

GOVERNMENT OF INDIA

MINISTRY OF ROAD TRANSPORT & HIGHWAYS

CE-Regional Office, Vijayawada

Raja Marg Bhawan, 3rd & 4th floors, MORTH/NHAI Buildings, Ranigari Thota,
Near Kanakadurga Varadhi, Krishnalanka, Vijayawada-520013. Tele: 0866-2571985

Dated: 04.02.2025

Invitation of Public Comments

Sub: Proposal for permission to lay water pipelines by RWS Department along NH-42 at Km. 26/300 to Km. 42/400 by open trench method & HDD method along & across the road on Uravakonda-Ananthapuramu-Krishnagiri Road (A.P state Boarder to Krishnagiri road) in the state of Andhra Pradesh" - Reg.

Please find enclosed herewith the proposal in accordance with Ministry's latest guidelines dated 22.11.2016 forwarded by Executive Engineer(R&B), NH Division, Ananthapuramu vide letter No. Permission for NH-42/Road Cutting/RWS Pipelines/ATO/2024-25 dated 08.01.2025 and dated 13.12.2024 for laying water pipelines by RWS Department along NH-42 at Km. 26/300 to Km. 42/400 by open trench method & HDD method along & across the road on Uravakonda-Ananthapuramu-Krishnagiri Road (A.P state Boarder to Krishnagiri road) in the state of Andhra Pradesh.

2. As per the guidelines, issued by the Ministry vide Circular No.RW/NH-33044/29/2015/S&R(R) dated 22.11.16 and its subsequent amendments circular dated 29.07.2022, the proposal for Highway crossing permission along National Highways shall be put out in the public domain for 30 days for seeking claims and objections on grounds of public inconvenience, safety and general public interest.

3. In view of the above, comments of the public on the above-mentioned proposal are invited on the address mentioned below:

The CE-Regional Officer,
Ministry of Road Transport and Highways,
Raja Marg Bhawan, 3rd & 4th floors, MORTH/NHAI Buildings,
Ranigari Thota, Near Kanakadurga Varadhi,
Krishnalanka, Vijayawada - 520013
Email id: romorthvijayawada@gmail.com.

Yours Faithfully,

Encl: As above

(Venkataiah M)

Assistant Engineer,

For CE-Regional Officer, Vijayawada

Copy to:

- i) Senior Technical Director, NIC for uploading on the Ministry's website.
- ii) The Engineer-in-Chief (R&B), NH & CRF, AP.
- iii) The Superintending Engineer(R&B), NH Circle, Ananthapuramu.
- iv) The Executive Engineer(R&B), NH-Division, Ananthapuramu.

GOVERNMENT OF ANDHRA PRADESH
ROADS AND BUILDINGS DEPARTMENT



From:
Sri V. Ramachandra, M.Tech.,
Engineer-in-Chief (R&B)
National Highways & CRF,
State HoD Offices Building,
MG Road, Vijayawada – 520010

To:
✓ The Regional Officer,
MoRT&H, 4th Floor,
Near Kanaka Durga Varadhi,
Rani Gari Thota, KrishnaLanka,
Vijayawada – 520 013.

Lr. No. RWS/NH42/DCENH/EENH/DEE I/AEE3/2024, Dt:13.12.2024

Sir,

Sub: R&B Department – National Highways - Road cutting permission –
“Permission to carry out open trench & Horizontal Direct Drilling (HDD)
method for laying of water Pipeline from Km.26/300 to Km.42/400 along the
A.P State Border to Krishnagiri road (Uravakonda Anantapuramu Krishnagiri
Road) NH-42” - Proposals submitted Requested-Permission – Requested -
Reg

- Ref: 1. Ministry Circular No. RW/NH-33044/29/2015/S&R (R), dated 22.11.2016
2. RO/MoRT&H/VJA Lr. No. RO/VJA/Misc24BAccess/Utility/7, dated
13.04.2017
3. Ministry Circular No. NH-36094/01/2022-S&R (P&B) dt. 17.04.2023
4. SE, NH, ATP Lr. No. Lr No: 678/NH-42/Road Cutting/RWS Pipeline/SE,
NH, ATP/ DY.SE/ATO/2024-25, Dt:06.12.2024

Adverting to the subject cited, it is to inform that RWS Department have
applied for grant of permission to carry out open trench & Horizontal Direct Drilling
(HDD) method for laying of water Pipeline from Km.26/300 to Km.42/400 along the
A.P State Border to Krishnagiri road (Uravakonda Anantapuramu Krishnagiri Road)
NH-42.

The license fee and Performance Bank Guarantee fee for the above work are
as below:

- License fee – Rs.1,01,112/-
- Performance Bank Guarantee fee: Rs.40,34,000/-

Further, the following are herewith furnished:

- The proposed water pipe line is located from Km 26/300 to 34/400 (RHS) and from
Km 34/400 to 42/400 (LHS) and crossings at Km 26/300 and 34/400 for a total length
of 16,136 mts of NH 42.

- Total length of proposed Water pipe line is 16,136 mts with 2 crossings
- There are two road crossings involved in the proposal.
- The firm has proposed that Water pipe line shall be laid through Open trench for length of 16,100 mts along the road and 36 mts at crossings through HDD Method.
- The EE has submitted the checklist for laying water pipe line proposal.
- The Department has submitted undertakings for Performance BG and payment of license fee etc. and draft agreement as stipulated therein.

The firm has submitted the checklist and undertakings required to be submitted for according permission and approval for laying of water pipe line as stipulated as per MoRTH Circulars.

Therefore, it is requested to accord of permission to carry out open trench & Horizontal Direct Drilling (HDD) method for laying of water Pipeline from Km.26/300 to Km.42/400 along the A.P State Border to Krishnagiri road (Uravakonda Ananthapuramu Krishnagiri Road) NH-42.

Encl.: Booklet -1 No.

Yours sincerely,


Engineer-in-Chief (R&B)
National Highways & CRF
13/12

Copy to

The Superintending Engineer (R&B), NH Circle, Ananthapuramu
The Executive Engineer (R&B), NH Division, Ananthapuramu

**GOVERNMENT OF ANDHRA PRADESH
ROADS AND BUILDINGS DEPARTMENT
NATIONAL HIGHWAYS**

From

Sri K. Hariprasad Babu, M.Tech.,
Superintending Engineer,
(R&B) N.H Circle,
Ananthapuramu.

To

The Engineer-in- Chief,
(R&B) NH & CRF.,
MG. Road,
Vijayawada - 520010, A.P.

Lr No. 678/NH-42/Road Cutting/RWS Pipeline/SE.NH.ATP/Dy.SE/ATO/2024-25,
Dt:06.12.2024.

Sub:- (R&B) NH Circle, Ananthapuramu – "Permission to carry out open trench & Horizontal Direct Drilling (HDD) method for laying of water Pipeline from Km.26/300 to Km. 42/400 along the A.P. State Border to Krishnagiri road (Uravakonda- Ananthapuramu - Krishnagiri Road) NH-42" - Compliance for the Observation - Submitted - Regarding.

