



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सडक परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

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

श्रेणीय कार्यालय : 41-29-45A, सर्वे नं: 373/2A, कोदंडरामालयम्, चलासानी नगर,

रानीगारीतोटा, कृष्णालंका, विजयावाडा - 520 013, आन्ध्र प्रदेश

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

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

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

वेब/ web: www.nhai.gov.in



Ref: NHAI/RO-VJA/Permissions-RWS&S/Km.781+120/2025-26/1258

April 21, 2025.

To

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

Sub: NHAI, RO - Vijayawada - Permission for laying of pipelines along the road from Km.781+120 to Km.799+200 (LHS) for length of 18080m and across the road at 9 locations for extending the pipelines from existing CPWS Scheme to Nakkapalli, Payakaropeta, S. Rayavaram mandal, Anakapalli District in the state of Andhra Pradesh - Public comments - Reg.

Sir,

Please find enclosed herewith a proposal submitted by Executive Engineer, RWS&S, Anakapalli seeking permission for laying of pipelines along the road from Km.781+120 to Km.799+200 (LHS) for length of 18080m and across the road at 9 locations for extending the pipelines from existing CPWS Scheme to Nakkapalli, Payakaropeta, S. Rayavaram mandal, Anakapalli District in the state of Andhra Pradesh.

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

Encl: As above

Yours faithfully,

(R.K. Singh, IES)

CGM (Tech.) & Regional Officer

Copy to:

- (i) PD, PIU - Rajamahendravaram
- (ii) The Executive Engineer, RWS&S, Anakapalli - for information.



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

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

श्रेणीय कार्यालय : 41-29-45A, सर्वे नं: 373/2A, कोदंडरामालयम्, चलासानी नगर,

रानीगारीतोटा, कृष्णालंका, विजयावाडा - 520 013, आन्ध्र प्रदेश

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

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

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

वेब/ web: www.nhai.gov.in



Ref: NHAI/RO-VJA/Permissions-RWS&S/Km.781+120/2025-26/1259

April 21, 2025.

INVITATION OF PUBLIC COMMENTS

Sub: RO - Vijayawada - Permission for laying of pipelines along the road from Km.781+120 to Km.799+200 (LHS) for length of 18080m and across the road at 9 locations for extending the pipelines from existing CPWS Scheme to Nakkapalli, Payakaropeta, S. Rayavaram mandal, Anakapalli District in the state of Andhra Pradesh - **Public Comments - Reg.**

The Project Director, PIU - Rajamahendravaram submitted a proposal of Executive Engineer, RWS&S, Anakapalli seeking permission for laying of pipelines along the road from Km.781+120 to Km.799+200 (LHS) for length of 18080m and across the road at 9 locations for extending the pipelines from existing CPWS Scheme to Nakkapalli, Payakaropeta, S. Rayavaram mandal, Anakapalli District in the state of Andhra Pradesh.

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

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

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

(R.K. Singh, IES)
CGM (Tech.) & Regional Officer



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण (सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार) National Highways Authority of India (Ministry of Road Transport & Highways, Govt. of India)

परियोजना कार्यान्वयन इकाई - टोयोटा शोरूम के बाजू, राजमार्ग २९६ ए,
दिवानचेरुवु, राजमहेंद्रवरम - ५३३ १०२. आ.प्र.

PROJECT IMPLEMENTATION UNIT - Adjacent to Toyota Showroom,
NH-216A, Diwancheruvu, Rajamahendravaram - 533102, A.P.

द र १ / Phone : 0883 - 2431170 ई ईल / e-mail: raj@nhai.org / piurajahmundry@gmail.com



భారత జాతీయ రహదారిల
ప్రాధికార సంస్థ
రాజమహేంద్రవరము

No. 11015/Pkg-4/NHAI/PIU-RJY/RWS/2025/20

Date: 05.04.2025

To

The Regional Officer,
National Highways Authority of India,
Viiyawada-520 013



Sub: NHAI, PIU, Rajamahendravaram - Permission for laying of pipelines along the road from Km 781+120 to Km 799+200 (LHS) for a length of 18080 mts and across the road at 9 locations for extending the pipelines from existing CPWS scheme to Nakkapalli, Payakaropeta, S. Rayavaram mandal, Anakapalli District in the State of Andhra Pradesh - **Proposal submitted - Approval - Requested - Reg.**

- Ref: 1. Executive Engineer, RWS&S, Anakapalli letter no. NHAI/AKP dated 04.12.2024
2. This office letter no. 11515/5/NHAI/PIU-RJY/TOT/IE/PP/2025/32018, dated 23.01.2025.
3. Executive Engineer, RWS&S, Anakapalli letter no. SA/CPWS scheme Payakaraopeta/2024 dated 17.02.2025 (received on 28.02.2025)
4. Independent Engineer, M/s. MSV-SriInfotech letter no. MSV_SIT/116/RJY-TOT/2025/NHAI/768 dated 19.03.2025
5. Concessionaire, M/s Ankapalli Tollways Pvt Ltd letter no. AATPL/NHAI/2024-25/1930, dated 21.03.2025
6. Executive Engineer, RWS&S, Anakapalli letter received on 25.03.2025

Sir,

- It is to submit that vide reference 1st & 3rd cited, Executive Engineer, RWS&S, Anakapalli submitted a proposal seeking permission for laying of pipelines along the road from Km 781+120 to Km 799+200 (LHS) for a length of 18080 mts by Open Trench method and across the road at Km 781+915, Km 784+090, Km 787+487, Km 793+807, Km 792+939, Km 791+096, Km 790+660, Km 797+734 & Km 799+181 by HDD method for extending the pipelines from existing CPWS scheme to Nakkapalli, Payakaropeta, S. Rayavaram mandal, Anakapalli District in the State of Andhra Pradesh as per the Revised MORT&H Circular / Guidelines Dt. 22.11.2016 and also as per the Revised Check List issued by MORT&H, Vijayawada Dt. 13.04.2017.
- As per the above Revised Circular Guidelines, the Agency has submitted an undertaking duly stating that they will submit Performance Bank Guarantee as demanded by NHAI.
- The proposal has been forwarded to the IE, M/s. MSV-SriInfotech for verification and feasibility report. Accordingly, the IE & Concessionaire recommended/consented to grant permission subject to laying of water supply pipeline through both open trench method & HDD method at certain sections along the highway and HDD method across the highway at 9 locations, vide reference 4th cited & 5th cited respectively. The details of sections recommended for HDD method/open trench method along NH are given as below:

