether proposal is in the same side where land is not to be acquired	YES	
	If not then where to lay the cable	-	
1.11	Details of already laid services, if any along the proposed root	APIIC Pipe line from Km 416.200 to Km 439.200 (RHS)	
1.12	Number of existing lanes (2,4,6,8 lanes)	4 lane	
1.13	Proposed number of lanes 2 lane with paved shoulders/4/6/8 lanes)	NA	
1.14	Service road existing or not If yes then which side	NA	
	a) Left side from centre line		
	b) Right side from centre line		
1.15	Proposed service road	NA	

Say N/A2



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

**ZONAL MANAGER**  
APIIC Ltd., Puttaparthi Zone

	a) Left side from centre line		
	b) Right side from centre line		
1.16	Whether proposal to lay the utility is after the service road or between the service road and main carriage way	In Utility Corridor at extreme edge of ROW	
1.17	Whether carrying of water pipeline has been proposed on highway/ bridges if yes then mention the methodology proposed for the same	NA	
	Whether carrying of water pipeline has been proposed on the parapet bar any part of the bridges. If yes then mention the methodology proposed for the same	NA	
	a) Whether the existing drainage structures are allowed to carry the utility pipeline	NA	
	b) Is it on align normal to the NH	NA	
	c) What is the distance of crossing the utility pipelines from the existing structures crossing shall not be too near the existing structures on the National Highways. The minimum distance being 15mts.	NA	
	d) The casing pipe carrying the utility line shall be of steel, cast iron or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of carrier pipe/cable	NA	
	Mention type of casing	NA	
	e) Ends of the casing pipe shall be sealed from the outside. So that it does not act as a drainage path	Yes	
	f) The top of the casing pipe should be atleast 1.2mts below the surface of the road subject to being atleast 0.3mts below the drain inverts	NA	
	Mention the proposed details		
	g) Mention the methodology 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.	NA	
	h) The casing pipe shall be installed with an even barring throughout its length and in such a manner as to prevent the formation of a water way along it	NA	

SCYNMAT



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

**ZONAL MANAGER**  
APIIC Ltd., Puttaparthi Zone

1.18	No of applications on the same stretch	2	
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		
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 utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type	Backfill the soil excavated with compaction at the rate of every 300mm	
2.4.2	Horizontal directional drilling method (HDD method)	Only the cross road crossings	
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		
4.2	Confirmation of BG has been obtained are not as per MORTH/ NHAI Guidelines	BG shall be submitted as per 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	Yes Enclosed	
5.2	Undertaking for renewal of BG as when asked by MORTH/NHAI	Yes will be obtained after submission of BG	



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

**ZONAL MANAGER**  
APIIC Ltd., Puttaparthi Zone

5.3	Undertaking for confirming all standard condition of Ministry/NHAI guideline	Yes Enclosed	
5.4	Shifting of Pipe line as and when required by NHAI	Yes	
5.5	Shifting due to 6 Lining / 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 deed 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		
	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"	Yes	
	b) In case feasibility report is not available " I do certify that sufficient ROW at site for accommodating proposed 6 lining"	Yes	

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

**ZONAL MANAGER**  
APIIC Ltd., Puttaparthi Zone



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 (..... Section from Km..... to Km..... of NH no:- ..... on build. (Operate and transfer basis) and the license shall honour the same.	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 NHAI	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, IP Ammavaripalli, 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.	Yes	



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

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

5/6/23



150mm/100mm DIA.  
DI-K9/K7 PIPE ALONG  
THE NH-44 (25.50KM  
LENGTH)

ROW

NH-44

HYDERABAD  
AP TOURISM HOTEL  
NEAR KIA MOTORS  
@ KM415/500

NACIN @ KM  
441/000

BANGALORE

### SKETCH SHOWING THE PIPELINE ROUTE NH-44

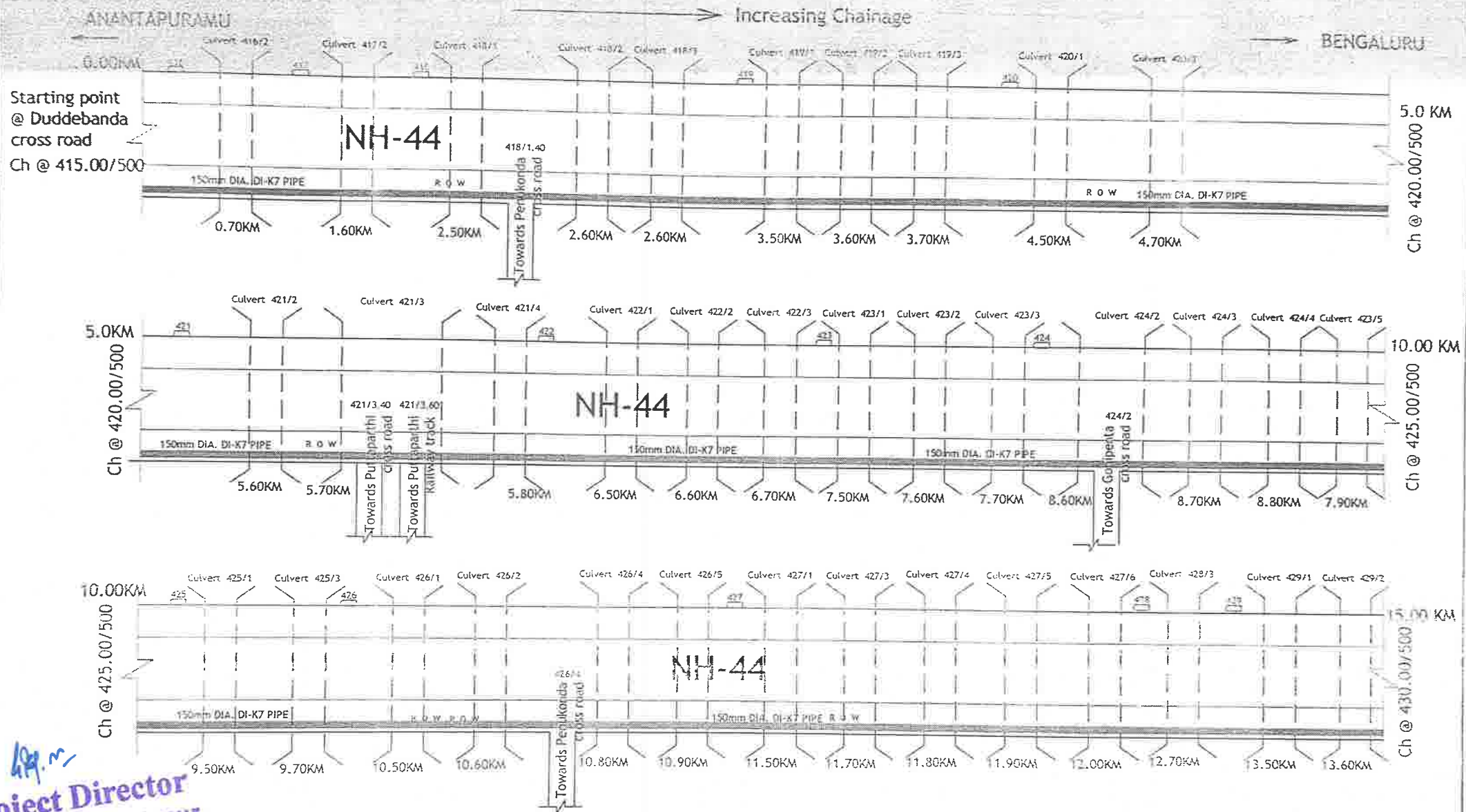
(from KM415/500 to KM441/000 ( AP Tourism Hotel near KIA Motors  
to NACIN) on RHS of Hyderabad-Bangalore)

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

  
**ZONAL MANAGER**

APIIC Ltd., Puttaparthi Zone



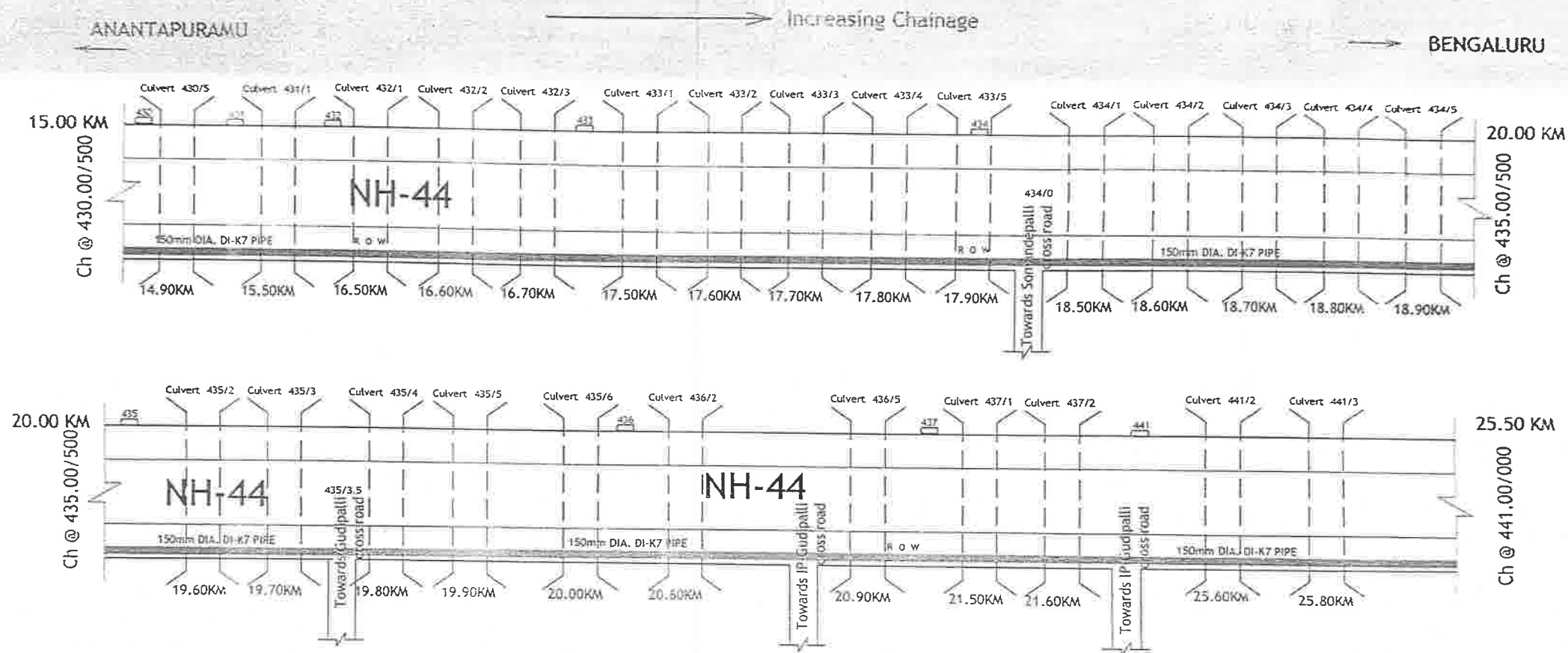


Project Director  
NHAI P.I.U., Anantapur.

SKETCH SHOWING THE CULVERTS ROUTE NH-44  
(from KM415/500 to KM441/000(near Duddebanda cross road to NACIN (Palasamudram Jn.)  
on RHS of Hyderabad-Bangalore

ZONAL MANAGER

APIIC Ltd., Puttaparthi Zone



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

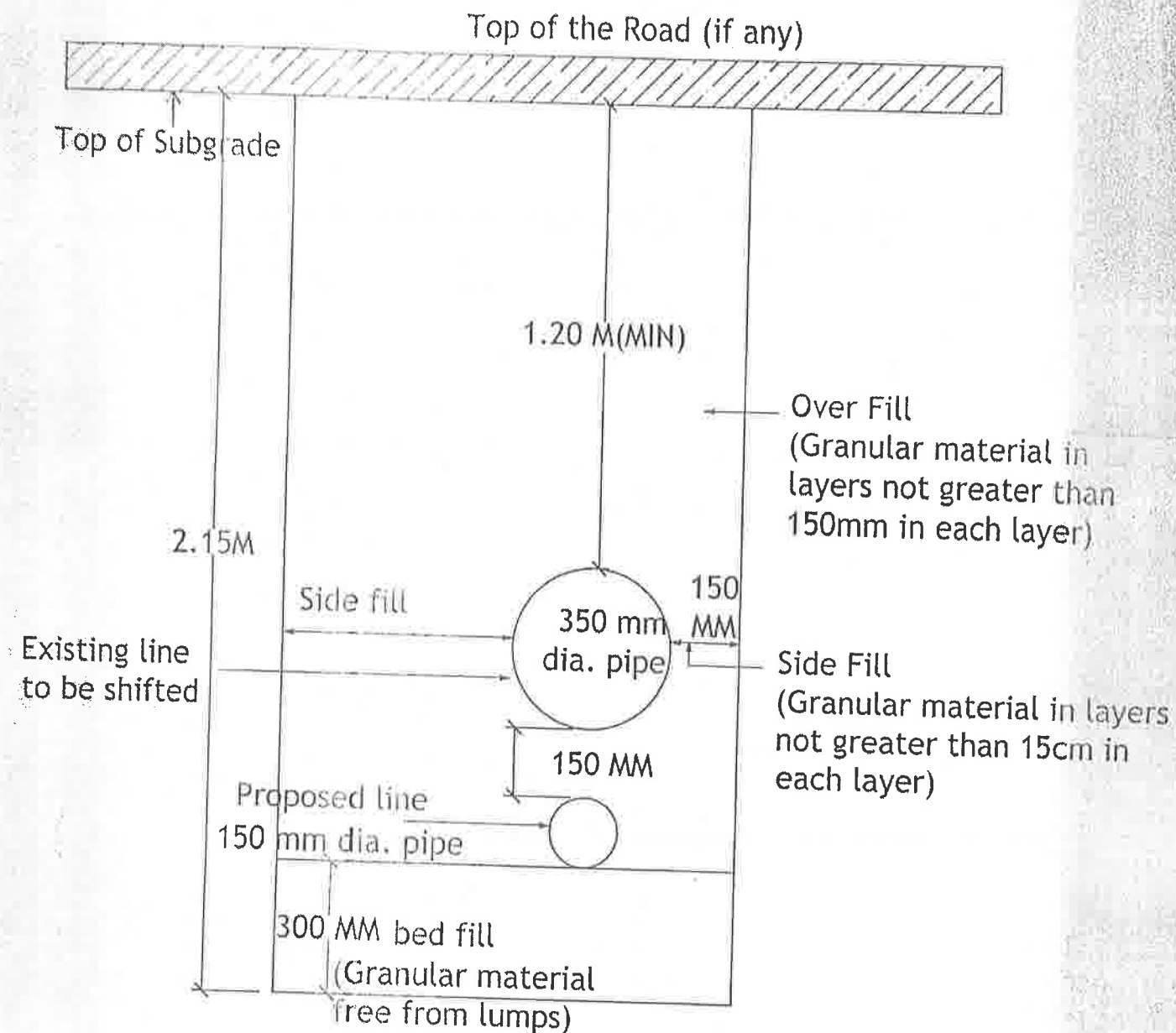
### SKETCH SHOWING THE CULVERTS ROUTE NH-44

(from KM415/500 to KM441/000 (near Duddebanda cross road to NACIN (Palasamudram Jn.)  
on RHS of Hyderabad-Bangalore

ZONAL MANAGER

APIC Ltd., Puttaparthi Zone





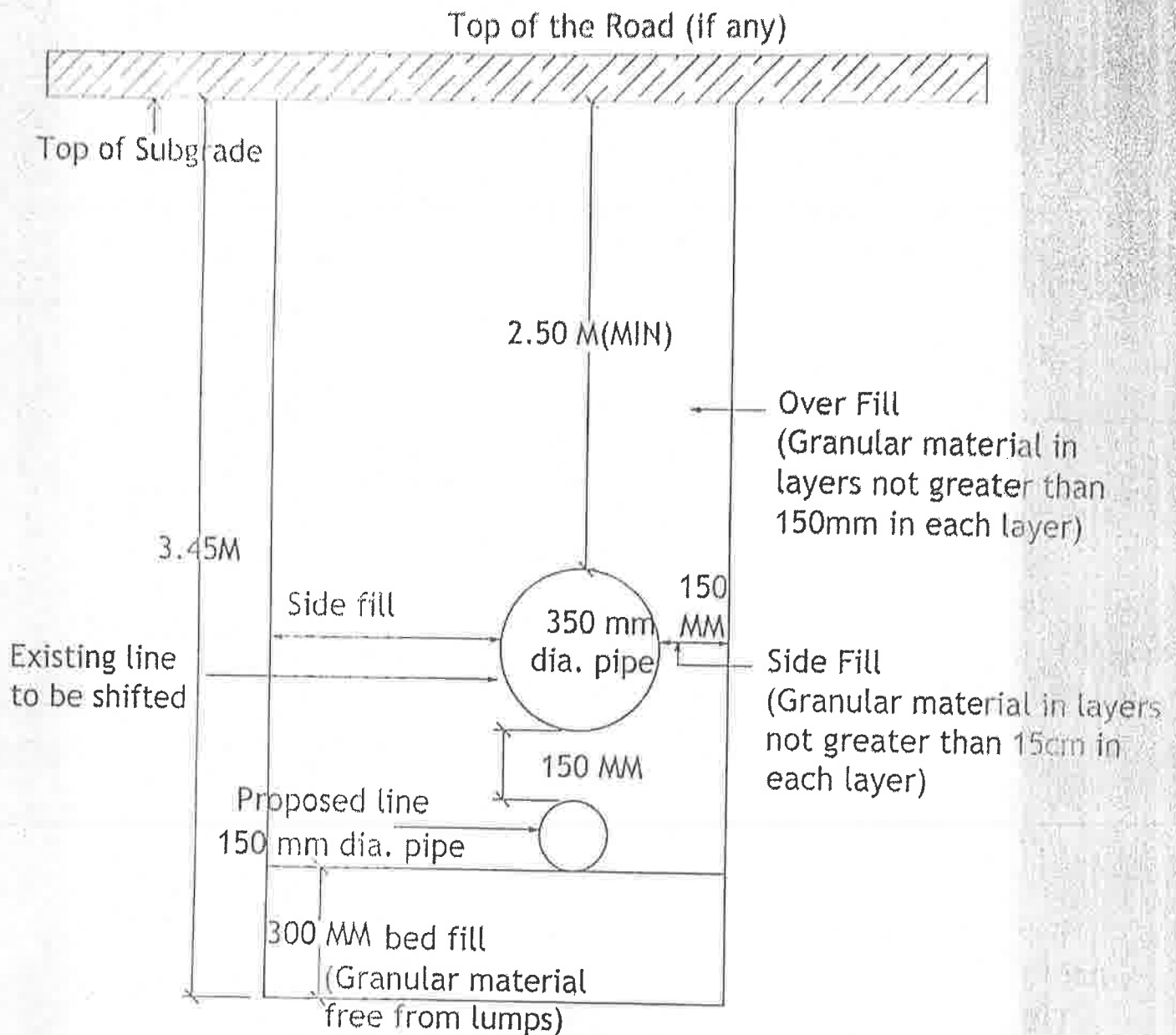
OLD 350mm/ Prop 150mm dia. pipe along the NH-44  
 (from KM 416/400 to KM 441/000 (AP tourism Hotel Near  
 KIA Motors to NAICN Palasamudram Jn.)  
 on RHS of Hyderabad -Bangalore)

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



**Zonal Manager**  
 APIIC Ltd., Puttaparthi Zone

9/11/23



OLD 350mm/ Prop 150mm dia. pipe along the NH-44  
 (from KM 415/500 to KM 416/400 (AP tourism Hotel Near  
 KIA Motors to NAICN Palasamudram Jn.)  
 on RHS of Hyderabad -Bangalore)



M. [Signature]  
 Zonal Manager 09/6/2023

APIIC Ltd., Puttaparthi Zone  
 9/6/23





ఆంధ్రప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH

S.L. No. 4461..Rs. 100/..Date 19.4.2023

Sold to..M..M..R..A..L..I..M..D..H..A..N Zoomal Manager

For Whom...~~Sola~~.....

APIC. Puttaparthi  
Zone

CM 943683

T. Sankararam  
T. Siva Sankara Prasad  
Licensed Stamp Vendor  
O.L. No. 12-03-004/1995  
R.L. No. 12-03-001/2022  
S.K. Palli. Cell : 93939610

**AGREEMENT REGARDING GRANTING OF RIGHT OF WAY PERMISSIONS**

**FOR LAYING UTILITY SERVICES ON NATIONAL HIGHWAYS**

Agreement to laying of pipe line 150mm dia. DI-K7/100 mm DI- K9 pipelines from Km 415/500 TO 441/000 (From KIA Motors to Palasamudram Junction) (RHS) 25.500 Kms of NHAI land.