- Ref:-**
1. Letter. No. D3/JJM/UKD Project/Pipeline/Permission, Dated: 13.08.2024 of Executive Engineer RWS & S, Division, Ananthapuramu.
 2. Deputy Executive Engineer (R&B) NH, Sub-Division, Tadipatri Letter No.1/DEE,NH,TDP/2024-25, Dt. 05-09-2024.
 3. This office Letter No.NH-42/Road Cutting/RWS Pipeline/ATO/2024-25, Dt. 11-09-2024.
 4. Memo No.NH-42/Km 26+300 to 42+400/DCE(NH&CRF)EE/DEE1/AEE3, Dt. 23.10.2024 of Engineer-in-Chief (R&B) NH&CRF, Vijayawada.
 5. Lr No. D3/Ukd/JJM work/NH-42 Permission/2024, Dt.28.11.2024 of Executive Engineer RWS & S, Division, Ananthapuramu
 6. Letter No.NH-42/Road Cutting/RWS Pipeline/ATO/2024-25, Dt:30.11.2024 of the Executive Engineer (R&B) NH Division, Ananthapuramu.

<><><><>

It is submitted that the Proposals for Permission to carry out open trench & Horizontal Direct Drilling (HDD) method for laying of water Pipeline from Km.26/300 to Km. 42/400 along the A.P. State Border to Krishnagiri road (Uravakonda - Ananthapuramu - Krishnagiri Road) NH-42 State by RWS & S Department was submitted for approval vide reference 3rd cited.

Further, the Engineer-in-Chief, (R&B) NH&CRF, Vijayawada vide reference 4th cited, had returned the proposal with certain observations and requested to resubmit the proposal.

Accordingly the Executive Engineer (R&B) NH Division, Ananthapuramu has resubmitted the proposals duly obtaining the replies from the RWS & S Department as follows.

Sl. No	Observations	Reply
1	RWS Department has proposed water pipe line from Km.26/300 to 34/400 (RHS) and from Km.34/400 to 42/400 (LHS) and crossing at Km.26/300 and 34/400 for a total length of 13836mt of NH-42. However, in the strip plan, it is observed that water pipe line is proposed only on the left side towards increasing chainage.	Updated Strip plan from Km.26/300 to 42/400 and crossing at Km.26/300 and 34/400 submitted by the RWS&S Department Anantapuramu is herewith submitted.
2	In the calculation sheet of License Fees & Bank Guarantee, it is observed that Uravakonda village is at Km.26.300 and Udiripikonda village is at Km.40.700, but in the strip plan it is completely opposite.	Updated strip plan is herewith submitted.
3	In the Inspection report, it is mentioned that the Row of the road varies from 20 to 24mt. However, in the checklist, it is mentioned RoW as 16mt only.	Updated Inspection report and checklist are herewith submitted.
4	In the calculation sheet of License Fee & Bank Grantee, the Water pipe line proposed from Km.26/300 to 34/400 on left side and from Km.34/400 to 42/400 on right side, but in the strip plan it is completely opposite.	Updated strip plan is herewith submitted.
5	Details of laying of water pipe line i.e., distance from RoW Boundary is not mentioned.	Distance from Row Boundary 1.5 mts which is now shown in the strip plan and herewith submitted.

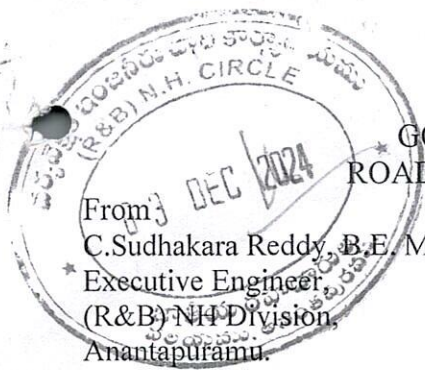
Hence, I request the Engineer-in-Chief, (R&B) NH&CRF, Vijayawada to obtain permission from the competent authority for the above road cutting and orders may please be communicated at an early date.

Encl:- a. a

Yours faithfully,

[Signature]
Superintending Engineer,
(R&B) NH Circle, Ananthapuramu.

Copy to the Executive Engineer (R&B) NH Division, Ananthapuramu.



GOVERNMENT OF ANDHRA PRADESH
ROADS AND BUILDINGS (N.H.) DEPARTMENT

To
The Superintending Engineer,
(R&B) NH Circle,
Anantapuramu.

678
3/12/2024

Letter No.NH-42/Road Cutting/RWS Pipeline/ATO/2024-25, Dt. 30-11-2024

Sir,

Sub:- (R&B) NH Division, Anantapuramu – “Permission to carry out open trench & Horizontal Direct Drilling (HDD) method for laying of water Pipeline from Km.26/300 to Km.42/400 along the A.P State Border to Krishnagiri road (Uravakonda – Anantapuramu – Krishnagiri Road) NH-42” – Compliance for the Observation Submitted – Regarding.

- Ref:-
1. Lr. No. D3/JJM/UKD Project/Pipeline/Permission, Dt: 13.08.2024 of Executive Engineer RWS & S, Division, Anantapuramu
 2. Deputy Executive Engineer (R&B) NH, Sub-Division, Tadipatri Letter No.1/DEE,NH,TDP/2024-25, Dt. 05-09-2024.
 3. This office Letter No.NH-42/Road Cutting/RWS Pipeline/ATO/2024-25, Dt. 11-09-2024
 4. Memo No.NH-42/Km 26+300 to 42+400/DCE(NH&CRF)EE/DEE1/AEE3, Dt.23.10.2024, of Engineer-in-Chief (R&B) NH&CRF, Vijayawada.
 5. Lr No. D3/Ukd/JJM work/NH-42 Permission/2024, Dt.28.11.2024 of Executive Engineer RWS & S, Division, Anantapuramu

&&&

It is submitted that Proposal for Permission to carry out open trench & Horizontal Direct Drilling (HDD) method for laying of water Pipeline from Km.26/300 to Km.42/400 along the A.P State Border to Krishnagiri road (Uravakonda – Anantapuramu – Krishnagiri Road) NH-42 State by RWS&S Department and submitted for approval vide reference 3rd cited.

Further, the Engineer-in-Chief (R&B) NH&CRF, Vijayawada vide 4th cited, had returned the proposals unapproved with certain observations and the same is resubmitted duly attending the observations.

Sl.No	Observations	Reply
1	RWS Department has proposed water pipe line from Km.26/300 to 34/400 (RHS) and from Km.34/400 to 42/400 (LHS) and crossing at Km.26/300 and 34/400 for a total length of 13836mt of NH-42. However, in the strip plan, it is observed that water pipe line is proposed only on the left side towards increasing chainage.	Updated Strip plan from Km.26/300 to 42/400 and crossing at Km.26/300 and 34/400 submitted by the RWS&S Department Anantapuramu a copy of herewith submitted.

2	In the calculation sheet of License Fees & Bank Guarantee, it is observed that Uravakonda village is at Km.26.300 and Udiripikonda village is at Km.40.700, but in the strip plan it is completely opposite.	Updated strip plan herewith submitted.
3	In the Inspection report, it is mentioned that the Row of the road varies from 20 to 24mt. However, in the checklist, it is mentioned RoW as 16mt only.	Updated Inspection report and checklist herewith submitted.
4	In the calculation sheet of License Fee & Bank Grantee, the Water pipe line proposed from Km.26/300 to 34/400 on left side and from Km.34/400 to 42/400 on right side, but in the strip plan it is completely opposite.	Updated strip plan herewith submitted.
5	Details of laying of water pipe line i.e., distance from RoW Bound ary is not mentioned.	Distance form RoW Boundary 1.5mts mention in the strip plan.