20/04/25

Building a Nation, Not Just Roads

RWS Pipeline works (From Km.781.120 to Km.799.200 LHS)							
S. No.	Chainage		Side	Length	Type of Trench	Existing Avenue Plants (No's)	Remarks
	From	To					
1	781.120	781.850	LHS	730	HDD	585	At Major Bridge
2	781.850	783.500	LHS	1650	Open Trench		-
3	783.500	784.250	LHS	750	HDD		Village Location (Gokulapadu)
4	784.250	787.050	LHS	2800	Open Trench		-
5	787.050	788.000	LHS	950	HDD		Village Location (Adda Road)
6	788.000	788.800	LHS	800	Open Trench	1217	-
7	788.800	789.300	LHS	500	HDD		Hetero Service Road
8	789.300	790.500	LHS	1200	Open Trench		-
9	790.500	791.500	LHS	1000	HDD		Village Location (Nakkapalli)
10	791.500	797.500	LHS	6000	Open Trench		-
11	797.500	799.200	LHS	1700	HDD		Village Location (Udhadhnapuram)

4. In this regard, Executive Engineer, RWS&S, Anakapalli vide reference 6th cited submitted undertaking that they will lay pipelines using HDD method along NH-16 in sections recommended by IE or using open trench method through adjoining private lands by maintaining adequate distance from RoW.
5. Keeping in view the importance of this work to supply water to various villages, a meeting was held at Camp office of Smt. V.Anitha, Hon'ble Minister of Home Affairs & Disaster Management, on 01.04.2025 in the presence of RWS officials wherein NHAI was requested to accord permission for laying of pipelines on top priority, based on the undertaking submitted vide reference 6th cited.
6. The applicant has submitted the Methodology for laying of pipes by open trench method & HDD method below the ground level Crossing and also across water bodies/bridge portion wherever applicable.
7. The proposal has been verified by the Manager (Tech.) as per the MORT&H Circular Dt. 22.11.2016 & Revised Check List issued by the MORT&H, Vijayawada Dt. 13.04.2017 and found in order.
8. As the DPR for 6-laning is in progress, the applicant has submitted undertaking that necessary shifting will be carried out at their own cost at the time of six (6) lanes or any development as and when required by NHAI.
9. The check list in the prescribed format as per the MORTH Guidelines Dt. 22.11.2016 is enclosed herewith.
10. The License fee is worked out as Rs.23,73,612/- (for a period of Five (5) Years as per MoRTH circular dated 17.04.2023) & PBG as Rs. 45,89,750/- @ Rs.250 per RM for 18359 m as per para 6 of MoRTH circular dated 22.11.2016, for laying of pipelines along the NH using Open Trench/HDD method in 18080m & across the NH at 9 locations using HDD method as recommended by IE/agreed by RWS vide reference 6th cited. The Specification Report along

80
05/04/25

with Calculation Sheet is enclosed herewith.

11. The proposal submitted by the Agency is herewith submitted along with the following:

- | | |
|------------------------------------|------------------|
| (1) Proposal along with enclosures | (2) Check List |
| (3) License Deed. | (4) Undertakings |
| (5) Methodology | (6) Diagrams |

12. With the above, the proposal of Executive Engineer, RWS&S, Anakapalli seeking permission for laying of pipelines along the road from Km 781+120 to Km 799+200 (LHS) for a length of 18080 mts by Open Trench method/HDD method and across the road by HDD method at Km 781+915, Km 784+090, Km 787+487, Km 793+807, Km 792+939, Km 791+096, Km 790+660, Km 797+734 & Km 799+181 for extending the pipelines from existing CPWS scheme to Nakkapalli, Payakaropeta, S. Rayavaram mandal, Anakapalli District in the State of Andhra Pradesh is herewith recommended for according necessary approval with license fees of Rs. 23,73,612/- and PBG amount of Rs. 45,89,750/-.

Thanking you,

Encl: 3 Files in Original

Yours faithfully,


05/04/2025

(D. Surendra Nath)
Project Director

CERTIFICATE


1. Undersigned has examined the proposal of the applicant for laying of water supply pipeline of for laying of 250mm dia, 300mm dia, 400mm dia, 450mm dia, 500mm dia DI K7 pipes by open trench method from Km 781+120 to Km 799+200 (LHS) for the length of 18080m and crossings at Km 781+915, Km 784+090, Km 787+487, Km 793+807, Km 792+939, Km 791+096, Km 790+660, Km 797+734 & Km 799+181 by HDD method for extending the pipelines from existing CPWS scheme to Nakkapalli, Payakaropeta, S. Rayavaram mandal, Anakapalli District in the State of Andhra Pradesh.
2. The details of sections along the NH recommended for HDD method/Open trench method based on IE/Concessionaire report are given as below:

RWS Pipeline works (From Km.781.120 to Km.799.200 LHS)							
S. No.	Chainage		Side	Length	Type of Trench	Existing Avenue Plants (No's)	Remarks
	From	To					
1	781.120	781.850	LHS	730	HDD	585	At Major Bridge
2	781.850	783.500	LHS	1650	Open Trench		-
3	783.500	784.250	LHS	750	HDD		Village Location (Gokulapadu)
4	784.250	787.050	LHS	2800	Open Trench		-
5	787.050	788.000	LHS	950	HDD		Village Location (Adda Road)
6	788.000	788.800	LHS	800	Open Trench	1217	-
7	788.800	789.300	LHS	500	HDD		Hetero Service Road
8	789.300	790.500	LHS	1200	Open Trench		-
9	790.500	791.500	LHS	1000	HDD		Village Location (Nakkapalli)
10	791.500	797.500	LHS	6000	Open Trench		-
11	797.500	799.200	LHS	1700	HDD		Village Location (Udhadhnapuram)

3. In this regard, Executive Engineer, RWS&S, Anakapalli submitted undertaking that they will lay pipelines using HDD method along NH-16 in sections recommended by IE or using open trench method through adjoining private lands by maintaining adequate distance from RoW.
4. In view of above, it is confirmed that all the standard conditions issued vide Ministry Circular No. RW/NH-33044/29/2015/ S&(R) Dt.22.11.2016.
5. It is certified that 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 easing of curve etc., as the cable is being laid by HDD method.

