



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## NATIONAL HIGHWAYS AUTHORITY OF INDIA

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

### क्षेत्रीय कार्यालय - हैदराबाद

प्रथम तल, नया भवन, भारतीय प्रशासनिक स्टाफ कॉलेज, रोड नं-3, बंजारा हिल्स, हैदराबाद-500 034, तेलंगाना.

### REGIONAL OFFICE - HYDERABAD

First Floor, New Building, Administrative Staff College of India (ASCI), Road No. 3, Banjara Hills, Hyderabad - 500 034, Telangana.

टेली / Tele : 040 - 29562147 / 48 ई-मेल / Email : rohyderabad@nhai.org, nhairohyd@gmail.com

### Notice Inviting Public Comments



NHAI/RO-HYD/25011/1/42/2022/Utility/784

Dt.17.06.2022

**Sub:** NHAI - RO Hyderabad - PIU Hyderabad-Proposal for laying of Water Pipeline of M/s Andhra Pradesh State Irrigation Development Corporation Limited for crossing National Highway NH-65 at Km. 193/059 (RHS to LHS) across National Highway NH-65 by HDD methodology of Hyderabad to Vijayawada section in the State of Telangana- Reg..

**Ref:** 1. PIU Hyd Lr.no.NHAI/PIU-HYD/NH-65/APSIDC/Km.193.059/2022/906,dt: 02.06.2022

The Project Director, PIU, NHAI Hyderabad vide letter cited above has recommended the Proposal of M/s Andhra Pradesh State Irrigation Development Corporation Limited for laying of Water Pipeline across National Highway NH-65 by HDD methodology at Km. 193/059 (RHS to LHS) of Hyderabad to Vijayawada section in the State of Telangana.

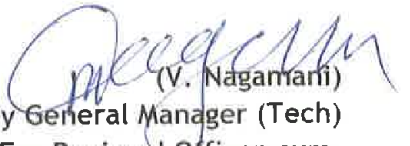
2. As per para 4 of the Ministry's guidelines no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, public comments is hereby invited on the above proposal seeking claims and objections (on grounds of public inconvenience, safety and general public interest) within 30 days on public portal i.e. website of Ministry of Road Transport and Highways (www.morth.nic.in) in Form-A (copy enclosed) for "Accommodation of Public and Industrial Utility Services along and across National Highways".

#### Comment Inviting Authority

The Regional Officer,  
National Highways Authority of India,  
Regional Office: Hyderabad,  
First Floor, New Building,  
Administrative Staff College of India(ASCI),  
College Park Campus, Road No.3,  
Banjara Hills, Hyderabad - 500 034,  
Telangana State,  
Phone: 040-29562147, 040-29562148,  
Email: rohyderabad@nhai.org, nhairohyd@gmail.com

Yours faithfully,

Encls: Above Proposal

  
(V. Nagamani)  
Dy General Manager (Tech)  
For Regional Officer-cum-  
Highway Administrator, Hyderabad

To:

1. Senior Technical Director, NIC, Transport Bhawan, New Delhi- 110001 for uploading on Ministry's website.
2. Shri S.Manivasagam, Dy. GM (IT), NHAI HQs, New Delhi for uploading on NHAI website.

**Copy to:-**1. The Project Director, NHAI, PIU Hyderabad: for information

## FORM-A

Form for seeking claims and objections (on grounds of public inconvenience, safety and general public interest) on the application for Accommodation of Public and Industrial Utility Services along and across National Highways

**Sub:** NHAI - RO Hyderabad - PIU Hyderabad-Proposal for laying of Water Pipeline of M/s Andhra Pradesh State Irrigation Development Corporation Limited for crossing National Highway NH-65 at Km. 193/059 (RHS to LHS) across National Highway NH-65 by HDD methodology of Hyderabad to Vijayawada section in the State of Telangana-Reg.

The claims and objections (on grounds of public inconvenience, safety and general public interest) by the general public needs to be given within 30 days of uploading the online application for comments

Sl. No	Item	Details
1	Name of the person who is desiring to give claims and objections (on grounds of public inconvenience, safety and general public interest)	
2	Address of the person	
3	Details of the application for Accommodation of Public and Industrial Utility Services along and across National Highways against which claims and objections are being given (name of applicant and other details like site address etc.)	
	a) Application No.	
	b) Name of applicant (who applied to Accommodation of Public and Industrial Utility Services along and across National Highways)	
	c) Details of Application	
4	The claims and objections (on grounds of public inconvenience, safety and general public interest)	



**CHECK LIST**  
(Vijayawada - Hyderabad Section of NH - 65)

Guidelines for Project Directors for processing the proposal for laying Water Supply Pipeline by private parties in the land along National Highways vested with NHAI.

**Relevant Circulars**

- 1) Ministry Circular No. NH-41 (58)/68 Dated :-31.1.1969
- 2) Ministry Circular No. NH-III/P/66/76 dated 18/19-11-1976.
- 3) Ministry Circular No. RW/NH-III/P/66/76 dated 11-05-1982
- 4) Ministry Circular No. RW/NH - 11037/1/86-DOI (II) dated 28-07-1993
- 5) Ministry Circular No. RW/NH - 11037/1/86-DOI dated 19-01-1995
- 6) Ministry Circular No. RW/NH - 34066 / 2/95 S & R Dated 25-10-1999
- 7) Ministry Circular No. RW/NH - 34066 / 7/2003 S & R (B) Dated 17.09.2003

**Check List for getting approval for laying Water Supply Pipeline on NH-65  
(NH-9 as Old NH Number) land**

S.NO	Item	Information / Status	Remarks
1	General information		
1.1	Name and address of the Applicant / Agency	M/s Andhra Pradesh State Irrigation Development Corporation Ltd, Vijayawada.	
1.2	National Highway Number	NH-65 (Old NH-9)	
1.3	State	Andhra Pradesh	
1.4	Location	Garikapadu Village, Jaggalahpeta mandal, Krishna District.	
1.5	Chainage in KM	193/059 (LHS)	
1.6	Length in Meters	60.0 MTS Crossing at 193/059 (RHS To LHS)	
1.7	Width of available ROW		
	(a) Left side from centre line to tower towards increasing chainage / km direction	As per drawing attached	
	(b) Right side from centre line to tower towards increasing chainage / km direction	As per drawing attached	
1.8	Proposal to lay the underground water Supply Pipe line		
	<b>Along the National Highway</b>		
	(a) Left side from centre line to tower towards increasing chainage / km direction	NA	
	(b) Right side from centre line to tower towards increasing chainage / km direction	NA	
	<b>Across the National Highway</b>		
	(a) Left side from centre line to tower towards increasing chainage / km direction	30 mtrs	KM 193/059 (RHS to LHS)
	(b) Right side from centre line to tower towards increasing chainage / km direction	30 mtrs	
1.9	Proposal to acquire land	Nil	
	(a) Left side from center line	Nil	
	(b) Right side from center line	Nil	
1.10	Whether proposal is in the same side where land is not to be acquired	NA	
	If not then where to lay the underground water supply pipe line	With in the utility corridor and from the edge of available ROW	Across at @ KM 193/059
1.11	Details of already laid services. If any, along proposed route	Nil	
1.12	Number of existing lines (2/4/6/8 lanes)	4-Lane	
1.13	Proposed Number of lines (2 lane with paved sholders/4/6/8 lanes)	6-Lane	
1.14	Service road existing or not existing	Not Existing	

K. Bhenu  
(S.E)

M. G. (T)

P. D

**PROJECT DIRECTOR**  
NATIONAL HIGHWAYS AUTHORITY OF INDIA  
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	if yes then which side		
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.15	Proposed Service road		
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.16	Whether proposal to lay Underground water supply pipe line is crossing after the service road or between the service road and main carriageway	With in ROW	
1.17	Whether carrying of sewage/water supply pipe line has been proposed on highway bridges. If yes, then mention the methodology proposed for the same	No	
1.17(a)	Whether carrying of sewage/water supply pipe line has been proposed on the parapet/any part of the highway bridges. If yes, then mention the methodology proposed for the same	No	
1.18	If crossings of the road involved	Yes	
	If yes, it shall be either encased in pipes or through structure or conduits specially built for that propose at the expenses of the agency owning the line	Yes. Will be encased in 1200 mm RCC NP-4 pipes	
	a) Whether existing drainage structures are allowed to carry sewage/water supply pipe line	No	
	b) Is it on a line normal to NH	Yes	
	c) What is the distance of crossing the sewage/water supply pipe line from the existing structure. Crossing shall not be too near the existing structure on the national highway, the minimum distance being 15 meter.	Above 15m i.e 16 metres	
	d) The casing pipe (or conduit pipe in case of electric cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength large enough to permit ready withdrawal of the carrier pipe /cable	Yes	
	e) Ends of the casing / conduit pipe shall be sealed from the out side, so that it does not act as drainage path	Yes	
	f) The casing / conduit pipe should as minimum extend from drain to drain in cuts and toe of slope in the fills	Yes	
	g) The top of the casing/conduit pipe should be at least 1.2 meter below the surface of the road subject to being at least 0.3m below the drain inverts	Yes	
	h) Crossing shall be by boring method (HOD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Yes	
	g) The top of the casing/ conduit pipe should be at least 1.2meter below the surface of the road subject to being at least 0.3 below the drain inverts. Mention the proposed details	1.65 mtrs below the OGL of the road, 0.50 mtrs below the drain inverts	

K. D. S. (S.E.)

ng (CT)

*[Signature]*

P. D. PROJECT DIRECTOR  
NATIONAL HIGHWAYS AUTHORITY  
PROJECT IMPLEMENTATION  
HYDERABAD - 500 001

	h) Mention the methodology proposed for crossing of road for the proposed sewage/water supply pipe line. Crossing shall be by boring method (HDD) (Trench less Technology), specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	HDD Method	
	i) The casing/conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a waterway along it	Yes	
2	<b>Document / Drawings enclosed with the proposal</b>		
2.1	Cross section showing the size of trench for open trenching method (is it normal size i.e. 1.2m deep x 0.3m wide) 1) Should not be greater than 60 cm wider than the outer diameter of the pipe. 2) Located as close to the extreme edge of the right-of way as possible but not less than 1.5 meter from the centre lines of the nearest carriage way. 3) Shall not be permitted to run along the National Highways when the road formation is situated in double cutting, nor shall these be laid over the existing culverts and bridges. 4) These should be so laid that their top is at least 0.6 meter below the ground level so as not to obstruct drainage of the road land.	NA	
2.2	Cross section showing the size of pit and location of underground water supply pipe line for HDD method	Yes, Drawing enclosed	
2.3	Strip plan/ Route plan showing the underground water supply pipe line, Chainage, width of ROW, distance of proposed underground water supply pipe line from the edge of ROW, important mile stone, Intersections, cross drainage works etc.	Yes, Enclosed	
2.4	Methodology for laying of Underground water supply pipe line	Yes, Enclosed	
2.4.1	Open trenching method. (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type.) If yes, what is the methodology of refilling of trench		
	(a) The trench width should be at least 30cm. But not more than 60 cm wider than the outer diameter of the pipe.	NA	
	(b) For filling of the trench, Bedding shall be to a depth of not less than 3 cm. It shall consist of granular material, free of lumps, clods and cobbles and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material.	NA	
	@ The backfill shall be completed in two stages (i) side fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust	NA	

K. Bhargava  
(S.E.)

ng (CT)

Project Director  
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	(d) The side fill shall consist of granular material laid in 15cm 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.	NA	
	(e) The road crust shall be built to the same strength as the existing crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench.	NA	
	(f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	NA	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line	NA	
2.4.2	Horizontal Directional Drilling (HDD) method	YES	
2.4.3	Laying of Underground Water supply Pipeline through CD works and method of laying. In cases where the carrying of Water supply pipe line on the bridge becomes in escapable.	NA	
3	Draft License Agreement signed by two witness	YES	
4	Performance Bank Guarantee in favour of NHAI has to be obtained @ Rs. 100/- per running meter (parallel to NH) and Rs. 1,00,000/- per crossing of NH, for a period of one year initially (extended if required till satisfactory completion of work) as a security for ensuring/making good the excavated trench for laying the Water supply pipe line/ducts by proper filling and compaction, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way. No payment shall be payable by the NHAI to the license for clearing debris/loose earth. Performance BG as per above is to be obtained.	Will be submitted after according approval	After submission of BG, the same will be confirmed as per NHAI Guidelines
4.1	Confirmation of BG has been obtained or not as per NHAI guidelines	Will be submitted after according approval	
5	<b>Affidavit / Undertaking from the Applicant for the following is to be furnished</b>		
5.1	Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency	Enclosed	
5.2	For Renewal of Bank Guarantee	Enclosed	
5.3	For confirming all standard condition of Ministry Circulars and NHAI's guideline	Enclosed	
5.4	For Shifting of Underground Water supply Pipe line as and when required by NHAI at their own cost	Enclosed	
5.5	For shifting of Under ground Water supply pipe line due to 6 laning/widening of NH	Enclosed	
5.6	For Indemnity against all damages and claims	Enclosed	
5.7	For Traffic movement during laying of Underground Water supply pipe line to be managed by the applicant	Enclosed	

K. Bhargava  
(S.E)

Mg (CT)

*Report*  
PROJECT DIRECTOR  
NATIONAL HIGHWAYS AUTHORITY OF INDIA  
PROJECT IMPLEMENTATION UNIT  
HYDERABAD - 500 034.