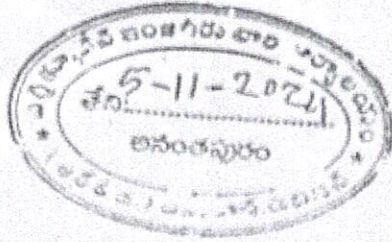
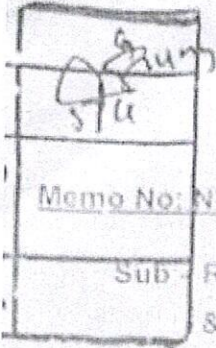
Hence, I request the Superintending Engineer (R&B) NH Circle, Anantapuramu to obtain approval from the competent authority for taking further necessary action.

This is submitted for favour of your kind information and necessary action.

Yours faithfully,

[Signature]
Executive Engineer,
(R&B) NH Division, Anantapuramu.

2
30/11/24



Office of the Engineer-in-Chief (R&B),
National Highways & CRF,
MG Road, Vijayawada.

1445
5/10/20

Memo No: NH 42/Km 26+300 to 42+400/DCE(NH&CRF)/EE/DEE1/AEE3 dt: 23.10.2024

Sub: R&B Department – National Highways - "Permission to carry out open trench & Horizontal Direct Drilling (HDD) method for laying of water Pipeline from Km.26/300 to Km.42/400 along the A.P State Border to Krishnagiri road (Uravakonda Anantapuramu Krishnagiri Road) NH-42" - Proposals submitted
Requested-Permission— Proposal returned with observations for compliance
Reg


Ref:- SE, NH, ATP Lr. No. Lr No: 454/NH-42/Road Cutting/RWS Pipeline/SE, NH,
ATP/DY,SE/ATO/2024-25, Dt 21.09.2024.

With reference to the above, the proposal for laying of water Pipeline from Km.26/300 to Km 42/400 along the A.P State Border to Krishnagiri road (Uravakonda Anantapuramu Krishnagiri Road) NH-42 has been examined in this office and the following observations are made.

1. RWS Department has proposed water pipe line from Km 26/300 to 34/400 (RHS) and from Km 34/400 to 42/400 (LHS) and crossings at Km 26/300 and 34/400 for a total length of ¹⁶³⁶13836 mt of NH 42. However, in the strip plan, it is observed that water pipe line is proposed only on the left side towards increasing chainage.
2. In the calculation sheet of License Fees & Bank Guarantee, it is observed that Uravakonda village is at Km 26.300 and Udiripikonda village is at Km 40.700, but In the strip plan it is completely opposite.
3. In the Inspection report, it is mentioned that the ROW of the road varies from 20 to 24 mt. However, in the checklist, it is mentioned ROW as 16 mt only

4. In the calculation sheet of License Fee & Bank Guarantee, the Water pipe proposed from Km 26/300 to 34/400 on left side and from Km 34/400 to 42/400 on right side, but in the strip plan it is completely opposite.
5. Details of laying of water pipe line i.e., distance from ROW Boundary is not mentioned.

In view of the above, the Superintending Engineer (R&B), NH Circle, Ananthapuramu is requested to resubmit the proposal duly taking in to consideration of the above observations.


Engineer-in-Chief (R&B),
NH & CRF, A.P., Vijayawada
23/10

To
The Superintending Engineer (R&B),
(R&B) NH Circle, Ananthapuramu.

Copy to:

- ✓ 1. The Executive Engineer (R&B), NH Division, Ananthapuramu with a similar request

INSPECTION REPORT

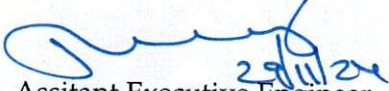
Permission to carry out Open trench & Horizontal Direct Drilling (HDD) method for Laying of Water Pipeline from Km.26/300 to Km.42/400 along the A.P. State border to Krishnagiri road (Uravakonda -Ananthapuramu section) - NH42.

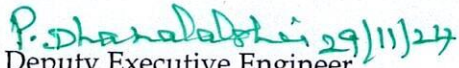
We have inspected site, with reference of the proposal submitted by Executive Engineer, RWS&S Division, Ananthapuramu. for the along A.P. State border to Krishnagiri road (Uravakonda -Ananthapuramu section) - NH42 from Km. 26/300 to Km.42/400 for a total length of 36 meters. The following points were observed and mentioned below. 16.1 km. \approx 16100m

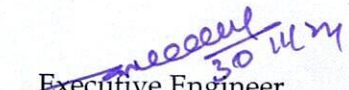
- 1 The total length of Water Pipeline Proposed is 13,800 Mts along the road from Km. 26.300 to Km.42.400 and across the road at Km.265200 & Km.34.400. 36 m
- 2 The Executive Engineer, RWS&S Division, Ananthapuramu has Proposed to lay Water Pipeline by Open trench (at a depth of 1.65 Mts below ground level) to a length of 13,800 Mts and by 36 MtsHDD (at a depth of 1.65 Mts below ground level) . 16,100
- 3 The ROW of the road varies from is 20 to 24 Mts in this reach.
- 4 Restoration of trench should be done by the Agency as specified by the Ministry Vide F.No.RW/NH-33044/29/2015/S&R(R) Dated 22-11-2016.
- 5 The Agency has submitted Undertaking for submission of Performance Bank Guarantee, Indemnity bond, Certificate for relocation of pipe line in case 2/4- Lanning of the road and under taking to comply with the MORTH Guide lines.
- 6 The strip plan and methodology of laying Water Pipeline and other documents submitted by the agency is attached here with.
- 7 At Major bridges and village/Town limits where available ROW is restricted Water Pipeline ducts shall have to be laid using HDD method.

The land rates have been obtained from the offices of the Registration and Stamps Department, Government of Andhra Pradesh and a copy of the same is attached.

Further the restoration charges Rs. 40,34,000 ^{40,34,000} in the shape of Bank Guarantee and license fee Rs. 87,131/- ^{1,01,111} (for five years) in the favour of RPAO (NH) Hyderabad through Bharatkosh portal (www.bharatkosh.gov.in) may be obtained from Executive Engineer, RWS&S Division, Ananthapuramu.



Assistant Executive Engineer,
(R&B) NH Section-II, Tadipatri



Deputy Executive Engineer,
(R&B) NH Sub-Division, Tadipatri

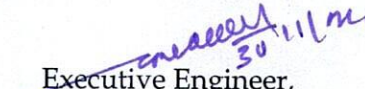

Executive Engineer,
(R&B) NH Division, Ananthapuramu

CERTIFICATE

- 1 Under signed has examined the proposal of the applicant for laying of Permission to carry out Open Trench & Horizontal Direct Drilling (HDD) Method for Laying of Water pipe line from Km.26/300 to Km.42/400 along the Road A.P. State border to Krishnagiri road (Uravakonda -Ananthapuramu section) - NH42 and confirm that the all standard conditions issued vide Ministry Circular No.RW/NH-33044/29-2015/S&(R), Dt: 22.11.2016 has been followed.
- 2 It is certified that any other locations of utility line would be extremely difficult and unreasonable costly and installation of utility line within RoW will not adversely affect the design stability & traffic safety of the highway nor the likely future improvement such as widening of the carriageway, casing of curve etc.,
- 3 I will ensure supervision of the work of laying of utility and ensure that the defects in the road portion after laying of utility are corrected.
- 4 I will ensure the proposed permission in the entered in the register of records.
- 5 The record of previous approval, if any has been considered and the copy of same is enclosed with the proposal.


