



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सडक परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

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

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

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

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

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

वेब/ web: www.nhai.gov.in



Ref: NHAI/RO-VJA/PIU - KDP/NOC/APIIC/2023-24/2905

Dt.02.08.2023

To

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

Sub: **RO - Vijayawada** - Permission for laying of water supply pipeline from existing Ch.626/800 to existing Ch.634/920 (from existing Ch.626/800 to Ch.630/960 - 4.16 Km under PIU Kadapa and from existing Ch.630/960 to existing Ch.634/920 - 3.76 Km under PIU-Nellore) (RHS) and Road Crossing at design Ch.628/925 (falling in the proposed Badvel Bypass) of proposed Mydukur - Badvel Section for a length of 8.12 Km by M/s. APIIC in the state of Andhra Pradesh - **Public comments** - Reg.

Sir,

Please find enclosed herewith a proposal submitted by M/s. APIIC for laying of water supply pipeline from existing Ch.626/800 to existing Ch.634/920 (from existing Ch.626/800 to Ch.630/960 - 4.16 Km under PIU Kadapa and from existing Ch.630/960 to existing Ch.634/920 - 3.76 Km under PIU-Nellore) (RHS) and Road Crossing at design Ch.628/925 (falling in the proposed Badvel Bypass) of proposed Mydukur - Badvel Section for a length of 8.12 Km by M/s. APIIC in the state of Andhra Pradesh.

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

Encl: As above

Yours faithfully,


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

Copy to:

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



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सडक परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

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

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

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

वेब/ web: www.nhai.gov.in

Ref: NHAI/RO-VJA/PIU - KDP/NOC/APIIC/2023-24/ 2906

Dt.02.08.2023



INVITATION OF PUBLIC COMMENTS

Sub: **RO - Vijayawada** - Permission for laying of water supply pipeline from existing Ch.626/800 to existing Ch.634/920 (from existing Ch.626/800 to Ch.630/960 - 4.16 Km under PIU Kadapa and from existing Ch.630/960 to existing Ch.634/920 - 3.76 Km under PIU-Nellore) (RHS) and Road Crossing at design Ch.628/925 (falling in the proposed Badvel Bypass) of proposed Mydukur - Badvel Section for a length of 8.12 Km by M/s. APIIC in the state of Andhra Pradesh - **Public comments** - Reg.

The Project Director, PIU - Kadapa submitted a proposal of M/s. APIIC for laying of water supply pipeline from existing Ch.626/800 to existing Ch.634/920 (from existing Ch.626/800 to Ch.630/960 - 4.16 Km under PIU Kadapa and from existing Ch.630/960 to existing Ch.634/920 - 3.76 Km under PIU-Nellore) (RHS) and Road Crossing at design Ch.628/925 (falling in the proposed Badvel Bypass) of proposed Mydukur - Badvel Section for a length of 8.12 Km by M/s. APIIC in the state of Andhra Pradesh.

As per MORTH guidelines vide letter No.RW/NH-33044/29/2015/ S&R(R) dated 22nd 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

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



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण (सडक परिवहन ओर राजमार्ग मंत्रालय)

NATIONAL HIGHWAYS AUTHORITY OF INDIA

(Ministry of Road Transport & Highways, Govt. of India)

Project Implementation Unit, KADAPA

D.No. 1/441/16, Behind Lakshmi Towers, Maruthi Nagar, KADAPA - 516 001. YSR Dist. A.P.

E-mail: kadapanhai@gmail.com piukadapa@nhai.org



NHAI/PIU-KDP/13007/1/2023/NH-67/Access Permission/13116

Date 24/07/2023

To
Regional Officer
National Highways Authority of India,
Door No.41-29-45A, R.S.No.373/2A,
Near Kodandaramalayam, Chalasani Nagar,
Ranigarithota, Krishnalanka,
VIJAYAWADA - 520 013.