This Agreement made this \_\_\_\_\_ day of \_\_\_\_\_ (month) 2023 of (year) between NHAI acting in his executive capacity through Project Director (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 Puttaparthi (hereinafter called the "Licensee") which expression shall unless excluded by repugnant to the context, include his successors/administrator assignees on the second part.

M. S. H.  
ZONAL MANAGER  
APIIC Ltd., Puttaparthi Zone

Whereas the Authority is responsible, inter-alia, for development and maintenance of lands in from Km 415/500 TO 441/000 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 415/500 TO 441/000 of road./route up to Hyderabad-Bangalore section of NH 44.

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

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

  
ZONAL MANAGER  
APHC Ltd., Puttaparthi Zone

4. The Licensee shall pay license fees @ Rs                      /sq m/month to the Authority. The License fee shall become payable from the date of handing over of RoW land to the Licensee, for laying of utilities/cables/conduits/pipelines for infrastructure/ service provider. As regards Tariff and Terms and conditions for providing common utility ducts along National Highways, there shall be a separate agreement regime.
5. Fee shall have to be paid in advance for the period for which permission is granted for entering into a license agreement. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
6. Present policy of the MoRT&H is to provide a 2.00 m wide utility corridor on either side of the extreme edge of Row. In cases where utility ducts with sufficient space are already available along NH, the utility services shall be laid in such ducts subject to technical requirements being fulfilled.
7. The utility services shall be laid at the edge of the Row. In case of restricted width of Row, which may be adequate only to accommodate the carriageway, central verge, shoulders, slopes of embankment, drains, other road side furniture etc; the utility services shall be laid beyond the toe line of the embankments and clear of the drain.
8. The Licensee shall make his own arrangement for crossing of cross drainage structure, rivers, etc. below the bed. In case, this is not feasible, the utility services may be carried outside the railings/parapets and the bridge superstructure. The fixing and supporting arrangement with all details shall be required to be approved in advance from the concerned Highway Administration. Additional cost on account of fixing and supporting arrangement as assessed by the Authority shall be payable by the Licensee.
9. In exceptional cases, where Row is restricted the utility services can be allowed beneath the carriageway of service road, if available, subject to the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct shall not be less than one lane. In such cases, it also needs to ensure that maintenance of the utility services shall not interfere with the safe and smooth flow of traffic. The cost of operation and maintenance will have to be borne by the Licensee.

 09/06/2023  
ZONAL MANAGER  
APIIC Ltd., Puttaparthi 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 1.7m below the top of the sub grade or the existing ground level whichever is lower, subject to being at least 0.3m below the drain inverts. A typical sketch showing the clearances is given in Attachment-I.
14. The utility services shall cross the National Highway preferable on a line normal to it or as nearly so as practicable.
15. The casing/conduit pipe for crossing the road may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.
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.

  
ZONAL MANAGER  
APIIC Ltd., Puttaparthi Zone



- c. The side fill shall consist of granular material laid in 15 cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.
  - d. The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highway Authority.
17. The Licensee shall ensure making good the excavated trench for laying utility services by proper filling and compaction, so as to restore the land in to the same condition as it was before digging the trench, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way;
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. 100 per route meter 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;

  
**ZONAL MANAGER**  
**APIIC Ltd., Puttaparthi Zone**



21. The Licensee shall shift the utility services within 90 days (or as specified by the respective Authority) from the date of issue of the notice by the concerned Authority to shift/relocate the utility services, in case it is so required for the purpose of improvement/widening of the road/route/highway or construction of flyover/bridge and restore the road/land to its original condition at his own cost and risk.
22. The Licensee shall be responsible to ascertain from the respective agency in co- ordination with Authority, regarding the location of other utilities /underground installations/ facilities etc. The Licensee shall ensure the safety and security of already existing underground installations/utilities/facilities etc. before commencement of the excavation/using the existing cable ducts. The Licensee shall procure insurance from a reputed insurance company against damages to already existing underground installations/utilities/facilities etc.
23. The Licensee shall be solely responsible/ liable for full compensation/ indemnification of concerned agency / aggrieved Authority for any direct, indirect or consequential damage caused to them/claims or replacements sought for, at the cost and risk of the Licensee. The concerned agency in 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.

  
**ZONAL MANAGER**  
**APILC Ltd., Puttaparthi Zone**

26. The Licensee shall inform/give a notice to the concerned agency designated by the Authority at least 15 day in advance with route details prior to digging trenches, for fresh or maintenance/repair works. A separate performance Bank Guarantee for maintenance/repair works shall have to be furnished by the Licensee.
27. Each day, the extent of digging the trenches should be strictly regulated so that utility services are laid and trenches filled up before the close of the work that day. Filling should be completed to the satisfaction of the concerned agency designated by the Authority.
28. The licensee shall indemnify the concerned agency in co-ordination with Authority, against all damages and claims, if any due to the digging of trenches for laying cables/ducts.
29. The permission for laying utility services is granted maximum for 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be renewed, unless defaults exist. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
30. The permission shall be valid only for the period it is issued and fee deposited. However, the Authority also has a right to terminate the permission or to extend the period of Agreement.
31. That the Licensee shall not undertake any work of shifting, repairs or alterations to the utility services without prior written permission of the concerned agency in 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 infeasible 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.

  
**ZONAL MANAGER**  
**APIIC Ltd., Puttaparthi Zone**

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 matter within their Authority, and upon reasonable notice, shall provide reasonable assistance necessary to carry out their respective duties and functions.
37. The utility services shall not be made operational by the Licensee unless a completion certificate to the effect that the utility services has been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfaction of the concerned agency in co-ordination with the Authority has been obtained. Notwithstanding anything contained herein, this Agreement may be cancelled at any time by Authority for breach of any condition of the same and the Licensee shall neither be entitled to any compensation for any loss caused to it by such cancellation nor shall it be absolved from any liability already incurred.
38. The Licensee shall ensure adherence to relevant Indian standards and follow best industry practices, methods and standards for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation, repair and maintenance of any part of the utility lines/industrial infrastructure facilities and which practices, methods and standards shall be adjusted as necessary, to take account of:
- a. operation, repair and maintenance guidelines given by the manufacturers,
  - b. the requirements of Law,
  - c. the physical conditions at the Site, and
  - d. The safety of operating personnel and human beings.
39. The Licensee shall have to provide safety measures like barricading, danger lighting and other necessary caution boards while executing the work.
40. While laying utility services, at least one lane of road shall be kept open to traffic at all times. In case of single lane roads, a diversion shall be constructed. If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of Licensee.
41. After the termination/expiry of the agreement, the Licensee shall remove the utility services within 90 days and the site shall be brought back to the original condition failing which the Licensee will lose the right to remove the utility services. However before taking up the work of removal of utility services the Licensee shall furnish a Bank Guarantee to the Authority for a period of one year for an amount assessed by the Authority as a security for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation of trenching at least 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.
43. For PPP Projects, in case of any financial loss incurred by the respective project concessionaires due to such laying/shifting of utility services by the Licensee, compensation for the same shall be required to be borne by the Licensee in mutual agreement with the respective project concessionaires. MoRT&H/ NHA/ implementing authorities for the project shall not be liable to the concessionaire in any way in this regard.

This agreement has been made in duplicate, each on a Stamp Paper,  
Each party to 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 M. MURALI MOHAN  
Signature, name & address with stamp)

  
**ZONAL MANAGER**  
**APIIC Ltd., Puttaparthi Zone**

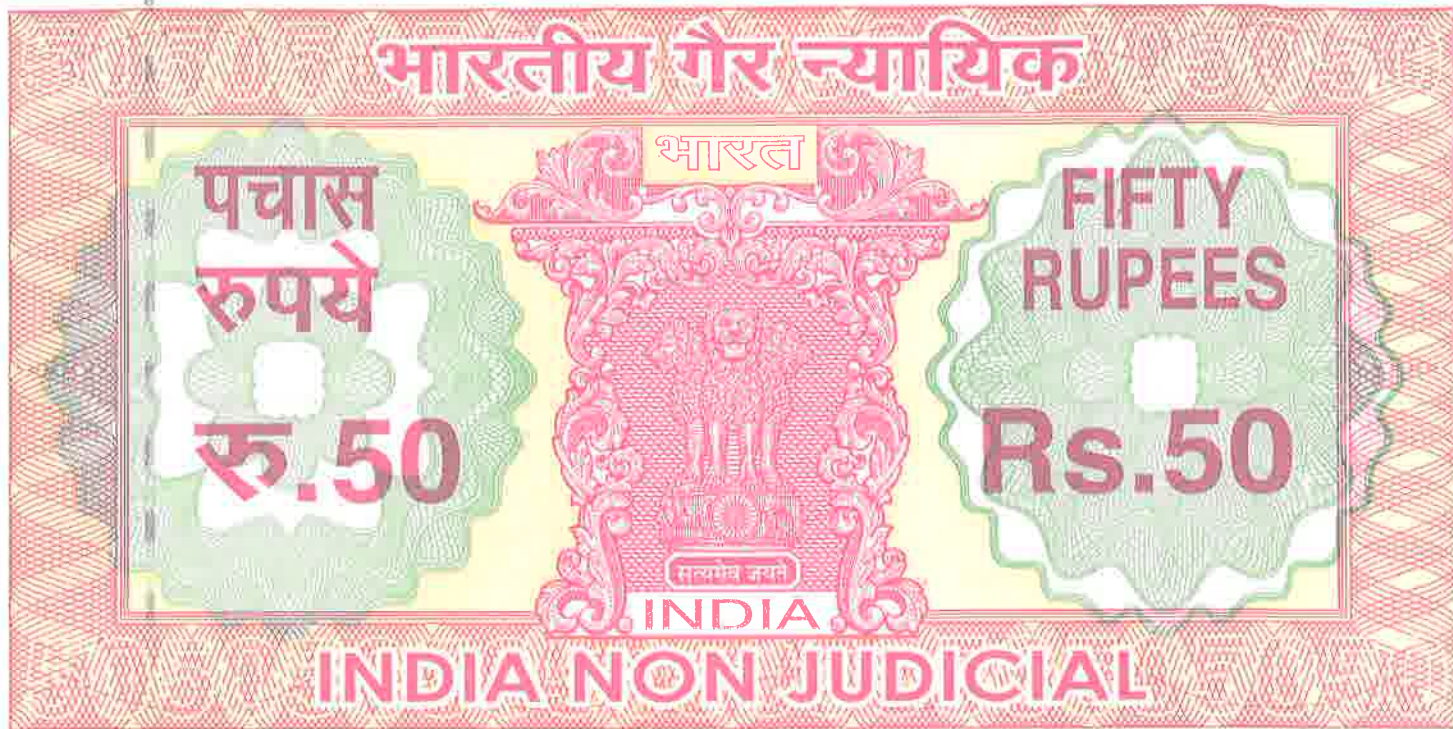
HOLDER OF GENERAL POWER OF ATTORNEY DATED \_\_\_\_\_ EXECUTED IN  
ACCORDANCE WITH THE RESOLUTION NO \_\_\_\_\_ DATED \_\_\_\_\_  
PASSED BY THE BOARD OF DIRECTORS IN THE MEETING HELD ON

IN THE PRESENCE OF (WITNESSES):

1.

2.





ఆంధ్రప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH

BA 119027

Serial No:3221  
Purchased By :  
B NAGARAJU  
S/O B KONDAIAH  
DHARMAVARAM

Denomination: 50  
For :  
ZONAL MANAGER  
APIIC LTD  
PUTTAPARTHI ZONE

Date 03-06-2023

Stamp S. no BA 119027  
Sub Registrar  
Ex. Office Stamp Vendor  
SRO Dharmavaram

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

We, Zonal Manager, APIIC office, IP Ammavaripalli, Sri Satya Sai District, Andhra Pradesh are laying 150mm dia. DI-K7/100 mm DI- K9 pipelines from Km 415/500 TO 441/000 (From KIA Motors to Palasamudram Junction) (RHS) 25.500 kms along section as a part of Providing Water Supply Project to NACIN in Penukonda and Gorantala Constituencies with Gollapalli Reservoir as Source Under Central Govt Project for a total length of 25.500kms (25500mts) Sri Satya Sai District of AP, under the limits of NHAI Division.

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

- 1. 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 Dept. 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 Dept, 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


  
ZONAL MANAGER  
APIIC Ltd., Puttaparthi Zone



department for clearing debris/loose earth. In case the work contemplated here with is not completed to the satisfaction of NHAI Dept, which has granted the permission, within a period of 11 months from the date of issue of Bank Guarantee, the APIIC Engineering Department shall either furnish 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 NHAI Dept shall have a right to make good the damages caused by excavation, at the cost of the APIIC 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 1.70 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 15 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 Dept.
- I. The licensee shall indemnify the concerned agency in co-ordination with NHAI Dept 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.

  
**ZONAL MANAGER**  
**APIIC Ltd., Puttaparthi Zone**

- N. The RWS&S Engineering Department shall bear the stamp charged for the agreement.
- O. The pipe line 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 up to the satisfaction of the concerned agency in co-ordination with the owner has been obtained.
- P. Notwithstanding 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 an observer within 24 hours NHAI Dept 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 Laning /Widening of NE:**  
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 NHAI 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 and 6 above to the satisfaction of NHAI Dept the same shall be got executed by the NH Dept at the risk and cost of APIIC Engineering Department.

  
**ZONAL MANAGER**  
**APIIC Ltd., Puttaparthi 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.
12. Removal of encroachments, if any will be taken up by APIIC dept.
13. HDD methodology will only be used for crossing of any existing cross roads, approach roads, AD lanes of fuel stations, private properties, village roads etc., along entire stretch
14. Existing Avenue plantation will not be damaged along the entire stretch. If damaged, then the re plantation will be taken up by APIIC in 1:5 ratio and as directed by NHAI.

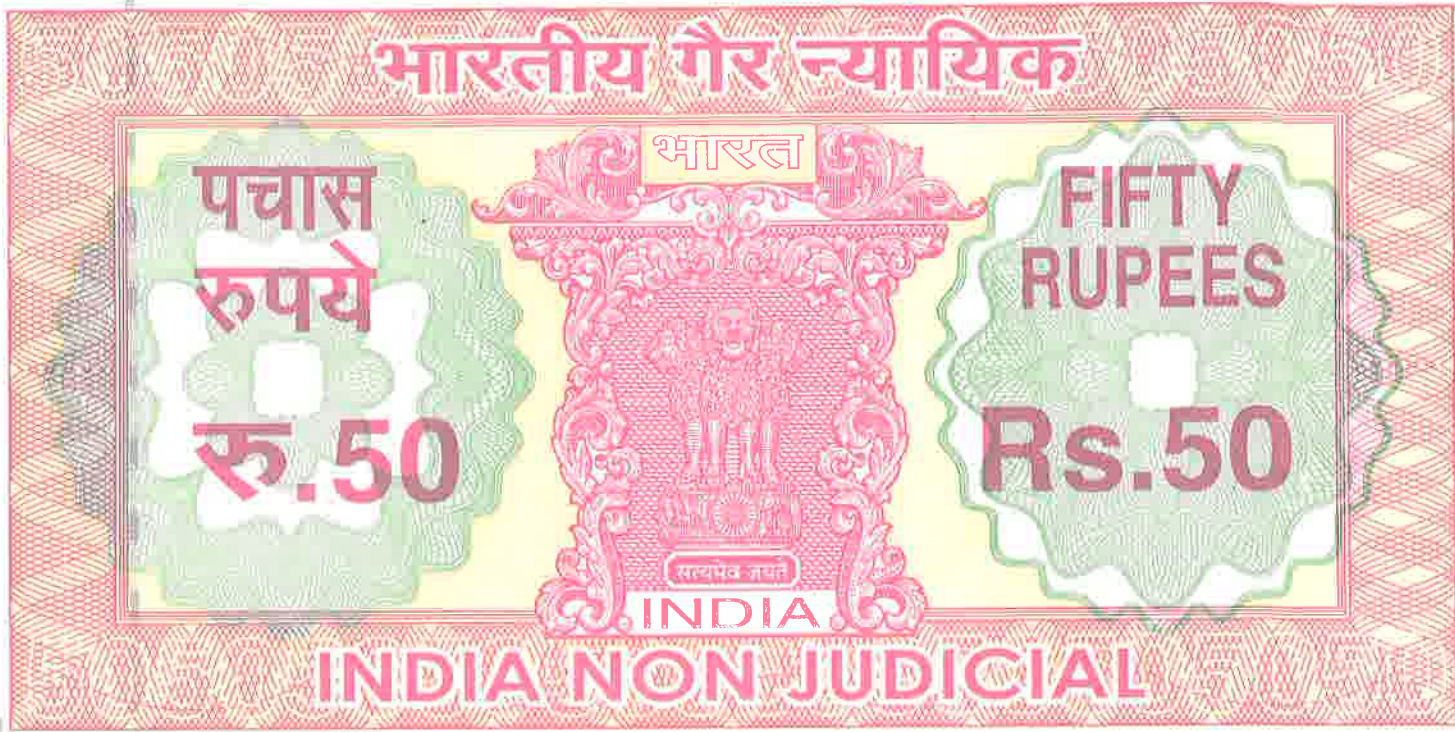


**Zonal Manager**

**APIIC Ltd, Sri Satya Sai District**







ఆంధ్రప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH

BA 119026

Serial No:3220  
Purchased By  
B NAGARAJU  
S/O B KONDAIAH  
DHARMAVARAM

Denomination: 50  
For :  
ZONAL MANAGER  
APIIC LTD  
PUTTAPARTHI ZONE

Date 03-06-2023

Stamp S. no BA 119026  
Sub Registrar  
Ex. Office Stamp Vendor  
SRO Dharmavaram


### INDEMNITY BOND

**Name of the work:** Providing External Water Supply Scheme to NACIN, Palasamudram (V), Gorantala (M), Sri Satya Sai Puttaparthi District as Source Laying of raw water gravity main of 150mm Dia. DI-K9/100 mm Dia. DI-K7 on NH-44 from Km 415/500 TO 441/000 (From KIA Motors to Palasamudram Junction) (RHS) 25.500 Kms along with a total length of 25500 mts in the state of Andhra Pradesh.

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

We, Zonal manager, APIIC, Sri Satya Sai binding ourselves to pay all the losses and claims of water supply to NACIN and laying of raw water Pumping/gravity main from NH-44 from KIA Motors to Palasamudram Junction from Ch:415/500 TO Ch:441/000 length of 25.500kms and across NH-44 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 Ltd, SRI SATYA SAI DISTRICT



Serial No:3234

Purchased By :

B NAGARAJU  
S/O B KONDAIAH  
DHARMAVARAM

Denomination: 10

Date 03-06-2023

For ANDHRA PRADESH  
ZONAL MANAGER  
APIIC LTD  
PUTTAPARTHI ZONE


Stamp S. no. 17AB 215220

Sub Registrar

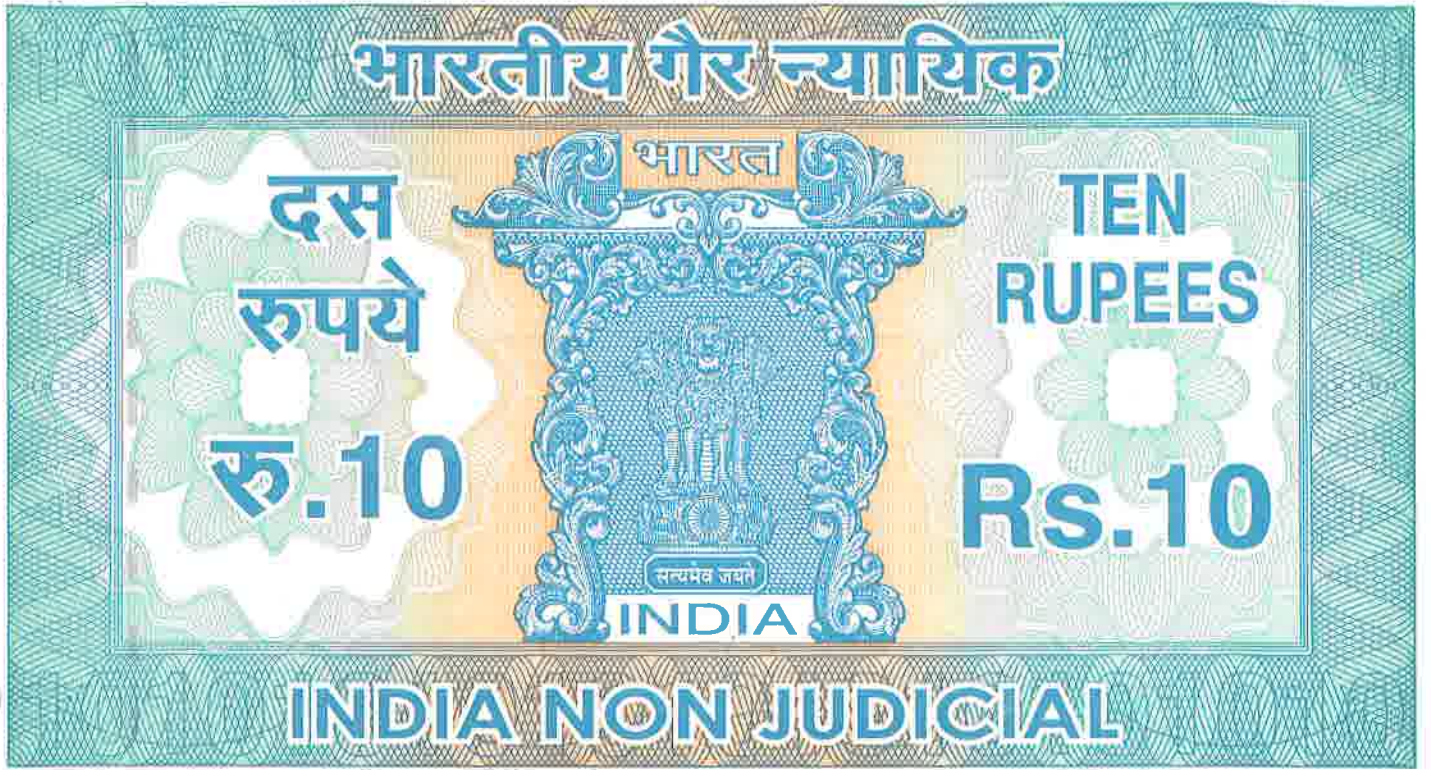
Ex. Office Stamp Vendor  
SRO Dharmavaram

## CERTIFICATE FOR LAYING OF PIPELINE ALONG THE ROAD

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing External Water Supply Scheme to National Academy of Customs, Indirect Taxes & Narcotics (NACIN), Palasamudram (V), Gorantala Mandal, Sri Satyasai Puttaparthi District". 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.