29/11/24
Assitant Executive Engineer,
(R&B) NH Section-II, Tadipatri


29/11/24
Deputy Executive Engineer,
(R&B) NH Sub-Division, Tadipatri


30/11/24
Executive Engineer,
(R&B) NH Division, Ananthapuramu

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 DWF through 100% FHTCs to Uravakonda habitation of Uravakonda Gramapanchayath of Uravakonda Mandal of Ananthapuramu District. (JAL JEEVAN MISSION GRANT)	
1.1	Name and Address of the Applicant/Agency	Executive Engineer, RWS&S Division Ananthapuram.	
1.2	National Highway Number	NH- 42	
1.3	State	ANDHRA PRADESH	
1.4	Location	Between Ananthapuram and Uravakonda	
1.5	Chainage/K.m	From KM 26/300 RHS to 42/400 (LHS) for total length of 14.80 KM <u>6.100 km</u>	
1.6	Length in Meters	7100 M RHS (8 100 M along the NH 42 road) (8000 mtrs LHS along 15 M across the NH 42 road.), 15 M road crossing Nimbagal crass road, road crossing at Konapuram Substation	
1.7	Width of available ROW		
	a) Left side from center line towards increasing chainage /km direction	10M	
	b) Right side from center line towards increasing chainage /km direction	10M	
1.8	Proposal to lay the utility		
	a) Left side from center line towards increasing chainage /km direction	From KM 34/400 (LHS) to 42/400 LHS)	
	b) Right side from center line towards increasing chainage /km direction	From KM 26/300 (RHS) to 32 200 RHS) & (32/200 RHS to 34/400 RHS)	
1.9	Proposal to acquire the land	NA	
	a) Left side from center line	NA	
	b) Right side from center line	NA	
1.10	Whether proposal is in the same side where land is not to be acquired	NA	
	if not then where to lay the pipeline		
1.11	Details of already laid services, if any along the proposed route	NA	
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	NA	
	if YES then which side		
	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 carriageway	NA	
1.17	Whether carrying of water pipeline has been proposed on highway/bridges if YES then mention the methodology proposed for the same	NO	
	Whether carrying of water pipeline has been proposed on the parapet/any part of the bridges. if YES then mention the methodology proposed for the same	NO	

	a)whether the existing drainage structures are allowed to carry the utility pipeline	NA	
	b)is it on a line 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 15 meter	Yes	
	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.	Yes	
	Mention type of casing	NA	
	e)Ends of the casing pipe shall be sealed from the outside.so that it doesnot act as a drainage path	Yes	
	g) The top of the casing/conduit pipe should be atleast 1.5 meter below the surface of the road subject to being at least 0.3 meter below the drain inverts	Yes	
	mention the proposed details		
	h)Mention the methodology proposed for crossing of road for the proposed Water pipe line .Crossing shall be by boring method HDD.specially where the existing road pavement is of cement concrete or dense bituminous concrete type	Road Cutting (internal Uravakonda Road & Konapuram Sub station)	
	i)The casing pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a water way along it	Yes	
1.18	No of applications on the same stretch	1	
1.19	Whether the case of multiple licenses	No	
2	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 trench less technology	NO	
	Document /Drawing to be enclosed with the proposal	NA	
2.1	Crosssection showing the size of the trench for open trenching method	NA	
2.2	Cross section showing the size of the pit and location of pipe for HDD method	NA	
2.3	Strip plan/route plan showing the Drinking Water Pipelinechainage Width of ROW distance of proposed pipeline from the edge of ROW. Important mile stone Intersections ,cross drainage works etc...	Yes Enclosed as per Drawing	
2.4	Methodology for laying of the utility pipeline	Enclosed	
2.4.1	open trenching method.(May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type	Back Fill the Soil excavated with compaction @ every 300mm	
2.4.2	Horizontal Directional Drilling method(HDD method)	For NH Road Crossing,Approach Road,Acceleration & Deceleration Lanes and Fuel Station roads.	
2.4.3	methodology for laying of the pipeline through CD works and method of laying	Yes Enclosed	
	in cases where the carrying of water pipeline on the bridge becomes inescapable		
3	Draft license agreement is signed by two witnesses	Enclosed	
3.1	The License fee estimate as per Ministry's guidelines issued vide circular No.RW/NH/33044/29/2015/S&R dated 22.11.2016		

4	Whether Performance Bank Guarantee as per Ministry's guidelines issued vide circular No.RW/NH/33044/29/2015/S&R dates 22.11.2016		
4.1	confirmation of BG has been obtained or not as per MORTH /NHAI guide lines	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 for not to damage any other utility ,if damaged then to pay the losses either to NHAI or to the concerned agency	Yes Enclosed	
5.2	Undertaking for renewal of BG as when asked by MORTH/NHAI	Yes Enclosed	
5.3	Undertaking for confirming all standard condition of Ministry /NHAI guide lines	Yes Enclosed	
5.4	Undertaking for indemnity against all damages and claims	Yes Enclosed	
5.5	Undertaking for management of traffic moment during laying of utility line without hampering the traffic	Yes Enclosed	
5.6	Undertaking that if any claim is raised by the concessionaire /contractor then the same has to be paid by applicant	Yes Enclosed	
5.7	Undertaking that prior approval of the NHAI shall be obtained before undertaking any work of installation,shifting of repairs,or alterations to the utility located in the NH ROW	Yes Enclosed	
5.8	Undertaking that expenditure if any incurred by NHAI for repairing any damages caused to the NH by laying,maintenance or shifting of the utility line will be borne by the applicant agency owning the line.	Yes Enclosed	
5.9	Undertaking that text of the License deed is as per verbatim of MORTH format issued Vide Ministry's Circular No:RW/NH-33044/29/2015/S&R(R)DATED 22-11-2016	Yes Enclosed	
5.10	Undertaking that the applicant has obtained various safety clearances from the respective 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 as applicable,before applying Highway Administration	Not Applicable as the utility line proposed is Drinking Water Pipeline.	
5.11	If the MORTH/NHAI considers it necessary in future to move the utility line for any work of improvement or repairs to the road,it will be carried out as desired by the MORTH/NHAI at the cost of the agency owning the utility line within a reasonable time(not exceeding 60 days)of the intimation given.	Yes Enclosed	
5.12	Certificate from the applicant in the following format i)Laying of Drinking Water Pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic	Yes Enclosed	
	ii)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 six laneing/any other development.	Yes Enclosed	
6	who will sign the agreement on behalf of Water Pipeline agency?	Executive Engineer, RWS&S Division, Ananthapuram.	