5.8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant.	Enclosed	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the Underground Water supply Pipe line/any other utility located in the National Highway Right - Of - ways	Enclosed	
5.10	Expenditure if any incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Underground Water supply Pipe line will be borne by the applicant agency owning the pipe line	Enclosed	
5.11	If the NHAI considers if 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 NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Enclosed	
5.12	Certificate from the applicant in the following format (i) Laying of Underground Water supply Pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic. (ii) "We do undertake that I 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-laning or any other development	Enclosed	
6	Who will sign the agreement on behalf of Underground Water supply Pipe line agency	Executive Engineer M/s Andhra Pradesh State Irrigation Development Corporation Ltd. Vijayawada	
	Power to Attorney to sign the agreement is available or not	Enclosed	
7.00	The Project Director, will submit the following Certificates		
7.1	Certificate for proposal for conforming of all standard condition issued vide Ministry of Road Transport and Highways Circular No. NH3/P/66/76 dated 19.11.18/1976, RW/NH-III/p/66/76 dated 11.5.1982, RW/NH- 11037/1/86-DOI (ii) dated 28-07-1993, RW/NH-11037/1/86/DOI dated 19-01-1995, RW/NH-34066/2/95/S&R dated 25.10.1999 and Circular No.RW/NH-34066/7/2003 S&R (B) dated 17.09.2003.	YES	
7.2	Certificate from Project Director in the following Format		
	(i) "It is certified that any other location of the Under ground Water supply pipe line would be extremely difficult and unreasonable costly and the installation of Under ground Water supply pipe line 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 way, easing of curve etc."	YES	

K. Blaney  
(S.E)

mgf (T)

*Signature*  
PROJECT DIRECTOR  
NATIONAL HIGHWAYS AUTHORITY OF INDIA  
PROJECT IMPLEMENTATION UNIT  
HYDERABAD - 500 034.



	(ii) for 6 - laning 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" a) Where feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six - laning b) In case feasibility	YES	
8.0	If NH section proposed to be taken up by NHAI on BOT basis - a clause is to be inserted in the agreement "The permitted Highway on which License has been granted the right to lay Underground Water supply pipe line, has been granted as a right of way to the concessionaire under the concession agreement for up gradation of Hyderabad - Vijayawada section of NH-65 from to Km 0.000 to Km 273.500 on Build Operate and Transfer Basis and therefore, the license shall honor the same"	NA	
9.0	Who will supervise the work of laying of Underground Water supply Pipe line		
	(a) On behalf of the Applicant	M/s Andhra Pradesh State Irrigation Development Corporation Ltd, Vijayawada	
	(b) On behalf of NHAI	Project Director, Supervision Consultant	
10.0	Who will ensure that the defects in road portion after laying of Underground Water supply pipe line are corrected and if not corrected then what action will be taken		
	(a) On behalf of the Applicant	M/s Andhra Pradesh State Irrigation Development Corporation Ltd, Vijayawada	
	(b) On behalf of NHAI	Project Director, Supervision Consultant	
11.0	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the Concessionaire On behalf of the Applicant	M/s Andhra Pradesh State Irrigation Development Corporation Ltd, Vijayawada	
12.0	A certificate from Project Director that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed)	Yes, Enclosed	
13.0	If any previous approval is accorded for crossing of Under Ground Water supply Pipe line then photocopy of register of records of permissions accorded as maintained by Project Director the copy be enclosed	Yes, Enclosed	

Executive Engineer  
Andhra Pradesh State Irrigation  
Development Corporation Ltd,  
Vijayawada

21/3/2022

K. Bhonu  
(S.E.)

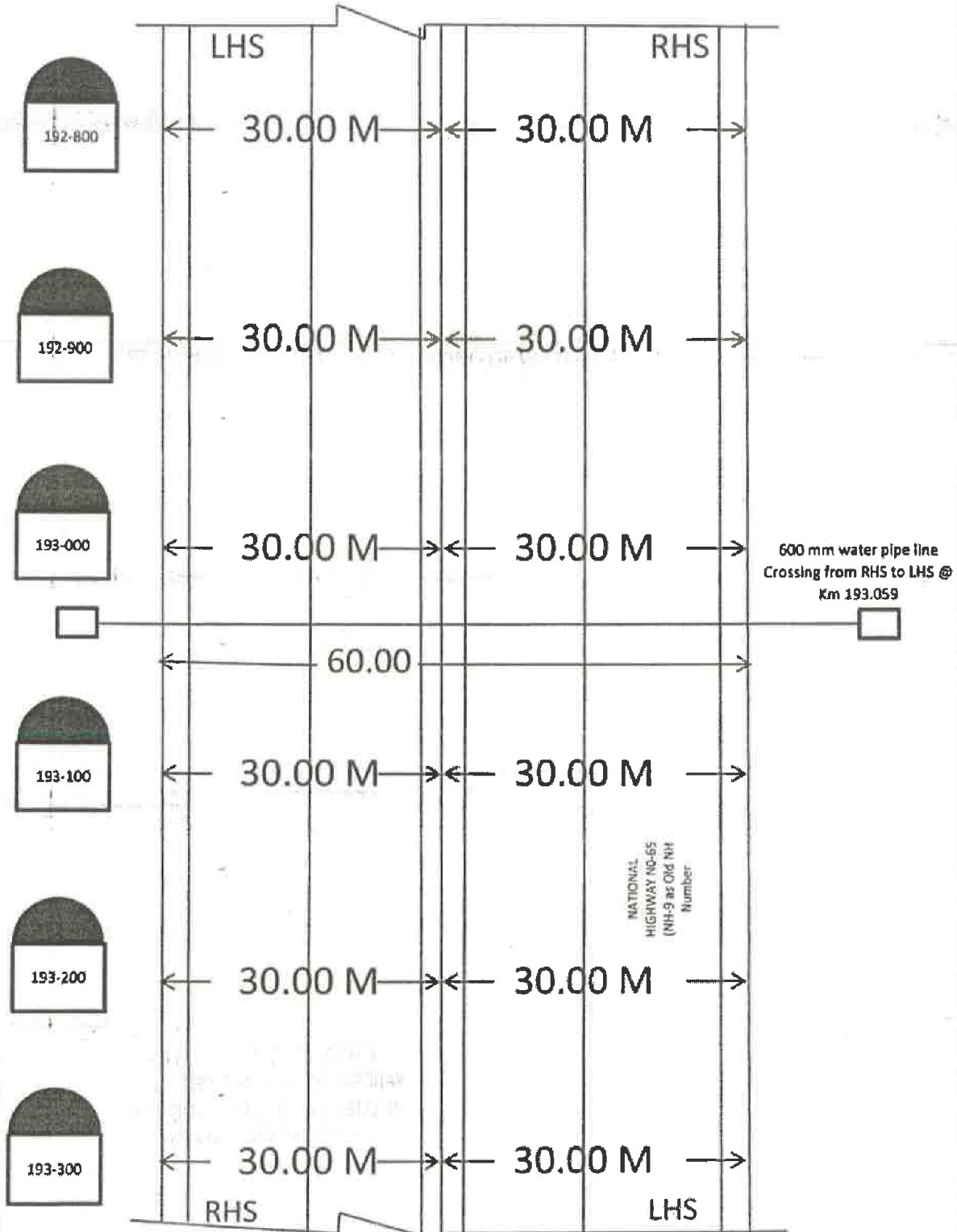
MGR (T)

The Project Director,

**PROJECT DIRECTOR**  
**NATIONAL HIGHWAYS AUTHORITY OF INDIA**  
**PROJECT IMPLEMENTATION UNIT**  
**HYDERABAD - 500 034.**

STRIP PLAN/ ROUTE PLAN FOR LAYING OF WATER PIPE LINE AT KM 193/059

VIJAYAWADA



HYDERABAD

K. Blanu  
(S.D.)

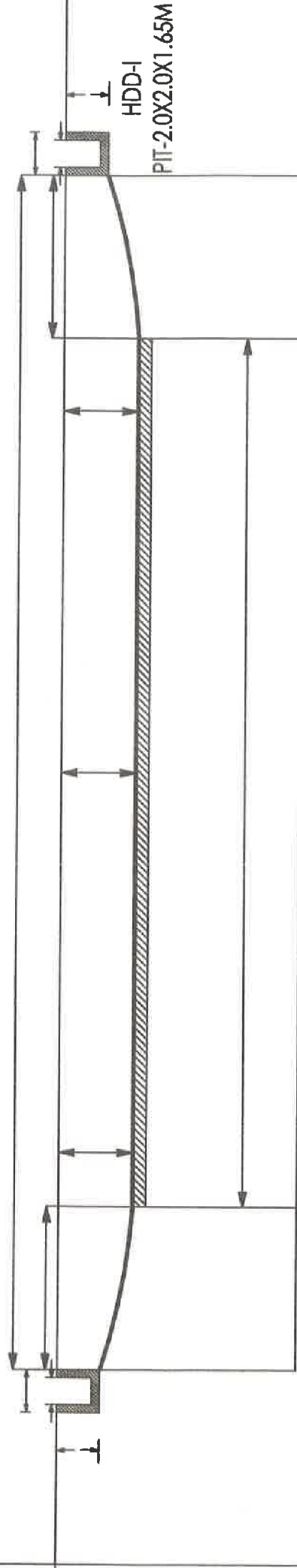
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PROJECT DIRECTOR  
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HYDERABAD - 500 034.

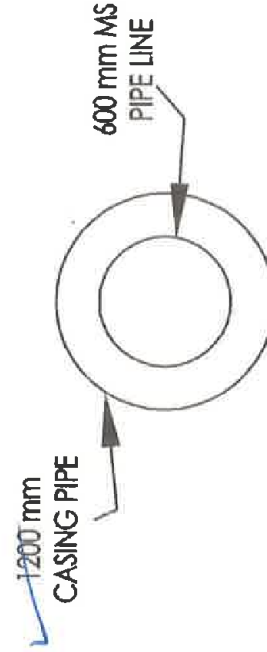
Executive Engineer  
A.P.S.I.D.C. Dvn., Vijayawada

21/3/2022  
21/3/2022

# Typical Cross Section For HDD



LOCATION DETAILS :	
Village :	Ganikapadu
Mandal :	Jaggaihpeta
District :	Krishna
State :	Andhra Pradesh
Highway :	NH-65 (New)
Chainage :	193.059
Section :	Vijayawada - Hyderabad



M/s Andhra Pradesh State Irrigation and Development Corporation Ltd.,	
A.P.S.I.D.C. Division, Vijayawada (AP) -520010	
SUBJECT :	PLAN SHOWING THE ROAD CROSS SECTION OF PROPOSED WATER SUPPLY PIPE LINE CROSSING FROM RHTS TO LHS @ KM 193.059 ON THE NATIONAL HIGHWAYS OF NH-65 (NH-9 as the Old NH Number)
DRAWN :	Prasad, Namaka, (which should be in the section)
SCALE :	NOT TO SCALE
EXECUTIVE ENGINEER :	ALL DIMENSIONS ARE IN MM.
DATE :	29-10-2021
TYPE :	UTILITY SERVICE
WASER :	CROSSED OUT ARE SUPERSEDED
DRAWING NO.	UT/AP/NH-65/GAP/004

K. Bhamu (S.E.)

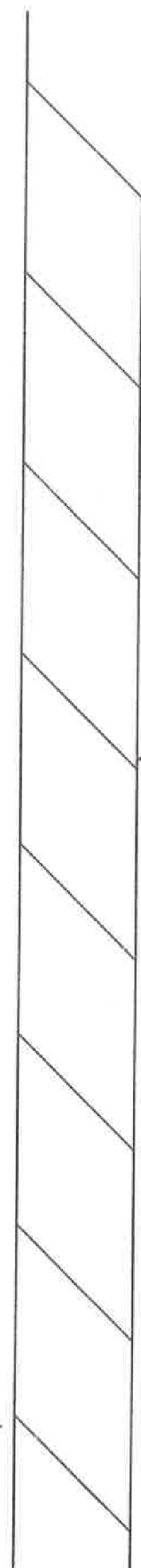
M. G. C. T.