Sub: NHAI, PIU-Kadapa - Construction of 4 Laning from Km 585.930 (Design Chainage 585.820) to Km 628.555 (Design Chainage 630.960) of Mydukur - Badvel section of NH-67 on Hybrid Annuity Mode under Bharatmala Pariyojana in the State of Andhra Pradesh - **Proposal for provisional access permission for laying of water supply pipeline from existing Ch.626/800 to existing Ch.634/920 (from existing Ch.626/800 to existing Ch.630/960 - 4.16km under PIU-Kadapa and from existing Ch.630/960 to existing Ch.634/920 - 3.76 Km under PIU-Nellore) (RHS) and Road Crossing at design Ch.628/925 (falling in the proposed Badvel Bypass) of proposed Mydukur - Badvel section for a total length of 8.12km - Request for Approval - Reg.**

Ref: 1. APIICL, Kadapa Letter No. APIIC/ZO/KDP/BWS-GPVRM/2022/4063 dated 14.07.2023 received on 18.07.2023
2. T/o. Letter No. NHAI/PIU-KDP/NH-67/NOC/APIIC/2023/068 dated 22.06.2023
3. PIU-Nellore Letter No. 19016/1-Vol.1/NHAI/PIU/NLR/SMC/BDWL-NLR-67/2022/361 dated 13.06.2023
4. Concessionaire M/s Rithwik MBR Infra Private Limited Letter No. RMBR/NHAI-PIU/M-B/2023-24/067 dated 08.06.2023
5. APIICL, Kadapa Letter No. APIIC/ZO/KDP/BWS-GPVRM/2022/3021 dated 26.05.2023

Sir,

This has reference to the subject matter and references cited.

2. It is to submit that, the Zonal Manager, APIICL, Kadapa vide reference 1st cited has submitted the revised proposal for provisional access permission for laying of water pipeline along Mydukur - Badvel section of NH-67 from existing Ch.626/800 to existing Ch.634/920 for a total length of 8.12km (from Ch.626/800 to Ch.630/960 - 4.16km under PIU-Kadapa and from Ch.630/960 to Ch.634/920 - 3.76 Km under PIU-Nellore) (RHS) and Road Crossing at design Ch.628/925 (falling in the proposed Badvel Bypass) of proposed Mydukur - Badvel section.

3. It is to submit that initially vide reference 5th cited, APIICL, Kadapa has submitted the proposal to this office, for approval. The same has been forwarded to the Concessionaire of project for their recommendation and since the 4 laning of Mydukur - Badvel section from Ch.630/960 to Ch.634/920 for a length of 3.76km under the jurisdiction of PIU-Nellore, the proposal was forwarded to the PD, PIU-Nellore for review & recommendation.

Contd...2

Building a Nation. Not Just Road

4. Accordingly, while enclosing the geo-reference coordinates of PRow, the Project Director, PIU-Nellore vide letter 3rd cited has informed to communicate APIIC to ensure that the proposed water pipeline shall not infringe the formation width of the proposed Project corridor.

5. Further, the Concessionaire vide reference letter 4th cited (copy enclosed) has informed that, as the proposed water supply pipeline is crossing the alignment of 4 laning of Mydukur - Badvel section of NH-67 at design Km.628+925 wherein a VUP is proposed, the project (8m away from cross road centreline) will obstruct the construction activities at a later stage.

6. Accordingly, a meeting was convened on 18/06/2023 to resolve the issue wherein it was decided that the applicant may propose to lay the water pipeline 18m away from the center-line to avoid the obstruction for construction of VUP at design Km.628+925 falling under the proposed Badvel Bypass and it was requested to submit the proposal as per revised guidelines issued vide MoRT&H Circular dated 24/04/2023.

7. In line with the same, this office vide reference letter 2nd cited (copy enclosed) has communicated certain observations to the APIICL, Kadapa and also advised to shift the water supply pipeline 18m from center-line and requested to submit the revised proposal in 05 sets (2 Original+3 Duplicate) duly attending the observations along with the supporting documents as per MoRT&H guidelines, for taking further necessary action in the matter.