CERTIFICATE

6. The said stretch is proposed for 6-laning and DPR is in progress. The agency has submitted the undertaking to relocate the utility at their own cost for future six-laning or any other development.
7. It is certified that laying of water supply pipeline within ROW will not adversely affect the design, stability and traffic safety of the highway.
8. It will be ensured through the Independent Engineer for the project for supervision of the work of laying of utility and ensure that the defects in road portion after laying of utility are corrected.
9. The proposed permission will be entered in the Register of Records.
10. The record of previous approval, if any has been considered and copy of the same is enclosed with the proposal.




Manager (Tech)

NHAI, PIU, Rajamahendravaram

Calculation of License Fees & PBG

Permission for laying of Drinking water pipe lines From 781.20 to 799.20 LHS and crossings (Uddandapuram to Dharmavaram J.n) section of NH 16 in the State of Andhra Pradesh

Sl.No	Location	Chanaige (in Km)		Length (in Mtrs)	Width (In Mtrs)	Utilized NH Land Area (In Sq.Mtrs)	Prevailing Circle rate of Land in Rs./Acre (As per Revenue Records)	Prevailing Circle rate of Land in Rs./Sq.Mtrs	Amount
		From	To						
1	2	3	4	5	6	7(5*6)	8	9	10(7*9)
	Along the Highway								
1	Dharmavaram J.n to Gokulapadu j.n	781.120	781.850	730	0.5	365.00	7000000	1730	631354
		781.850	783.500	1650	1	1650.00	7000000	1730	2854065
		783.500	784.250	750	0.5	375.00	7000000	1730	648651
		784.250	787.050	2800	1	2800.00	8000000	1977	5535156
2	Gokulapadu j.n to Nakkapalli J.n	787.050	788.000	950	0.5	475.00	8000000	1977	939000
		788.000	788.800	800	1	800.00	8000000	1977	1581473
		788.800	789.300	500	0.5	250.00	8000000	1977	494210
		789.300	790.500	1200	1	1200.00	8000000	1977	2372210
3	Nakkapalli J.n to Uddandapuram J.n	790.500	791.500	1000	0.5	500.00	8000000	1977	988421
		791.500	797.500	6000	1	6000.00	7000000	1730	10378417
		797.500	799.200	1700	0.5	850.00	7000000	1730	1470276
	Across the Highway								
4	@ Somudevapalli J.n 781.915	781.915		35	0.3	10.50	7000000	1730	18162
5	@ Bheemavaram J.n 784.090	784.090		30	0.3	9.00	7000000	1730	15568
6	Timmapuram Adduroad 787.487	787.487		41	0.5	20.50	8000000	1977	40525
7	At Nakkapalli in 790.660	790.660		25	0.3	7.50	8000000	1977	14826
8	@ Appalapayakaraopeta j.n 791.096	791.096		25	0.3	7.50	8000000	1977	14826
9	@ Vedullapalem 792.939	792.939		40	0.3	12.00	7000000	1730	20757
10	@ Nayampudi 793.807	793.807		23	0.3	6.90	7000000	1730	11935
11	@ Vempadu Kothuru J.n 797/734	797.734		30	0.3	9.00	7000000	1730	15568
12	@ Gullipau Jn 799/181	799.181		30	0.5	15.00	7000000	1730	25946
	Total Length (in Mtrs)			18359					2,80,71,344
									2,80,71,344
	License Fee for public utility shall be equal to utilized NH land area X Prevailing Circle Rate of Land per unit are X 1.5% per annum, subject to minimum of Rs.10,000/-, with 6% annual increment								
	License Fee for 1st year								
	License Fee for 2nd year i.e., 6% annual increment on 1st year								
	License Fee for 3rd year i.e., 6% annual increment on 2nd year								
	License Fee for 4th year i.e., 6% annual increment on 3rd year								
	License Fee for 5th year i.e., 6% annual increment on 4th year								
	Total License Fee to be paid								
	Performance bank Guarantee Amount calculation								
Amount of Performance Bank Guarantee to be submitted = Total No. of routemeters X Rs. 250/- per route meter									
i.e., 18359 X Rs. 250/- = 45,89,750/-									
Performance bank Guarantee Amount = Rs. 45,89,750/-									


Manager (Tech.)
PIU-Rajamahendravaram

Government of Andhra Pradesh
Rural Water Supply & Sanitation Department,
Office of the Executive Engineer, RWS&S, Division, Anakapalli

From
Executive Engineer,
Rural water supply & sanitation,
Anakapalli,

To
The Project Director,
Project Implementation Ut,
National Highways Authority of India,
RAJAHMUNDY-533102,

Sub: NHAI, PIU, Rajamahendravaram- Permission for Laying of Drinking water pipe lines at certain stretches along RHS 781+120 to KM 799+200 (LHS) for a length of 18080 mts by open trench method and HDD method by extending the pipelines from existing CPWS scheme to Nakkapalli, Payakaropeta, S. Rayavaram Mandals in Anakapalli District - attending Observations - Submission-Requested - Reg.

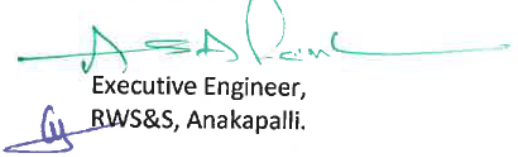
Ref: 1. Your Letter dt.22.03.2025.