PROJECT DIRECTOR  
NATIONAL HIGHWAYS AUTHORITY OF INDIA  
PROJECT IMPLEMENTATION UNIT  
HYDERABAD - 500 034.

Executive Engineer  
A.P.S.I.D.C. Dm., Vijayawada

29/10/2021

TOP OF THE ROAD



TOP OF THE SUB GRADE



ROAD CRUST

1.65M

1200 MM RCC PIPE NP-4

600 MM MS PIPE

CROSS SECTION

Location

Survey No	
Village	GARIKAPADU
Mandal	JAGGAIAHPET
District	KRISHNA
State	Andhra Pradesh
On	NH-65 (Old - 9)
Chainage	193.059
Side	RHS to LHS
Section	VIJAYAWADA - HYDERABAD

Andhra Pradesh State Irrigation and Development Corporation Ltd.,

A.P.S.I.D.C. Division, Vijayawada (AP) -520010

SUBJECT :

PLAN SHOWING THE CROSS SECTION OF PROPOSED WATER SUPPLY PIPE LINE CROSSING FROM RHS TO LHS @ KM 193.059 ON THE NATIONAL HIGHWAYS OF NH-65 (NH-9 as the Old NH Number) ("VIJAYAWADA TO HYDERABAD" SECTION)

DATE 28-10-2021

TYPE UTILITY SERVICES

NUMBERS CROSSED  
OUT ARE SUPERSEDED  
DRAWINGS

DRAWING NO.  
UT/AP/NH-65/  
GAP/003

DRAWN: *Prasad. Namala*, M.Tech. (Structures)-91-93540 (1991)

SCALE

ENGINEER:

UNIT

HYDERABAD - 500 034.

EXECUTIVE ENGINEER  
A.P.S.I.D.C. Div., Vijayawada

28/10/2021



# CROSS SECTION OF CASING FOR WATER SUPPLY PIPELINE ACROSS NH-65 @ 193.059 Km.

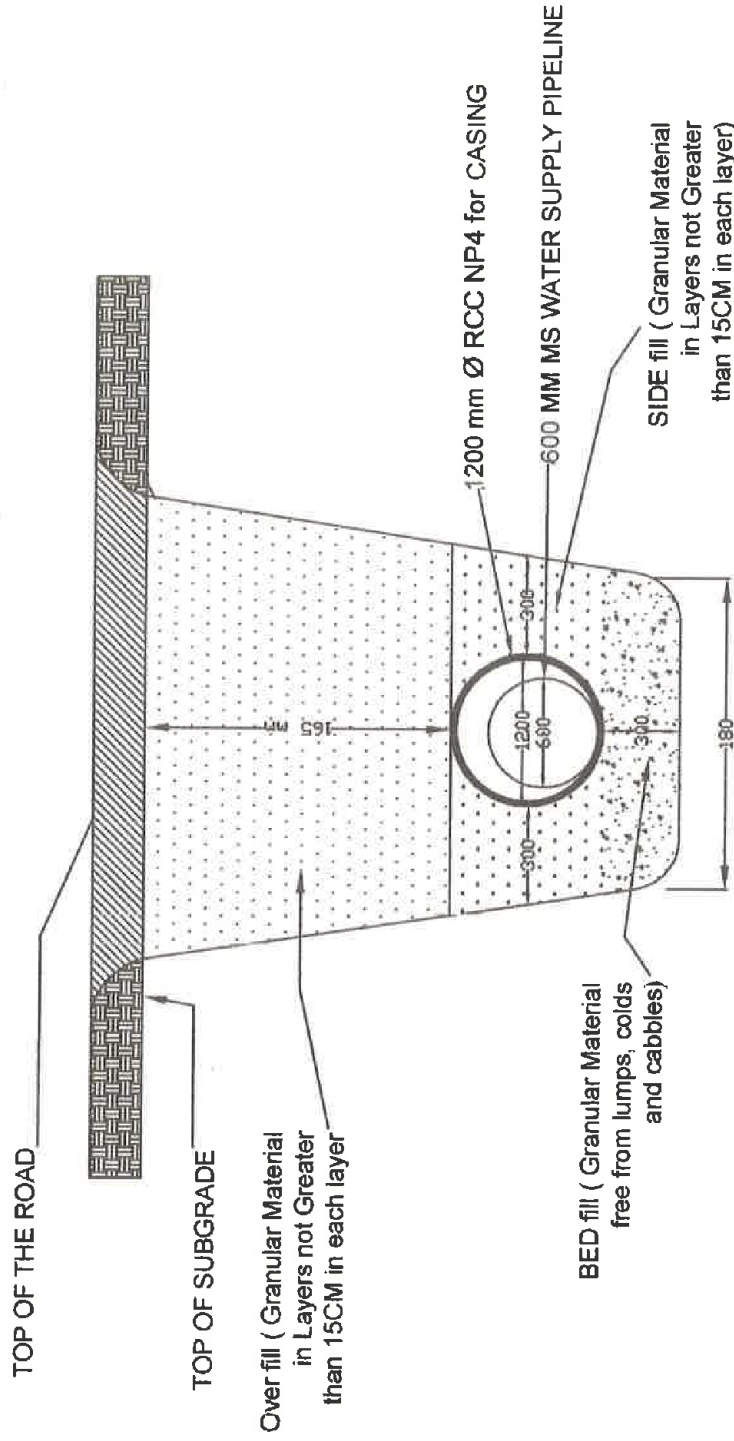


Figure-1 : Installation of casing pipe for crossing the road

Location	
Survey No	
Village	GARIKAPADU
Mandal	JAGGAIAHPET
District	KRISHNA
State	Andhra Pradesh
On	NH-65 (Old - 9)
Chainage	193.059
Side	RHS to LHS
Section	VIJAYAWADA - HYDERABAD

Andhra Pradesh State Irrigation and Development Corporation Ltd.,

A.P.S.I.D.C. Division, Vijayawada (AP) -520010

SUBJECT:

PLAN SHOWING THE CROSS SECTION OF HDD FOR PROPOSED WATER SUPPLY PIPE LINE CROSSING ON THE NATIONAL HIGHWAYS OF NH-65 @ KM 193.059 FROM RHS TO LHS (NH-9 as the Old NH Number)

[VIJAYAWADA TO HYDERABAD SECTION]

DRAWN: *Prasad. Namala*, M.Tech. (Structures) [91-09-04-1999]

ALL DIMENSIONS ARE IN MM.

EXECUTIVE ENGINEER:

PROJECT DIRECTOR:

NATIONAL HIGHWAYS AUTHORITY

PROJECT IMPLEMENTATION

HYDERABAD - 500 00

DATE: 29-10-2021

TYPE: UTILITY SERVICES

NUMBERS CROSSED OUT ARE SUPERSEDED

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NUMBERS CROSSED OUT ARE SUPERSEDED

*Prasad. Namala*, M.Tech. (Structures) [91-09-04-1999]

EXECUTIVE ENGINEER:

PROJECT DIRECTOR:

NATIONAL HIGHWAYS AUTHORITY

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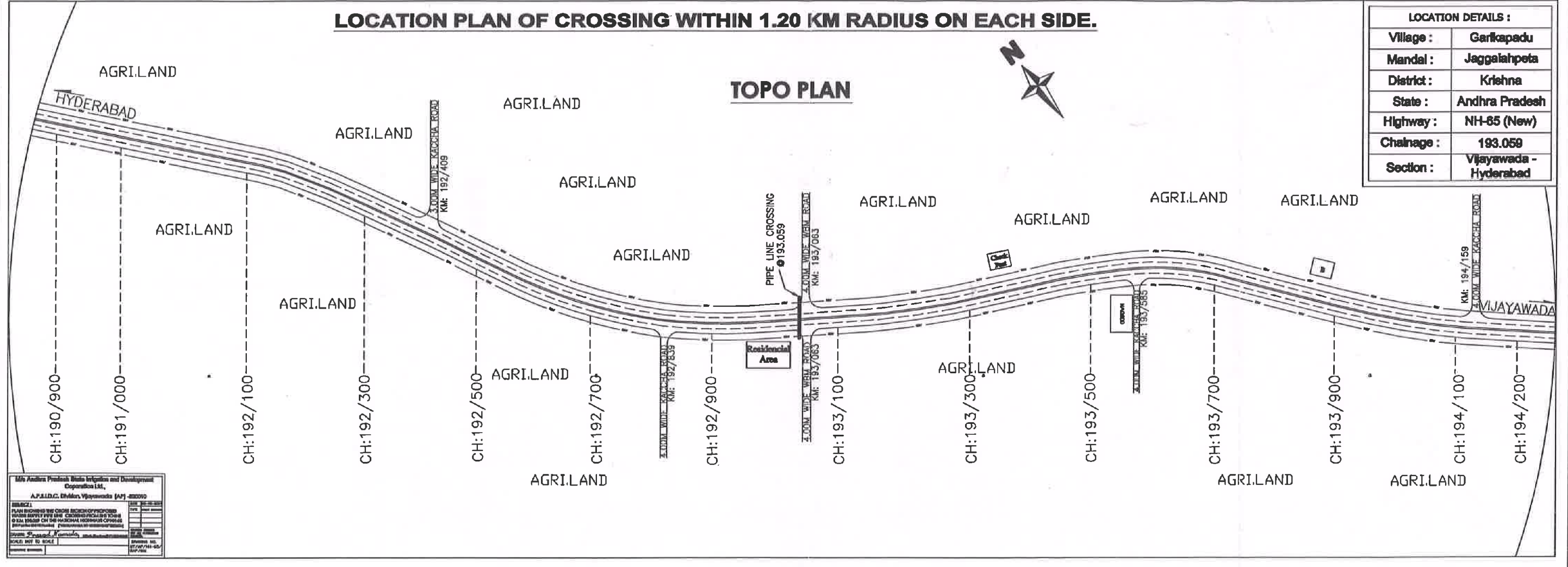


# LOCATION PLAN OF CROSSING WITHIN 1.20 KM RADIUS ON EACH SIDE.

## TOPO PLAN



LOCATION DETAILS :	
Village :	Garikapadu
Mandal :	Jaggalahpeta
District :	Krishna
State :	Andhra Pradesh
Highway :	NH-85 (New)
Chainage :	193.059
Section :	Vijayawada - Hyderabad



Executive Engineer  
A.P.S.I.D.C. Dvn., Vijayawada  
29/10/2021

K. Bhany  
(S.E.)

M. G. (CT)

Project Director  
NATIONAL HIGHWAYS AUTHORITY OF INDIA  
PROJECT IMPLEMENTATION UNIT  
HYDERABAD - 500 034.