  
Zonal Manager  
APIIC Ltd., Puttaparthi  
Authorized Signatory.





Serial No:3222

Purchased By  
B NAGARAJU

S/O B KONDAIAH  
DHARMAVARAM

Denomination: 10

For

ZONAL MANAGER  
APIIC LTD  
PUTTAPARTHI ZONE

Date 03-06-2023


Stamp S. no. 17AB 215208

Sub Registrar

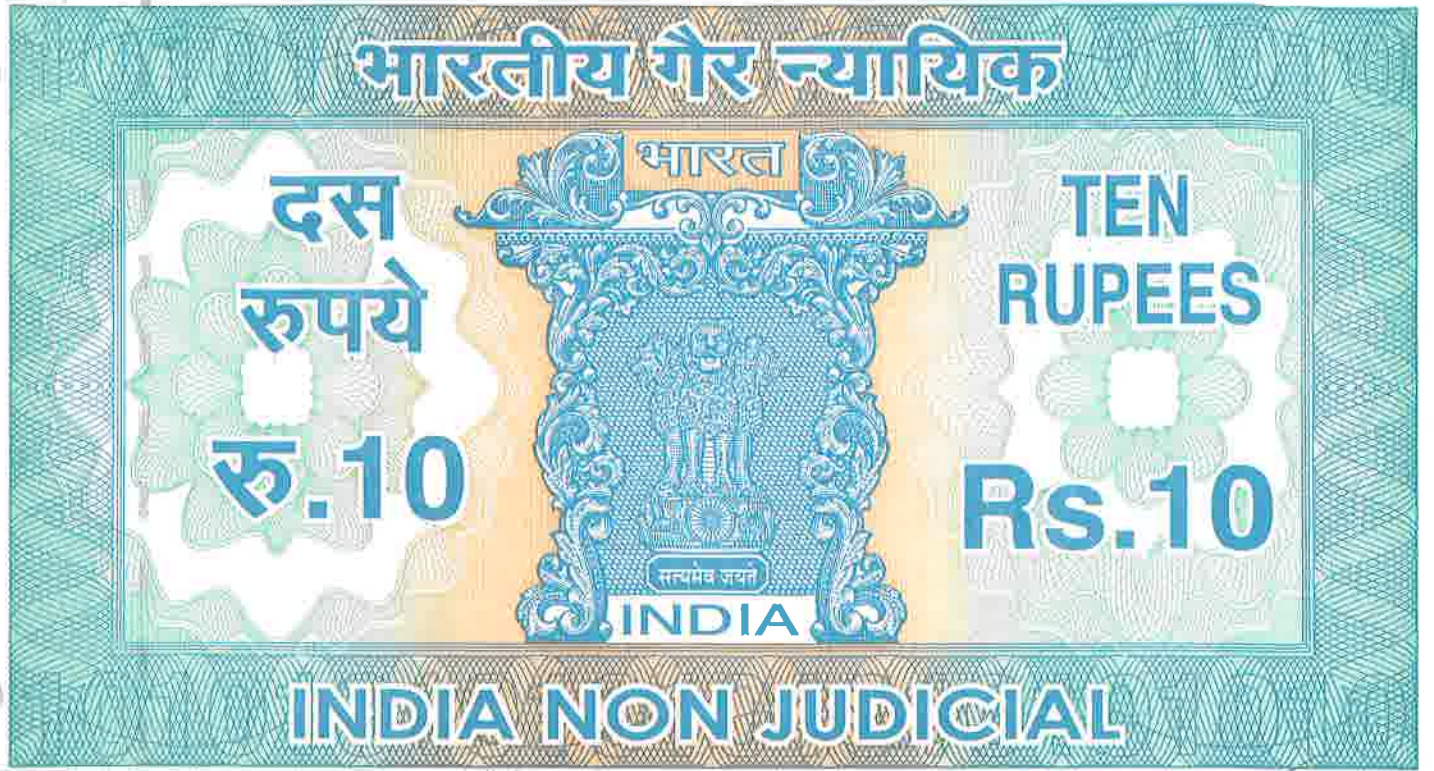
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SRO Dharmavaram

### UNDERTAKING FOR EXPENDITURE

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing External Water Supply Scheme to National Academy of Customs, Indirect Taxes & Narcotics (NACIN), Palasamudram (V), Gorantala Mandal, Sri Satyasai Puttaparthi District". 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.

  
Zonal Manager  
APIIC Ltd., Puttaparthi  
Authorized Signatory.





Serial No:3223

Purchased By :

B NAGARAJU

S/O B KONDAIAH

DHARMAVARAM

Denomination: 10

For  
ZONAL MANAGER

APIIC LTD

PUTTAPARTHI ZONE

Date 03-06-2023

Stamp S. no. 17AB 215209

Sub Registrar

Ex. Office Stamp Vendor

SRO Dharmavaram

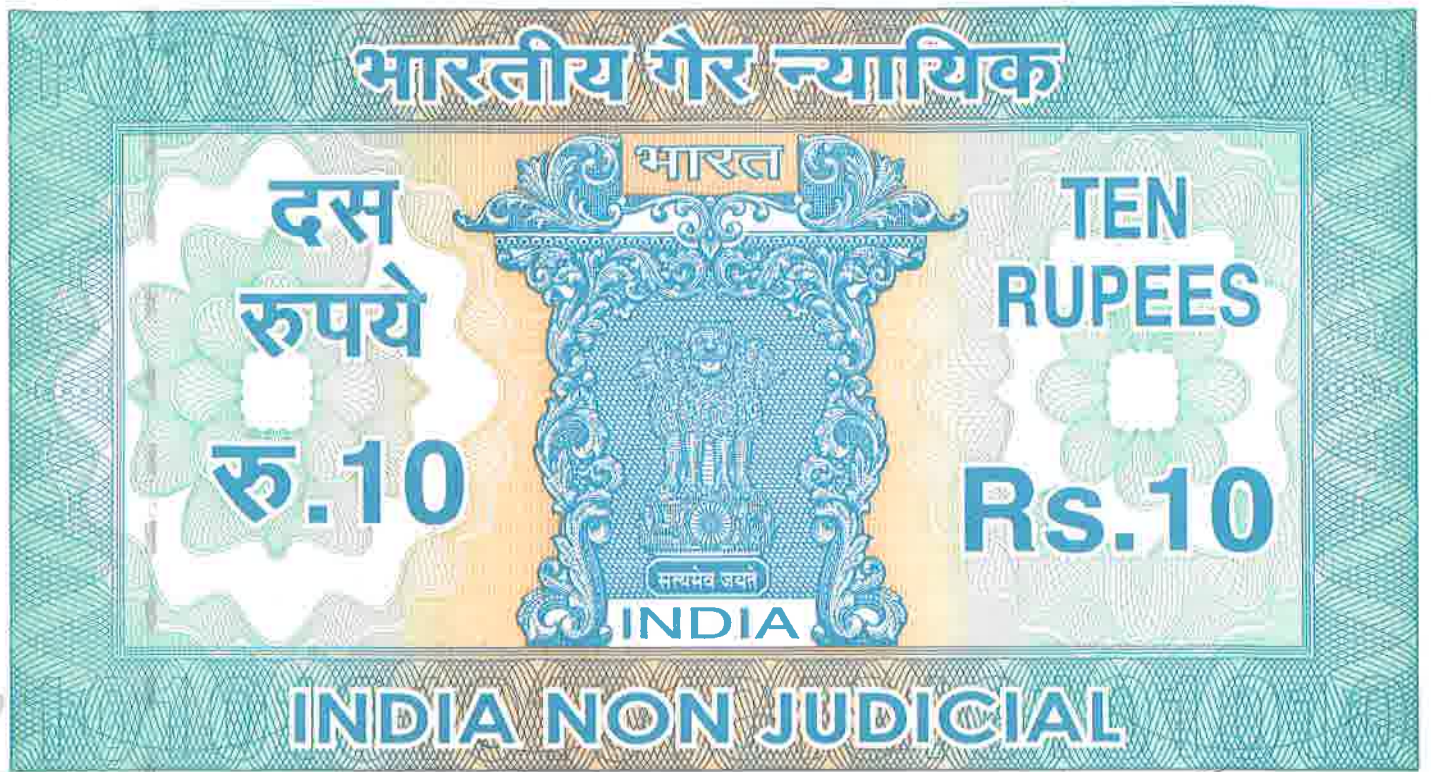
## UNDERTAKING FOR PRIOR APPROVAL

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing External Water Supply Scheme to National Academy of Customs, Indirect Taxes & Narcotics (NACIN), Palasamudram (V), Gorantala Mandal, Sri Satyasai Puttaparthi District". 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.

  
Zonal Manager

APIIC Ltd., Puttaparthi  
Authorized Signatory.





Serial No:3224

Purchased By :  
B NAGARAJU  
S/O B KONDAIAH  
DHARMAVARAM

Denomination: 10

Date:03-06-2023


Stamp S. no. 17AB 215210

For: **ANDHRA PRADESH**  
ZONAL MANAGER  
APIIC LTD  
PUTTAPARTHI ZONE

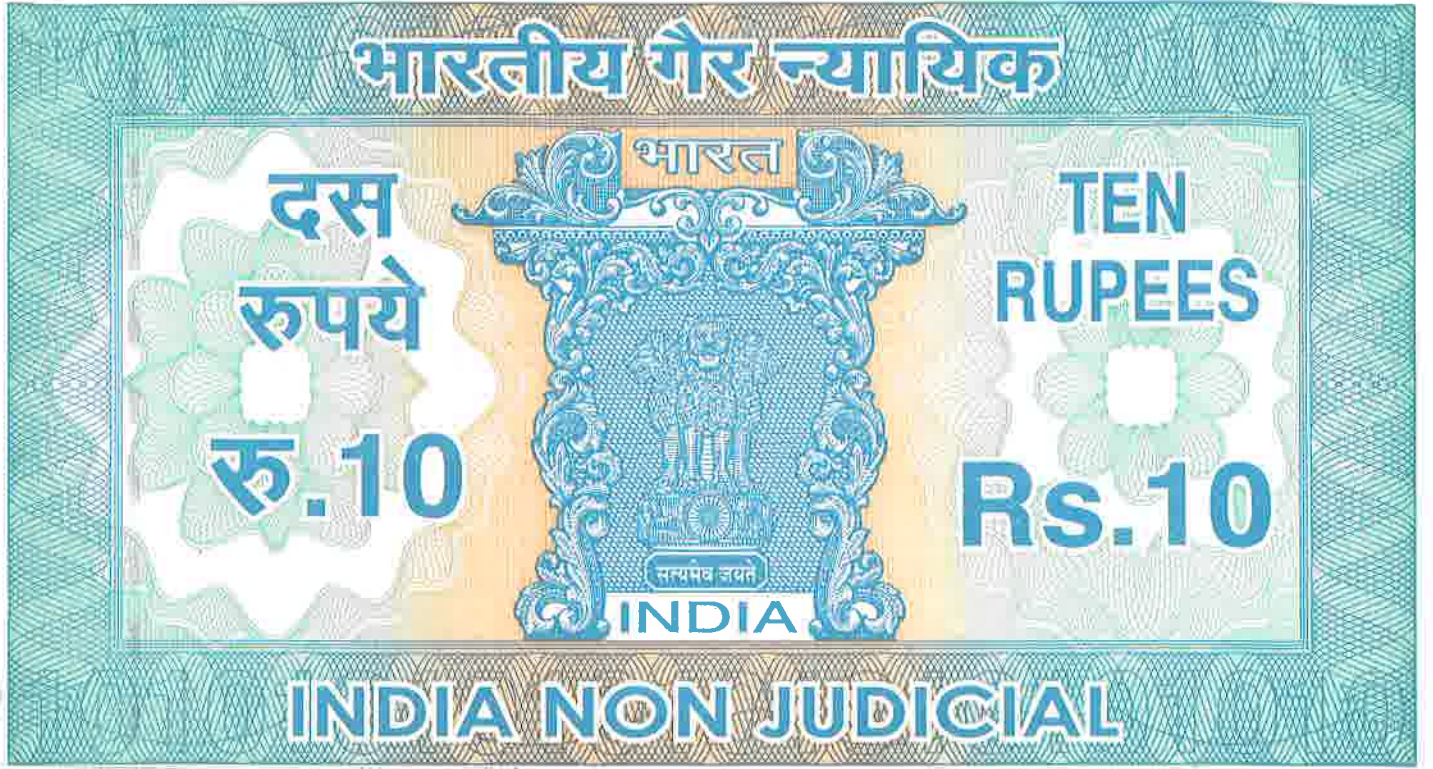
Sub Registrar  
Ex. Office Stamp Vendor  
SRO Dharmavaram

## UNDERTAKING FOR TRAFFIC MOVEMENT

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing External Water Supply Scheme to National Academy of Customs, Indirect Taxes & Narcotics (NACIN), Palasamudram (V), Gorantala Mandal, Sri Satyasai Puttaparthi District". 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.

  
Zonal Manager  
APIIC Ltd., Puttaparthi  
Authorized Signatory.





Serial No:3225

Purchased By :  
B NAGARAJU  
S/O B KONDAIAH  
DHARMAVARAM

Denomination: 10

For  
ZONAL MANAGER  
APIIC LTD  
PUTTAPARTHI ZONE

Date 03-06-2023

Stamp S. no. 17AB 215211

Sub Registrar

Ex. Offico Stamp Vendor  
SRO Dharmavaram

## UNDERTAKING FOR NHAI GUIDELINES

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing External Water Supply Scheme to National Academy of Customs, Indirect Taxes & Narcotics (NACIN), Palasamudram (V), Gorantala Mandal, Sri Satyasai Puttaparthi District". 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.

Zonal Manager  
APIIC Ltd., Puttaparthi  
Authorized Signatory.





Serial No:3226

Purchased By :  
B NAGARAJU  
S/O B KONDAIAH  
DHARMAVARAM

Denomination: 10

For  
ZONAL MANAGER  
APIIC LTD  
PUTTAPARTHI ZONE

Date 03-06-2023


Stamp S. no. 17AB 215212

Sub Registrar

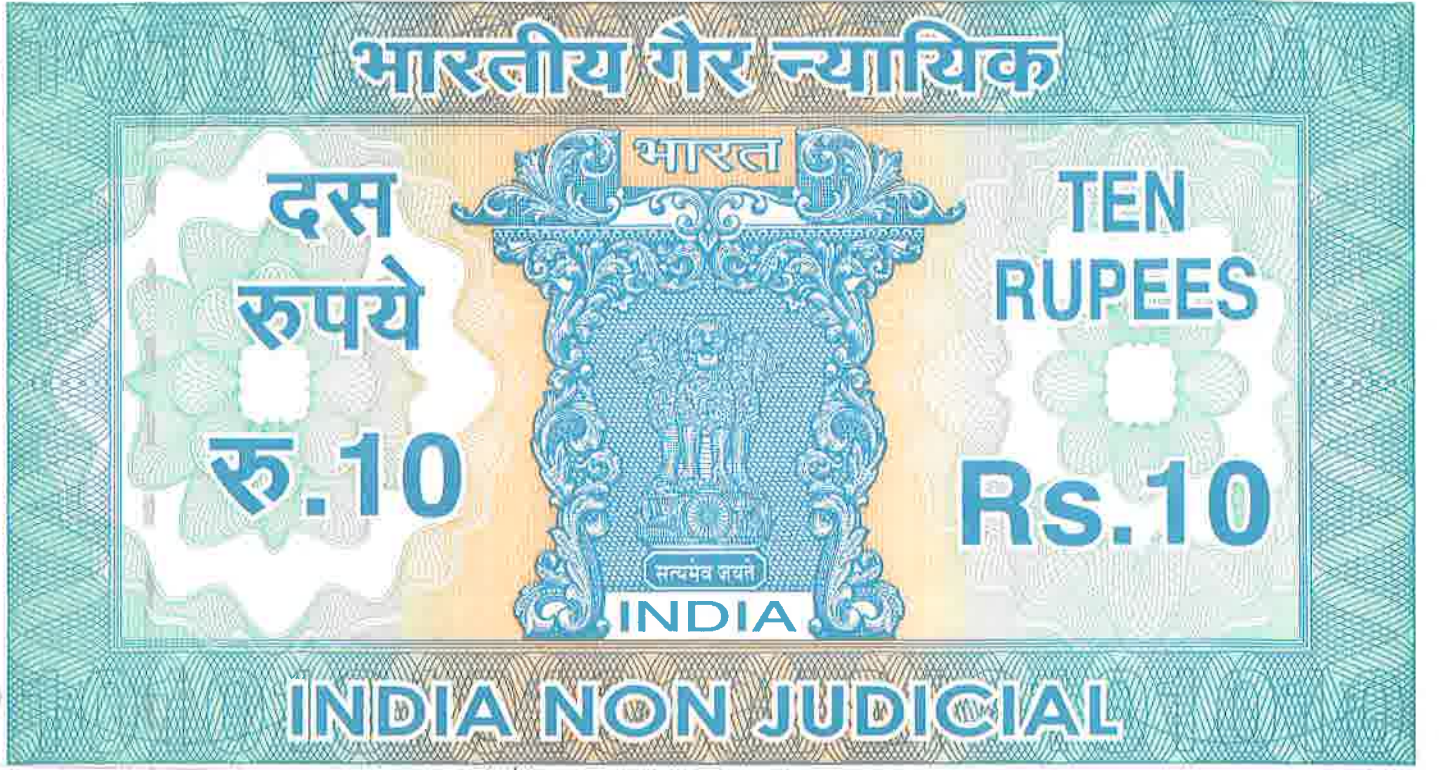
Ex. Officio Stamp Vendor  
SRO Dharmavaram

## UNDERTAKING FOR WIDENING OF NATIONAL HIGHWAY

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing External Water Supply Scheme to National Academy of Customs, Indirect Taxes & Narcotics (NACIN), Palasamudram (V), Gorantala Mandal, Sri Satyasai Puttaparthi District". 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.

  
Zonal Manager  
APIIC Ltd., Puttaparthi  
Authorized Signatory.





Serial No:3227

Purchased By :

B NAGARAJU

S/O B KONDAIAH

DHARMAVARAM

Denomination: 10

For

ZONAL MANAGER

APIIC LTD

PUTTAPARTHI ZONE

Date 03-06-2023

Stamp S. no. 17AB 215213

17AB 215213

Sub Registrar

Ex. Officio Stamp Vendor

SRO Dharmavaram

## UNDERTAKING FOR INDEMNITY AGAINST ALL DAMAGES

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing External Water Supply Scheme to National Academy of Customs, Indirect Taxes & Narcotics (NACIN), Palasamudram (V), Gorantala Mandal, Sri Satyasai Puttaparthi District". We do indemnity NHAI against all damages and claims that will be incurred by NHAI while laying our APIIC water pipeline along National Highway.