	Power of attorney to sign the agreement is available or not	NA	
7	The project director will submit the following certificates		
7.1	certificate that the proposal is confirming to all standard conditions issued vide ministers circular no:RW/NH/33044/29/2015/S&R*DATED 22-11-2016.	Yes	
7.2	certificate from PD in the following format		
	i)"It is certified that any other location of the Drinking Water Pipeline would be extremely difficult and unreasonably costly and the laying of pipeline within RoW will not adversely affect the design, stability and traffic safety of the highway nor the likely future improvement such as widening of the carriage, easing of curve." .ii)for 6-Laning		
	a) Where feasibility is available "I do certify that there will be no hindrance to proposed six-laning based on the feasibility report considering proposed structures at the said location". b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-laning"		
8	If NH section proposed to be taken up by NHAI on BOI basis a clause is to be inserted in the agreement. The permitted Highway on which licensee has been granted the right to lay Gas pipeline /Duct has also been granted as a right of way of to the cocessionaire under the concession agreement for upgrading of(-----Section from KM ----- to KM ----- of NHno:----- on build. (operate and transfer basis)and therefore the licensee shall honour the same	Yes	
9	who wil supervise the work of laying of Water pipeline.		
	a)on behalf of the applicant	Executive Engineer, RWS&S Division, Ananthapuramu.	
	b)on behalf of MORTH /NHAI	Executive Engineer(R&B),NH Division, Ananthapuramu.	
10	Who will ensure that the defects in road portion after alying of drinking water pipeline are corrected and if not corrected then what action will be taken		
	a)on behalf of the applicant	Executive Engineer, RWS&S Division, Ananthapuramu.	
	b)on behalf of NHAI	Executive Engineer(R&B),NH Division, Ananthapuramu.	
11	Who will pay the claims for damages done /disruption in working of concesionaire if asked by the concessionaire.	Executive Engineer, RWS&S Division, Ananthapuramu.	
12	A certificate from PD that he will enter the proposed permission in the registerof records of the permissions in the prescribed proforma(copy enclosed)		
15	if any previous approval is accorded for laying of drinking water pipeline then photocopy of register of records/permissions accorded(as maintained by PD) be enclosed.	NA	

Name /Designation/Signature of the
authorized representative of the aplicant

29/11/24
Assistant Executive Engineer
(R&B), NH Section-II, Tadipatri.

29/11/24
Deputy Executive Engineer
(R&B) NH Sub-division, Tadipatri

K.Muralidhara Rao
Executive Engineer
RWS&S, Division, Ananthapuramu


30/11/24
Executive Engineer (R&B)
M.H. Division, Anantapur


(Enclosure to Ministry Circular No.RW/Nh-33044/27/2015-S&R(R), dated 22.11.2016.)

Format for Maintaining Records of Right-of -way permission granted for laying Drinking Water Pipeline.

	1.Name of State		:	Andhra Pradesh							
	2. name of Agency		:	NH R&B, Ananthapuram							
	3.NH Number		:	NH -544DD							
Sl. No	Location (Chainage in Km)		Left or Right side of NH (Towards increasing chainage/KM direction).	Section and reach	Kind if Service	Name of License and contact Address	Date of Signing of Agreement	Date of Validity of Agreement	Date of last Inspection of Site	Any Deviation from most Standard Norms	Remarks
1.	26/300	30/280	RHS	Nimbagal cross road to New Sachivalayam building Chinna Mustur	Drinking water Pipe line	Executive Engineer RWS&S Division, Ananthapuram				NO	
2.	32/200	34/400	RHS	Chinna Mustur village ending to Near hillock at Konapuram sub station	Drinking water Pipe line	Executive Engineer RWS&S Division, Ananthapuram				NO	
3.	39/400	40/700	LHS	Near Penna Bridge entrance to Near Penna Bridge Ending	Drinking water Pipe line	Executive Engineer RWS&S Division, Ananthapuram				NO	
4.	42/400		LHS	Udiripikonda hillock portion	Drinking water Pipe line	Executive Engineer RWS&S Division, Ananthapuram				NO	


A. E. RWS&S, URA


P. A. Sph
OEE/RWS&S/UR/SD


Executive Engineer,
RWS&S, Division(N),
Ananthapuramu.

K. B.
28/11/24

UNDERTAKING FOR PAYMENT OF LICENSE FEES/LEASE RENTALS

We, Executive Engineer, RWS&S Division, Ananthapuram do hereby undertake in reference to our ROW application for laying of pipe line along NH 42 at the following chainages


FROM	26/300	31/200	32/200	34/400	39/400	40/700	42/400
SIDE	RHS	RHS	RHS	RHS	LHS	LHS	LHS
Land Mark	Nimbagal cross road	New Sachivalayam building Chinna Mustur	Chinna Mustur village ending	Near hillock at Konapuram sub station	Near Penna Bridge entrance	Near Penna Bridge Ending	Udiripikonda hillock portion

for a total length of 14.80 KM along the road, under jurisdiction of R&B, NH-Division, Ananthapuram.
16.10

We shall pay License Fees/lease rental charges for granting License for use of Highway land whenever charged by the Highway Administration as per point No.5 of MoRTH guidelines vide letter no. RW/NH-33044/29/2015/S&R(R) Dated: 22nd November 2016.


A. S. Srinivas


M. A. Sagar
D. E. E. / RWS&S Division


Executive Engineer,
RWS&S, Division(N),
Ananthapuramu.


K. S. Srinivas
28/11/24

Under taking as per Sl.No.5 of Check List


We, Executive Engineer, RWS&S Division, Ananthapuram, are planning to lay Drinking water Pipeline along NH-42 Section of Uravakonda – Ananthapuramu at the following chainages,


FROM	26/300	31/200	32/200	34/400	39/400	40/700	42/400
SIDE	RHS	RHS	RHS	RHS	LHS	LHS	LHS
Land Mark	Nimbagal cross road	New Sachivalayam building Chinna Mustur	Chinna Mustur village ending	Near hillock at Konapuram sub station	Near Penna Bridge entrance	Near Penna Bridge Ending	Udiripikonda hillock portion

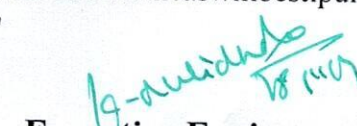
for a total length of 14.80 KM along the road, under jurisdiction of R&B, NH-Division, Ananthapuram.

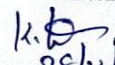
We hereby undertake the following conditions with reference to the above cited work:

- 5.1 We undertake that Not to Damage any other utility, if damaged then to pay the losses either to Authority or to the concerned agency
- 5.2 We undertake to renew the Bank Guarantee as and when asked by MoRTH/NHAI.
- 5.3 We undertake to confirm all standard conditions of Ministry Circulars and NHAI Guidelines.
- 5.4 We undertake to indemnify against all damages and claims.
- 5.5 We undertake management of traffic movement during laying of drinking water pipelines without hampering the traffic.
- 5.6 We undertake that if any claim is raised by the Concessionaire/contractor then the same shall be paid by us.
- 5.7 We undertake that prior approval of the NHAI shall be obtained before undertaking any Work of installation, shifting or repairs or alterations to the utility located in the National Highway Right-of-Ways.
- 5.8 We undertake to bear expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the utility line.
- 5.9 We undertake that text of the licensed deed is as per verbatim of MoRTH format (issued vide Ministry's Circular no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016).
- 5.10 Not Applicable for Drinking Water Pipeline.
- 5.11 We undertake to carry out the work of moving the utility line at our cost as desired by the MoRTH/NHAI for any work of improvement or repairs to the road within a reasonable time (not exceeding 60 days) of the intimation given.
- 5.12 We hereby undertake to submit the certificate in below format:
 - i) Laying of OFC will not have any deleterious effects on components and roadways safety for traffic any of the bridge
 - ii) We do undertake that I/we will relocate service road/approach road/utilities at my/our own cost notwithstanding the permission granted with insuch time as will be stipulated by NHAI for future six-laning or any other development."


 A. E. RWS / UNO


 P. A. S. RWS / UNO


Executive Engineer,
RWS&S, Division(N),
Ananthapuramu.


 28/11/24

Certificate as per Sl.No.5.12 of Check List.