8. The revised proposal submitted by APIICL, Kadapa vide reference 1st cited has been examined and report is as follows;

8.1. APIICL, Kadapa has submitted the proposal for laying of water supply pipeline from existing Ch.626/800 to existing Ch.634/920 (from existing Ch.626/800 to existing Ch.630/960 - 4.16km under PIU-Kadapa and from existing Ch.630/960 to existing Ch.634/920 - 3.76 Km under PIU-Nellore) (RHS) and Road Crossing at design Ch.628/925 (falling in the proposed Badvel Bypass) of proposed Mydukur - Badvel section for a total length of 8.12km only.

8.2. There are two crossings proposed by APIICL at design Ch.628/925 (falling in the proposed Badvel Bypass) wherein a VUP is proposed on Mydukur - Badvel section of NH-67 and at existing Km.626+800 of NH-67.

8.3. The Calculation of Licence Fee and Bank Guarantee Amount submitted by APIICL, Kadapa under the Industrial utilities category is as per the Ministry Circular No. RW/NH-33044 /29/2015/S&R(R) dated 22.11.2016 and MoRT&H guidelines no.NH-36094/01/2022-S&R (P&B) (E-208825) dated 24.04.2023. The details of revised license fee and Bank Guarantee is as follows;

- | | | |
|------|-----------------------------------|-----------------|
| (i) | The total license fee for 5 years | = Rs.5,58,300/- |
| (ii) | Performance Bank Guarantee | = Rs.8,21,000/- |

Contd...3

8.4. APIICL, Kadapa has not submitted the proposal through online portal of MoRT&H as per MoRT&H guidelines No. NOC enhancement/NIC/MoRTH/2022/1 dated 13.05.2022 and NHAI/Policy Guidelines/Access Permission/2023 issued vide Policy Circular No.14.24/2023 dated 13.07.2023.

9. Further, APIICL, Kadapa has submitted the undertaking as per Sl. No.5 of Checklist and also submitted the following undertakings and documents -

- (i) In compliance with PD, PIU-Nellore letter dated.13.06.2023, the applicant has submitted the undertaking to relocate the water pipeline/Utilities at their own cost notwithstanding the permission granted within such time as stipulated by NHAI for future 6 laning or any other development.
- (ii) Undertaking that text of the license deed is as per verbatim of MoRTH format issued vide Ministry's Circular no. RW/NH/33044/29/2015/S&R dated 22.11.2016.
- (iii) Undertaking that the water Supply Pipeline at crossing of proposed alignment of 4 laning of Mydukur - Badvel section of NH-67 at Km.628.925 wherein VUP is proposed will be laid 18mts away from the proposed road centreline and structure will be constructed to withstand the overburden pressure of 9.2mts height RE-wall and the traffic plying over it.

9.1. The applicant has submitted methodology for laying of water supply pipeline with open trenching / HDD or any other suitable method across Highway.

9.2. The applicant has submitted the Typical Cross Section for HDD method.

9.3. The applicant has submitted the GAD of the proposed pipeline.

9.4. Power of Attorney of the Zonal Manager, APIICL, Kadapa has been submitted.

9.5. Calculation of License Fee and Bank Guarantee Amount for permission to lay the water supply pipeline as per MoRTH guidelines dated 22.11.2016 & dated 24.04.2023.

In view of the above, it is recommended that the approval for the provisional access permission may please be accorded for laying of water supply pipeline by providing 300mm dia pipe along Hubli - Krishnapatnam of NH-67 from existing Ch.626/800 to existing Ch.634/920 (from existing Ch.626/800 to existing Ch.630/960 - 4.16km under PIU-Kadapa and from existing Ch.630/960 to existing Ch.634/920 - 3.76 Km under PIU-Nellore) (RHS) and Road Crossing at design Ch.628/925 (falling in the proposed Badvel Bypass) of proposed Mydukur - Badvel section for a total length of 8.12km by APIICL, Kadapa.