With reference to your letter submitted vide reference cited regarding the permission for Laying of Drinking water pipe line at certain Stretches along RHS 781+120 to KM 799+200 (LHS) for a length of 18080 mts by open trench & HDD method for CPWS scheme to Nakkapalli, Payakaropeta, S. Rayavaram Mandals in Anakapalli District Certain Observations attending. Where the NH consultant has recommended to lay by HDD method along NH16, I undertake to Lay the pipe lines in HDD method or Proposed to lay the pipe line in through adjoining private lands by open trench method by maintaining adequate distance from NH ROW, as such this pipe lines are for drinking water purpose and for the welfare of the villagers.

Hence I request the authority to please issue permission for Laying of pipe lines as this is right time to lay the pipe lines in fields.

Thanking you sir,

Yours faithfully


Executive Engineer,
RWS&S, Anakapalli.

INWARD			
No:		94778	
Date:		25/03/25	
Time:		12.15 PM	
M(T)		PS	
SE-I		ACCT.	
SE-II		LAO	
NHAI, PIU,			
RAJAMAHENDRAVARAM.			



INDIA NON JUDICIAL

Government of Andhra Pradesh

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e-Stamp

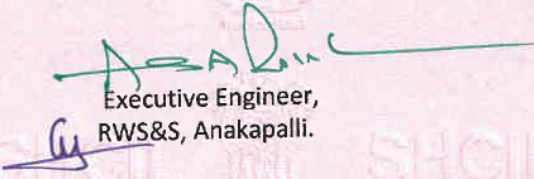
Certificate No. : IN-AP76456121703197X
Certificate Issued Date : 24-Mar-2025 12:02 PM
Account Reference : NEWIMPACC (IV)/ ap18214603/ AP-AKP/ AP-AKL/apsommudu
DDO Code : 27002308001 O/o IG R
Unique Doc. Reference : SUBIN-APAP1821460339167987947784X
Purchased by : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Description of Document : Article 7 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Second Party : Not Applicable
Paid By (For Whom) : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Stamp Duty Amount(Rs.) : 10
(Ten only)



Please write or type below this line

UNDERTAKING

Where the NH consultant has recommended to lay by HDD method along NH16,
I undertake to Lay the pipe lines in HDD method or Proposed to lay the pipe line through
adjoining private lands by open trench method by maintaining adequate distance from NH
ROW.


Executive Engineer,
RWS&S, Anakapalli.

PF 0004015556

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.

EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI

AATPL/NHAI/2024-25/1930

To
The Project Director,
Project Implementation Unit,
National Highways Authority of India,
SY No.560/3, Adjacent to Toyota Showroom, NH-216A,
Diwancheruvu, RAJAHMUNDRY-533102, Andhra Pradesh

INWARD			
No:	941696		
Date:	21/03/25		
Time:			
M(T)	✓	PS	✓
SE-I		ACCT.	
SE-II		LAO	
NHAI, PIU, RAJAHMUNDRY, ANDHRA PRADESH			

Dated: 21-March-2025

Sub : Projects comprising of 9 National Highway stretches (Bundle-1) on Toll Operate Transfer Mode - Ankapalli to Annavaram (Tuni) Section (from Km.741+255 to Km.830+525) of NH-5 (New NH-16) in the state of Andhra Pradesh.

Permission for laying of pipelines along the road from Km.781+120 to Km.799+200 on NH-16 by RWS&S - Submission of Consent - Regarding.

Ref : 1) Your letter No. 11515/5/NHAI/PIU-RJY/TOT/IE/PP/2024/31863 dated 09-12-2024
2) E.E. RWS&S, Anakapalli letter No. /NHAI/AKP dated 04-12-2024
3) IE's letter No. MSV_SIT/000/RJY-TOT/2023-24/NHAI/644 dated 28-12-2024
4) Our letter No. AATPL/NHAI/2024-25/1881 dated 23-01-2025
5) IE's letter No. MSV_SIT/116/RJY-TOT/2025/NHAI/768 dated 19-03-2025

Dear Sir,

This is in continuation to our letter dated 23-01-2025 (ref.4), we would like to inform that a joint inspection has been conducted along with RWS & IE representatives and finalized the following locations for open trench & HDD method respectively.

RWS Pipeline works (From Km.781.120 to Km.799.200 LHS)							
S. No.	Chainage		Side	Length	Type of Trench	Existing Avenue Plants (No's)	Remarks
	From	To					
1	781.120	781.850	LHS	730	HDD	585	At Major Bridge (783/2)
2	781.850	783.500	LHS	1650	Open Trench		-
3	783.500	784.250	LHS	750	HDD		Village Location (Gokulapadu)
4	784.250	785.050	LHS	2800	Open Trench		-
5	785.050	788.000	LHS	950	HDD		Village Location (Adda Road)
6	788.000	788.800	LHS	800	Open Trench	1217	-
7	788.800	789.300	LHS	500	HDD		Hetero Service Road
8	789.300	790.500	LHS	1200	Open Trench		-
9	790.500	791.500	LHS	1000	HDD		Village Location (Nakkapalli)
10	791.500	797.500	LHS	6000	Open Trench		-
11	797.500	799.200	LHS	1700	HDD		Village Location (Udhadhnapuram)


We hereby convey our consent subject to the following conditions for laying pipelines by RWS&S, Anakapalli at above locations.