We, Executive Engineer, RWS&S Division, Ananthapuram, are planning to lay Drinking water pipeline along NH-42 Section of Uravakonda – Ananthapuramu at the following chainages,


FROM	26/300	31/200	32/200	34/400	39/400	40/700	42/400
SIDE	RHS	RHS	RHS	RHS	LHS	LHS	LHS
Land Mark	Nimbagal cross road	New Sachivalayam building Chinna Mustur	Chinna Mustur village ending	Near hillock at Konapuram sub station	Near Penna Bridge entrance	Near Penna Bridge Ending	Udiripikonda hillock portion


for a total length of 14.80 KM along the road, under jurisdiction of R&B, NH-Division, Ananthapuram. 16.100

We, Executive Engineer, RWS&S Division, Ananthapuram hereby certify that

- Laying of OFC will not have any deleterious effects on components and roadways safety for traffic any of the bridge
- 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 six-laning or any other development."


AE / RWS & S / ANAP


D/E / RWS & S / ANAP


**Executive Engineer,
RWS&S, Division(N),
Ananthapuramu.**


28/11/24

Under taking for performance Bank Guarantee

We, Executive Engineer, RWS&S Division, Ananthapuram, are planning to lay Drinking water pipeline along NH-42 Section of Uravakonda - Ananthapuramu at the following chainages,

FROM	26/300	31/200	32/200	34/400	39/400	40/700	42/400
SIDE	RHS	RHS	RHS	RHS	LHS	LHS	LHS
Land Mark	Nimbagal cross road	New Sachivalayam building Chinna Mustur	Chinna Mustur village ending	Near hillock at Konapuram sub station	Near Penna Bridge entrance	Near Penna Bridge Ending	Udiripikonda hillock portion

for a total length of 14.80 KM along the road, under jurisdiction of R&B, NH-Division, Ananthapuram. *16.10*

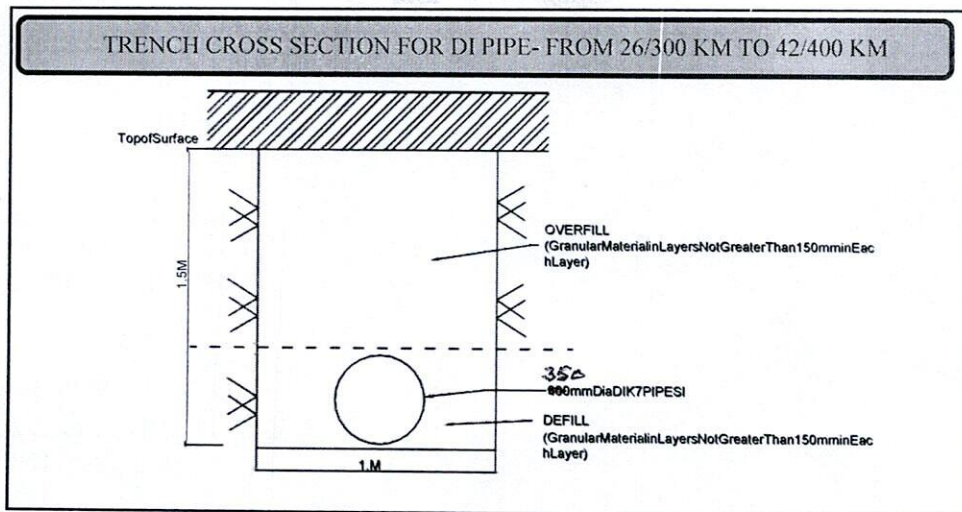
We, Executive Engineer, RWS&S Division, Ananthapuramu, we hereby undertake to furnish Performance Bank Guarantee @ Rs. 250 per route meter for a period of one year initially (extendable if required till satisfactory completion of work) as a security against proper restoration of NH ROW and any disruption/ damages caused to the NHT rafficas well as damages caused to other underground installations/utility services & interference, interruption, disruption or failure caused thereof to any services etc. In case, Executive Engineer, RWS&S Division, Ananthapuram failing to discharge the obligation of making good of other restoration works, Authority shall have a right to do so at the cost of the Executive Engineer, RWS&S Division, Ananthapuram and recover the amount by forfeiture of the Bank Guarantee. 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 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, Executive Engineer, RWS&S Division, Ananthapuram shall either furnish a fresh guarantee or extend the guarantee for a further period of one year.

[Signature]
AE/RWS&S/URVAKONDA

G. A. Sagar
DTE/RWS&S/URVAKONDA

[Signature]
Executive Engineer,
RWS&S, Division(N),
Ananthapuramu.