Regards,

Yours faithfully,


(G Goverdhan)

DGM (Tech.) cum Project Director

Encl: As above

INSPECTION REPORT

The proposal for provisional access permission for laying of water supply pipeline from existing Ch.626/800 to existing Ch.634/920 (from existing Ch.626/800 to existing Ch.630/960 - 4.16km under PIU-Kadapa and from existing Ch.630/960 to existing Ch.634/920 - 3.76 Km under PIU-Nellore) (RHS) and Road Crossing at design Ch.628/925 (falling in the proposed Badvel Bypass) of proposed Mydukur - Badvel section for a total length of 8.12km by APIICL, Kadapa was inspected on 20/06/2023 and the report is as follows -

1. APIICL, Kadapa has submitted the proposal for laying of water supply pipeline from proposal for laying of water supply pipeline from existing Ch.626/800 to existing Ch.634/920 (from existing Ch.626/800 to existing Ch.630/960 - 4.16km under PIU-Kadapa and from existing Ch.630/960 to existing Ch.634/920 - 3.76 Km under PIU-Nellore) (RHS) and Road Crossing at design Ch.628/925 (falling in the proposed Badvel Bypass) of proposed Mydukur - Badvel section for a total length of 8.12km only.
2. There are two crossings proposed by APIICL at design Ch.628/925 (falling in the proposed Badvel Bypass) wherein a VUP is proposed on Mydukur - Badvel section of NH-67 and design existing Km.626+800 of NH-67.
3. The Project Director, PIU-Nellore has submitted their report since the length of 3.76km under the jurisdiction of PIU-Nellore and the Concessionaire of the project has reviewed and submitted their report in accordance with MoRT&H Circular dated 22/11/2016.


Site Engineer
NHAI, PIU-Kadapa


Project Director
NHAI, PIU-Kadapa



Dy. Manager (Tech.)
NHAI, PIU-Kadapa

CERTIFICATE

1. The proposal for provisional access permission for laying of water supply pipeline from existing Ch.626/800 to existing Ch.634/920 (from existing Ch.626/800 to existing Ch.630/960 - 4.16km under PIU-Kadapa and from existing Ch.630/960 to existing Ch.634/920 - 3.76 Km under PIU-Nellore) (RHS) and Road Crossing at design Ch.628/925 (falling in the proposed Badvel Bypass) of proposed Mydukur - Badvel section for a total length of 8.12km submitted by APIICL, Kadapa has been examined and the proposal is conforming with all the standard conditions issued vide Ministry Circular No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 and MoRT&H guidelines no.NH-36094/01/2022-S&R (P&B) (E-208825) dated 24.04.2023.
2. It is certified that any other location of the water supply pipeline would be extremely difficult and unreasonably costly and installation of water supply pipeline within RoW will not adversely affect the design, stability & traffic safety of neither Highway nor the likely future improvement such as widening of the carriageway, easing of curve, etc.
3. Independent Engineer will supervise the work of laying of water supply pipeline and ensure that the defects in road portion after laying of water supply pipeline are corrected.
4. It will be notified/forfeit the Bank Guarantee for claims for damages done/ disruption in working, if any.
5. It will be ensured that proposed permission is entered in the register of records.
6. No approvals are accorded for laying of underground gas pipeline at the above location.


(G Goverdhan)
DGM (Tech.) cum Project Director

ANDHRA PRADESH INDUSTRIAL INFRASTRUCTURE CORPORATION LIMITED

(Govt. of A.P. undertaking)

O/o ZONAL MANAGER: INDUSTRIAL ESTATE: KADAPA-516 004**Fax& Ph:Off:08562-244520**

K. Sreenivasa Murthy, B.E.,
Zonal Manager.

Lt.No. APIIC/ZO/KDP/BWS-GPVRM/2022/ 4063

Dt. 14.07.2023.

To
The Project Director,
National Highways Authority of India,
Kadapa

Dear Sir,

NHAI - KADAPA	
Date: 18/07/23	No. 16921
Manager	SE
Dy. Manager	AC
LAO	ITE
PA / Steno	Y.H.E.