1. MTC for pipes to be submitted.
2. Hydrostatic test to be conducted in presence of Concessionaire and Independent Engineer before start of backfilling.
3. The backfilling should be done layer by layer and compacted up to the standard level.
4. The minimum depth of the pipeline should be maintained at least 2.5m in between the Natural Ground Level (NGL) and the top of the pipe.
5. The water pipeline should be laid in the HDD / Open Trench method along the extreme edge of NH-ROW as mentioned in the above list.
6. For crossing of Highway, HDD method to be adopted and detailed methodology should be submitted by mentioning the grade of pipe, vertical clearance of Pipe and Finished Road level, specifications for sealing of pipe joints, Hydraulic system for laying pipes, precautionary measures adopted to avoid settlement of Highway upon laying of pipes, etc.
7. Currently, the DPR for Six-Laning of Project Highway is in progress. During the expansion of Highway, the proposed pipeline should be relocated at the risk and cost of the RWS department within the timeline suggested by the Authority.
8. The details of existing Avenue plants are mentioned in the above table to avoid damages while laying the pipeline. If damaged, the same should be restored by the RWS&S at 1:10 ratio.
9. Necessary precautionary measures to be taken to avoid damages to the Project Assets. If any damages occur, the same should be restored by the RWS department at their risk and cost.

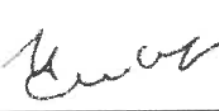
Thanking you and assuring of our best services at all times.

Yours faithfully,

For and on behalf of Ankapalli Tollway Private Limited



NVVS Nageswara Rao
Authorized Signatory



K. Hari Krishna
Authorized Signatory

Copy to : The Independent Engineer, M/s. MSV International, Inc., AV Apparao Road, Rajahmundry - for information please.



MSV INTERNATIONAL INC.

In Association with

SRI INFOTECH



MSV International, Inc.

(ISO 9001: 2015 Certified Company)

No. 73-13-10,

Chakravarti's Aalayam Avenue, 1st Floor,

AV Apparao Road

OPP. Nethanji School & Church

RAJAMAHENDRAVARAM-533103,

Andhra Pradesh.

E-Mail : msv.rajamundry@gmail.com

Independent Engineer Services for National Highway Stretches of TOT Projects in the State of Andhra Pradesh for the sections of (i) Anakapalli to Annavaram Section of NH16 from Km.741.255 to Km.830.525 (TOT) - Bundle-1 (Package-4) for a length of 89.270 Km (ii) Annavaram to Diwancheruvu Section of NH16 from Km. 830.525 To Km.901.500 (TOT) - Bundle-1 (Package-3) for a length of 70.975 Km (iii) Diwancheruvu to Siddhantham Section of NH216A from Km.901.500 to Km.950.542 (TOT) - Bundle-1 (Package-2) for a length of 49.042 Km, (iv) Siddhantham to Gundugolana Section of NH216A from Km.950.542 to Km. 1022.494 (TOT) - Bundle-1 (Package-1) for a length of 71.952 Km.

Ref.:MSV_SIT/116/RJY-TOT/2025/NHAI/ 768

Dt:-19.03.2025

The Project Director,
National Highways Authority of India,
Project Implementation Unit, Sy No. 560/3,
Adjacent to Toyota Showroom, NH-16
Diwancheruvu, RAJAMAHENDRAVARAM-533 103

Sub: IE Services for National Highways stretches under Bundle-1 of Tolling, Operation, and Maintenance & Transfer (TOT) Projects in the States of Andhra Pradesh (IE Package-4) Anakapalli-Annaram Sections (from Km. 741+255 to 830+525) of NH-16 in the State of Andhra Pradesh- **Permission for Laying of pipe lines along NH from km. 781+120 to 799+200 km on NH-16 – Reg.**

Ref: - 11515/5/NHAI/PIU-RJY/TOT/IE/PP/2024/31863

Dear Sir,

This has reference to the cited above & subject matter the Proposal of Permission for Laying of pipe lines along the road from Km 781+120 to 799+200 Km LHS for a length of 18080 mts by Open trench method and Across the road at 9 No's of locations by HDD method from LHS to RHS for extending the pipe lines from existing CPWS scheme to Nakkapalli, Payakaraopeta, S.Ratavaram Mandalas in Anakapalli – Annaram section of NH-16.

In this regard we have conducted the joint inspection along with RWS representatives, Safeway Concessionaire representatives on 13.12.2024, we have finalized the following locations for Open trench & HDD method respectively and also Identified destroyed avenue plants for restoration.

INWARD	
No:	94651
Date:	20/03/25
Time:	12:30 PM
MT:	PS
SE-1	ACCT.
SE-2	LOG
T. A. PIU,	
RAJAMAHENDRAVARAM.	

RWS Pipe Line Works (From Km.781.120 to Km.799.200 LHS)in Pkg-4							
S.No	Chainage		Side	Length	Type of trench	Existing Avenue Plants (No's)	Remarks
	From	To					
1	781.120	781.850	LHS	730	HDD	585	At Major Bridge (783/2)
2	781.850	783.500	LHS	1650	Open Trench		-
3	783.500	784.250	LHS	750	HDD		Village Location(Gokulapadu)
4	784.250	787.050	LHS	2800	Open Trench		-
5	787.050	788.000	LHS	950	HDD		Village Location(Adda Road)
6	788.000	788.800	LHS	800	Open Trench	1217	-
7	788.800	789.300	LHS	500	HDD		Hetero Service road
8	789.300	790.500	LHS	1200	Open Trench		-
9	790.500	791.500	LHS	1000	HDD		Village Location(Nakkapalli)
10	791.500	797.500	LHS	6000	Open Trench		-
11	797.500	799.200	LHS	1700	HDD		Village Location(Udhandhapuram)

The Authority may consider their request subject to the following conditions:

1. You are requested to submit MTC for pipes.
2. Hydrostatic test to be conducted in presence of Independent Engineer and Concessionaire before start of back filling.
3. The back filling should be done layer by layer and compacted up to the standard level.
4. The minimum depth of the pipeline should be maintained atleast 2.5mts in between the Natural Ground Level (NGL) and top of the pipe.
5. The Water pipe lines should be laid in the HDD / Open trench method along the extreme edge of NH-ROW as mentioned in the above list.
6. For Crossing of Highway HDD method to be adopted and detailed methodology should be submitted by mentioning the grade of pipe, vertical clearance of Pipe and Finished Road level, specifications for sealing of pipe joints, Hydraulic system for laying pipes, precautionary measures adopted to avoid settlement of Highway upon laying of pipes etc.,
7. Currently, the DPR for Six Laning of Project Highway is in progress. During the expansion of Highway the proposed pipeline should be relocated at the risk and cost of the RWS department within the timeline suggested by the Authority.
8. The details of existing Avenue plants are attached herewith to avoid damages while laying the pipeline. If the existing Avenue plants are mentioned in the above table, to avoid damages while laying the pipeline. If the existing Avenue plants are damaged during pipe laying and the same should be restored by the RWS Dept., at 1: 10 ratio.
9. The precautionary measures to be taken to avoid damages to the Project Assets, if any damages occurred, the same should be restored by the RWS department at their risk and cost.