Zonal Manager  
APIIC Ltd., Puttaparthi  
Authorized Signatory.





Serial No:3228

Purchased By :  
B NAGARAJU  
S/O B KONDAIAH  
DHARMAVARAM

Denomination: 10

Date 03-06-2023

For ANDHRA PRADESH  
ZONAL MANAGER  
APIIC LTD  
PUTTAPARTHI ZONE

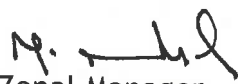
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Sub Registrar  
Ex. Offico Stamp Vendor  
SRO Dharmavaram

## UNDERTAKING FOR RENEWAL OF BANK GUARANTEE

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing External Water Supply Scheme to National Academy of Customs, Indirect Taxes & Narcotics (NACIN), Palasamudram (V), Gorantala Mandal, Sri Satyasai Puttaparthi District". 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.

  
Zonal Manager  
APIIC Ltd., Puttaparthi  
Authorized Signatory.





Serial No:3229

Purchased By :  
B NAGARAJU

S/O B KONDAIAH  
DHARMAVARAM

Denomination: 10

For

ZONAL MANAGER  
APIIC LTD  
PUTTAPARTHI ZONE

Date 03-06-2023

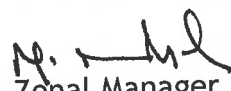
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Sub Registrar

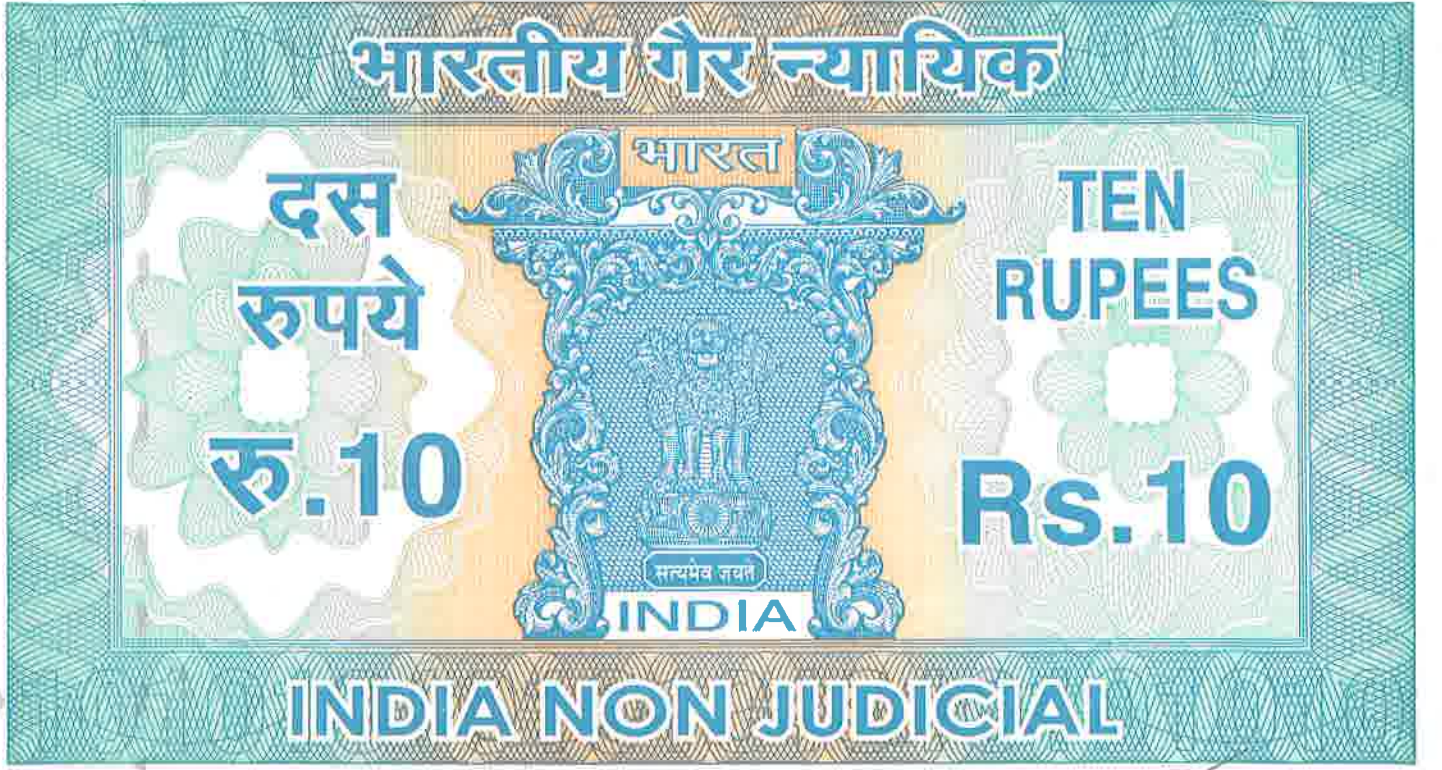
Ex. Offico Stamp Vendor  
SRO Dharmavaram

## UNDERTAKING FOR SHIFTING OF PIPELINE

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing External Water Supply Scheme to National Academy of Customs, Indirect Taxes & Narcotics (NACIN), Palasamudram (V), Gorantala Mandal, Sri Satyasai Puttaparthi District". We do undertaking that we shall shift our APIIC Water Pipeline as and when required by NHAI as our own cost and risk.

  
Zonal Manager  
APIIC Ltd., Puttaparthi  
Authorized Signatory.





Serial No:3230

Purchased By:  
B NAGARAJU  
S/O B KONDAIAH  
DHARMAVARAM

Denomination: 10

For: **ANDHRA PRADESH**  
ZONAL MANAGER  
APIIC LTD  
PUTTAPARTHI ZONE


Date: 03-06-2023

Stamp S. no. 17AB 215216

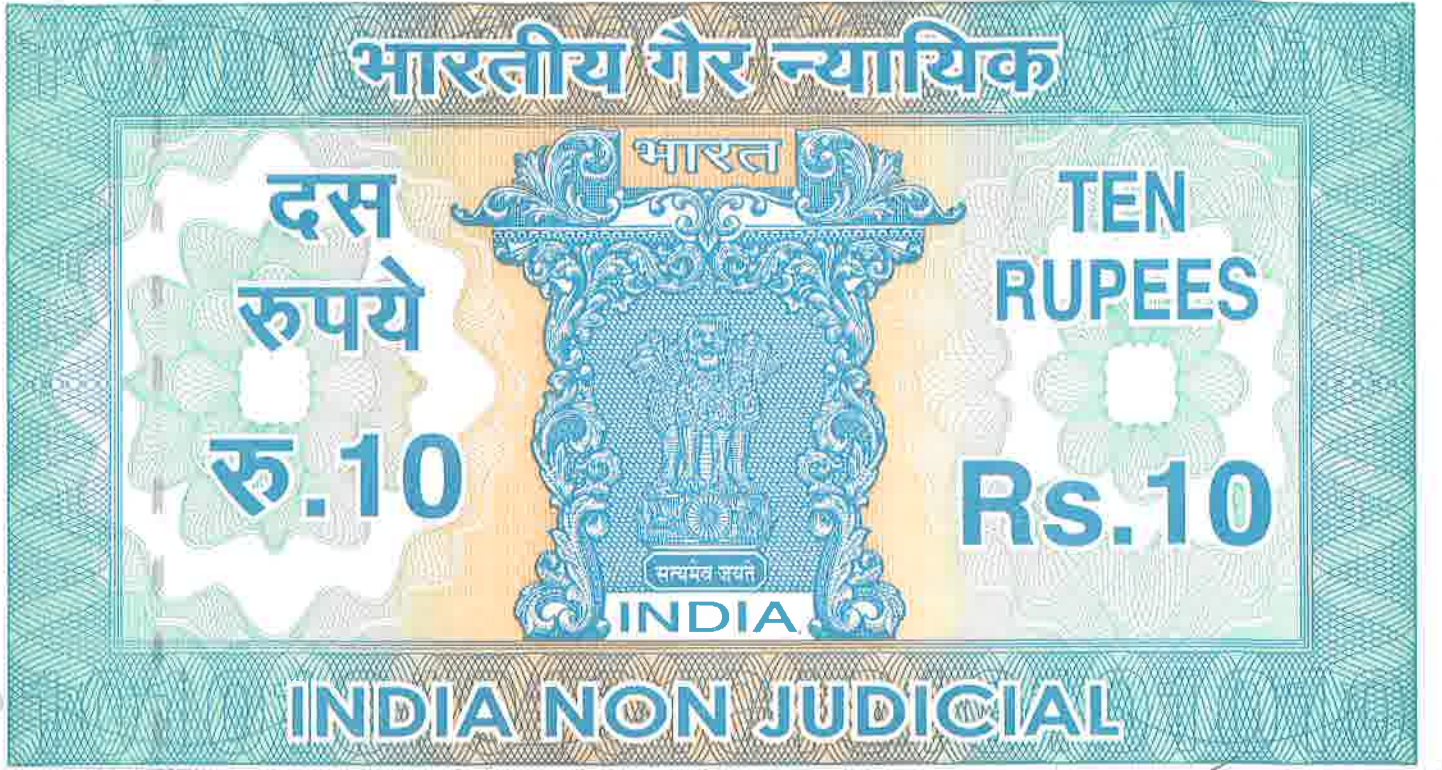
Sub Registrar  
Ex. Officio Stamp Vendor  
SRO Dharmavaram

### UNDERTAKING FOR NOT TO DAMAGE ANY UTILITY

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing External Water Supply Scheme to National Academy of Customs, Indirect Taxes & Narcotics (NACIN), Palasamudram (V), Gorantala Mandal, Sri Satyasai Puttaparthi District". 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 NHAI or to the concerned agency.

  
Zonal Manager  
APIIC Ltd., Puttaparthi  
Authorized Signatory.





Serial No:3231

Purchased By:

B NAGARAJU

S/O B KONDAIAH

DHARMAVARAM

Denomination: 10

For  
ZONAL MANAGER

APIIC LTD

PUTTAPARTHI ZONE

Date 03-06-2023

Stamp S. no. 17AB 215217


Sub Registrar

Ex. Office Stamp Vendor

SRO Dharmavaram

## UNDERTAKING FOR PROCESS FEE PAYMENT

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing External Water Supply Scheme to National Academy of Customs, Indirect Taxes & Narcotics (NACIN), Palasamudram (V), Gorantala Mandal, Sri Satyasai Puttaparthi District". 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.

  
Zonal Manager  
APIIC Ltd., Puttaparthi  
Authorized Signatory.





Serial No:3232

Purchased By :

B NAGARAJU  
S/O B KONDAIAH  
DHARMAVARAM

Denomination: 10

For  
ZONAL MANAGER  
APIIC LTD  
PUTTAPARTHI ZONE

Date 03-06-2023

Stamp S. no 17AB 215218


17AB 215218

Sub Registrar

Ex. Office Stamp Vendor  
SRO Dharmavaram

## UNDERTAKING FOR REPAIR OF ROAD

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing External Water Supply Scheme to National Academy of Customs, Indirect Taxes & Narcotics (NACIN), Palasamudram (V), Gorantala Mandal, Sri Satyasai Puttaparthi District". 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, it 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 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.





Serial No:3233

Purchased By :

B NAGARAJU

S/O B KONDAIAH

DHARMAVARAM

Denomination: 10

For

ZONAL MANAGER

APIIC LTD

PUTTAPARTHI ZONE

Date 03-06-2023

Stamp S. no. 17AB 215219

17AB 215219


Sub Registrar

Ex. Office Stamp Vendor

SRO Dharmavaram

## UNDERTAKING WITH RESPECT TO FUTURE SIX LANING

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing External Water Supply Scheme to National Academy of Customs, Indirect Taxes & Narcotics (NACIN), Palasamudram (V), Gorantala Mandal, Sri Satyasai Puttaparthi District". 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.

  
Zonal Manager  
APIIC Ltd., Puttaparthi  
Authorized Signatory.

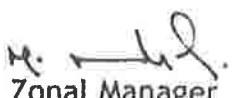


446  
16/06/2023  
Zonal Manager, APIIC Ltd., Puttaparthi zone

14AB 952870  
E. M. S. SWARTI  
12/06/2023  
14AB 952870

### UNDERTAKING WITH ANY ENCROACHMENT

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing External Water Supply Scheme to National Academy of Customs, Indirect Taxes & Narcotics (NACIN), Palasamudram (V), Gorantala Mandal, Sri Satyasai Puttaparthi District". 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.

5/6

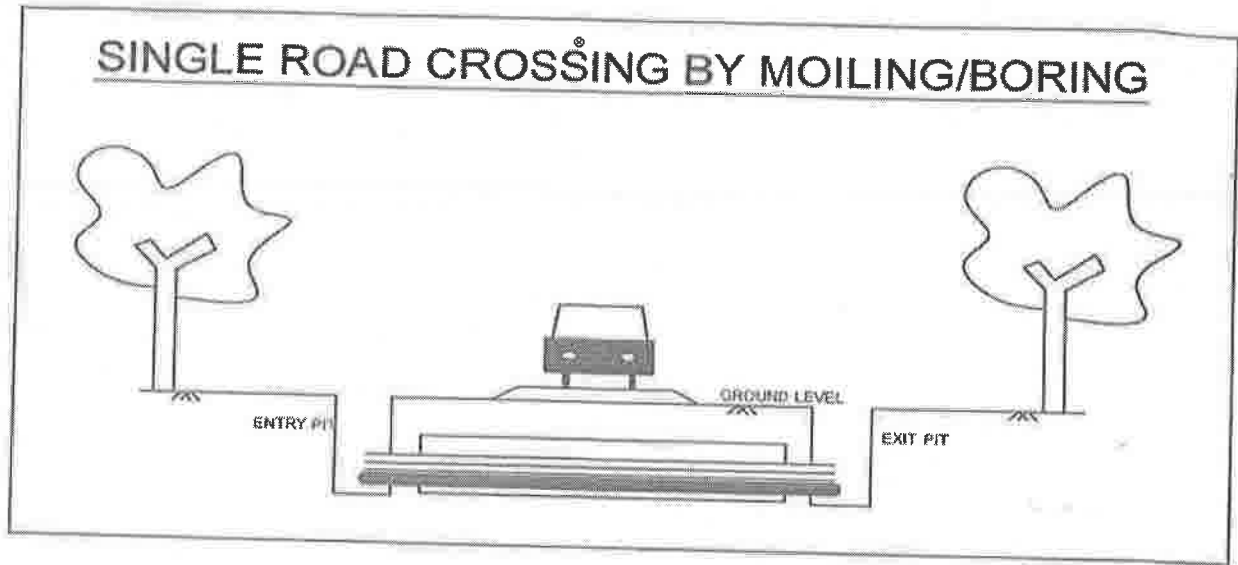


Zonal Manager Aplic Ltd. Pattapammy Zono

APIIC Ltd., Puttaparthi  
Authorized Signatory.



### Methodology adopted for laying of pipeline



### **SINGLE ROAD CROSSTNG BY MOILING / BORING**

#### **Water Body Crossing**

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.



  
**ZONAL MANAGER**  
**APIIC Ltd., Puttaparthi Zone**

### 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 415.500 to Km 441.000 on RHS for a total length of 25500 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

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 3.45m from Km 415.500 to Km 416.400 & trench will be 2.15m from Km 416.400 to Km 441.000 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.

**Backfilling:** 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 2.5m/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. [Signature] 09/6/23  
ZONAL MANAGER  
APIIC Ltd., Puttaparthi Zone  
9/6/23



Methodology adopted for laying of pipeline

Installation of pipeline in crossings by Trenchless Techniques(HDD)

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/hand-hole. The drilled hole profile between entry and exit pits (except transition areas) shall be as straight as possible.

  
S. S. N. M. N. 7




  
ZONAL MANAGER  
APIC Ltd., Puttaparthi Zone  


## Calculation of License Fees

Permission for laying of pipeline by APIIC in the stretch from Km 415.500 to Km 441.000 on Hyderabad Bangalore section of NH 44 (old NH-7) in the State of Andhra Pradesh

Sl.No	Location	Chanaige (in Km)		Length (In Mtrs)	Width (In Mtrs)	Utilized NH Land Area (In Sq.Mtrs)	Prevailling Circle rate of Land in Rs./Acre (As per Revenue Records)	Prevailling Circle rate of Land in Rs./Sq.Mtrs (Rate per Acre/4046.86)	Amount
		From	To						
1	2	3	4	5	6	7(5*6)	8	9	10(7*9)
1	Yarramanchi	415.500	421.000	5500	0.15	825	500000	123.55	1,01,931
2	Rampuram	421.000	424.000	3000	0.15	450	500000	123.55	55,599
3	Penukonda	424.000	432.000	8000	0.15	1200	500000	123.55	1,48,263
4	Somandepalli	432.000	437.100	5100	0.15	765	500000	123.55	94,518
5	Gudipalli	437.100	441.000	3900	0.15	585	500000	123.55	72,278
									<b>4,72,589</b>
License Fee (Rs./Per Month)=Rs.472589/(10*12)									3,938
License Fee for 5 Years=3938*5*12									2,36,294
For Public utility 33% of Industrial utility as per MoRTH No:RW/NH-33044/29/2015/S&R( R ) Dated: 22.11.2016									77,977
									<b>77,977</b>
<b>Performance bank Guarantee Amount calculation</b>									
Amount of Performance Bank Guarantee to be submitted = Total No. of routemeters X Rs. 100/- per route meter (<=300 mm dia/width)									
i.e., 25500 X Rs. 100/- = 25,50,000/-									
<b>Performance bank Guarantee Amount = 25,50,000/-</b>									



  
 Zonal Manager  
 APIIC Ltd, Puttaparthi Zone





**REGISTRATION & STAMPS DEPARTMENT**  
GOVERNMENT OF ANDHRA PRADESH

**Unit Rates Village Wise**

<b>District Name</b>	<b>Mandal Name</b>	<b>City/Town/Village</b>	<b>Survey No.</b>
SRI SATHYA SAI	PENUKONDA	ERRAMANCHI	<div>Select</div> <div>↑To view Survey No. Wise Details</div>

S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre	Effective Date (dd/mm/yyyy)
1.	HARIPURAM	Dry land	165,000	10/08/2020
2.	KURUBAVANDLAPALLI	Dry land	165,000	10/08/2020
3.	ERRAMANCHI	Dry land	165,000	10/08/2020
4.	ERRAMANCHI	Wet Land double crop	165,000	10/08/2020
5.	KURUBAVANDLAPALLI	Wet Land double crop	165,000	10/08/2020
6.	HARIPURAM	Wet Land double crop	165,000	10/08/2020
7.	HARIPURAM	Coconut Garden	165,000	10/08/2020
8.	KURUBAVANDLAPALLI	Coconut Garden	165,000	10/08/2020
9.	ERRAMANCHI	Coconut Garden	165,000	10/08/2020
10.	KURUBAVANDLAPALLI	House Sites	1,452,000	10/08/2020
11.	ERRAMANCHI	House Sites	1,452,000	10/08/2020
12.	HARIPURAM	House Sites	1,452,000	10/08/2020

S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre	Effective Date (dd/mm/yyyy)
13.	ERRAMANCHI	Agricultural Land fit for H.S.	1,064,800	10/08/2020
14.	HARIPURAM	Agricultural Land fit for H.S.	1,064,800	10/08/2020
15.	KURUBAVANDLAPALLI	Agricultural Land fit for H.S.	1,064,800	10/08/2020
16.	HARIPURAM	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2020
17.	KURUBAVANDLAPALLI	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2020
18.	ERRAMANCHI	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2020

[Back](#)
**Note :**

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

2. For further details contact Sub Registrar office

**PENUKONDA,**

1/253, Court Road

, Penukonda

Penukonda

**Phone : 220278**



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Last Updated: 01-JAN-2023



**REGISTRATION & STAMPS DEPARTMENT**  
GOVERNMENT OF ANDHRA PRADESH

**Unit Rates Village Wise**

District Name	Mandal Name	City/Town/Village	Survey No.
SRI SATHYA SAI	SOMANDEPALLE	GUDIPALLE	<div>Select</div> <div>↑To view Survey No. Wise Details</div>