Sub: External water supply scheme to IP Gopavaram Bramhasagar reservoir) in YSR Kadapa district, Andhra Pradesh - Permission to lay water pipe line along Hubli - Krishnapatnam road of NH-67 road From Ch 626/800 to Ch 634/920 (626/800 to 630/960 - 4.16 Kms - PIU Kadapa & 630/960 to 634/920 - 3.76 Kms - PIU Nellore) (Proposed Revised Chainage) (From Badvel By-pass to IP Gopavaram & Century Panels) (RHS) 8.12 Kms under NHAI and Road Crossing for proposed Mydukur-Badvel 4 lane road at CH: 628.925 Km - Revised Proposed Submitted - Request for according Permission for laying Pipeline in ROW of NH-67 - reg.

Ref: 1) Ministry's circle no RW/NH-33044/27/2015-S&R(R) dated 22.11.2016
2) NHAI/PIU-KDP/O&M/MYD-DOR/008 dated: 02.08.2022.
3) Lt. No. ZO/APIIC/Kadapa/DPR/Ext Water Supply to Gopavaram/2022-23
Dt: 29.07.2022 of the Zonal manager, APIIC Limited, Kadapa.
4) Lt. No. APIIC/ZO/KDP/BWS-GPVRM/2022/ Dt: 20.08.2022 of the Zonal manager,
APIIC Limited, Kadapa.
5) Lt. No. APIIC/ZO/KDP/BWS-GPVRM/2022/2793 Dt: 02.03.2023 of
the Zonal manager, APIIC Limited, Kadapa.
6) Lt. No. APIIC/ZO/KDP/BWS-GPVRM/2022/3021 Dt: 26.05.2023 of
the Zonal manager, APIIC Limited, Kadapa.
7) Lt. No. NHAI/PIU-KDP/NH-67/NOC/APIIC/2023/068 Dt: 22.06.2023 of
the DGM(Tech) cum Project Director, NHAI, PIU, Kadapa.

In this context, I am to inform that we propose to lay 300 mm dia DI-K9 pipe line along Hubli - Krishnapatnam road of NH-67 road From Ch:626/800 to Ch 634/920 (626/800 to 630/960 - 4.16 Kms - PIU Kadapa & 630/960 to 634/920 - 3.76 Kms - PIU Nellore) (Proposed Revised Chainage) (From Badvel By pass to IP Gopavaram, Century Panels) (RHS) 8.12 Kms under NHAI to facilitate Industrial water to the IP Gopavaram & Century panels in Badvel Constituency.

I also inform you that vide references above cited this office has already submitted the Proposals for Kadapa & Nellore divisions for 626/800 to 630/960 - 4.16 Kms - PIU Kadapa & 630/960 to 634/920 - 3.76 Kms - PIU Nellore separately and combined proposals from Ch 626/800 to Ch 634/920 - 8.16 Kms. Vide ref 7th cited, the Project Director, NHAI, Kadapa has requested to submit the revised proposals duly attending the remarks.

Contd....2

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Further it is to submit that, GAD of Pipe, Cross Section of HDD is herewith enclosed. The Revised Calculation of License Fee, Bank Guarantee is herewith enclosed. An undertaking for laying of water Supply Pipeline at crossing of proposed alignment of 4 laning of Mydukur -- Badvel section of NH-67 at Km. 628.925 wherein VUP is proposed will be laid 18 mts away from the proposed road centreline and will be constructed the structure to withstand the overburden pressure of 9.2 Mts height RE-wall and the traffic plying over it is herewith enclosed.

I am herewith submitting the revised Proposals duly attending the remarks. This is submitted for according necessary approvals may be accorded at the earliest

Thanking you

Encl: (Proposals 2 Original + 3 Duplicate)

15/07/2017
Zonal Manager
APIIC Limited, Kadapa

Suf.