Hence we may request the Authority may intimate to the concerned department/agency for executing the same as above while finalized during the joint inspection.

This is submitted for your favor of information and necessary action please.

Thanking You,

Yours Sincerely,
For MSV International INC in Association with Sri Infotech



A. SRINIVASA RAO
TEAM LEADER

Encl: Photographs

CC: 1) M/s. Anakapalli Tollway Pvt. Ltd. – for information.(e-mail).
2) H.O, MSV-Sri Infotech, Hyderabad – for information



India Office MSV: Unit No. 514, 515 & 516, 5th Floor, Suncity Success Tower, Golf Course Extension Road,
 Gurgaon-122005 (Haryana) E-mail:info@msvgroup.com; Tel.: 0091-124-2841160

USA Office MSV: 13215 67th Avenue N.E. Kenmore, Washington, 98028, USA Tel.: 001-425-488-4412

India Office MSV: Unit No. 514, 515 & 516, 5th Floor, Suncity Success Tower, Golf Course Extension Road,
 Gurgaon-122005 (Haryana) E-mail:info@msvgroup.com; Tel.: 0091-124-2841160

GOVERNMENT OF ANDHRA PRADESH
RURAL WATER SUPPLY AND SANITATION DEPARTMENT
Office of the Deputy Executive Engineer, RWS&S Sub Division, Nakkapalli.

From
Y. Anand, M.Tech.,
Deputy Executive Engineer,
RWS&S Sub Division,
Nakkapalli.

To
The Project Director
NHAI/PIU
RAJAMUNDRY.

Lr.No.32/2024/DEE/IIM Works/Dt: 01.2024

Sir,

Sub: - RWS&S Sub Division, Nakkapalli -CPWS Scheme Providing permanent water supply through FHTCs to 103 Jagananna Housing colony Layouts and 37 entrusted habitations by extension of pipe line from Existing CPWS scheme to Nakkapalli, Payakaraopeta and S.Rayavaram mandals in Payakaraopeta constituency of Anakapalle District Esct.cost Rs.8668.26 lakhs-Laying of pipe line from chain age 802/2 to 809/60 as permissions issued previously-request for laying of pipe lines Intimation submitted. Regarding

Ref:- 1) Administrative sanctioned Go Rt No 940, dt.29/11/2022 of the Principal Secretary, PR & RD (RWS-II), AP.

2) Agreement No & Date /2023-24, dt.02/08/2023

3) NHAI/ PIU-RJY/RWS&S-VSKP/2016-17/19688, Dt.27/01/2017 office of the Projectdirector, NHAI, PIU, Rajamundry.

& & &

As per the reference cited the Work was sanctioned to provide drinking water to 140 habitations including Kagitha village "CPWS Scheme Providing permanent water supply through FHTCs to 103 Jagananna Housing colony Layouts and 37 entrusted habitations by extension of pipe line from Existing CPWS scheme to Nakkapalli, Payakaraopeta and S.Rayavaram mandals in Payakaraopeta constituency in Anakapalle District Esct.cost Rs.8668.26 lakhs, proposed for laying of drinking water pipeline besides NHAI along RHS & LHS of NH-16 from 799.998 to 809.600 km, which permission was already given vide reference 3rd cited. Due to insufficient amount pipe line are laid from 799.998 to 802/2 up to Godicharla junction in pervious sanctioned work.

At present the work was sanction to providing drinking water to Nakkapalli, Payakaraopeta, S.Rayavaram mandals vide reference 1st & 2nd cited under JAL JEEVAN MISSION of Central Government grant. Now we are proposed to lay the pipe line from 802/2 km to 809.60km chain age.

Hence we request to laying the pipe line beside NHAI-16, LHS from 802/2 to 809.60 chainage, requested to allow lay the pipe lines.

This is submit for favour of information and taking necessary action.

Thanking you sir

Yours faithfully

[Signature]
Deputy Executive Engineer
RWS&S Nakkapalli

Copy submitted to the Executive Engineer, RWS&S, Division, Anakapalle for information

RECEIVED	
No: <u>19</u>	<u>13/02/2024</u> <u>1:00P</u>
NHAI, PIU, RAJAMAHENDRAVARAM	

Government of Andhra Pradesh
Rural Water Supply & Sanitation Department,
Office of the Executive Engineer, RWS&S, division, Anakapalli

From
ASA Ramaswamy, B.Tech
Executive Engineer
RWS&S, division
Anakapalli

To
The Project Director,
PIU, Rajamahendravaram

Lr.Rc.No /SA/CPWS scheme Payakaraopeta /2024 / dt 17.02. 2025

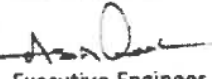
Sir,

Sub: RWS&S, Nakkapalli Cpws scheme to ~~Payakaraopeta~~ Payakaraopeta, Nakkapalli and S.Rayavaram Mandals in Anakapalli district- Submission of Licence fees & Bank guarantee amount details -for Laying of pipe lines along NHAI for the chainage 781.120 - 799.20(LHS) for a length of 18,080 mtrs on NH16 - Requested for Laying of pipe lines- Request reg.

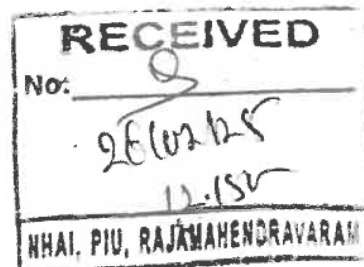
Ref:1. No.11515/S/NHAI/PIU-RJY/TOT/IE/PP/2025/ 32018 dt.23.01.2025 of Project director , PIU, Rajamahendravaram.