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 office

**PENUKONDA,**

1/253, Court Road

, Penukonda

Penukonda

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**REGISTRATION & STAMPS DEPARTMENT**  
GOVERNMENT OF ANDHRA PRADESH

**Unit Rates Village Wise**

<b>District Name</b>	<b>Mandal Name</b>	<b>City/Town/Village</b>	<b>Survey No.</b>
SRI SATHYA SAI	PENUKONDA	PENUKONDA (RURAL)	<div>Select</div> <div>To view Survey No. Wise Details</div>

S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre	Effective Date (dd/mm/yyyy)
1.	PENUKONDA	Dry land	265,000	10/08/2020
2.	ISLAPURAM	Dry land	265,000	10/08/2020
3.	KONAPURAM	Dry land	265,000	10/08/2020
4.	KONDAPURAM	Dry land	265,000	10/08/2020
5.	MANGAPURAM	Dry land	265,000	10/08/2020
6.	THIMMAPURAM	Dry land	265,000	10/08/2020
7.	VENKAREDDY PALLI	Dry land	265,000	10/08/2020
8.	ISLAPURAM	Wet Land double crop	265,000	10/08/2020
9.	KONAPURAM	Wet Land double crop	265,000	10/08/2020
10.	KONDAPURAM	Wet Land double crop	265,000	10/08/2020
11.	MANGAPURAM	Wet Land double crop	265,000	10/08/2020
12.	THIMMAPURAM	Wet Land double crop	265,000	10/08/2020
13.	VENKAREDDY PALLI	Wet Land double crop	265,000	10/08/2020

S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre	Effective Date (dd/mm/yyyy)
14.	PENUKONDA	Wet Land double crop	265,000	10/08/2020
15.	KONAPURAM	Coconut Garden	265,000	10/08/2020
16.	KONDAPURAM	Coconut Garden	265,000	10/08/2020
17.	MANGAPURAM	Coconut Garden	265,000	10/08/2020
18.	THIMMAPURAM	Coconut Garden	265,000	10/08/2020
19.	VENKAREDDY PALLI	Coconut Garden	265,000	10/08/2020
20.	PENUKONDA	Coconut Garden	265,000	10/08/2020
21.	ISLAPURAM	Coconut Garden	265,000	10/08/2020
22.	ISLAPURAM	House Sites	8,712,000	10/08/2020
23.	KONAPURAM	House Sites	8,712,000	10/08/2020
24.	KONDAPURAM	House Sites	8,712,000	10/08/2020
25.	MANGAPURAM	House Sites	8,712,000	10/08/2020
26.	PENUKONDA	House Sites	8,712,000	10/08/2020
27.	THIMMAPURAM	House Sites	8,712,000	10/08/2020
28.	VENKAREDDY PALLI	House Sites	8,712,000	10/08/2020
29.	PENUKONDA	Agricultural Land fit for H.S.	5,808,000	10/08/2020
30.	KONDAPURAM	Agricultural Land fit for H.S.	5,808,000	10/08/2020
31.	MANGAPURAM	Agricultural Land fit for H.S.	5,808,000	10/08/2020
32.	THIMMAPURAM	Agricultural Land fit for H.S.	5,808,000	10/08/2020
33.	VENKAREDDY	Agricultural Land fit for	5,808,000	10/08/2020



S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre	Effective Date (dd/mm/yyyy)
	PALLI	H.S.		
34.	ISLAPURAM	Agricultural Land fit for H.S.	5,808,000	10/08/2020
35.	KONAPURAM	Agricultural Land fit for H.S.	5,808,000	10/08/2020
36.	ISLAPURAM	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2020
37.	PENUKONDA	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2020
38.	KONDAPURAM	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2020
39.	MANGAPURAM	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2020
40.	THIMMAPURAM	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2020
41.	KONAPURAM	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2020
42.	VENKAREDDY PALLI	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2020

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**Note :**

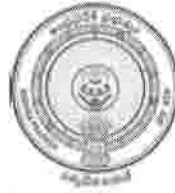
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, Penukonda



**REGISTRATION & STAMPS DEPARTMENT**  
**GOVERNMENT OF ANDHRA PRADESH**

**Unit Rates Village Wise**

<b>District Name</b>	<b>Mandal Name</b>	<b>City/Town/Village</b>	<b>Survey No.</b>
SRI SATHYA SAI	PENUKONDA	RAMPURAM	<div>Select</div> <div>↑To view Survey No. Wise Details</div>

S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre	Effective Date (dd/mm/yyyy)
1.	HANUMPALLI	Dry land	130,000	10/08/2020
2.	MARUVAPALLI	Dry land	130,000	10/08/2020
3.	RAMPURAM	Dry land	130,000	10/08/2020
4.	HANUMPALLI	Wet Land double crop	130,000	10/08/2020
5.	MARUVAPALLI	Wet Land double crop	130,000	10/08/2020
6.	RAMPURAM	Wet Land double crop	130,000	10/08/2020
7.	HANUMPALLI	Coconut Garden	130,000	10/08/2020
8.	RAMPURAM	Coconut Garden	130,000	10/08/2020
9.	MARUVAPALLI	Coconut Garden	130,000	10/08/2020
10.	HANUMPALLI	House Sites	1,452,000	10/08/2020
11.	MARUVAPALLI	House Sites	1,452,000	10/08/2020
12.	RAMPURAM	House Sites	1,452,000	10/08/2020
13.	HANUMPALLI	Agricultural Land fit for H.S.	1,064,800	10/08/2020

S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre	Effective Date (dd/mm/yyyy)
14.	RAMPURAM	Agricultural Land fit for H.S.	1,064,800	10/08/2020
15.	MARUVAPALLI	Agricultural Land fit for H.S.	1,064,800	10/08/2020
16.	RAMPURAM	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2020

[Back](#)
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Last Updated: 01-JAN-2023







**REGISTRATION & STAMPS DEPARTMENT**  
**GOVERNMENT OF ANDHRA PRADESH**

**Unit Rates Village Wise**

District Name	Mandal Name	City/Town/Village	Survey No.
SRI SATHYA SAI	SOMANDEPALLE	SOMANDEPALLE	<input type="text" value="Select"/> <a href="#">To view Survey No. Wise Details</a>

S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre	Effective Date (dd/mm/yyyy)
1.	CHAKARLAPALLE	Dry land	265,000	10/08/2020
2.	SOMANDEPALLE	Dry land	265,000	10/08/2020
3.	NALLAGONDRAYANIPALLE	Dry land	265,000	10/08/2020
4.	PAPIREDDYPALLE	Dry land	265,000	10/08/2020
5.	CHAKARLAPALLE	Wet Land double crop	265,000	10/08/2020
6.	NALLAGONDRAYANIPALLE	Wet Land double crop	265,000	10/08/2020
7.	PAPIREDDYPALLE	Wet Land double crop	265,000	10/08/2020
8.	SOMANDEPALLE	Wet Land double crop	265,000	10/08/2020
9.	SOMANDEPALLE	Coconut Garden	265,000	10/08/2020
10.	CHAKARLAPALLE	Coconut Garden	265,000	10/08/2020
11.	NALLAGONDRAYANIPALLE	Coconut Garden	265,000	10/08/2020
12.	PAPIREDDYPALLE	Coconut Garden	265,000	10/08/2020

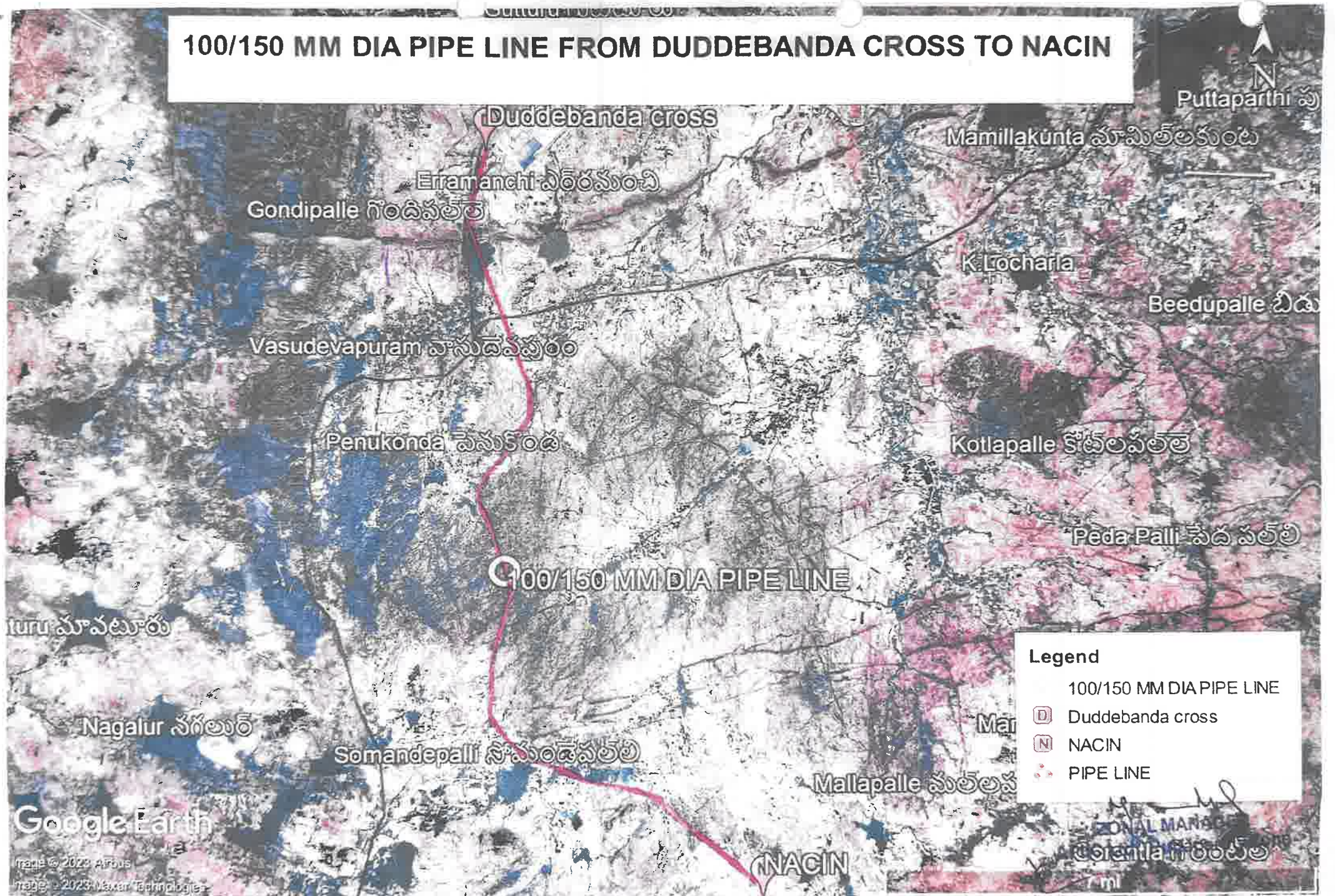
S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre	Effective Date (dd/mm/yyyy)
13.	PAPIREDDYPALLE	House Sites	6,776,000	10/08/2020
14.	CHAKARLAPALLE	House Sites	6,776,000	10/08/2020
15.	NALLAGONDRAYANIPALLE	House Sites	6,776,000	10/08/2020
16.	SOMANDEPALLE	House Sites	6,776,000	10/08/2020
17.	CHAKARLAPALLE	Agricultural Land fit for H.S.	4,356,000	10/08/2020
18.	NALLAGONDRAYANIPALLE	Agricultural Land fit for H.S.	4,356,000	10/08/2020
19.	PAPIREDDYPALLE	Agricultural Land fit for H.S.	4,356,000	10/08/2020
20.	SOMANDEPALLE	Agricultural Land fit for H.S.	4,356,000	10/08/2020
21.	CHAKARLAPALLE	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2020
22.	NALLAGONDRAYANIPALLE	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2020
23.	PAPIREDDYPALLE	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2020
24.	SOMANDEPALLE	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2020

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# 100/150 MM DIA PIPE LINE FROM DUDDEBANDA CROSS TO NACIN







भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)  
**NATIONAL HIGHWAYS AUTHORITY OF INDIA**  
(Ministry of Road Transport & Highways, Government of India)



परियोजना कार्यान्वयन इकाई - अनंतपुर  
# 6-4-239, 3rd क्रॉस, मारुथी नगर, अनंतपुर  
**PROJECT IMPLEMENTATION UNIT - ANANTHAPUR**

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

NHAI/PIU-ATP/11021/23/NOC/0466

03.05.2023

Zonal Manager  
APIIC Limited  
Zonal Office, Near KIA Motors  
Duddebanda Cross  
Erramanchi - 515 164  
Email Id: [zm-hindupur@apiic.in](mailto:zm-hindupur@apiic.in)

**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 415.500 to Km 441.000 (RHS) (From KIA Motors to Palasamudram junction) - Undertaking along with methodology- submitted- Approval- Requested- reg.,**

**Ref:** 1. DPR Consultant, M/s Aarvee Associates letter no.0714 dtd 29.04.2023.  
2. This office letter no.0445 dtd 25.04.2023.  
3. Zonal Manager, APIIC Ltd, Puttaparthi letter no. 1417 dtd 14.03.2023

Sir,

This has reference to the letter under reference cited 3<sup>rd</sup> 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 415.500 to Km 441.000 (From KIA Motors to Palasamudram junction).

2. In this regard, this office vide letter cited under reference 2<sup>nd</sup> above has requested the DPR consultant appointed for taking up six laning of the subject stretch to inspect the site and furnish their comments/ observations in respect of the above proposal, keeping in view of the 6 laning work, existing utilities, proposed utility duct and all the standard conditions issued vide Ministry / NHAI Circulars, at the earliest for further necessary action.
3. In this connection, the DPR consultant vide their letter cited under reference 1<sup>st</sup> above has informed that they have inspected the site and furnished their comments/ observations as detailed below.
  - a) Applicant has proposed to lay the water pipeline from Km.415+500 to 441+000 (RHS).
  - b) There are existing pipelines which are already laid from Km.416+200 to 432+900 (RHS) of 900mm diameter belongs to Public Health Department and Km.416+200 to 439+200 (RHS) of 300mm diameter belongs to APIIC.
  - c) Service road has been proposed on entire project highway on both sides.
  - d) There a ROB existed at Km.420+500. Applicant may be requested to obtain the necessary clearances from Railway authority.
  - e) It is to mention that 1 No's ROB, 7 No's Minor Bridges, 1 No's VUPS and 2 No's PUPs are existed on the section from Km.415+500 to 441+000. Further, 4 No's Flyovers and 11No's VUPS, have been proposed at aforesaid section as per the Draft Detailed Project Report. The list is enclosed at Annexure- I. The Following TCS has been proposed as per the Draft Detailed Project Report.

*[Signature]*

**Building a Nation, Not Just Roads**



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 LHS Toe Wall	IE
3	Typical Cross Section for Widening of Existing 4-Lane to 6-Lane with raised median and service roads on both sides	II
4	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
5	Typical Cross Section for 6-Lane LVUP/VUP/Flyover approach with service roads on both sides (New Construction)	IVA
6	Typical Cross Section for Widening of Existing 4-Lane to 6-VUP/VUP/Flyover approach with service roads on both sides (Widening)	IVB
7	Typical Cross Section for 6-Lane ROB/LVUP/VUP approach retained (Overlay)+ Service Road (New)	IVC
8	Typical Cross section for existing 6 lane without service road (overlay)	XIB

- f) In view of above, DPR consultant has informed that keeping in view of proposed structures & existing pipelines, applicant may be requested to explore the alternate options for above proposal.
4. In view of above, as informed by the DPR Consultant, keeping in view of existing utilities, RoW restrictions due to existing water bodies, Hilly areas on RHS, the applicant is requested to submit the proposal accordingly in the utility corridor shown in TCS as said above and also requested to shift the existing APIIC department water pipeline to the utility corridor of NHAI.
5. In continuation, APIIC may also propose the pipeline to be laid under the newly proposed service road on RHS by construction of concrete ducts, having width not less than one lane (3.5m), which would be designed to carry traffic on top as per clause 2.6 of MoRT&H Guidelines F.No.RW/NH-33044/29/2015 /S&R(R)dated 22.11.2016.
6. As such, it is requested to conduct a joint site inspection along with the representatives of APIIC, DPR Consultant, Supervision consultant of NHAI for finalising the feasible locations towards laying of proposed pipeline and for examining the possible alternate routes.

Yours faithfully

Encl: As above

  
(J.L. Meena)

DGM (Tech.) & Project Director

Copy to:

1. The Team Leader, M/s. SA Infrastructure Consultants Pvt. Ltd., Anantapur for information.
2. DPR Consultant, M/s Aarvee Associates for information.
3. Consultant, M/s MSV International Inc., for information.

Letter No. AA/HW/NHAI/2446/2023-24/**0714**

Date: 29.04.2023

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"- **APIICL-KIA-Permission for laying of water supply pipeline along Hyderabad-Bangalore section of NH-44 from Km 415.500 to Km 441.000 (RHS) (From KIA Motors to Palasamudram junction) - Report submitted**

**Ref:** 1 NHAI Letter No. NHAI/PIU-ATP/11023/23/NOC/0445 Dt.25.04.2023

Dear Sir,

This has reference to the letter cited on subject matter. PD-PIU-Anantapur while enclosing the proposal for laying water pipeline from Km.415+500 to 441+000 (RHS) on Hyderabad-Bangalore section of NH-44, requested us to inspect the site and furnish a detailed report vide letter 1<sup>st</sup> cited above. The proposal has been examined the comments & observations are as under:

- i. Applicant has proposed to lay the water pipeline from Km.415+500 to 441+000 (RHS).
- ii. The pipelines are already laid from Km.416+200 to 432+900 (RHS) of 900mm diameter belongs to Public Health Department and Km.416+200 to 439+200 (RHS) of 300mm diameter belongs to APIICL.
- iii. Service road has been proposed on entire project highway on both sides.
- iv. The stretch from Km.415+600 to Km.416+300 is excluded from the scope of ongoing DPR work, as it is being developed separately. Therefore, the Authority is requested to obtain the comments from the consultant who is appointed for development of KIA section.
- v. There a ROB existed at Km.420+500. Applicant may be requested to obtain the necessary clearances from Railway authority.
- vi. It is to mention that 1 No's ROB, 7No's Minor Bridges, 1 No's VUPs and 2 No's PUPs are existed on the section from Km.415+500 to 441+000. Further, 4 No's Flyovers and 11No's VUPs, have been proposed at aforesaid section as per the Draft Detailed Project Report. The list is enclosed at **Annexure- I**. The Following TCS has been proposed as per the Draft Detailed Project Report.

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 LHS Toe Wall	IE
3	Typical Cross Section for Widening of Existing 4-Lane to 6-Lane with raised median and service roads on both sides	II
4	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
5	Typical Cross Section for 6-Lane LVUP/VUP/Flyover approach with service roads on both sides (New Construction)	IVA
6	Typical Cross Section for Widening of Existing 4-Lane to 6-LVUP/VUP/Flyover approach with service roads on both sides (Widening)	IVB
7	Typical Cross Section for 6-Lane ROB/LVUP/VUP approach retained (Overlay) + Service Road (New)	IVC
8	Typical Cross section for existing 6 - lane without service road (overlay)	XI B

In view of the above proposed structures & existing pipelines, applicant may be requested to explore the alternate options for above proposal.

This is submitted for taking further necessary action.