ANDHRA PRADESH INDUSTRIAL INFRASTRUCTURE CORPORATION LIMITED
(Govt. of A.P undertaking)
O/o ZONAL MANAGER: INDUSTRIAL ESTATE: KADAPA-516 004
Fax& Ph:Off:08562-244520

K. Sreenivasa Murthy, B.E.,
Zonal Manager

CHECK LIST

Guidelines for processing the proposal for laying of utility line in the land along National Highways vested with NHAI/PWD/BRO			
Sl No	Item		Remarks
1	General Information	Providing External water supply scheme to IP Gopavaram (Bhramasagar reservoir) in Badvel Constituency, YSR Kadapa district.	
1.1	Name and address of the applicant/ Agency	Zonal Manager, APIIC, Kadapa.	
1.2	National Highway Number	NH-67	
1.3	State	Andhra Pradesh	
1.4	Location	Near Badvel By pass	
1.5	Chainage/Km	NH-67 (Ch:626/800 to Ch:634/920) 8.12kms (Ch: 626/860 to 630/960 – 4.16 Kms – PIU Kadapa & 630/960 to 634/920 – 3.76 Kms – PIU Nellore) along the road (8120 mts)	
1.6	Length in meters	NH-67 - 8120 Mts	
1.7	Width of available RoW		
	a) Left side from center line towards increasing chainage/kms direction	22.5M	
	b) Right side from center line towards increasing chainage/km direction	22.5M	
1.8	Proposal to lay the utility		
	a) Left side from center line towards increasing chainage/kms direction		
	b) Right side from center 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 center line	-	
	b) Right side from center line	-	
1.10	Whether proposal is in the same side where land is not to be acquired	NA	
	If not then where to lay the cable		
1.11	Details of already laid services, if any along the proposed root	Yes, Reliance Jio line.	

[Signature]
PROJECT DIRECTOR
NHAI, P.I.U. KADAPA.

1.12	Number of existing lanes (2,4,6,8 lanes)	2lane	
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	Yes	
	a) Left side from center line	NA	
	b) Right side from center line	NA	
1.15	Proposed service road	NA	
	a) Left side from center line		
	b) Right side from center line		
1.16	Whether proposal to lay the utility is after the service road or between the service road and main carriage way	After service road	
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	Yes	
	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 Highway. 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	MS 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	Yes	


PROJECT DIRECTOR
NHAI, P.I.U. KADAPA.

	should be atleast 1.2mts below the surface of the road subject to being atleast 0.3mts below the drain inverts		
	Mention the proposed details		
	g) Mention the methodology 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 boring 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	Yes by H.D.D method	
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	Yes Enclosed	
2.3	Strip plan/ route plan showing the utility/ gas 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	Backfill the soil excavated with compaction at the rate of every 300mm	


PROJECT DIRECTOR
NHAI, P.I.U. KADAPA.

	concrete open trenching method (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type)		
2.4.2	Horizontal directional drilling method (HDD method)	Only the 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/NHAH guideline	Yes Enclosed	
5.4	Shifting of OFC as and when required by NHAH		
5.5	Shifting due to 6 laning / widening of NH		
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		
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 Enclosed	


PROJECT DIRECTOR
NHAH, P.I.U. KADAPA.

	Certificate from the applicate in the following format		
	"We do undertake that I/ We will relocate service road / approach road / utilities at my/ our own cost not withstanding the permission granted within such time as will be stipulated by NHAI for future 6 laning/ any other development"		
	Who will sign the agreement on behalf of water pipeline agency	Zonal manager, APIIC, Kadapa.	
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	Certificate from PD in the following format		
8.1	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 laning from PD in the following format		
	a) Where feasibility is available "I do certify that there will be no hindrance to proposed 6 laning 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 laning"		
9	The agreement fee on Rs.1 shall be charged		
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 gas pipeline/ duct has also been granted as a right of way	Yes	


PROJECT DIRECTOR
NHAI, P.I.U. KADAPA.

	of to the cosectionaire 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.		
11	Who will supervise the work of laying of water pipeline		
	a) On behalf of the applicant	Zonal manager, APIIC Ltd, Kadapa.	
	b) On behalf of MORTH/NHAI	Zonal manager, APIIC Ltd, Kadapa.	
12	Who will ensure that the defects in road portion after laying of gas pipeline are corrected and if not corrected then what action will be taken.		
	c) On behalf of the applicant	Zonal manager, APIIC Ltd, Kadapa	
	d) On behalf of NHAI	Zonal manager, APIIC Ltd, Kadapa	
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 Ltd, Kadapa	
14	A certificate from PD that he will enter the proposed permission in the register of records of the permission in the prescribed proforma(copy enclosed)		
15	If any previous approvals is accorded for laying of underground gas pipeline then photocopy of register of records/ permission accorded (as maintained by PD) be enclosed.		