In obedience to the your reference 1st cited, we are here with submitting the Licence Fees & Bank guarantee charges calculation sheet for the work "Providing Permanent water supply through FHTCs to 103 Jagananna housing colony layouts and 37 en-rooted habitations by extension of pipe line from Existing CPWS scheme to Nakkapalli, Payakaraopeta, S. Rayavaram Mandals in Payakaraopeta constituency Est. Cost of Rs. 8668.26Lakhs. Calculation sheet for Licence Fees & Bank guarantee charges amount details are attached with this letter. Hence Requested to pl Issue Permission for laying of Pipe lines along NHAI for the chainage 781.12 - 799.20 (LHS) on NH16.

Yours faithfully


Executive Engineer,
RWS&S, Anakapalli.


12/2/25



Government of Andhra Pradesh
Rural Water Supply & Sanitation Engineering Department

From
The Deputy Executive Engineer,
RWS&S Department,
Nakkapalli Division,
Anakapalli District,

To
The Project Director,
National Highway Authority of India,
Project Implementation Unit,
Door No: 78-14-21, Shyamala
Nagar, Rajahmundry-533103, AP.

Rc.No. JHC-Payakaraopeta/AKP Dist/2023-24/EE(PD-1) Dt.15.02.2024

Sir,

Sub: Providing Permanent water supply through FHTCS to 103 Jagananna housing colony Layouts and 37 enrooted habitations by extension of pipe line from Existing CPWS Scheme to Nakkapalli, Payakaraopeta and S.Rayavaram mandals in Payakaraopeta constituency of Visakhapatnam District. Reg -Permission & Crossings For Laying Pipeline along National Highway-16 at Near Dharamvaram-From ch:781.200 to 799.200(18.00km)

Ref: Agt.No. /2023-24 Dt 02.08.2023 of the Superintending Engineer, RWS&S, Visakhapatnam.

It is to submit that RWS&S has taken up the work "Providing Permanent water supply through FHTCS to 103 Jagananna housing colony Layouts and 37 enrooted habitations by extension of pipe line from Existing CPWS Scheme to Nakkapalli, Payakaraopeta and S.Rayavaram mandals in Payakaraopeta constituency of Visakhapatnam District" for providing drinking water to the Paykaraopeta, Nakkapalli, S. rayavaram mandals, in this we are required to lay the the pipe lines 500,450,400,300,250 mm dia DI K-7 Pipe line from Uddandapuram to Nakkapalli, S.Rayavaram mandal villeges in chainage from: 781.200 to 799.200(18.00km). with 5 years defective liability period the work was entrusted to M/s KL.SR Infratech Limited, Hyderabad.

As a part of above work, the water supply pipeline proposed to lay along the left side of NH-16 from Dharamvaram (chainage from: 781.200 to 799.200(18.00km)) to Uddanadapuram Village. The Above Mentioned chainages Between National Highway Both side villages Drinking Water supply the same pipeline. Some Villages need a branch Pipeline and Crossing the NH-16.

GOVERNMENT OF ANDHRA PRADESH RURAL WATER SUPPLY & SANITATION

From
Sri A.S.A RAMASWAMI
Executive Engineer,
RWS&S, ANAKAPALLI
Anakapalli District.
Dated:13.03.2025.

To Whom So Ever It may Concern


Subject: Authorization for signing and execution of documents related to Permissions/Clearances from authorities for Permission for laying of water pipe line for the project "CPWS scheme to Nakkapalli, Payakarapeta & S. Rayavaram mandals in Anakapalli district of Andhra Pradesh". Providing water supply pipe line of 250mm dia, 300mm dia, 400mm dia, 450 mm dia, 500mm dia DI K7 clear water gravity main laying at chainage from KM781.120 to KM799.20 (LHS) , crossings at from KM781.915, KM784.090, KM787.487, KM793.807, KM792.939, KM791.096, KM790.660, KM797.734, KM799.181 KM (LHS to RHS) in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakapalli District, Andhra Pradesh.

I do hereby authorize Sr. A.S.A Ramaswami , Executive Engineer, RWS&S Division, Anakapalli District. to sign and execute all the documents related to Permissions/ Clearances from authorities for Water supply pipeline of 250mm dia, 300mm dia, 400mm dia, 450mm dia, 500mm dia DI K7 clear water gravity main laying at chainage from KM781.120 to KM799.20 (LHS) , crossings at from KM781.915, KM784.090, KM787.487, KM793.807, KM792.939, KM791.096, KM790.660, KM797.734, KM799.181 KM (LHS to RHS) in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakapalli District, Andhra Pradesh.

Yours Faithfully,



Executive Engineer,
RWS, S Anakapalli Division,


13/03/2025



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport & Highways, Govt. of India)

परियोजना कार्यान्वयन इकाई - टोयोटा शोरूम के बाजू, राजमार्ग २१६ ए,
दिवांनचेरुवु, राजमहेंद्रवaram - ५३३ १०२, आ.प्र.

PROJECT IMPLEMENTATION UNIT - Adjacent to Toyota Showroom,
NH-216A, Diwancheruvu, Rajamahendravaram - 533102, A.P.