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



सत्यमेव जयते

परियोजना कार्यान्वयन इकाई - हैदराबाद  
आवास सं : 25A & 28A, भारत का प्रशासनिक स्टाफ कॉलेज, कॉलेज पार्क कैंपस, सड़क सं : 3, बंजारा हिल्स, हैदराबाद - 500 034, तेलंगाना

**PROJECT IMPLEMENTATION UNIT - HYDERABAD**

Dir.No. 25A & 28A, Administrative Staff College of India (ASCI), College Park Campus, Road No.3, Banjara Hills, Hyderabad- 500 034, Telangana

Land Mark : Near IV9 Bus Stop

टेली / Tele : 040-29550558 ई-मेल / Email : hyd@nhai.org / nhaihyd@gmail.com

NHAI/PIU-HYD/NH-65/HYD-VIJ/APSIDC/Km.193+059/2022/2432

Date: 11.03.2022

To  
The Executive Engineer  
APSIDC Limited  
D.No40-9/1-31, Swetcha Plaza,  
Vasavya Nagar, Benz Circle,  
Vijayawada - 520 010.

Sub: NHAI, PIU-Hyderabad - APSIDC Division - Proposal to lay Water Pipeline crossing at Km.193/059 (RHS to LHS) on Vijayawada- Hyderabad section of NH-65 (NH-9 as Old NH Number) at Garikapadu village Jaggaiahpet Mandal Krishna (Dist) Andhra Pradesh - Observations Communicated - Reg.

Ref: 1. APSIDC letter no. IDC/EE/VJA/DB/ThakkellapaduLIS/2021-22/965 dt. 25.02.2022  
2. IE lr. no. K&J/IE/O&M/NH-65/HYD-VIJ/2021-22/March-05 dated 03.03.2022  
3. Concessionaire lr. no. GHVEPL/NH65/TP2/NHAI/2168 dated 08.03.2022

\*\*\*\*

Sir,

This has reference to the letters cited on the subject matter. In this regard, it is to inform that the Concessionaire & IE has inspected the sited, furnished certain observations (copies enclosed). Further, the proposal has been examined following observations are noted:

- It is noted that, the existing Hume Pipe Culvert is 16m away from proposed Water Pipe line crossing where as in check list mentioned 6m.
- It is noted that, the length of crossing is 62.5m where as in Strip plan / Route plan showing the crossing length 57.10m.
- It is noted that, in check list sl. no. 1.8 (a) Left side from center line to towards increasing chainage/km direction is 30m where as in check list mentioned 29m (b) Right side from center line to towards increasing chainage/km direction 30m where as in check list mentioned 29m.
- License fee and Bank Guarantee calculations are not submitted.

2. In view of the above, it is requested to submit compliance to the observations of IE, Concessionaire & NHAI, for taking further necessary action.

Encl: As above

Yours faithfully

(P. Nageswara Rao)  
GM (T) & Project Director

**GMR Hyderabad Vijayawada Expressways  
Private Limited**

Ref: GHVEPL/NH65/TP2/NHAI/2168  
Date: 08-03-2022

To  
The Project Director,  
National Highways Authority of India  
Project Implementation Unit – Hyderabad  
Qtr. No. 25A & 28A, Administrative Staff College of India (ASCI)  
College Park Campus, Road no.3, Banjara Hills,  
Hyderabad – 500 034, Telangana,  
Telephone no. 040 - 23372666



Site Office:  
Toll Plaza -2, Km: 118+250  
Kerhepally (Mandal), Korlapihad (villages)  
Nalgonda District - 508 211  
Telangana  
CIN U45201KA2009PTC050109  
T : +91 9652639110  
W : www.gmrgroup.in

**Sub: Contract Package No. NHDP-III/BOT/AP/01: Design Construction, Development, Finance Operation & Maintenance of Four/Six Lanning of Hyderabad – Vijayawada Section (From Km 40+000 to Km 221.500) of NH-9 in the state of Andhra Pradesh:) – Proposal to lay Water Pipeline crossing at Km.193.059 (RHS to LHS) on Hyderabad –Vijayawada section of NH-65 (NH-9 as Old) at Garikapadu village Jaggalahpet Mandal Krishna (Dist.) Andhra Pradesh – Request to furnish a detailed report along with specific recommendation. - Submission of Observations. – Reg.**

**Ref:**

1. NHAI letter no. NHAI/PIU-HYD/NH-65/HYD-VIJ/APS IDC/Km. 193+059/2022/ 343 dated 02.03.2022
2. APSIDC letter no. IDC/EE/VJA/DB/ThakkellapaduLIS/2021-22/ 965 dated 25.02.2022
3. NHAI letter no. NHAI/PIU-HYD/NH-65/HYD-VIJ/APS IDC/2021/ 1612 dated 30.11.2021

Dear Sir,

This has with reference to above cited letters, Concessionaire along with Resident Engineer, M/s K&J Projects & APSIDC representatives have inspected jointly at the proposed location of Pipeline crossing Km.193.059 (RHS to LHS) and observations are given below:

Using HDD method for a length of 62.5m it is proposed for the crossing of water Pipeline from RHS to LHS at Km.193+059, also proposed to construct 2 numbers of Chambers i.e. 2.5m, away from the ROW on either side.

As per Executive Engineer of APSIDC, the starting point of HDD is 1m away from ROW on LHS and 1m away from ROW on RHS. The diameter. of the casing pipe is 1200mm and will be laid at a depth of 1.6m from ground level to the top whereas to the bottom of the pipe is 2.4m and Internal diameter of the MS pipe is 600mm.

The existing Hume Pipe Culvert is 16m away from proposed water pipe crossing, however in the check list of applicant it mentioned as 6 m, hence the applicant has requested to correct the same.

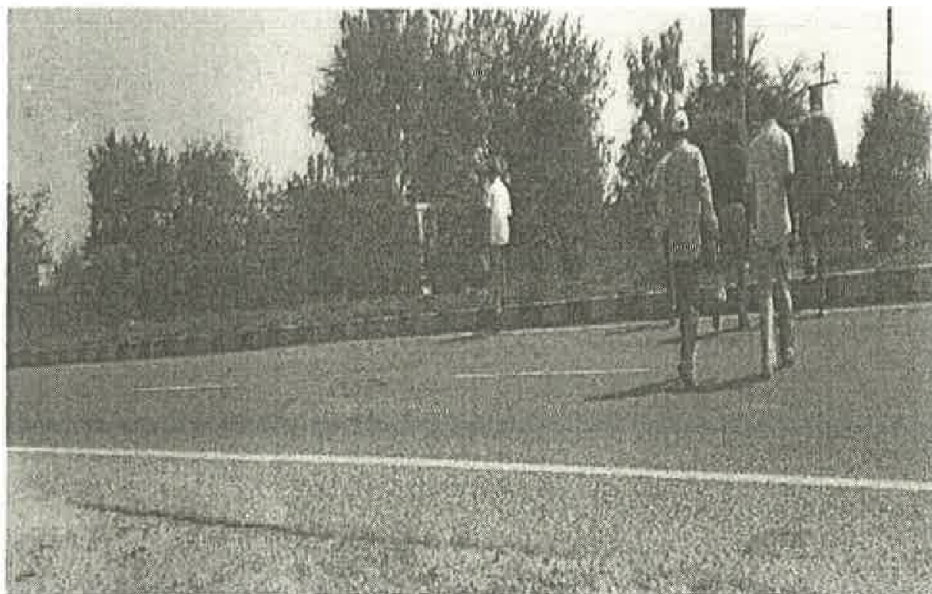
It is hereby requested to the applicant that during execution at site care should be taken such that Embankment layers should not be disturbed, otherwise the same should be restored by the applicant (APSIDC). Also the existing utilities /cable like (OFC / Gas pipe line / water pipe lines) shall not be disturbed.

Corporate Office:  
GMR T & UI Office  
Opp. to Departure Gate No. 1, Terminal-2  
Indira Gandhi International Airport  
New Delhi - 110 037

Registered Office:  
25/1, Skip House, Museum Road  
Bangalore - 560 025, Karnataka



**Photographs of site inspection at proposed water pipe crossing location at Garikpadu km 193+059**





K&J/IE/O&M/NH-65/HYD-VIJ/2021-22/March-05

Through email also

Date: 03.03.2022

To

**The Project Director,**

**National Highways Authority of India**

Project Implementation Unit – Hyderabad

Qtr. No. 25A & 28A, Administrative Staff College of India (ASCI)

College Park Campus, Road no.3, Banjara Hills,

Hyderabad – 500 034, Telangana,

Telephone no. 040 - 23372666

**Project:** Independent Engineer Services during Operation & Maintenance (O&M) for 4/6 lane stretch from Km. 40.000 to Km 221.500 of Hyderabad- Vijayawada section of NH-65 (old NH-9) Package no: NHDP-III/BOT/AP-01 in the States of Telangana and Andhra Pradesh for a total length of 181.500 kms

**Sub:** Proposal to lay Water Pipeline crossing at Km.193.059 (RHS to LHS) on Hyderabad –Vijayawada section of NH-65 (NH-9 as Old) at Garikapadu village Jaggaiahpet Mandal Krishna (Dist.) Andhra Pradesh – Request to furnish a detailed report along with specific recommendation. - **Submission of IE Observations.** – Reg.

Ref:

1. NHAI letter no. NHAI/PIU-HYD/NH-65/HYD-VIJ/APS IDC/Km. 193+059/2022/ 343 dated 02.03.2022
2. APS IDC letter no. IDC/EE/VJA/DB/Thakkellapadu LIS/2021-22/ 965 dated 25.02.2022
3. NHAI letter no. NHAI/PIU-HYD/NH-65/HYD-VIJ/APS IDC/2021/ 1612 dated 30.11.2021

Dear Sir,

Please refer to the above cited correspondence; we are in receipt of NHAI letter no: 343 dated 02.03.2022, through Email on Wed, 2 Mar 2022 16:14:00 GMT+0530, addressed to IE and Concessionaire and in the letter NHAI is requesting the IE & concessionaire to inspect the site and examine the proposal as per MoRTH, Circular no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 and submit detailed report along with specific recommendations by 07.03.2022, for taking further necessary action.



**K & J PROJECTS PRIVATE LIMITED**

Head Office: SHIVAM, 16, NIT Layout, Ravi Nagar, Nagpur – 440 033 Maharashtra, India. Tel.: +91 712 2556402

GSTIN:27AACCK5964C1ZJ

CIN No.: U45203MH2004PTC150165

Tel.: +91 712 2556402, 2556403

www.knjprojects.com

Email: contact@knjprojects.com





Thanking you,

Yours faithfully,

**For K&J Projects Private Limited**

*eSign*

Signed by: Mohammed  
Shahbaz Alam  
Reason: Digitally Approved  
Location: Pune, India  
Date: 03-Mar-2022 (07:13 PM)



(SHAHBAZ ALAM)

Team Leader

Encl.: As stated above

Copy to:

1. Project Manager – GHVEPL – Korlapahad – for information and necessary action.
2. Executive Director, K & J Projects Pvt. Ltd. Pune - for information please.
3. Highway cum Resident Engineer, Hyderabad – Vijayawada Project – for information.