[Signature]
28/11/24



AE RWS&S

P. A. S. S. / 10/11/24

G. S. S. / 10/11/24

**Executive Engineer,
RWS&S, Division,
Ananthapuramu.**

K. S. S. / 28/11/24

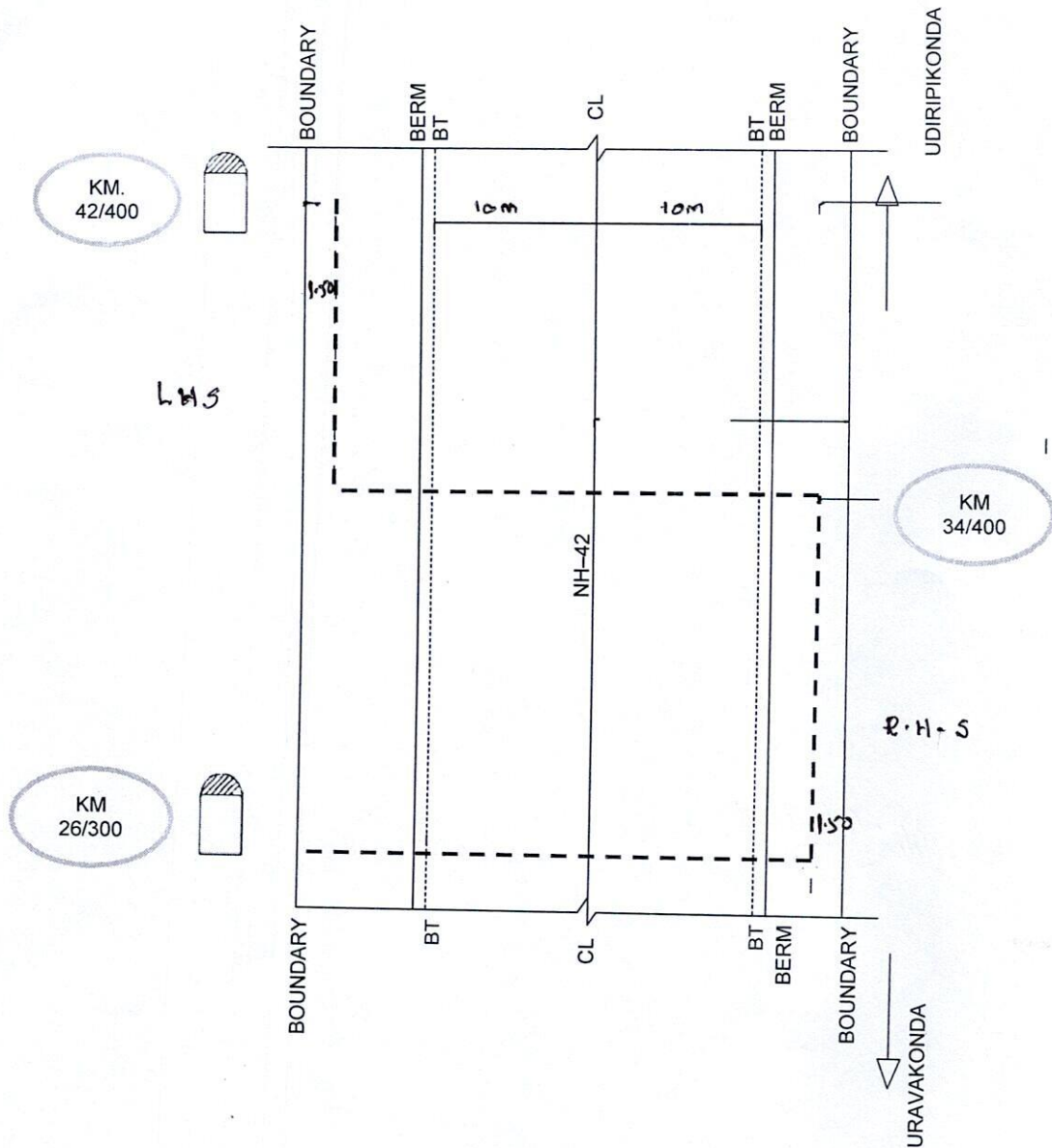
29/11/24

**Assistant Executive Engineer
(R&B), NH Section-II, Tadipatri.**

P. Dhanadasi
29/11/24

**Deputy Executive Engineer
(R&B) NH Sub-division, Tadipatri**

ROW PLAN For RWS Department Drinking water
Pipeline from Uravakonda to Udiripikonda (Strip Plan)



[Signature]
29/11/24
Assistant Executive Engineer
(R&B), NH Section-II, Tadipatri

[Signature]
G.A.S.
DEE/RWS&S/UKO/SD

[Signature]
A.E. / RWS & S

[Signature]
29/11/24
Deputy Executive Engineer
(R&B) NH Sub-division, Tadipatri

[Signature]
Executive Engineer
R.W.S & S. Division
ANANTAPURAMU.

[Signature]
28/11/24

[Signature]
30/11/24
Executive Engineer (R&B)
N.H. Division, Anantapur



INDIA NON JUDICIAL



Government of Andhra Pradesh

IN-AP11715855122987W

e-Stamp

Certificate No. : IN-AP11715855122987W
Certificate Issued Date : 13-Aug-2024 05:03 PM
Account Reference : NEWIMPACC (SV)/ ap18161504/ AP-ATP/ AP-AFR1/apnaymedu
DDO Code : 27002308001 O/o IG R
Unique Doc. Reference : SUBIN-APAP1816150411347580408612W
Purchased by : EXECUTIVE ENGINEER RWS AND S DIVISION ANANTAPUR
Description of Document : Article 6(C) Agreement in any other case
Property Description : AGREEMENT
Consideration Price (Rs.) : 0
(Zero)
First Party : EXECUTIVE ENGINEER RWS AND S DIVISION ANANTAPUR
Second Party : EXECUTIVE ENGINEER N H DIVISION ANANTAPUR
Paid By (For Whom) : EXECUTIVE ENGINEER RWS AND S DIVISION ANANTAPUR
Stamp Duty Amount(Rs.) : 100
(One Hundred only)



Please write or type below this line

**AGREEMENT REGARDING GRANTING OF RIGHT OF WAY PERMISSIONS FOR LAYING
DRINKING WATER PIPE LINE ON NH -42**

Agreement to lay pipe line along NH 42 at the following chainages.

FROM	26/300	31/20	32/200	34/400	39/400	40/700	42/400
SIDE	RHS	RHS	RHS	RHS	LHS	LHS	LHS
Land Mark	Nimbagal cross road	New Sachivalayam building Chinna Mustur	Chinna Mustur Village ending	Near hillock at Konapuram sub Station	Near Penna Bridge entrance	Near Penna Bridge Ending	Udiripikonda hillock portion

For a total length of 13.80 KM along the road. Uner jurisdiction of R&B, NH- Division, Anantapurua.

This agreement made this (month) of 2024 year between...The Executive Engineer NH(R&B) Ananthapuramu acting in his executive capacity through(hereinafter referred to as "Authority" which expression shall unless excluded by or repugnant to the context, include his successors in office and assigns) on the one part, and The Executive Engineer, RWS &S Division Ananthapuram, (hereinafter called the "Licensee") which expression shall unless excluded by repugnant to the context, include his successors/ administrator assigness on the second part.

Whereas the Authority is respsible , inter-alia, for development and maintenance of lands in 26/300 to 42/400 with 14.80 Km. Of NH No.42 Row.

HIF 0013585228

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at www.shclstamp.com or using e-Stamp Mobile App of State of Andhra Pradesh.
2. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
3. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

Executive Engineer
R.W.S & S. Division
ANANTAPURAMU.

Whereas the Licensee proposes to lay pipe line along NH 42 at the following chainages

FROM	26/300	31/20	32/200	34/400	39/400	40/700	42/400
SIDE	RHS	RHS	RHS	RHS	LHS	LHS	LHS
Land Mark	Nimbagal cross road	New Sachivalayam building Chinna Mustur	Chinna Mustur village ending	Near hillock at Konapuram sub station	Near Penna Bridge entrance	Near Penna Bridge Ending	Udiripikonda hillock portion

for a total length of 14.80 KM along the road, under jurisdiction of R&B,NH-Division, Ananthapuram.

Whereas the Licensee has applied to the Authority for permission to lay pipe line along NH 544DD at the following chainages

FROM	26/300	31/20	32/200	34/400	39/400	40/700	42/400
SIDE	RHS	RHS	RHS	RHS	LHS	LHS	LHS
Land Mark	Nimbagal cross road	New Sachivalayam building Chinna Mustur	Chinna Mustur village ending	Near hillock at Konapuram sub station	Near Penna Bridge entrance	Near Penna Bridge Ending	Udiripikonda hillock portion

for a total length of 14.80 KM along the road under jurisdiction of R&B,NH-Division, Ananthapuram.

Andwhereas the Authority has agreed to grant such permission on the terms and conditions hereinafter mentioned.

Now this agreement witnesses that in consideration of the conditions hereinafter contained and on the part of the Licensee to be observed and performed, the Authority hereby grants to the Licensee permission to lay pipe line as per the approved drawing attached hereto subject to the following conditions, namely.

1. Row permissions are only enabled 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 fulfilment of technical Requirements shall be final and binding on all concerned parties. In case any disruption/damage is Caused to any existing user by the subsequent user, the Authority shall not be held accountable or Liable in any manner.
3. The Licensee shall be responsible for undertaking all activities including, but not limited to site Identification, survey, design, engineering, arranging finance, project management, Obtaining Regulatory approvals & necessary clearances, supply of equipment, material, construction, erection, Testing and commissioning, maintenance and operation and all other activities essential or required for Efficient functioning of their own utility/ industrial infrastructure facilities.
4. The Licensee shall pay license fees @ Rs/sq m/month to the Authority. The License fee shall become Payable from the date of handing over of ROW land to the Licensee, for laying of Utilities/cables/conduits/pipelines for infrastructure/ service provider. As regards Tariff and Terms and Conditions for providing common utility ducts along National Highways, there shall be a separate Agreement regime.