With Best Regards,

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



**(S. S Reddy)**

Team Leader cum Senior Highway Engineer

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

## EXISTING/PROPOSED STRUCTURES

## (1) Details of ROB's:

S. No	Design Chainage (Km)	Existing Span Arrangement (m)	Bridge Configuration	Recommendation
1	420+500	1 x 16.440 (N) + 1 x 30.055(N)	LHS-3-Lane, RHS-3-Lane	LHS & RHS-Retained

## (2) Details of Minor Bridges:

S. No	Design Chainage (Km)	Existing Span Arrangement(m)	Existing Lane Configuration	Proposed Span (m)	Recommendation
01	415+903	1 x 9.8 (Exp)(LHS), 2 x 4.90 (RHS)	3 lane + M + 3 lane	-	Retained
02	418+449	Box type 2 x 5 m (i/i)	2 lane + M + 2 lane	2 x 5.0(clear)	R & W
03	419+834	Box type 2 x 5 m (i/i)	2 lane + M + 2 lane	2 x 5.0(clear)	MCW-D & R SR-New
04	422+730	1 x 7.0 (Clear)	3 lane + M + 3 lane	-	MCW-Retained, SR-New
05	430+383	1 x 15.60 (Exp)	3 lane + M + 3 lane	1 x 16.0	MCW-D & R SR-New
06	432+640	2 x 5.0 (Clear)	2 lane + M + 2 lane	2 x 5.0(clear)	MCW-D & R SR-New
07	436+084	1 x 10.60 (Exp) (Skew)	2 lane + M + 2 lane	1 x 10.60	D & R

## (3) Details of Grade Separator Structures:

## (a) Flyovers

S No	Design Chainage	Proposed Width (m)	Proposed Clear Span (m)	Vertical Clearance(m)	Remarks
01	417+622	2x14.5	1 x 15.0+ 1 x 30.0+1 x 15.0	5.5	Normal
02	425+986	2x14.5	1 x 15.0+ 1 x 30.0+1 x 15.0	5.5	Normal
03	432+163	2x14.5	1 x 15.0+ 1 x 30.0+1 x 15.0	5.5	Normal
04	433+802	2x14.5	1 x 15.0+ 1 x 30.0+1 x 15.0	5.5	Normal

## (b) Vehicular Under Passes (Existing):

Sl. No	Existing Chainage	Design Chainage	Existing Type	Existing width, m	Existing Span Arrangement(m)	Proposal
01	423+575	423+757	RCC Girder & Slab	2x14.18	1 x 16.50 (Exp)	Retained



(c) Vehicular Underpasses (New)

S No	Design Chainage	Proposed Width (m)	Proposed Clear Span (m)	Vertical Clearance(m)	Remarks
01	416+690	2x14.5	1 x 15.0	5.5	Normal
02	419+548	2x14.5	1 x 15.0	5.5	Normal
03	425+040	2x14.5	1 x 15.0	5.5	Normal
04	427+868	2x14.5	1 x 15.0	5.5	Normal
05	430+850	2x14.5	1 x 15.0	5.5	Normal
06	435+548	2x14.5	1 x 15.0	5.5	Normal
07	436+145	2x14.5	1 x 15.0	5.5	Normal
08	437+555	2x14.5	1 x 30.0	5.5	Normal
09	439+750	2x14.5	1 x 30.0	5.5	Normal
10	440+706	2x14.5	1 x 15.0	5.5	Normal
11	441+744	2x14.5	1 x 15.0	5.5	Normal

(d) Pedestrian Underpasses (Existing)

Sl. No	Existing Chainage	Design Chainage	Existing Type	Existing Width, m	Existing Span arrangement, m	Remarks
01	419+834	420+050	RCC Box	27.6	1 x 5.50 (O/O)	-
02	434+118	434+325	RCC Box	27.7	1 x 5.3(O/O)	-

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भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)  
**NATIONAL HIGHWAYS AUTHORITY OF INDIA**  
(Ministry of Road Transport & Highways, Government of India)



परियोजना कार्यान्वयन इकाई - अनंतपुर  
# 6-4-239, 3rd क्रॉस, मरुथी नगर, अनंतपुर  
**PROJECT IMPLEMENTATION UNIT - ANANTHAPUR**  
# 6-4-239, 3rd Cross, Maruthi Nagar, Ananthapur - 515 004.

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

**NHAI/PIU-ATP/11021/23/NOC/0445**

**25.04.2023**

**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.**

**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 415.500 to Km 441.000 (RHS) (From KIA Motors to Palasamudram junction) - Undertaking along with methodology- submitted- Approval- Requested- reg.,

**Ref:** Zonal Manager, APIIC Ltd, Puttaparthi letter no. 1417 dtd 14.03.2023

**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 415.500 to Km 441.000 (From KIA Motors to Palasamudram junction).

2. In this regard, the DPR Consultant 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

Yours truly

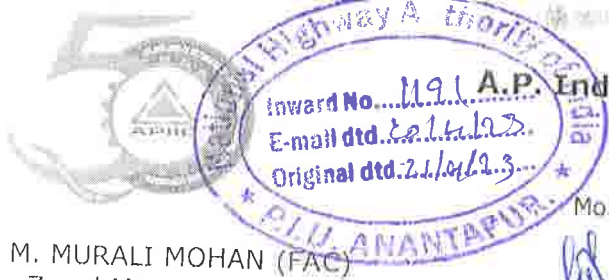
(J.L. Meena)

**DGM (Tech.) & Project Director**

**Copy to:**

1. The Team Leader, M/s. SA Infrastructure Consultants Pvt. Ltd., Anantapur for information and taking necessary action as per the MoRT&H Guidelines.
2. Zonal Manager, APIIC Ltd, Puttaparthi for information.

**Building a Nation, Not Just Roads**



(A Government of Andhra Pradesh Undertaking)  
Zonal Office, Near KIA Training Centre, Duddebanda Road,  
Erramanchi - 515 164  
Mobile No. 9666707733, Mail id: [zm-hindupur@apiic.in](mailto:zm-hindupur@apiic.in)

M. MURALI MOHAN (FAC)  
Zonal Manager

Lr.No. APIIC/ZO/PTP/BWS-NACIN/2022/1417

Dt. 14.03.2023.

From  
M. Murali Mohan,  
Zonal Manager,  
APIIC Limited,  
Puttaparthi Zone.

To  
The Project Director  
National Highways Authority of India  
Anantapuramu.  
Anantapuramu Dist.

Sir,

**Sub: APIIC - ZO- Puttaparthi- Providing External Water Supply Scheme to NACIN, Puttaparthi District, Andhra Pradesh** - Permission to lay water pipeline along Hyderabad - Bengaluru of NH-44 road from Km 415/500 TO 441/000 (From KIA Motors to Palasamudram Junction) (RHS) 25.500 kms under NHAI, PIU- Ananthapuramu - Under taking along with methodology - Submitted - Approvals - Request reg.

**Ref: 1.** F.No: RW/NH-33044/27/2015-S&R(R) dated 22.11.2016 of government of India MORTH  
2.T.O.Lr.No: APIIC/ZO/PTP/BSW-NACIN/2022 DT: 07.03.2023

@@@

In this context, we wish to inform you that we propose to lay 150 mm dia DI-K9 and 100 mm dia DI K7 pipe lines from Hyderabad Bengaluru Road NH-44 road from Km 415/500 TO 441/000 (From KIA Motors to Palasamudram Junction) (RHS) 25.500 kms to facilitate Raw water to the NACIN in Penukonda Constituency.

We are here with submitting plan showing the proposed pipe line Path, under takings with respect to MORTH circular, Calculation sheet and Methodology for laying of Pipe line along NH44.

We proposed to excavate the work by open cut /HDD or any other suitable method to construct Raw water pipe line. The work shall be carried out as per standards guidelines and polices for laying of pipe line and construction of chambers for above said route.

Hence, we request you to kindly accord ROW permission.

Necessary charges if any, will be paid after receipt of demand.

**Encl:** As above

Yours Faithfully,

M. Murali Mohan  
ZONAL MANAGER,  
APIIC Ltd, Puttaparthi Zone.

Copy submitted to The Chief Engineer-II, APIIC Limited, Head Office, Mangalagiri.

### CHECK LIST

Guidelines for project Directors for processing the proposal for Providing External Water Supply Scheme to NACIN, Palasamudram (V), Gorantla Mandal, Sri Satyasai Puttaparthi District in the land along National Highways vested with NHAI.

Sl.No	Item		Remarks
1	General Information	Providing External water supply scheme to NACIN (Gollapalli reservoir) in Constituency, Sri Satya Sai district.	
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	Near KIA MOTERS Penukonda	
1.5	Chainage/Km	NH-44 road from Km 415/500 to 441/000 (RHS) 25.500 Kms along the road (25500mts) (From KIA Motors to Palasamudram Junction)	
1.6	Length in meters	25500mts	
1.7	Width of available Row		
	a) Left side from centre line towards increasing chainage /Kms direction	30M	
	b) Right side from centre line towards increasing chainage/km direction	30M	
1.8	Proposal to lay the utility		
	a) Left side from centre line towards increasing chainage /Kms direction		
	b) Right side from centre line towards increasing chainage/km direction	Yes as per the drawings attached (utility corridor)	
1.9	Proposal to acquire the land	NA	
	a) Left side from centre line	-	
	b) Right side from centre line	-	
1.10	Whether proposal is in the same side where land is not to be acquired If not then where to lay the cable	YES	
1.11	Details of already laid services, if any along the proposed root	APIIC Pipe line from Km 415/500 to 441/000 (RHS)	
1.12	Number of existing lanes (2,4,6,8 lanes)	4 lane	
1.13	Proposed number of lanes 2 lane with paved shoulders/4/6/8 lanes)	NA	
1.14	Service road existing or not If yes then which side	NA	
	a) Left side from centre line		
	b) Right side from centre line		
1.15	Proposed service road	NA	



	a) Left side from centre line		
	b) Right side from centre line		
1.16	Whether proposal to lay the utility is after the service road or between the service road and main carriage way	In Utility Corridor	
1.17	Whether carrying of water pipeline has been proposed on highway/ bridges if yes then mention the methodology proposed for the same	NA	
	Whether carrying of water pipeline has been proposed on the parapet bar any part of the bridges. If yes then mention the methodology proposed for the same	NA	
	a) Whether the existing drainage structures are allowed to carry the utility pipeline	NA	
	b) Is it on align normal to the NH	NA	
	c) What is the distance of crossing the utility pipelines from the existing structures crossing shall not be too near the existing structures on the National Highways. The minimum distance being 15mts.	NA	
	d) The casing pipe carrying the utility line shall be of steel, cast iron or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of carrier pipe/cable	Yes	
	Mention type of casing	RCC pipe line	
	e) Ends of the casing pipe shall be sealed from the outside. So that it does not act as a drainage path	Yes	
	f) The top of the casing pipe should be atleast 1.2mts below the surface of the road subject to being atleast 0.3mts below the drain inverts	Yes	
	Mention the proposed details		
	g) Mention the methodology 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.D.D	
	h) The casing pipe shall be installed with an even baring throughout its length and in such a manner as to prevent the formation of a water way along it		

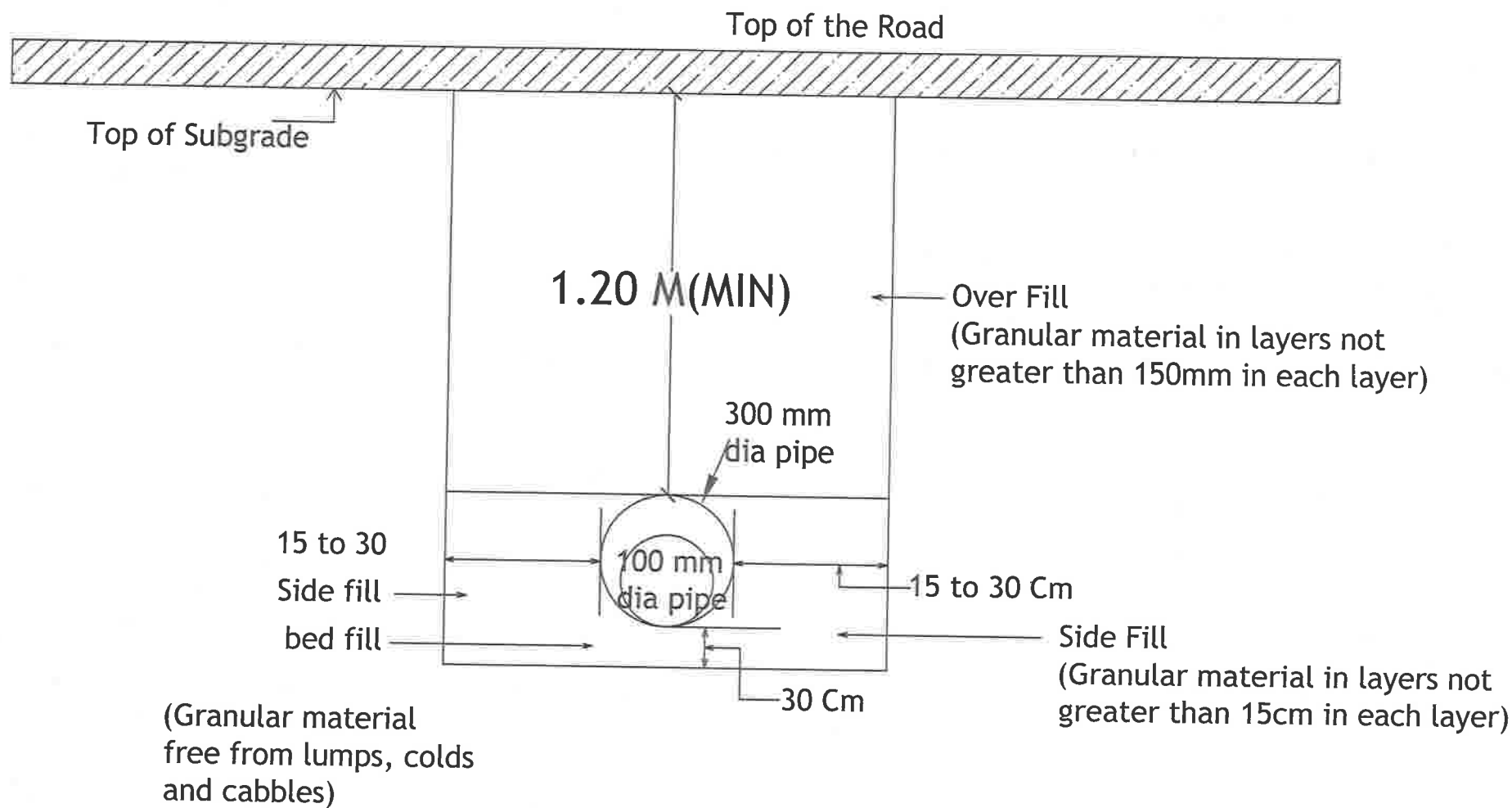
1.18	No of applications on the same stretch	1	
1.19	Whether the case of multiple licences	No	
1.20	If so furnish a joint implementation programmer to lay their respective ducts within stipulated time frame.	NA	
	If crossing of the road involved If Yes, it shall be through trenchless technology	NA	
2	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		
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 utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type	Backfill the soil excavated with compaction at the rate of every 300mm	
2.4.2	Horizontal directional drilling method (HDD method)	Only the cross road crossing	
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		
4.2	Confirmation of BG has been obtained are not as per MORTH/ NHAH Guidelines	BG shall be submitted as per NHAH 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 NHAH or to the concerned agencies	Yes Enclosed	
5.2	Undertaking for renewal of BG as when asked by MORTH/NHAH	Yes will be obtained after submission of BG	

5.3	Undertaking for confirming all standard condition of Ministry/NHA guideline	Yes Enclosed	
5.4	Shifting of Pipe line as and when required by NHA	Yes	
5.5	Shifting due to 6 Lining / 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 deed 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 NHA 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	
	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"		
	b) In case feasibility report is not available " I do certify that sufficient ROW at site for accommodating proposed 6 lining"		

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 (..... Section from Km..... to Km..... of NH no:- ..... on build. (Operate and transfer basis) and the license shall honour the same.	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 NHAI	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.	Yes	

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





**FIGURE-2 INSTALLATION OF CASING PIPE FOR CROSSING THE ROAD**

*[Signature]*  
 Zonal Manager  
 APIIC LTD, Puttaparthi Zone

**Name of work:** - "Providing External Water Supply Scheme to NACIN, Palasamudram (V), Gorantla Mandal, Sri Satyasai Puttaparthi District along NH-44 road from Km 415/500 to 441/000 (RHS) 25.500 Kms."

**Calculation of license fee:**

Outer Dia. of Utility line = 0.15m 0.15m

Length of Utility line = 25500 m 1000m

**A. 150mm dia. Pipe along the NH**

1) At Erramanchi Village along the NH-44 30,00,000

Prevailing circle rate of land per unit area = Rs. 500000 / Acre

$$= 500000 / 4047/1\text{Sq.M} = \text{Rs. } 123.55 / \text{Sq.M}$$

2) At Rampuram Village along the NH-44 741.29/50m

Prevailing circle rate of land per unit area = Rs. 500000 / Acre

$$= 500000 / 4047/1\text{Sq.M} = \text{Rs. } 123.55 / \text{Sq.M}$$

3) At Penukonda Rural Village along the NH-44

Prevailing circle rate of land per unit area = Rs. 500000 / Acre

$$= 500000 / 4047/1\text{Sq.M} = \text{Rs. } 123.55 / \text{Sq.M}$$

4) At Somandepalli Village along the NH-44

Prevailing circle rate of land per unit area = Rs. 500000 / Acre

$$= 500000 / 4047/1\text{Sq.M} = \text{Rs. } 123.55 / \text{Sq.M}$$

5) At Gudipalli Village along the NH-44

Prevailing circle rate of land per unit area = Rs. 500000 / Acre

$$= 500000 / 4047/1\text{Sq.M} = \text{Rs. } 123.55 / \text{Sq.M}$$

6) At Palasamudram Village along the NH-44

Prevailing circle rate of land per unit area = Rs. 770000 / Acre

$$= 770000 / 4047/1\text{Sq.M} = \text{Rs. } 190.26 / \text{Sq.M}$$

Average Prevailing circle rate of land per unit area at Six locations

$$= (500000 + 500000 + 500000 + 500000 + 500000 + 500000 + 770000) / (6 \times 4047) = \text{Rs. } 155.26 / \text{Sq.M}$$

License Fee (Rs./Month) = ( Utilized NH land area x Prevailing circle rate of land per unit area) / (10x12)

$$= (25190 \times 0.15 \times 155.26) / (10 \times 12)$$

$$= \text{Rs. } 4888.75 / \text{Month} \text{ ----- A}$$

$$= 2495.68$$

**B. Casing Pipe across the NH**

Outer Dia. of Utility line = 0.30m

Length of Utility line = 310.00 m

**1) At Erramanchi Village along the NH-44**

Prevailing circle rate of land per unit area = Rs.500000 /Acre

$$= 500000 / 4047/1\text{Sq.M} = \text{Rs. } 123.55 / \text{Sq.M}$$

**2) At Rampuram Village along the NH-44**

Prevailing circle rate of land per unit area = Rs.500000 /Acre

$$= 500000 / 4047/1\text{Sq.M} = \text{Rs. } 123.55 / \text{Sq.M}$$

**3) At Penukonda Rural Village along the NH-44**

Prevailing circle rate of land per unit area = Rs.500000 /Acre

$$= 500000 / 4047/1\text{Sq.M} = \text{Rs. } 123.55 / \text{Sq.M}$$

**4) At Penukonda Rural Village along the NH-44**

Prevailing circle rate of land per unit area = Rs.500000 /Acre

$$= 500000 / 4047/1\text{Sq.M} = \text{Rs. } 123.55 / \text{Sq.M}$$

**5) At Penukonda Rural Village along the NH-44**

Prevailing circle rate of land per unit area = Rs.500000 /Acre

$$= 500000 / 4047/1\text{Sq.M} = \text{Rs. } 123.55 / \text{Sq.M}$$

**6) At Somandepalli Village along the NH-44**

Prevailing circle rate of land per unit area = Rs.500000 /Acre

$$= 500000 / 4047/1\text{Sq.M} = \text{Rs. } 123.55 / \text{Sq.M}$$

**7) At Somandepalli Village along the NH-44**

Prevailing circle rate of land per unit area = Rs.500000 /Acre

$$= 500000 / 4047/1\text{Sq.M} = \text{Rs. } 123.55 / \text{Sq.M}$$

**8) At Somandepalli Village along the NH-44**

Prevailing circle rate of land per unit area = Rs.500000 /Acre

$$= 500000 / 4047/1\text{Sq.M} = \text{Rs. } 123.55 / \text{Sq.M}$$

**9) At Gudipalli Village along the NH-44**

Prevailing circle rate of land per unit area = Rs.500000 /Acre

$$= 500000 / 4047/1\text{Sq.M} = \text{Rs. } 123.55 / \text{Sq.M}$$

**10) At Gudipalli Village along the NH-44**

Prevailing circle rate of land per unit area = Rs.500000 /Acre

$$= 500000 / 4047/1\text{Sq.M} = \text{Rs. } 123.55 / \text{Sq.M}$$

Average Prevailing circle rate of land per unit area at Ten locations

$$= (500000 + 500000 + 500000 + 500000 + 500000 + 500000 + 500000 + 500000 + 500000 + 500000) / (10 \times 4047) = \text{Rs. } 123.55 / \text{Sq.M}$$

License Fee (Rs./Month) = ( Utilized NH land area x Prevailing circle rate of land per unit area) / (10x12)

$$= (310.00 \times 0.30 \times 123.55) / (10 \times 12)$$

$$= \text{Rs. } 95.75 / \text{Month} \text{----- B}$$

$$A + B = 4888.75 + 95.75 = 4984.50 / \text{Month}$$

Licence Fee described above is for Industrial Utilities.

Licence Fee for public Utility (Water supply) is 33% of fee for Industrial Utilities.