**K & J PROJECTS PRIVATE LIMITED**

Head Office: SHIVAM, 16, NIT Layout, Ravi Nagar, Nagpur – 440 033 Maharashtra, India. Tel.: +91 712 2556402

GSTIN: 27AACCK5964C1ZJ

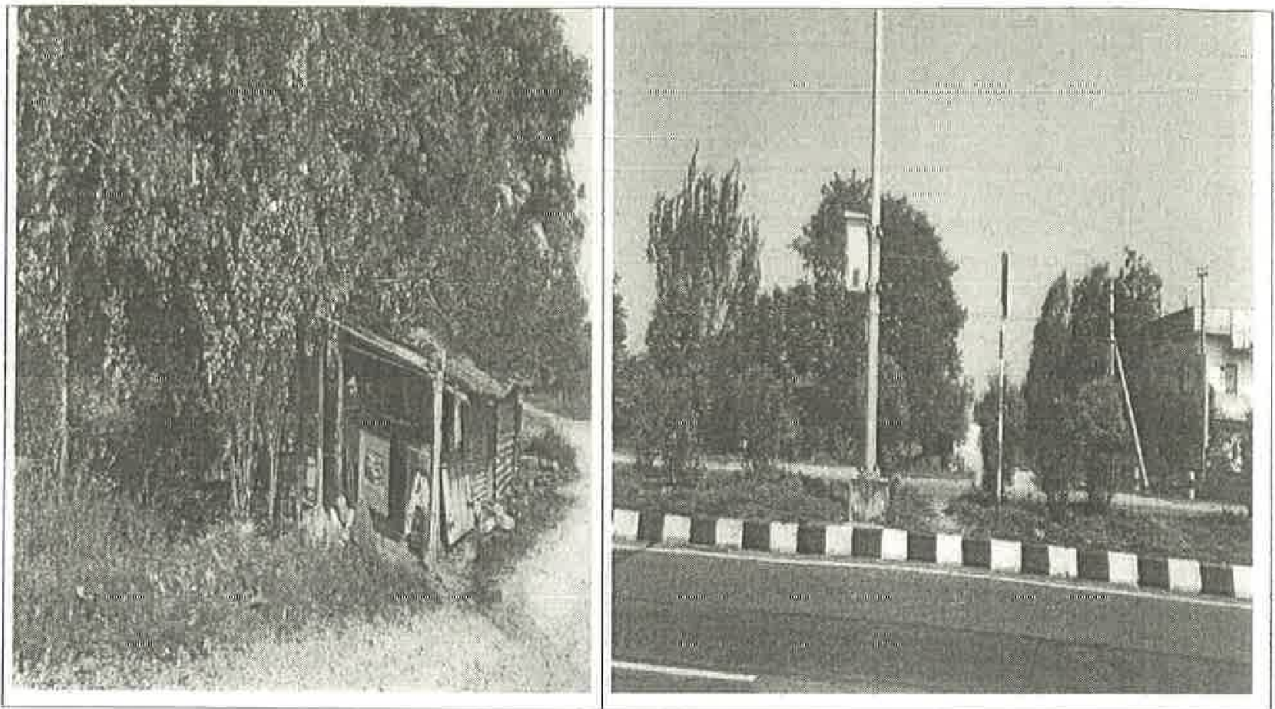
CIN No.: U45203MH2004PTC150165

Tel.: +91 712 2556402, 2556403

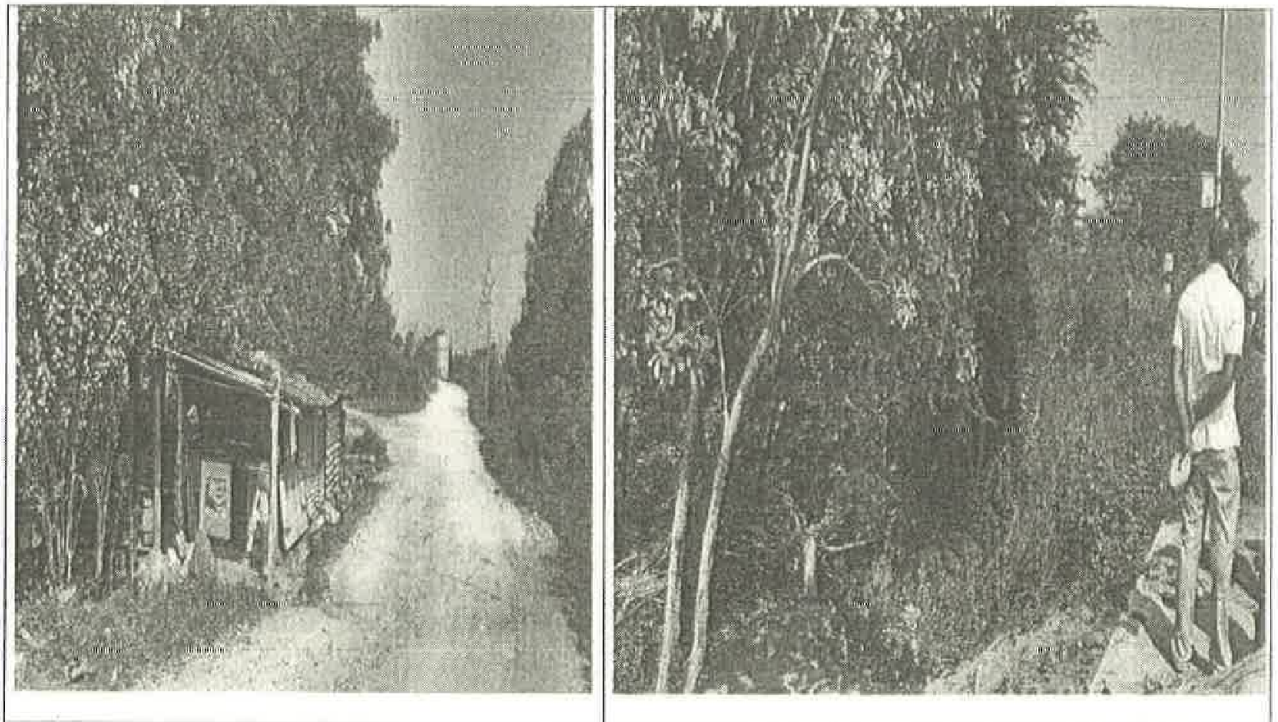
www.knjprojects.com

Email: contact@knjprojects.com

APSIDC - Water Pipeline crossing at Km.193.059 (RHS to LHS) on Hyderabad -Vijayawada section of NH-65 (NH-9 as Old) at Garikapadu village Jaggaiahpet Mandal Krishna (Dist.) Andhra Pradesh. - Site Photographs.



APSIDC - Water Pipeline crossing at Km.193.059 (RHS to LHS) on Hyderabad -Vijayawada section of NH-65 (NH-9 as Old) at Garikapadu village Jaggalahpet Mandal Krishna (Dist.) Andhra Pradesh. - Site Photographs.



Ref: THAKKELLAPADU/NH-65/APSIDC.

Date: 29/10/2021  
Vijayawada

To  
The Project Director  
**National Highways Authority of India**  
(Ministry of Road Transport & Highways)  
PIU Hyderabad.  
Hyderabad.

Dear Sir,

**Sub: Proposal to lay Water Pipeline crossing at KM 193/059 (RHS to LHS) on Vijayawada - Hyderabad section of NH-65 (NH- 9 as Old NH Number) at Garikapadu village Jaggaiahpet Mandal Krishna (Dist) Andhra Pradesh.**

We M/s **Andhra Pradesh State Irrigation Development Corporation (APSIDC)**, has taken up Thakkellapdu Lift Irrigation Scheme on Paleru River in Jaggaiahpet Mandal Krishna District, Andhrapradesh.

We, therefore, propose to lay Water Pipeline crossing at KM 193/059 (RHS to LHS) on Vijayawada - Hyderabad section of NH-65 (NH-9 as Old NH Number) at Garikapdu Village, Jaggaiahpet Mandal of Krishna District. Andhra Pradesh.

We are enclosing herewith 4 sets of Proposal showing Site plan, Key plan, Details of laying of Pipeline, Cross sectional view and other details of proposed Underground water pipe line. We are also enclosing here with License Agreement and check list complete in all respect.

We request you to kindly grant "**Permission**" for laying Water Pipeline crossing the National Highway and return us one copy of Proposal duly sealed and signed as a token of your permission.

Thanking you,

For M/s APSIDC.

  
EXECUTIVE ENGINEER  
A.P.S.I.D.C. Division  
Vijayawada

  
29/10/2021

Encl: As above

# **PROPOSAL FOR LAYING UNDERGROUND(HDD) WATER PIPE LINE**

## **SECTION**

**Vijayawada - Hyderabad Section of NH-65**

**(NH-9 AS OLD NH NUMBER)**

**The Project Director  
National Highways Authority of India  
PIU-Hyderabad**



### INDEX

<b>SL.NO.</b>	<b>DESCRIPTION</b>	
<b>1</b>	<b>Brief note on importance to lay Water Pipeline crossing on NH-65 land</b>	
<b>2</b>	<b>AP Map</b>	
<b>3</b>	<b>Point of Crossing</b>	
<b>4</b>	<b>Photos</b>	
<b>5</b>	<b>Checklist for getting approval for laying of Water Pipeline</b>	
<b>6</b>	<b>License Deed to lay Water Pipeline</b>	
<b>7</b>	<b>Undertaking</b>	
<b>8</b>	<b>Undertaking</b>	
<b>9</b>	<b>Certificate</b>	
<b>10</b>	<b>Power of Attorney of the Authorized Signatory</b>	
<b>11</b>	<b>Construction Methodology to lay Water Pipeline</b>	
<b>12</b>	<b>Annexure</b>	
<b>13</b>	<b>Topo Plan</b>	
<b>14</b>	<b>HDD Plan</b>	
<b>15</b>	<b>HDD Cross Section of the Water Pipeline</b>	
<b>16</b>	<b>Key plan for NH-65</b>	
<b>17</b>	<b>Strip Plan</b>	
<b>18</b>	<b>Right of Ways</b>	

**BRIEF NOTE ON IMPORTANCE OF LAYING UNDER GROUND WATER PIPE LINE**

**Name of the Work** : Proposal to lay Water Pipeline crossing at Km 193/059 (RHS to LHS) on NH-65 (National Highway No.9 as Old NH Number), at Garikapadu (Village), Jaggaiah pet (Mandal) of Krishna (Dist) Andhra Pradesh.

We are pleased to inform that, **ANDHRA PRADESH STATE IRRIGATION DEVELOPMENT CORPORATION (APSIDC)**, has taken up Thakkellapadu Lift Irrigation Scheme on Paleru River in Jaggaiahpet Mandal of Krishna District.

The lift Irrigation Scheme will facilitate water to 4116 acres belonging to Thakkellapadu, Ramachandrunipeta, Garikapadu, Shermahammadpeta, Gandrai, Dechupalem, Anumanchipalli and Balusupadu Villages.

In this connection, It is to inform that a Underground Water pipe line to be laid by Jack push method crossing the Vijaywada – Hyderabad Express Highway. The proposed pipe line is meant for a community irrigation project taken up by the state owned corporation and the work will be executed with utmost care without causing any damage the Highway.

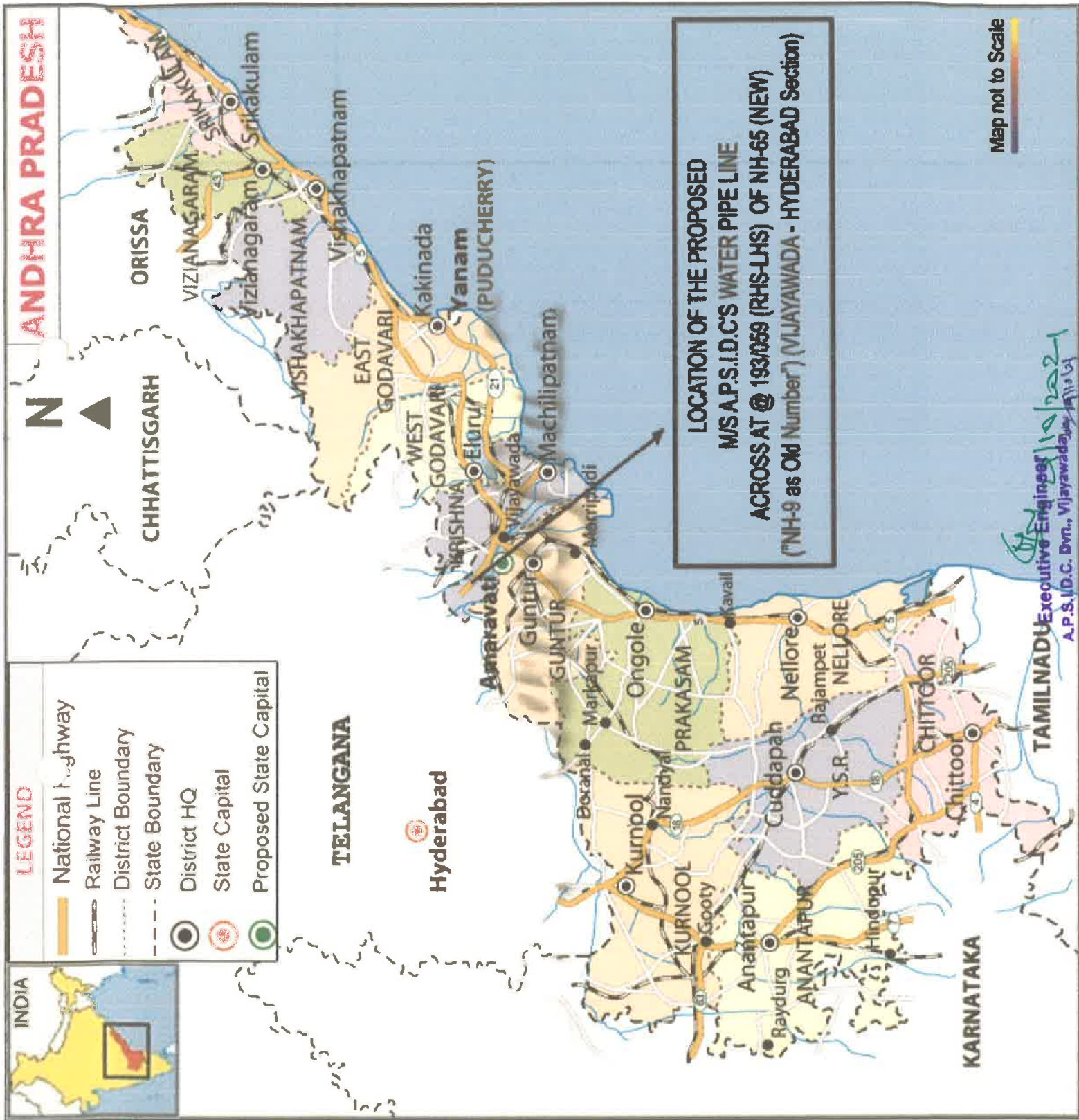
Hence, we requested to accord permission to lay Underground Water Pipeline crossing as shown in plan enclosed at Km 193/059 (RHS to LHS) on NH-65 (National Highway No.9 as Old NH Number), at Garikapadu Village, Jaggaiah pet Mandal of Krishna (Dist) Andhra Pradesh.