PROJECT DIRECTOR
NHAI, P.I.U. KADAPA.


ZONAL MANAGER, 14/7/23
APIIC LIMITED, KADAPA.
Sup.



ANDHRA PRADESH INDUSTRIAL INFRASTRUCTURE CORPORATION LIMITED

(Govt. of A.P. undertaking)

O/o ZONAL MANAGER: INDUSTRIAL ESTATE: KADAPA-516 004

Fax & Ph: Off: 08562-244520

K. Sreenivasa Murthy, B.E.,

Zonal Manager

Methodology adopted for laying of pipe line

General

1. After thorough study of entire stretch of proposed pipe line laying, we have proposed to lay our pipe line along the road for a total length of 8120 Mts (4160 Mts & 3760 Mts) in this 8120 Mts by open trench method, 45 Mtrs under VUP Crossing the alignment of 4 – laning of Mydukur – Badvel section at chainage Km 628.925 and 45 Mts by HDD method crossing the Badvel By pass circle on NH-67.
2. We have proposed to lay our pipe line at 0.5 to 1.0 m from the extreme boundary according to availability of space.

Protection technology in case of culverts/canals

1. Pipe line 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 R&B NH Division, Kadapa officials on case to case basis and pipe routing shall be decided as per their advice.

Methods

1. Open trench includes Manual and Machine trenching
2. Trenchless technology by Horizontal Directional Drilling (HDD) Method
3. Bridge Crossings

Open trench method

There will be a continuous dipping following a single line in open trench. The depth of trench will be 1.65m the normal soil condition. Open trench will be carried out manually and with machine. 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 Highways.

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 15cm each. The trench shall be filled up to the required height of 1.2m (measured from top of pipe trench cross section drawing attached in the proposal. And a 0.2mm thick high-density polythene warning tape shall be placed above pipe prior to further backfilling. A crown of 250mm shall be made at top of backfilled trench to cater for soil settlement. No surplus soil shall be left outside trench. Entire area shall be restored and debris removed and disposed off in a safe manner and in line with requirements of authority having jurisdiction over the area.


ZONAL MANAGER
APIIC LIMITED, KADAPA.




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K. Sreenivasa Murthy,B.E.,
Zonal Manager

Methodology adopted for laying of pipe line

Installation of pipe line 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. 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 size of 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 drill stem. It is pulled behind the reamer to allow cantering of duct in the newly renamed path. Pit size may vary based on site condition. Entry and exit pits shall be dug at both ends of 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.


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APIIC LIMITED, KADAPA.




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K. Sreenivasa Murthy, B.E.,
Zonal Manager

Methodology adopted for laying of pipe line

SINGLE ROAD CROSSING BY MOILING/BORING

Water Body Crossing

Water bodies and other natural obstructions can be crossed by open-cut method, trenchless techniques or using existing infrastructures such as bridges and culverts depending upon the nature of water body (dry/stagnant/flowing) and availability of permissions from concerned authorities for using existing infrastructure. In all cases, pipe line laying technique shall be such that protection of DI Pipe line is ensured. Necessary protection should be provided.

Crossings using Existing Bridges/Culvert

- i. Existing infrastructure for crossings water bodies such as alas /streams / rivers / canals, etc. shall be used wherever possible and permission to use the bridge or culvert is available.
- ii. Bridges where it is not possible to make trench, DI pipes (selected as per criteria as given above) shall be installed at safe available place on above Ground level and the bridge designated for the utilities. The pipe shall be fixed in place firmly using clamps and/or encasing in M15 concrete.

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 to divert water for a short period of installation.

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


ZONAL MANAGER
APIIC LIMITED, KADAPA.