Therefore the Licence Fee (Rs./Month) =  $4984.50 \times 33\%$

$$= \text{Rs. } 1644.88 / \text{Month}$$

License fee for 5Years

$$= \text{Rs. } 1644.88 \times 12 \times 5$$

$$= \text{Rs. } 986932.80$$

$$= \text{Say Rs. } 986933.00$$

Calculation of Performance Bank Guarantee:

Rate per running meter = Rs 50.00 for Dia.  $\leftarrow 300 \text{ mm}$

Length of utility line =  $25,500 \text{ m} \times 50.00 \text{ Rs / m}$

$$= \text{Rs. } 12,75,000.00$$

*M. M. Lal*

Zonal Manager

APIIC Ltd, Puttaparthi Zone





REGISTRATION & STAMPS DEPARTMENT  
GOVERNMENT OF ANDHRA PRADESH

Unit Rates Village Wise

District Name	Mandal Name	City/Town/Village	Survey
SRI SATHYA SAI	PENUKONDA	ERRAMANCHI	Select
To view Survey			

S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre	Unit
1.	HARIPURAM	Dry land	165,000	10/
2.	KURUBAVANDLAPALLI	Dry land	165,000	10/
3.	ERRAMANCHI	Dry land	165,000	10/
4.	ERRAMANCHI	Wet Land double crop	165,000	10/
5.	KURUBAVANDLAPALLI	Wet Land double crop	165,000	10/
6.	HARIPURAM	Wet Land double crop	165,000	10/
7.	HARIPURAM	Coconut Garden	165,000	10/
8.	KURUBAVANDLAPALLI	Coconut Garden	165,000	10/
9.	ERRAMANCHI	Coconut Garden	165,000	10/
10.	KURUBAVANDLAPALLI	House Sites	1,452,000	10/
11.	ERRAMANCHI	House Sites	1,452,000	10/
12.	HARIPURAM	House Sites	1,452,000	10/
13.	ERRAMANCHI	Agricultural Land fit for H.S.	1,064,800	10/
14.	HARIPURAM	Agricultural Land fit for H.S.	1,064,800	10/
15.	KURUBAVANDLAPALLI	Agricultural Land fit for H.S.	1,064,800	10/
16.	HARIPURAM	Land abutting NH/SH/ZPP/MPP	500,000	10/
17.	KURUBAVANDLAPALLI	Land abutting NH/SH/ZPP/MPP	500,000	10/
18.	ERRAMANCHI	Land abutting NH/SH/ZPP/MPP	500,000	10/

[Back](#)

**Note :**

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

2. For further details contact Sub Registrar office

**PENUKONDA,**  
1/253, Court Road  
, Penukonda  
Penukonda  
**Phone : 220278**



Website Content Managed by Registration and Stamps Department, Andhra Pradesh  
Designed, Developed and Hosted by National Informatics Centre( NIC )

Last Updated: 01-JAN-2023





## REGISTRATION & STAMPS DEPARTMENT

GOVERNMENT OF ANDHRA PRADESH

### Unit Rates Village Wise

District Name	Mandal Name	City/Town/Village	Survey No.
SRI SATHYA SAI	PENUKONDA	PENUKONDA (RURAL)	Select <a href="#">To view Survey No. Details</a>

S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre	Effective Date (dd/mm/yy)
1.	PENUKONDA	Dry land	265,000	10/08/2021
2.	ISLAPURAM	Dry land	265,000	10/08/2021
3.	KONAPURAM	Dry land	265,000	10/08/2021
4.	KONDAPURAM	Dry land	265,000	10/08/2021
5.	MANGAPURAM	Dry land	265,000	10/08/2021
6.	THIMMAPURAM	Dry land	265,000	10/08/2021
7.	VENKAREDDY PALLI	Dry land	265,000	10/08/2021
8.	ISLAPURAM	Wet Land double crop	265,000	10/08/2021
9.	KONAPURAM	Wet Land double crop	265,000	10/08/2021
10.	KONDAPURAM	Wet Land double crop	265,000	10/08/2021
11.	MANGAPURAM	Wet Land double crop	265,000	10/08/2021
12.	THIMMAPURAM	Wet Land double crop	265,000	10/08/2021
13.	VENKAREDDY PALLI	Wet Land double crop	265,000	10/08/2021
14.	PENUKONDA	Wet Land double crop	265,000	10/08/2021
15.	KONAPURAM	Coconut Garden	265,000	10/08/2021
16.	KONDAPURAM	Coconut Garden	265,000	10/08/2021
17.	MANGAPURAM	Coconut Garden	265,000	10/08/2021
18.	THIMMAPURAM	Coconut Garden	265,000	10/08/2021

S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre	Effective Date (dd/mm/y)
19.	VENKAREDDY PALLI	Coconut Garden	265,000	10/08/2021
20.	PENUKONDA	Coconut Garden	265,000	10/08/2021
21.	ISLAPURAM	Coconut Garden	265,000	10/08/2021
22.	ISLAPURAM	House Sites	8,712,000	10/08/2021
23.	KONAPURAM	House Sites	8,712,000	10/08/2021
24.	KONDAPURAM	House Sites	8,712,000	10/08/2021
25.	MANGAPURAM	House Sites	8,712,000	10/08/2021
26.	PENUKONDA	House Sites	8,712,000	10/08/2021
27.	THIMMAPURAM	House Sites	8,712,000	10/08/2021
28.	VENKAREDDY PALLI	House Sites	8,712,000	10/08/2021
29.	PENUKONDA	Agricultural Land fit for H.S.	5,808,000	10/08/2021
30.	KONDAPURAM	Agricultural Land fit for H.S.	5,808,000	10/08/2021
31.	MANGAPURAM	Agricultural Land fit for H.S.	5,808,000	10/08/2021
32.	THIMMAPURAM	Agricultural Land fit for H.S.	5,808,000	10/08/2021
33.	VENKAREDDY PALLI	Agricultural Land fit for H.S.	5,808,000	10/08/2021
34.	ISLAPURAM	Agricultural Land fit for H.S.	5,808,000	10/08/2021
35.	KONAPURAM	Agricultural Land fit for H.S.	5,808,000	10/08/2021
36.	ISLAPURAM	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2021
37.	PENUKONDA	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2021
38.	KONDAPURAM	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2021
39.	MANGAPURAM	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2021
40.	THIMMAPURAM	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2021
41.	KONAPURAM	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2021
42.	VENKAREDDY	Land abutting	500,000	10/08/2021





REGISTRATION & STAMPS DEPARTMENT  
GOVERNMENT OF ANDHRA PRADESH

Unit Rates Village Wise

District Name	Mandal Name	City/Town/Village	Survey No.
SRI SATHYA SAI	PENUKONDA	RAMPURAM	Select <small>!!To view Survey No. W Details</small>

S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre	Effective Date (dd/mm/yyyy)
1.	HANUMPALLI	Dry land	130,000	10/08/2020
2.	MARUVAPALLI	Dry land	130,000	10/08/2020
3.	RAMPURAM	Dry land	130,000	10/08/2020
4.	HANUMPALLI	Wet Land double crop	130,000	10/08/2020
5.	MARUVAPALLI	Wet Land double crop	130,000	10/08/2020
6.	RAMPURAM	Wet Land double crop	130,000	10/08/2020
7.	HANUMPALLI	Coconut Garden	130,000	10/08/2020
8.	RAMPURAM	Coconut Garden	130,000	10/08/2020
9.	MARUVAPALLI	Coconut Garden	130,000	10/08/2020
10.	HANUMPALLI	House Sites	1,452,000	10/08/2020
11.	MARUVAPALLI	House Sites	1,452,000	10/08/2020
12.	RAMPURAM	House Sites	1,452,000	10/08/2020
13.	HANUMPALLI	Agricultural Land fit for H.S.	1,064,800	10/08/2020
14.	RAMPURAM	Agricultural Land fit for H.S.	1,064,800	10/08/2020
15.	MARUVAPALLI	Agricultural Land fit for H.S.	1,064,800	10/08/2020
16.	RAMPURAM	Land abutting NH/SH/ZPP/MPP	500,000	10/08/2020

Back

**Note :**

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

2. For further details contact Sub Registrar office

**PENUKONDA,**

1/253, Court Road

, Penukonda

Penukonda

**Phone : 220278**



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Last Updated: 01-JAN-2023





REGISTRATION & STAMPS DEPARTMENT  
GOVERNMENT OF ANDHRA PRADESH

Unit Rates Village Wise

District Name	Mandal Name	City/Town/Village	
SRI SATHYA SAI	SOMANDEPALLE	SOMANDEPALLE	Self To view

S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre
1.	CHAKARLAPALLE	Dry land	265,000
2.	SOMANDEPALLE	Dry land	265,000
3.	NALLAGONDRAYANIPALLE	Dry land	265,000
4.	PAPIREDDYPALLE	Dry land	265,000
5.	CHAKARLAPALLE	Wet Land double crop	265,000
6.	NALLAGONDRAYANIPALLE	Wet Land double crop	265,000
7.	PAPIREDDYPALLE	Wet Land double crop	265,000
8.	SOMANDEPALLE	Wet Land double crop	265,000
9.	SOMANDEPALLE	Coconut Garden	265,000
10.	CHAKARLAPALLE	Coconut Garden	265,000
11.	NALLAGONDRAYANIPALLE	Coconut Garden	265,000
12.	PAPIREDDYPALLE	Coconut Garden	265,000
13.	PAPIREDDYPALLE	House Sites	6,776,000
14.	CHAKARLAPALLE	House Sites	6,776,000
15.	NALLAGONDRAYANIPALLE	House Sites	6,776,000
16.	SOMANDEPALLE	House Sites	6,776,000
17.	CHAKARLAPALLE	Agricultural Land fit for H.S.	4,356,000
18.	NALLAGONDRAYANIPALLE	Agricultural Land fit for H.S.	4,356,000
19.	PAPIREDDYPALLE	Agricultural Land fit for H.S.	4,356,000

S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre
20.	SOMANDEPALLE	Agricultural Land fit for H.S.	4,356,000
21.	CHAKARLAPALLE	Land abutting NH/SH/ZPP/MPP	500,000
22.	NALLAGONDRAVANIPALLE	Land abutting NH/SH/ZPP/MPP	500,000
23.	PAPIREDDYPALLE	Land abutting NH/SH/ZPP/MPP	500,000
24.	SOMANDEPALLE	Land abutting NH/SH/ZPP/MPP	500,000

Back

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REGISTRATION & STAMPS DEPARTMENT  
GOVERNMENT OF ANDHRA PRADESH

Unit Rates Village Wise

District Name	Mandal Name	City/Town/Village	Survey No.
SRI SATHYA SAI	SOMANDEPALLE	GUDIPALLE	Select To view Survey No. Wise Details

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

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Penukonda  
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REGISTRATION & STAMPS DEPARTMENT  
GOVERNMENT OF ANDHRA PRADESH

Unit Rates Village Wise

District Name	Mandal Name	City/Town/Village	Survey No.
SRI SATHYA SAI	GORANTLA	PALASAMUDRAM	Select
			<a href="#">To view Survey Details</a>

S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre	Effective Date (dd/mm)
1.	PALASUMDRAM	Dry land	275,000	10/08/20
2.	PALASUMDRAM	Wet Land double crop	275,000	10/08/20
3.	PALASUMDRAM	Coconut Garden	275,000	10/08/20
4.	PALASUMDRAM	House Sites	1,936,000	10/08/20
5.	BELLACHEURVU	Agricultural Land fit for H.S.	950,000	10/08/20
6.	KOTHURU	Agricultural Land fit for H.S.	950,000	10/08/20
7.	MISSION THANDA	Agricultural Land fit for H.S.	950,000	10/08/20
8.	PALASUMDRAM	Agricultural Land fit for H.S.	950,000	10/08/20
9.	POPPANNAPALLE THANDA	Agricultural Land fit for H.S.	950,000	10/08/20
10.	SAMALAPALLE	Agricultural Land fit for H.S.	950,000	10/08/20
11.	MISSION THANDA	Land abutting NH/SH/ZPP/MPP	770,000	10/08/20
12.	POPPANNAPALLE THANDA	Land abutting NH/SH/ZPP/MPP	770,000	10/08/20
13.	SAMALAPALLE	Land abutting NH/SH/ZPP/MPP	770,000	10/08/20
14.	PALASUMDRAM	Land abutting NH/SH/ZPP/MPP	770,000	10/08/20
15.	BELLACHEURVU	Land abutting NH/SH/ZPP/MPP	770,000	10/08/20

S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre	Effect Date (dd/mm)
16.	KOTHURU	Land abutting NH/SH/ZPP/MPP	770,000	10/08/20

Back

**Note :**

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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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Last Updated: 01-JAN-2023







Whereas the Authority is responsible, inter-alia, for development and maintenance of lands in from Km 415/500 TO 441/000 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 439/6 to 452/1 of road./route up to Hyderabad-Bangalore section of NH 44.

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.

WITNESSED BY  
SECRETARY TO THE GOVT. OF AP

  
**Zonal Manager**  
**A.P.I.C.Ltd. Anantapuramu**

4. The Licensee shall pay license fees @ Rs 1907/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.

  
**Zonal Manager**  
A.P.I.C. Ltd. Anantapuramu

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 1.2m below the top of the sub grade or the existing ground level whichever is lower, subject to being at least 0.3m below the drain inverts. A typical sketch showing the clearances is given in Attachment-I.
14. The utility services shall cross the National Highway preferable on a line normal to it or as nearly so as practicable.
15. The casing/conduit pipe for crossing the road may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.
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.

  
**Zonal Manager**  
**A.P.I.I.C.Ltd. Anantapuramu**



- c. The side fill shall consist of granular material laid in 15 cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.
  - d. The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highway Authority.
17. The Licensee shall ensure making good the excavated trench for laying utility services by proper filling and compaction, so as to restore the land in to the same condition as it was before digging the trench, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way;
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.
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 already existing underground installations/utilities/facilities etc. before commencement of the excavation/using the existing cable ducts. The Licensee shall procure insurance from a reputed insurance company against damages to already existing underground installations/utilities/facilities etc.
23. The Licensee shall be solely responsible/ liable for full compensation/ indemnification of concerned agency / aggrieved Authority for any direct, indirect or consequential damage caused to them/claims or replacements sought for, at the cost and risk of the Licensee. The concerned agency in 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.

अनंतपुत्र लिमिटेड  
अनंतपुत्र लिमिटेड

  
**Zonal Manager**  
**A.P.I.C. Ltd. Anantapur**

26. The Licensee shall inform/give a notice to the concerned agency designated by the Authority at least 15 day in advance with route details prior to digging trenches,  
for fresh or maintenance/repair works. A separate performance Bank Guarantee for maintenance/repair works shall have to be furnished by the Licensee.
27. Each day, the extent of digging the trenches should be strictly regulated so that utility services are laid and trenches filled up before the close of the work that day. Filling should be completed to the satisfaction of the concerned agency designated by the Authority.
28. The licensee shall indemnify the concerned agency in co-ordination with Authority, against all damages and claims, if any due to the digging of trenches for laying cables/ducts.
29. The permission for laying utility services is granted maximum for 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be renewed, unless defaults exist. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
30. The permission shall be valid only for the period it is issued and fee deposited. However, the Authority also has a right to terminate the permission or to extend the period of Agreement.
31. That the Licensee shall not undertake any work of shifting, repairs or alterations to the utility services without prior written permission of the concerned agency in 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.

  
**Zonal Manager**  
**A.P.I.C.Ltd. Anantapuramu**

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.
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.

  
**Zonal Manager**  
**A.P.I.C.Ltd. Anantapuramu**



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.
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.



**Zonal Manager**  
**A.P.I.C.Ltd. Anantapuram**

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 M. MURALI MOHAN  
Signature, name & address with stamp)

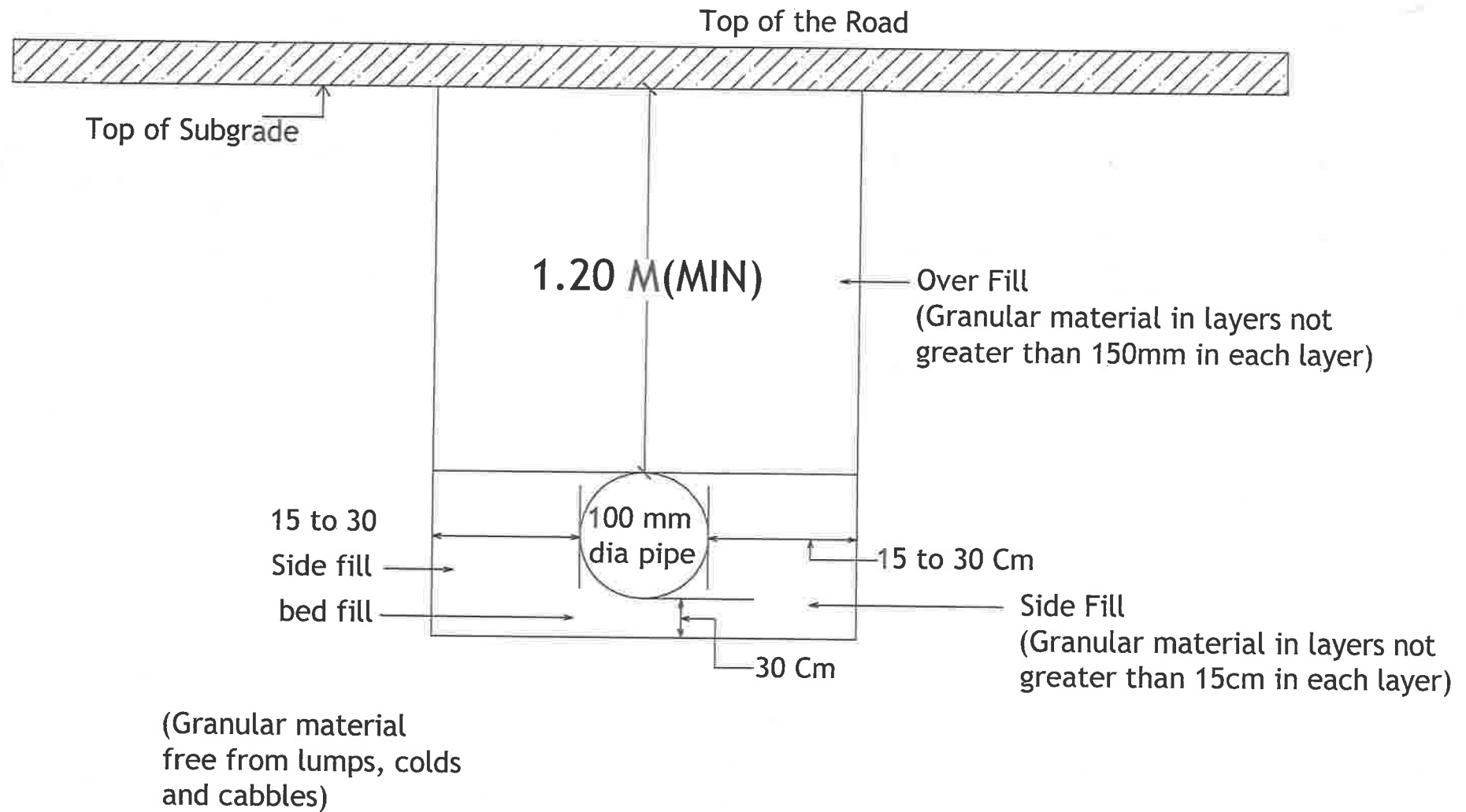
  
**Zonal Manager**  
**A.P.I.I.C.Ltd. Anantapuramu**

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):