Thanking you,

**For M/s A.P.S.I.D.C..**

**EXECUTIVE ENGINEER**  
**A.P.S.I.D.C. Division**  
**Vijayawada.**

*29/10/2021*  
*29/10/2021*



*A.P.S.I.D.C. Dtn., Vijayawada*  
11/10/2021





Crossing of Water Pipe line at  
KM 193/059



Proposal to lay Underground Water Pipeline across at Km 193/059 (RHS to LHS) on NH-65 (National Highway No.9 as Old NH Number), at Garikapadu Villages, Jaggaiah pet Mandal of Krishna (Dist) Andhra Pradesh.



Executive Engineer  
A.P.S.I.D.C. Dvn., Vijayawada

29/10/2021  
29/10/2021

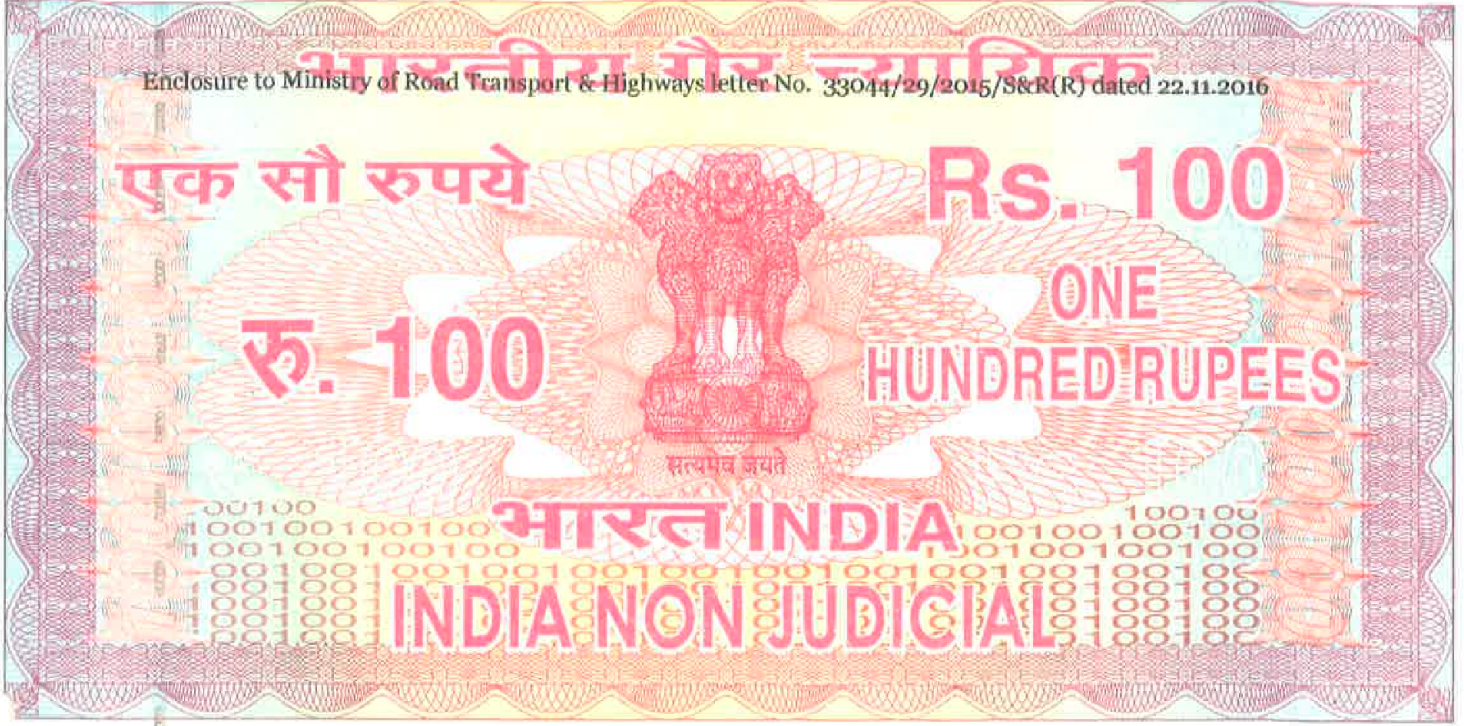


Executive Engineer  
A.P.S.I.D.C. Dvn., Vijayawada

29/10/2021  
29/10/2021



Enclosure to Ministry of Road Transport & Highways letter No. 33044/29/2015/S&R(R) dated 22.11.2016



ఆంధ్రప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH

S.No: 1761 Date: 12-2-2021 Rs. 100/-

Sold To: M. Srikanth

For Whom: A.P.S.I.D.C.L., Vijayawada

CR 732962

JANAKI DEVI  
STAMP VENDOR

D.No:66-1-14, Sivalayam Street  
PATAMATA, VIJAYAWADA-10  
Lic.No:10/2013, RL No:06-21-021/2020  
Valid Upto:01-01-2020 To 31-12-2022  
Phone:9951414443

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

Agreement to lay Underground WATER SUPPLY Pipeline crossing at Km 193/059 (RHS to LHS) on NH-65 (National Highway No.9 as old NH Number), in Garikapadu Village, of Jaggaiahpet Mandal of Krishna District Andhra Pradesh.

AN AGREEMENT made this \_\_\_\_\_ day of \_\_\_\_\_ (month) of \_\_\_\_\_ year (to be written in words) between \_\_\_\_\_ acting in his executive capacity through \_\_\_\_\_ (hereinafter referred to as the "Authority" which expression shall, unless excluded by or repugnant to the context, include his successors in office and assigns ) on the one part and M/s ANDHRA PRADESH STATE IRRIGATION DEVELOPMENT CORPORATION LTD, Vijayawada , a company registered under the Companies Act, 1956 and having its Registered Office at \_\_\_\_\_ (hereinafter called the 'Licensee') which expression shall, unless excluded by or repugnant to the context, include his successors/ administrator assignees on the second part.

Whereas the Authority is responsible, inter-alia, for development and maintenance of lands in Km.....to..... of NH No..... RoW.

Whereas the Licensee proposes to lay Water Supply pipeline referred to as Utility Services in subsequent paras.

Executive Engineer  
A.P.S.I.D.C. Dm., Vijayawada

12/2/2021





WHEREAS the licensee has applied to the Authority for permission to lay Utility services, at Km 193/059 (RHS to LHS) crossing NH-65 (National Highway No.9 as Old NH Number), in Garikapadu Village, of Jaggiahpet Mandal of Krishna District Andhra Pradesh.

AND WHEREAS the Authority have agreed to grant such permission for way leave on the NH RoW as per terms and conditions hereinafter mentioned.

Now this Agreement witnesseth that, in consideration of the conditions hereinafter contained and on the part of the Licensee to be observed and performed, the Authority hereby grants to the licensee permission to lay Utility Services as per the approved drawing attached hereto subject to the following conditions, namely.

1. RoW permissions are only enabling in nature, The purpose of extending the way leave facility on the National Highway RoW is not for enhancing the scope of activity of a Utility Service Provider, either by content or by intent. Further, enforceability of the permission so granted shall be restricted only to the extent of provisions/scope of activities defined in the license agreement & for the purpose for which it is granted.
2. No Licensee shall claim exclusive right on the RoW and any subsequent user will be permitted to use the RoW, either above or below, or by the side of the utilities laid by the first user, subject to technical requirements 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 MoRT&H is to provide a 2.00 m wide utility corridor on either side of the extreme edge of RoW. In cases where utility ducts with sufficient space are already available along NH, the utility services shall be laid in such ducts subject to technical requirements being fulfilled.
7. The utility services shall be laid at the edge of the RoW. In case of restricted width of RoW, which may be adequate only to accommodate the carriageway, central verge, shoulders, slopes of embankment, drains, other road side furniture etc; the utility services shall be laid beyond the toe line of the embankments and clear of the drain.
8. The Licensee shall make his own arrangement for crossing of cross drainage Structure, rivers, etc. below the bed. In case, this is not feasible, the utility services may be carried outside the railings/parapets and the bridge superstructure. The fixing and



supporting arrangement with all details shall be required to be approved in advance from the concerned Highway Administration. Additional cost on account of fixing and supporting arrangement as assessed by the Authority shall be payable by the Licensee.

9. In exceptional cases, where RoW is restricted the utility services can be allowed beneath the carriageway of service road, if available, subject to the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct shall not be less than one lane. In such cases, it also needs to ensure that maintenance of the utility services shall not interfere with the safe and smooth flow of traffic. The cost of operation and maintenance will have to be borne by the Licensee.
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 metre below the ground level. However, any structure above ground shall be aesthetically provided for / landscaped with required safety measures as directed by the concerned Authority;
11. The utility services shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing / conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry.
12. Existing drainage structures shall not be allowed to carry the lines across.
13. The top of the casing/conduit pipe containing the utility services to cross the road shall be at least 1.2m below the top of the sub grade or the existing ground level whichever is lower, subject to being at least 0.3m below the drain inverts. A typical sketch showing the clearances is given in Attachment-I
14. The utility services shall cross the National Highway preferable on a line normal to it or as nearly so as practicable.
15. The casing/conduit pipe for crossing the road may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.
16. In case of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30 cm. but not more than 60 cms wider than the outer diameter of the pipe. Filling of the trench shall conform to the specifications contained here-in-below or as supplied by the Highway Authority.
  - (a) Bedding shall be to a depth not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles, and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edges should be excavated and replaced by selected material.
  - (b) The backfill shall be completed in two stages (i) Side-fill to the level of the top of the pipe (ii) Overfill to the bottom of the road crust.
  - (c) The side fill shall consist of granular material laid in 15 cm. layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.

- (d) The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highway Authority.
17. The Licensee shall ensure making good the excavated trench for laying utility services by proper filling and compaction, so as to restore the land in to the same condition as it was before digging the trench, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way;
  18. All required restoration work subsequent to laying of the cable shall be required to be undertaken by the Licensee at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards.
  19. Prior to commencement of any work on the ground, a performance Bank Guarantee @ Rs. per route metre / 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 day in advance with route details prior to digging trenches, for fresh or maintenance/repair works. A separate performance Bank Guarantee for maintenance/repair works shall have to be furnished by the Licensee.
27. Each day, the extent of digging the trenches should be strictly regulated so that a utility service 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 coordination 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.