5. Fee shall have to be paid in advance for the period for which permission is granted for entering into a license agreement. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
6. Present policy of the MoRTH 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 roadside 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.
9. In exceptional cases, where ROW is restricted the utility services can be allowed beneath the carriageway of service road, if available, subject to the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct shall not be less than one lane. In such cases, it also needs to ensure that maintenance of the utility services shall not interfere with the safe and smooth flow of traffic. The cost of operation and maintenance will have to be borne by the Licensee.
10. It is to be ensured that at no time there is interference with the drainage of the road land and maintenance of the National Highways. Towards this, the top of the utility services shall be at least 0.6 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 subgrade 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-1.
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 cm wider than the outer diameter of the pipe. The trench shall conform to the specifications contained here-in-below or as supplied by the Highway Authority.
- a. Bedding shall be to a depth not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles, and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edges should be excavated and replaced by selected

material.

- b. The backfill shall be completed in two stages (i) Side-fill to the level of the top of the pipe (ii) Overfill to the bottom of the road crust.
 - c. The side fill shall consist of granular material laid in 15 cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.
 - 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 50 m away from the edge of the right of way;
18. All required restoration work subsequent to laying of the pipeline 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 coordination with Authority, regarding the location of other utilities/underground installations/ facilities etc. The Licensee shall ensure the safety and security of already existing underground Installations / utilities /facilities etc. before commencement of the excavation/using the existing cable ducts. The Licensee shall procure insurance from a reputed insurance company against damages to already existing underground installations/utilities/facilities etc.
23. The Licensee shall be solely responsible/ liable for full compensation/indemnification of concerned agency/aggrieved Authority for any direct, indirect or consequential damage caused to them/claims or replacements sought for, at the cost and risk of the Licensee. The concerned agency in coordination with

Authority shall also have a right make good such damages/ recover the claims by forfeiture of Bank Guarantee.

24. If the Licensee fails to comply with any condition to the satisfaction of the Authority, the same shall be executed by the Authority at the cost and risk of the Licensee.

25. Grant of License is subject to the Licensee satisfying (a) minimum disruption of traffic and (b) no damage to the highways. As far as possible, the Licensee should avoid cutting of the road for crossing highway, and other roads and try to carry out the work by trenchless technology. In case any damage is caused to the road pavement in this process, the Licensee will be required to restore the road to the original condition at its cost. If due to unavoidable reasons the road needs to be cut for crossing or laying utility services, the Licensee has to execute the restoration work in a time bound manner at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.

26. The Licensee shall inform/give a notice to the concerned agency designated by the Authority at least 15 days 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 is 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.

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 geotagged photographs and geotagged video recordings of laying of pipeline 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 work.
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 canceled 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 safety, 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 implementations 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.

IN WITNESS WHEREOF THE PARTIES HERETO HAVE CAUSED THIS AGREEMENT TO BE EXECUTED THROUGH THEIR RESPECTIVE AUTHORIZED REPRESENTATIVES THE DAY AND THE YEAR FIRST ABOVE WRITTEN.

SIGNED SEALED AND DELIVERED FOR AND ON BEHALF OF AUTHORITY.

BY SHRI.....
(Signature, Name & Address with Stamp)

SIGNED ON BEHALF OF M/S.....s.....(LICENSEE)

BY SHRI.....
(Signature, Name & Address with Stamp)

HOLDER OF GENERAL POWER OF ATTORNEY DATEDEXECUTED 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.

[Enclosure to Ministry of Road Transport & Highways letter no. RW/NH-34044/29/2015/S&R(R)(Pt.) dated 22.11.2016]

Format for Maintaining Records of Right of Way permission granted for laying OFC

(To be maintained separately for every NH and State)

1. Name of State
 2. Name of Agency
 3. NH Number
- : Andhra Pradesh
: EE (R&B) NH Division, Ananthapuramu
: NH-42

S. No.	Location (change in Km)	Left or right side of NH (towards increasing chainage/km direction)	Section and reach	Kind of service	Name of license and contact address	Date of signing of agreement	Date of validity of agreement	Date of last inspection of site	Any deviation from MOST standard norms	Remarks
1	crossing at Km.55/935		Uravakonda – Anantapuramu – Madanapalli – Krishnagiri	Gas Pipeline						
2	From Km.165/960-164/748.	RHS	Mudigubba to Anantapuramu District Border	Telecom	M/s Vindhya Telelinks Limited., Marredpally Secunderabad				No	
3	From Km.76/000 to Km.79/500 (LHS) and crossing at Km.76/980	LHS,	Anantapuramu to Mudigubba Section	Gas Pipeline	M/s AGP City Gas Private Ltd., 1st Floor, BNR Complex, D.No.8-288C Anantapuramu Andhra Pradesh				No	Work completed BG to be returned

[Enclosure to Ministry Circular No. RW/NH-33044/17/2000-S&R dated 29.9.2000 and dt. 23.07.2003]

Format for Maintaining Records of Right-of-Way permission granted for laying OFC

(to be maintained separately for every NH and State)

1. Name of State : Andhra Pradesh
2. Name of Agency (NH-R&B) : NH
3. NHAI Number : NH-42

S.No	Location (change in Km)	Left or right side of NH (towards increase/decrease chainage/km direction)	Section and reach	Kind of service	Name of license and contact address	Date of signing of agreement	Date of validity of agreement	Date of last inspection of site	Any deviation from MOST standard norms	Remarks
A 1	KM. 40/750 to KM. 43/330 Across the Road CH-40/750 (25 Mtrs)	RHS		Bharti Airtel Fiber	M/S Bharti Airtel Limited, 1-8-splendid Tower, opp Begumpet Police Station, Huda Road, Begumpet. Hyderabad. Telangana-500016.				No	



P. Sharada Devi
26/11/24

Deputy Executive Engineer
(R & B) NH Sub-Division, Tadipatri.

Assistant Executive Engineer
(R&B) NH Section-II, Tadipatri.

Methodology adopted for laying of pipe line

General

1. After thorough study of entire stretch of proposed pipeline laying, we have proposed to lay our pipe line along the road for a total length of 13,800 Mts in this 13,800 by open trench method.
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:

There will be a continuous digging following a single line in an open trench. The depth of the trench will be 1.0m to 1.4m 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 1.0m (measured from top of pipe trench cross section drawing attached in the proposal. A crown of 250 mm 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 authority having jurisdiction over the area.

Executive Engineer,
RWS&S, Division(N),
Ananthapuramu.

28/11/24

AE RWS / UKD

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. 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 of the conduit and to achieve optimal production. The third stage places the duct in the enlarged hole by the way of the drill stem. It is pulled behind the reamer to allow cantering of the 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 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.

K. Ananthapuramu
Executive Engineer,
RWS&S, Division(N),
Ananthapuramu.

K.A.
28/11/24

H.A.S.
DEE/RWS&S/UKD/ST

[Signature]
AE/RWS&S/UKD

Methodology adopted for laying of pipeline

SINGLE ROAD CROSSING 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 all 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 Road, 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 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.

K. A. Srinivas
Executive Engineer,
RWS&S, Division(N),
Ananthapuramu.

K.D.
28/11/24

H. A. Srinivas
DFF/RWS&S/01/01/10

AE/20/10/24

4	From Km.4/4 to Km.7/9 (RHS) of Pungal road junction to BPCL near	R.H.S.	Anantapuramu to Mudigubba Section	Gas Pipeline	M/s AGP City Gas Private Ltd., 1st Floor, BNR Complex, D.No.8-288C Anantapuramu Andhra Pradesh			No	Work completed BG to be returned
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[Signature]

P. Shanabashini
26/11/24

Assistant Executive Engineer
(R&B), NH Section-II, Tadipatri.

Deputy Executive Engineer
(R & B) NH Sub-Division, Tadipatri.