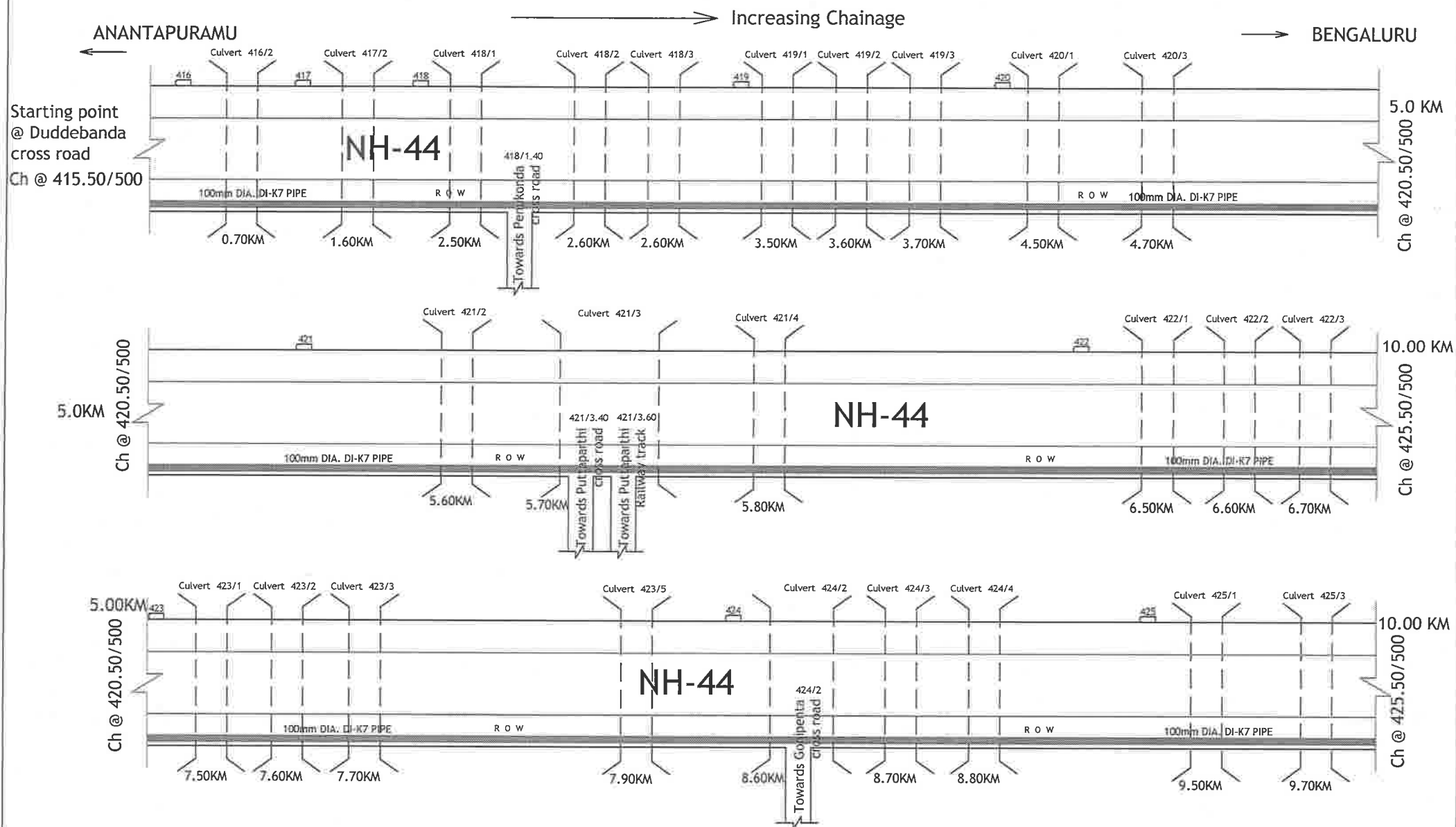
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**FIGURE-2 INSTALLATION OF PIPE FOR ALONG THE ROAD**

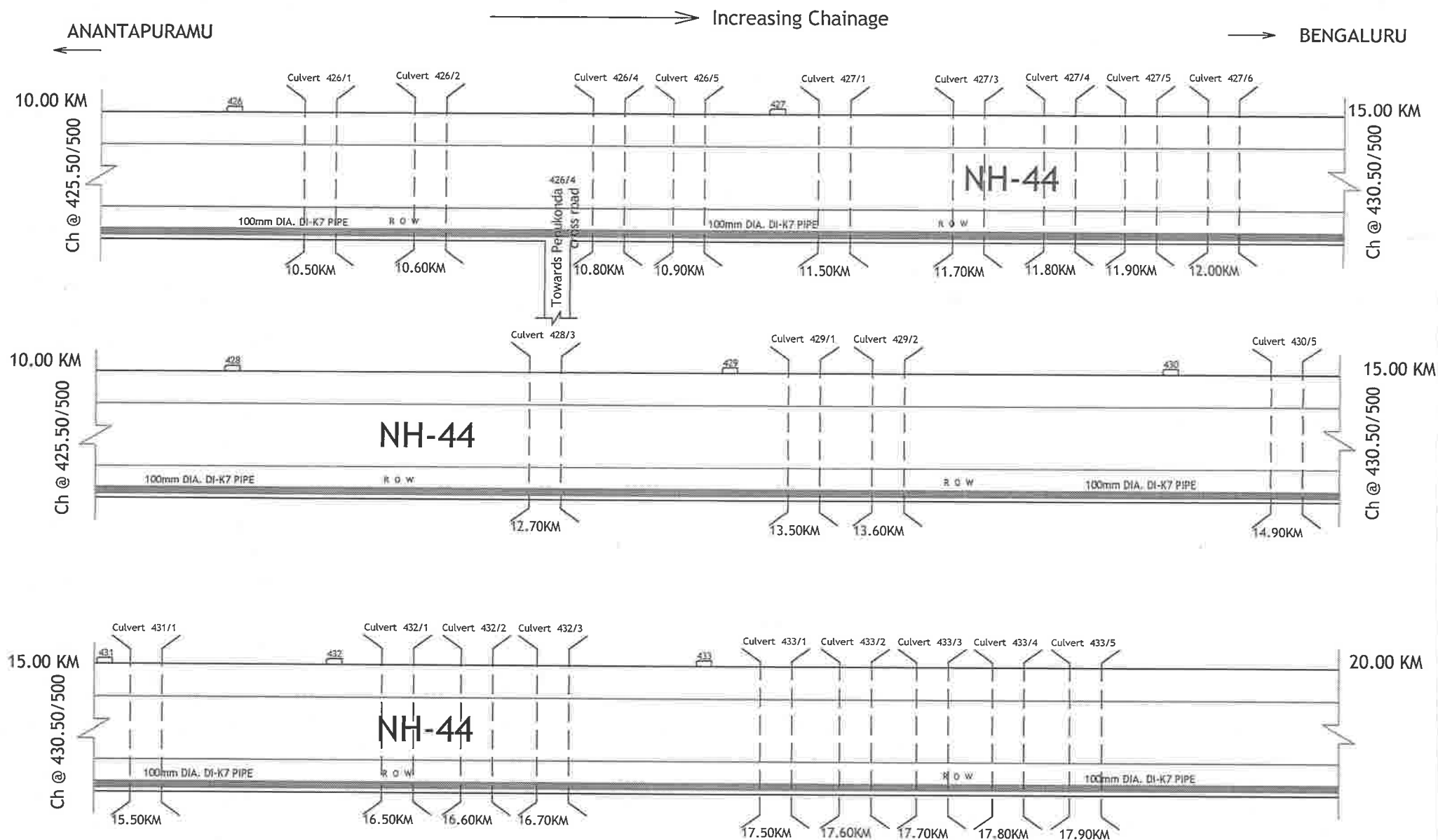
  
Zonal Manager  
APIIC LTD, Puttaparthi Zone



### SKETCH SHOWING THE CULVERTS ROUTE NH-44

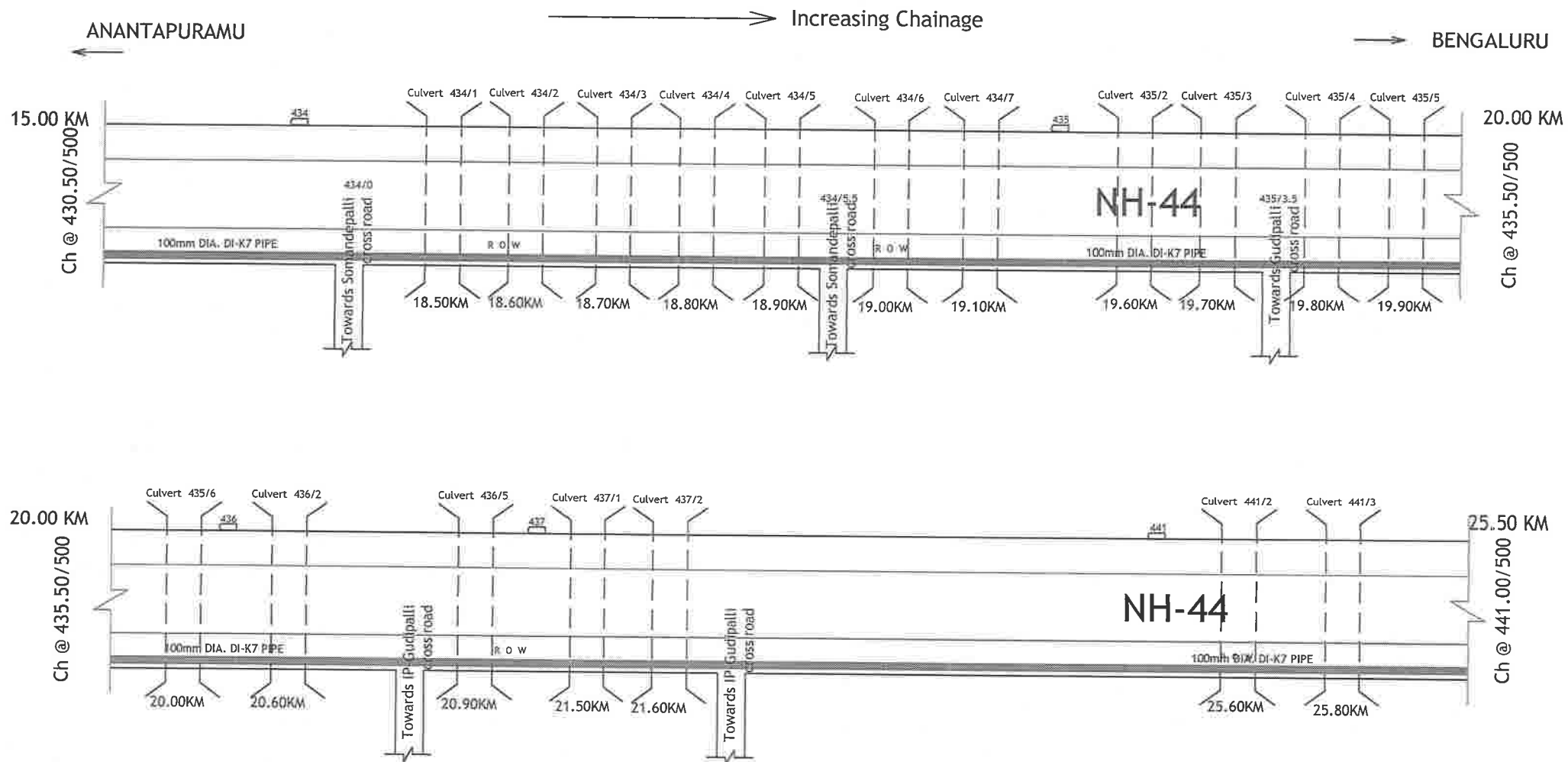
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### SKETCH SHOWING THE CULVERTS ROUTE NH-44

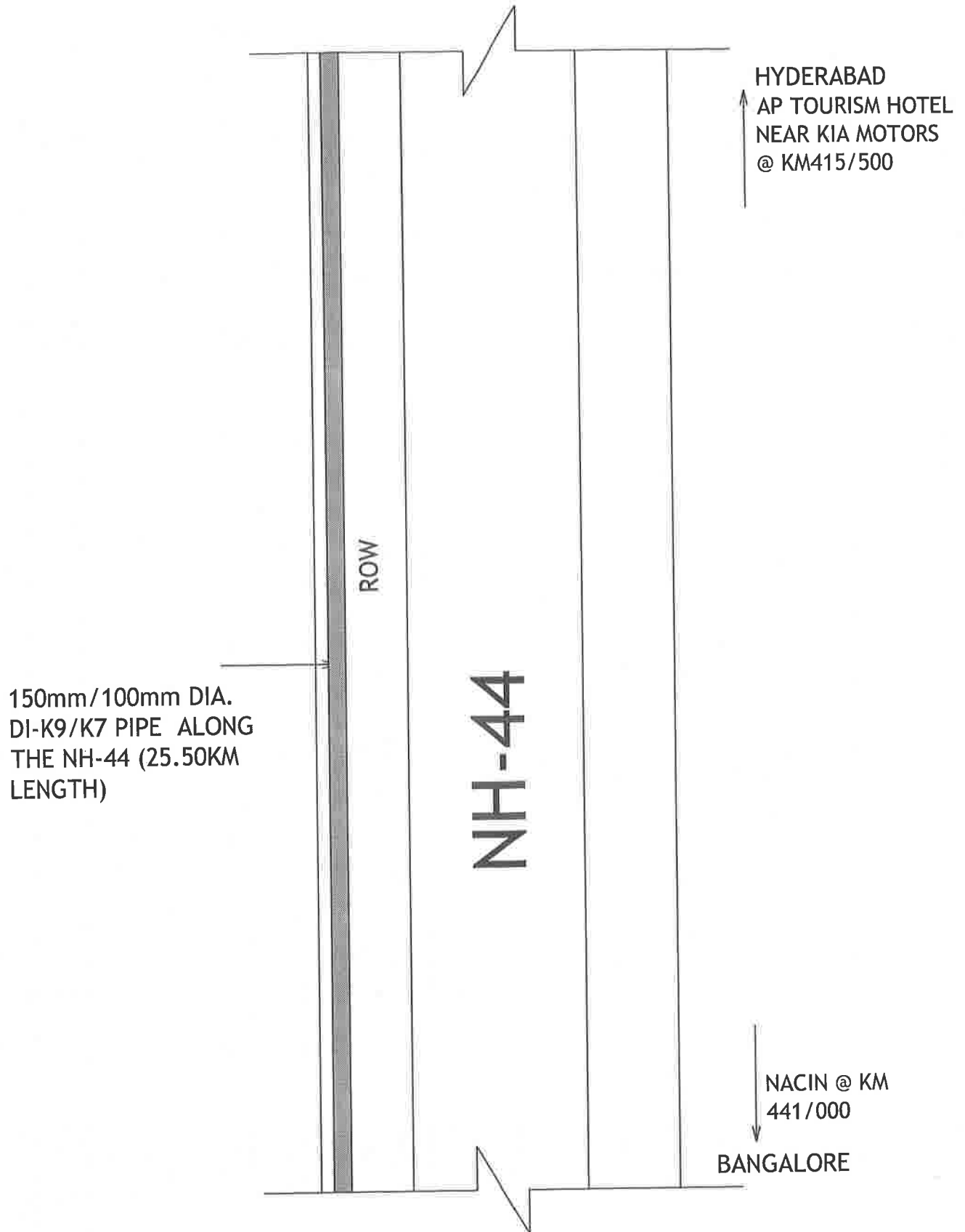
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### SKETCH SHOWING THE CULVERTS ROUTE NH-44

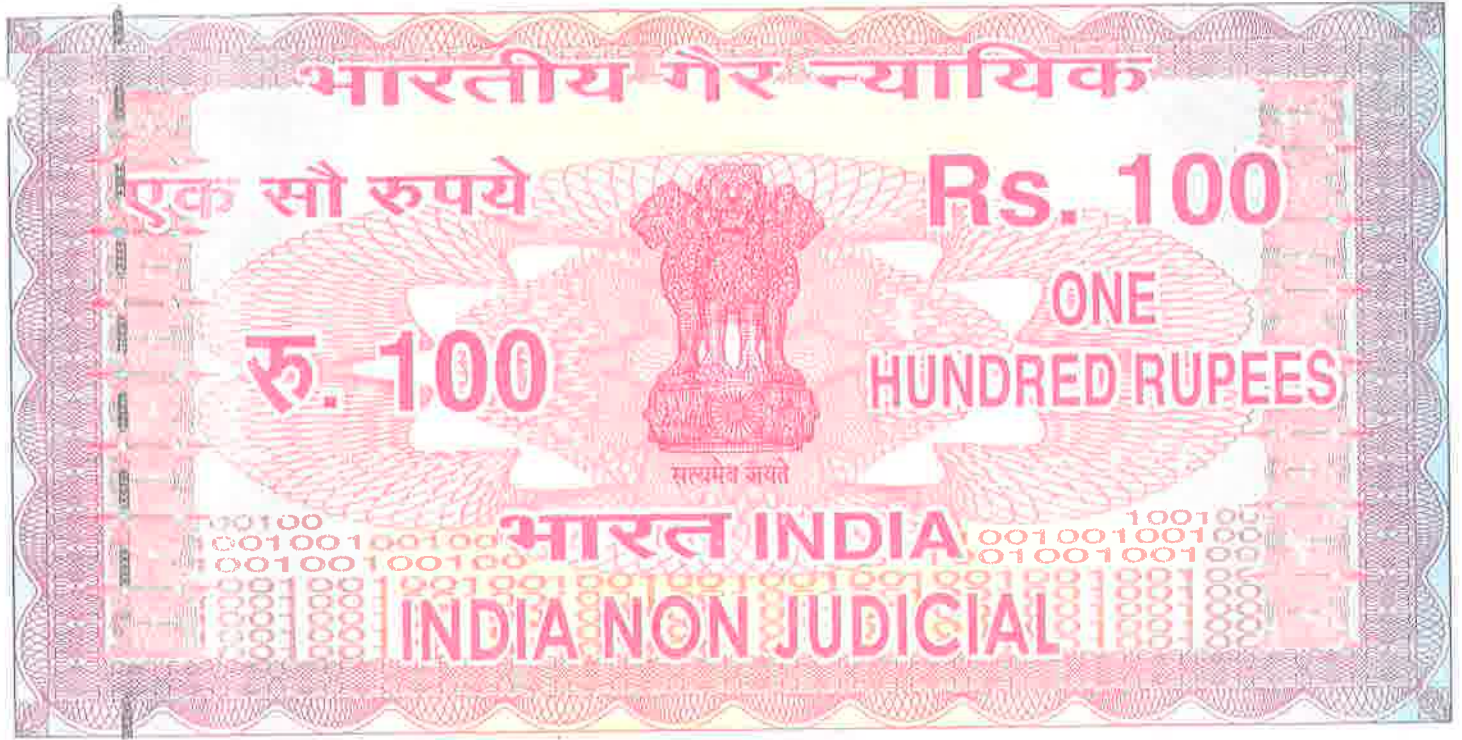
(from KM415.50/500 to KM441/000(near Duddebanda cross road to NACIN (Palasamudram Jn.) on RHS of Hyderabad-Bangalore

*[Signature]*  
**Zonal Manager**  
 A.P.I.G.Ltd Anantapuram



**SKETCH SHOWING THE PIPELINE ROUTE NH-44**  
(from KM415/500 to KM441/000 ( AP Tourism Hotel near KIA Motors to NACIN) on RHS of Hyderabad-Bangalore)

  
Zonal Manager  
APIIC Ltd,-Puttaparthi Zone



ఆంధ్ర ప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH

S.L. No. 446 D Rs. 100/- Date 19.4.2023

Sold to M. M. RAHIM M. O. HAN Zonal Manager

For Whom Sd/- APIC Puttaparthi Zone

CM 943682

T. S. Sankar Prasad

Licensed Stamp Vendor


O.L. No. 12-03-004/1995

R.L. No. 12-03-001/2022

G.K. Palli. Cell : 9393961019

### UNDERTAKING FOR REPAIR OF ROAD

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing External Water Supply Scheme to National Academy of Customs, Indirect Taxes & Narcotics (NACIN), Palasamudram (V), Gorantala Mandal, Sri Satyasai Puttaparthi District". 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 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.



भारतीय गैर न्यायिक

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TEN  
RUPEES

Rs.10

INDIA NON JUDICIAL

9847  
08-06-2017  
आंध्र प्रदेश ANDHRA PRADESH  
Zonal Manager APIIC Ltd. Puttaparthi Zone

14AB 853871

E. MUNESWARI  
Licensed Stamp Vendor  
J.L.No.12-12-004/2021  
Penukonda.  
Cell: 9849876839

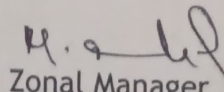
### UNDERTAKING WITH ANY ENCROACHMENT

Zonal Manager, APIIC Ltd., Puttaparthi authorized signatory for laying of pipe line for "Providing External Water Supply Scheme to National Academy of Customs, Indirect Taxes & Narcotics (NACIN), Palasamudram (V), Gorantala Mandal, Sri Satyasai Puttaparthi District".

1. We undertake that if any claim is raised by the Concessionaire/contractor then the same has to be paid the applicant (APIIC).

2. We undertake that the text of the license deed is as per verbatim of MoRTH format (issued vide Ministry's of Circular no. RW/NH-33044/29/2015/S&R®, dated 22.11.2016)

3. We undertake that the applicant (APIIC) has obtained various safety clearances whatever required from the representative authorities such as Directorate of Electricity, Chief controller of Explosives, Petroleum and Explosive Safety Organization, Oil Industry Safety Directorate. State/Central Pollution Control Board and any other statutory clearances applicable, before applying to Highway Administration

  
Zonal Manager  
APIIC Ltd., Puttaparthi  
Authorized Signatory.