  
Executive Engineer  
A.P.S.I.D.C. Dvn., Vijayawada  
29/10/2021

35. Three copies of 'as laid drawings' of utilities (hard and soft copies) with geotagged photographs and geo-tagged video recordings of laying of cables in the trench (with respect to the NH) and after complete restoration shall be submitted to the Authority for verification and record within a month of completion of works.
36. The Licensee shall allow free access to the Site at all times to the authorized representatives of Authority to inspect the Project Facilities and to investigate any matter within their Authority, and upon reasonable notice, shall provide reasonable assistance necessary to carry out their respective duties and functions.
37. The utility services shall not be made operational by the Licensee unless a completion certificate to the effect that the utility services has been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfaction of the concerned agency in co-ordination with the Authority has been obtained. Notwithstanding anything contained herein, this Agreement may be cancelled at any time by Authority for breach of any condition of the sumc and the Licensee shall neither be entitled to any compensation for any loss caused to it by such cancellation nor shall it be absolved from any liability already incurred.
38. The Licensee shall ensure adherence to relevant Indian standards and follow best industry practices, methods and standards for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation, repair and maintenance of any part of the utility lines/industrial infrastructure facilities and which practices, methods and standards shall be adjusted as necessary, to take account of:
  - a. operation, repair and maintenance guidelines given by the manufacturers,
  - b. the requirements of Law,
  - c. the physical conditions at the Site, and
  - d. The safety of operating personnel and human beings.
39. The Licensee shall have to provide safety measures like barricading, danger lighting and other necessary caution boards while executing the work.
40. While laying utility services, at least one lane of road shall be kept open to traffic at all times. In case of single lane roads, a diversion shall be constructed. If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of Licensee.
41. After the termination/expiry of the agreement, the Licensee shall remove the utility services within 90 days and the site shall be brought back to the original condition failing which the Licensee will lose the right to remove the utility services. However before taking up the work of removal of utility services the Licensee shall furnish a Bank Guarantee to the Authority for a period of one year for an amount assessed by the Authority as a security for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation of trenching at least 50m away from the edge of the RoW.
42. Any disputes in interpretation of the terms and conditions of this Agreement or their implementation shall be referred to the redress mechanism prevailing in the Ministry and the decision of the redress mechanism shall be final and binding on all.
43. For PPP Projects, in case of any financial loss incurred by the respective project concessionaires due to such laying/shifting of utility services by the Licensee, compensation for the same shall be required to be borne by the Licensee in mutual agreement with the respective project concessionaires. MoRT &H/ 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 AUTHORISED REPRESENTATIVES THE DAY AND THE YEAR FIRST ABOVE WRITTEN.

SIGNED SEALED AND DELIVERED FOR AND ON BEHALF OF AUTHORITY.

BYSHRI~ \_\_\_\_\_

(Signature, name & address with stamp)

SIGNED ON BEHALF OF M/S' \_\_\_\_\_ (LICENSEE)

BYSHRI \_\_\_\_\_

(Signature, name & address with stamp)

HOLDER OF GENERAL POWER OF ATTORNEY .DATED \_\_\_\_\_

EXECUTED IN ACCORDANCE WITH THE RESOLUTION NO: \_\_\_\_\_  
DATED \_\_\_\_\_

PASSED BY THE BOARD OF DIRECTORS IN THE MEETING HELD ON  
IN THE PRESENCE OF (WITNESSES):

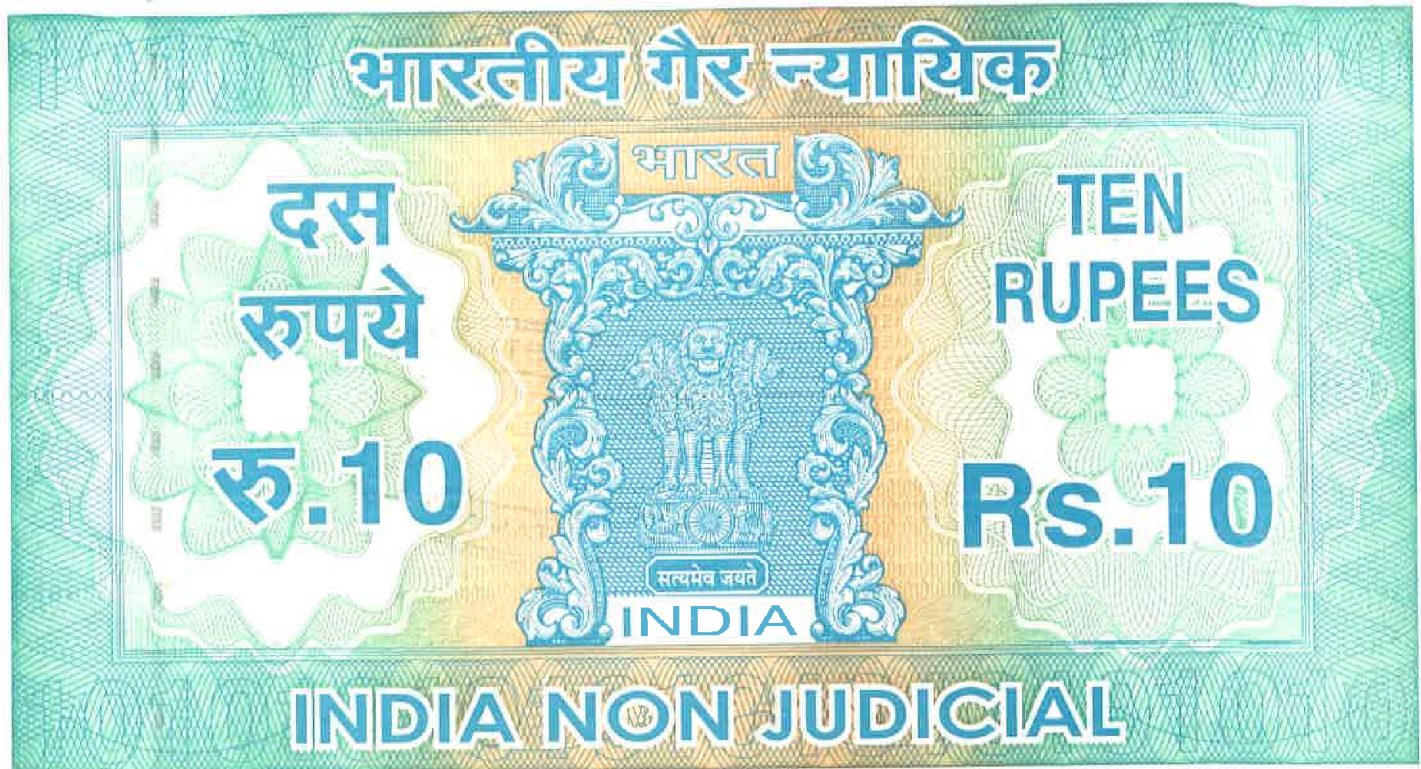
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2.

Executive Engineer  
A.P.S.I.D.C. Dm., Vijayawada

9/10/2021





ఆంధ్రప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH

S.No: 1757, Date: 12-7-2021 Rs. 10/-

Sold To: M. Srikanth

For Whom: A.P.S.I.D.C., Vijayawada

06AB 383185

JATANKIDEP

STAMP VENDOR

D No: 66-1-14, Sivalayam Street

PATAMATA, VIJAYAWADA-10

Lic.No: 10/2013, RL No: 06-21-021/2020

Valid Upto: 01-01-2020 To 31-12-2022

Phone: 9951411443

### UNDERTAKING

**Name of the work:** Proposal to lay Underground WATER Pipeline crossing at Km 193/059 on NH-65 (National Highway No.9 as Old NH Number), in Garikapadu Village, of Jaggalahpet Mandal of Krishna District Andhra Pradesh.

**We Andhra Pradesh State Irrigation Development Corporation Ltd, under take that**

1. Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.
2. If, necessary the performance B.G. will be renewed
3. The work will be carried out, confirming all standard condition of NHAI's guidelines.
4. Shifting of Water pipe line as and when required by NHAI at the cost of the M/s **Andhra Pradesh State Irrigation Development Corporation Ltd.**
5. For 6 – laning/widening "We do undertake that I will relocate the Underground WATER pipeline at our own cost notwithstanding the permission granted within such time as will be stipulated by NHAI" for future Six – Lanning or any other development

Executive Engineer  
A.P.S.I.D.C. Dm., Vijayawada

10/10/2021



6. Indemnity against all damages and claim.
7. Traffic movement during laying of Water pipeline to be managed by the M/s **Andhra Pradesh State Irrigation Development Corporation Ltd**
8. If any claim is raised by the Concessionaire then the same has to be paid by the **Andhra Pradesh State Irrigation Development Corporation Ltd**.
9. Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing Water pipe line located in the National highway right-of-ways.
10. Expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Water pipe line will be borne by the agency owning the line.
11. If the 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 NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.
12. In case of burst of pipeline the M/s **Andhra Pradesh State Irrigation Development Corporation** will bear the entire cost for restoration of damage caused the road.
13. In during the crossing of the pipeline across the road, the M/s **Andhra Pradesh State Irrigation Development Corporation Ltd** will take preventative steps and keep the caution boards at the point of crossing and sign boards and the reflective boards for the traffic to make aware of the boring activity so that traffic can go cautiously.
14. The M/s **Andhra Pradesh State Irrigation Development Corporation Ltd** will be liable for any damage caused, to the, road during execution of work and during service life of Pipeline.
15. The permission granted to M/s **Andhra Pradesh State Irrigation Development Corporation Ltd** shall not in any way to be deemed to convey to the M/s **Andhra Pradesh State Irrigation Development Corporation Ltd** any right or any interest in Government land other than what is granted for.
16. The M/s **Andhra Pradesh State Irrigation Development Corporation Ltd** shall not without the prior permission writing to NHAI authority undertake any of fitting/repair or alteration to the proposed pipeline.
17. The M/s **Andhra Pradesh State Irrigation Development Corporation Ltd** shall be responsible for restoring the road at their own cost to its original condition after laying the Water pipeline or any damage caused due to inadequate of the pipeline.
18. The pipeline will cross the road 90 degrees.

**For M/s Andhra Pradesh State Irrigation Development Corporation Ltd,**

  
(Executive Engineer)  
29/09/2021







ఆంధ్రప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH

S.No: 1759, Date: 12-7-2021 Rs./-

Sold To: M. Srikanth

For Whom: APSIDCL, Vijayawada

**UNDERTAKING**

06AR 383187

ANAKI DEVI

STAMP VENDOR

D.No: 66-1-14, Sivalayam Street

PATAMATA, VIJAYAWADA-10

Id No: 10/2013, RL No: 06-21-02-2020

Valid Upto: 01-01-2022 To: 01-01-2022

Phone: 9951414432

**Name of the work:** Proposal to lay Underground Water Pipeline crossing at Km 193/059 on NH-65 (National Highway No.9 as Old NH Number), in Garikapadu Village, of Jaggaiahpet Mandal of Krishna District Andhra Pradesh.

**We Andhra Pradesh State Irrigation Development Corporation Ltd, certify that**

1. Laying of Water pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.
2. for 6-lanning "We do undertake that I will relocate service road/approach road/utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI" for future six-laning or any other development".
3. This proposal implemented now will not affect any likely future improvement to geometrics.
4. We undertake that permission does not lead to the adverse impact on the safety and stability of the Highway structure.
5. It is also certified that the alignment as proposed is the best available option for laying the Underground Water Pipe line across NH-65

**For M/s Andhra Pradesh State Irrigation Development Corporation Ltd,**

(Executive Engineer)

29/07/2021




## CERTIFICATE

**Name of the work:** Proposal to lay Underground Water Pipeline crossing at Km 193/059 on NH-65 (National Highway No.9 as Old NH Number), in Garikapadu Village, of Jaggaiahpet Mandal of Krishna District Andhra Pradesh.

- 7.1 It is certified that the proposal for " laying Underground Water Pipeline across at Km 193/059 on NH-65 (National Highway No.9 as Old NH Number), in Garikapadu Village, of Jaggaiahpet Mandal of Krishna District Andhra Pradesh" is conforming of all standard condition issued vide Ministry of Road Transport and Highways Circular No.NH3/P/66/76 dated 19.11.18/1976, RW/NH-III/P/66/76 dated 11.5.1982, RW/NH - 11037/1/86-DOI (II) dated 28-07-1993, RW/NH - 11037/1/86-DOI dated 19-01-1995, RW/NH - 34066 / 2/95 S & R DATED 25-10-1999, and Circular No. 34066/7/2003 S&R (B) dated 17-09-2003.
- 7.2 It is certified that any other location of the Underground water pipe line would be extremely difficult and unreasonable costly and the installation of Water 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 way, easing of curve etc.
- 7.3 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.

  
Executive Engineer  
A.P.S.I.D.C. Dvn., Vijayawada

  
29/10/2021

Project Director,  
NHAI, PIU, Hyderabad

## METHODOLOGY FOR HDD

**Name of the Work:** Proposal for laying of Underground water pipe line Crossing @ Km. **193/059** by HDD at Garikapdu Village, Jaggaiah pet Mandal Krishna District Andhrapradesh in the stretch of Vijayawada to Hyderabad Section of NH – 65 (NH-9 as Old NH number).

Proposed methodology for HDD:

1. 600 mm diameter MS Pipe water pipe line will be run through a 1200mm diameter RCC NP4 class plain ended pipe.
1. The depth of the HDD below ground level is 1.65 meters.
2. Road crossing will be on HDD method below 1.65 meters.

### Excavation / Drilling:

Proposed casing MS Pipe drilling with temporary pits of size 2m X 2m X 1.95m as per route plan and detailed HDD drawings (indicating the various dimensions and other details of the HDD) approved by the NHA representatives. **M/S Andhra Pradesh State Irrigation Development Corporation Ltd, Vijayawada.** shall take due care and precautions during drilling to avoid possible damage of other underground / facilities in the proposed Water Pipe Line route and shall identify the NHA for all damages and shall be solely responsible for all the damages / losses. NHA shall not be liable for any damages / losses. **M/S Andhra Pradesh State Irrigation Development Corporation Ltd, Vijayawada.** shall also be responsible for supporting the exposed plant / facilities of other utilities such as water, gas, and oil pipes, electric, telephone or Water Pipe Line etc., to avoid any possible damage. **M/S Andhra Pradesh State Irrigation Development Corporation Ltd, Vijayawada.** shall also be responsible for any dewatering of the bore while drilling and installation of water pipes.

Final inspection of HDD lines shall be done jointly **M/S Andhra Pradesh State Irrigation Development Corporation Ltd, Vijayawada.** and NHA representative immediately after completion of HDD work and **M/S Andhra Pradesh State Irrigation Development Corporation Ltd, Vijayawada.** shall rectify the defects, if any, without any cost to the owner.

### Excavation and Backfilling of Temporary Pits:

**M/S Andhra Pradesh State Irrigation Development Corporation Ltd, Vijayawada.** will reinstate of excavated temporary pits by refilling the excavated soils to the earlier stage as per the standard specifications.

Executive Engineer  
A.P.S.I.D.C. Dm., Vijayawada

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Road Crossing through HDD			
At Km. 193.059 Vijayawada- Hyderabad Section of NH-65 (NH-9 as old NH number)			
S.No.	Chainage	Location	Remarks
1	193.059	From right to Left	HDD

  
 Executive Engineer  
 A.P.S.I.D.C. Dm., Vijayawada  
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## Annexure-I

### Conditions to be enclosed / incorporated in the approval letter for permission for laying of Under Ground Water Pipe Line.

1. The Underground Water Pipeline shall be located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the center-lines of the nearest carriageway.
2. The Underground Water Pipeline shall not be permitted to run along the National Highways when the road formation is situated in double cutting. Nor shall these be laid over the existing culverts and bridges without the prior approval of NHAI/Government of India.
3. The Underground Water Pipeline shall be so placed that at no time there is interference with the maintenance of the National Highways.
4. These should be so laid that their top is at least 1.6 meter below the ground level so as not to obstruct drainage of the road land.
5. The authority/ owner of the Underground Water Pipeline utility shall ensure that laying Underground Water Pipeline should not have any deleterious effects on any of the bridge components and roadway safety for traffic.
6. The lines shall cross the National Highways preferably on a line normal to it or as nearly as practicable.
7. Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.
8. The Underground Water Pipeline is permitted to cross the National Highway, either encased in pipes or through structure of conduits specially built for that purpose at the expense of the agency owning the line. Existing drainage structures shall not be allowed to carry the lines across.
9. The casing pipe (or conduit pipe in the case of electric cable) carrying the Underground Water Pipeline shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable. Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.
10. The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope toe of slope in the fills.
11. The top of the casing/conduit pipe should be at least 1.2 meter below the surface of the road subject to being at least 0.3 m below the drain inverts.

  
Executive Engineer  
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12. The casing/conduit pipe may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall only be permitted where the existing road pavement is of cement concrete or dense bituminous concrete type.
13. The casing/conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a waterway along it.
14. Open trenching method. (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type)
  - (a) 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.
  - (b) Filling of the trench shall conform to the specifications contained herein below.
  - (c) Bedding shall be to a depth of not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material.
  - (d) The backfill shall be completed in two stages (i) side - fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.
  - (e) The side fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.
  - (f) 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 Highways Authority. Care shall be taken to avoid the formation of a dip at the trench.
  - (g) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.
15. If needed, a diversion shall be constructed at the expense of agency owning the Underground Water Pipeline.
16. Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the Underground Water Pipeline located in the National highway right-of-ways.

Executive Engineer  
A.P.S.I.D.C. Dvn., Vijayawada

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17. Expenditure, if any, incurred by the Highway Authority for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the Underground Water Pipeline will be borne by the agency owning the Underground Water Pipeline.
18. If the NHAI considers it necessary in future to move the Underground Water Pipeline for any work of improvement or repairs to the road, it will be carried out as desired by the Highway Authority at the cost of the agency owning the Underground Water Pipeline within a reasonable time (not exceeding 60 days) of the intimation given.
19. The licensee shall ensure making good the excavated trench for laying Underground Water Pipeline by proper filling and compaction, so as to restore the land in to the same conditions as it was before digging the trench, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way.
20. The licensee shall furnish a Bank Guarantee to the NHAI @ Rs100/- per running meter (parallel to NH) and Rs 1,00,000/- per crossing of NH, for a period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring/making good the excavated trench for laying the Under Ground Water Pipe Line/ducts by proper filling and compaction, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way. No payment shall be payable by the NHAI to the licensee for clearing debris/loose earth.
21. In case the work contemplated herewith is not completed to the satisfaction of the NHAI, 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. In case of the licensee failing to discharge the obligation of making good the excavated trench, the NHAI shall have a right to make good the damages caused by excavation, at the cost of the licensee and recover the amount by invoking the bank guarantee furnished by the licensee.
22. The licensee shall shift the Underground Water Pipeline within 60 days (or as specified by the respective agency/owner) from the date of issue of the notice by the NHAI, Govt. of India to shift/relocate the Underground Water Pipeline, in case it is so required for the purpose of improvement/widening of the road/route/highway or construction of flyover/bridges and restore the road/land to its original condition at his own cost and risk.
23. Regarding the location of other cables, underground installation/utilities etc, the licensee shall be responsible to ascertain from the respective agency in coordination with NHAI. The licensee shall ensure the safety and security of already existing cables/underground installation/utilities facilities etc. before commencement of the excavation.

Executive Engineer  
A.P.S.I.D.C. Dm., Vijayawada  
29/10/2021  
29/10/2021



24. The licensee shall be solely responsible/ liable for full compensation/ indemnification of concerned agency/aggrieved owner for any direct, indirect or consequential damage caused to them/claims or replacement sought for, at the cost and risk of the licensee. The concerned agency in coordination with NHAI shall also have a right to make good such damages/recover the claims by way of invoking of Bank Guarantee furnished by the licensee.
25. If the licensee fails to comply with the condition 22 and 23 above to the satisfaction of the NHAI, the same shall be got executed by the NHAI at the risk and cost of the licensee.
26. The licensee shall procure insurance from reputed insurance company against damages to already existing cables/underground installation/ utilities/facilities etc during trenching.
27. The licensee has to cross the NH by horizontal drilling method (trenchless technology only). In case any damage is caused to the road pavement in this process, the licensee will be required to restore the same to the original condition at his own cost.
28. No trenching will be done on pucca road, boring method will be used in pucca road and Underground Water Pipeline will be laid at the extreme edge of the road in the non-BT surface only.
29. The licensee shall inform/give a notice to the NHAI, Govt. of India or its authorized agency at least 15 days in advance with route details prior to digging trenches for fresh or maintenance/repair work. A separate work plan and a separate performance Bank Guarantee @ Rs100/- per meter length for maintenance/ repair work shall have to be furnished by the licensee.
30. Each day, the extent of digging the trenches should be strictly regulated so that cables are laid and trenches filled up before the close of the work that day. Filling should be completed to the satisfaction of the concerned agency designated by the NHAI.
31. The licensee shall indemnify the concerned agency in co-ordination with NHAI, against all damages and claims, if any, due to the digging of trenches for laying Underground Water Pipeline.
32. The NHAI has a right to terminate the permission or to extend the period of agreement. In case the licensee wants shifting, repairs or alteration to Underground Water Pipeline, he will have to furnish a separate bank guarantee.
33. The licensee shall not without prior permission in writing from the NHAI Govt. of India or its authorized agency undertake any work of shifting, repairs or alterations to the said Underground Water Pipeline.

Executive Engineer  
A.P.S.I.D.C. Dyn., Vijayawada  
29/10/2021





34. 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.
35. During the subsistence of this agreement, the laying of Underground Water Pipeline /ducts located in highway land/property shall be deemed to have been constructed and continued only by the consent and permission of the NHAI so that the right of the licensee to the use thereof shall not become absolute and indefeasible by laps of time.
36. The licensee shall bear the stamp duty charged for the agreement.
37. The Underground Water Pipeline shall not be brought in to use by the licensee unless a completion certificate to the effect that the laying of Underground Water Pipeline has been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfactions of the concerned agency in co-ordination with the owner has been obtained.
38. Notwithstanding anything NHAI contained herein this agreement may be cancelled at any time by the or 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.
39. The licensee shall have to provide barricading, danger lighting and other necessary caution boards while executing the work and during maintenance.
40. 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 Underground Water Pipeline within 60 days and the site shall be brought back to the original condition failing which the licensee will lose the right to remove the cables/ducts. However, before taking up the work of removal of Underground Water Pipeline the licensee shall furnish a bank guarantee to the owner for a period of one year for an amount assessed by the owner for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation of trenching at least 50m away from the edge of the right of way.
42. If NHAI is required to do some emergent work the licensee will provide an observer within 24 hours. NHAI will not be responsible for any damage of any kind by what so ever means natural or otherwise.
43. The enforceability of the Right-of Way permission granted here in shall be restricted to the extent of provisions/scope of service contained/defined in the license agreement and for the purpose for which it is granted. Either by content or by intent, the purpose extending this Right-of Way facility is not to enhance the scope.

Executive Engineer  
A.P.S.I.D.C. Dm., Vijayawada  
29/10/2021  
29/10/2021

Maintaining Records of Right-of -Way permission granted For laying of Under Ground Water Supply Pipeline.

(To be maintained separately for every NH)

Name of the State : \_\_\_\_\_  
 Name of the PIU of NHAI : \_\_\_\_\_  
 NH Number : \_\_\_\_\_

SL. No	Location (Chainage in KM)	Left or Right side of NH (towards increasing chainage/km direction)	Section and reach	Kind of Service	Name of licensee and contract address	Date of Signing of agreement	Date of Validity of agreement	Date of last inspection of site	Any deviation from MOST standard norms	Remarks

**Executive Engineer**  
 A.P.S.I.D.C. Dm., Vijayawada  
 29/10/2021

Project Director ,  
 NHAI, PIU-Vijayawada