दूर / Phone : 0883 - 2431170 ई-मेल / e-mail: raj@nhai.org / piurajmahmundry@gmail.com



No: 11515/5/NHAI/PIU-RJY/TOT/IE/PP/2025/32018

Date: 23.01.2025

To

The Executive Engineer,
RWS&S, Anakapalli

Sub: **NHAI, PIU, Rajamahendravaram** – Permission for laying of pipe lines along the road from 781+120 to KM 799+200 (RHS) for a length of 18080 mts by open trench method and across the road at 08 nos of locations by HDD method for extending the pipelines from existing CPWS scheme to Nakkapalli, Payakaropeta, S. Rayavaram Mandals in Anakapalli - Annavaram section of NH-16 – **Details of Licence Fees & Bank Guarantee Amount – Requested- Reg.**

Ref: Your letter no. NHAI/AKP, dated 04.12.2024

Sir,

With reference to proposal, above, regarding the permission for laying of pipe lines along the road from 781+120 to KM 799+200 (RHS) for a length of 18080 mts by open trench method and across the road at 08 nos of locations by HDD method for extending the pipelines from existing CPWS scheme to Nakkapalli, Payakaropeta, S. Rayavaram Mandals in Anakapalli - Annavaram section of NH-16, , it is requested to furnish the details of Licence Fees & Bank Guarantee Amount to be submitted to NHAI as per MORT&H circular dated 22.11.2016 & 17.04.2023 (copy enclosed) to this office for taking further necessary action.

Encl: As above.

Yours faithfully,

(Signature)
(D. Surendra Nath)
Project Director



सत्यमेव जयते
Satyameva Jayate

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport & Highways, Govt. of India)
परियोजना कार्यालयन हवाई - टोयोटा शोरूम के बाजू, राजमार्ग ३९६ ए,
दिवानचेरु, राजमहेंद्रवaram - ५३३ १०२, आ.प्र.

PROJECT IMPLEMENTATION UNIT - Adjacent to Toyota Showroom,
NH-216A, Diwancheruvu, Rajamahendravaram - 533102, A.P.
दूर / Phone : 0883 - 2431170 ई-मेल / e-mail: raj@nhai.org / plurajahmundry@gmail.com



No: 11515/5/NHAI/PIU-RJY/TOT/IE/PP/2024-131863

Date: 09.12.2024

To

The Team Leader
M/s. MSV International INC
in Association with M/s. Sri Infotech
RAJAMAHENDRAVARAM

Sub: **NHAI, PIU, Rajamahendravaram** – Permission for laying of pipe lines along the road from 781+120 to KM 799+200 (RHS) for a length of 18080 mts by open trench method and across the road at 08 nos of locations by HDD method for extending the pipelines from existing CPWS scheme to Nakkapalli, Payakaropeta, S. Rayavaram Mandals in Anakapalli - Annavaram section of NH-16 - **Comments / Recommendations** – Reg.

Ref: Executive Engineer, RWS&S, Anakapalli letter no. NHAI/AKP, dated 04.12.2024

Sir,

Please find enclosed herewith a copy of the proposal received from Executive Engineer, RWS&S, Anakapalli, seeking permission for laying of pipe lines along the road from 781+120 to KM 799+200 (RHS) for a length of 18080 mts by open trench method and across the road at 08 nos of locations by HDD method for extending the pipelines from existing CPWS scheme to Nakkapalli, Payakaropeta, S. Rayavaram Mandals in Anakapalli - Annavaram section of NH-16

In this regard, it is requested to inspect the site and examine the proposal as per the revised guidelines of MORT&H Dt. 22.11.2016 and furnish the Inspection Report on the feasibility of the proposal at site including the availability of ROW as per the records available along with specific recommendations on the proposal, for taking further action

Encl: Copy of Proposal.

Yours faithfully,

(Signature)
(D. Surendra Nath)
Project Director

Copy to M/s. Ankapalli Tollways Pvt Ltd – with a request to convey your consent for issue of permission.

Government of Andhra Pradesh
Rural Water Supply & Sanitation Department,
Office of the Executive Engineer, RWS&S Division Anakapalli

From
A.S.A Ramaswamy, B.Tech
Executive Engineer
RWS&S, Anakapalli

To
The Project Director,
PIU, Rajamahendravaram

Lr.Rc.No / NHAI / AKP/ dt .12.2024

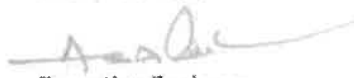
Sir

Sub: RWS&S , Nakkapalli Cpws scheme to Psysksraopeta, Nakkapalli and S.Rayavaram Mandals in Anakapalli district- Permission for Laying of pipe lines along NHAI for the chainage 781.120-799.20 on NH16 – Requested for Laying of pipe lines-Request reg.

Ref:1. No.11018/RWS/NHAIPU-RJY/2024/ 31745 dt.11.11.2024 of Project director , PIU, Rajamahendravaram.

In obedience to the your reference 1st cited, for the work "Providing Permanent water supply through FHTCs to 103 Jagananna housing colony layouts and 37 en-rooted habitations by extension of pipe line from Existing CPWS scheme to Nakkapalli, Payakaraopeta, S. Rayavaram Mandals in Paykaraopeta constituency Est. Cost of Rs. 8668.26Lakhs is in brisk progress that we have we have already applied for permission of laying of pipe lines along Nh16 chianage 781.120-799.20 permission for NHAI LHS for Laying of pipe lines along NHAI. Hence I request the authority to pl issue permission for laying of Pipe lines.

Yours faithfully


Executive Engineer,

RWS&S, Anakapalli.

04/12/2024

Enclosed Agreement, Annexure-1, undertakings and Drawings
for Laying of pipelines methodology- 3 sets.

INWARD			
No:	91131		
Date:	09/12/24		
Time:	11:20		
MTI	✓	PS	✓
STI		ACCT.	
		LAO	
NHAI, PIU, RAJAMAHENDRAVARAM.			

*Pl. obtain
comments of PE
Consent of concerned
DE.*

CHECK - LIST

Guidelines for Project Directors for processing the proposal for laying of Water Supply Pipe Line 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 11.5.1982
- 4) Ministry Circular No. RW/NH - 11037/1/86-DOI (ii) dated 28.7.1993
- 5) Ministry Circular No. RW/NH - 11037/1/86-DOI dated 19.1.1995
- 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 17.9.2003

Check list for getting approval for laying of Water Supply Pipe Line on NH land

S.No	Item	Information/Status	Remarks
1	General Information.	Permission for laying of water pipe line for the project "CPWS scheme to Nakkapalli, Payakarapeta & S. Rayavaram mandals in Anakapalli district of Andhra Pradesh". Providing water supply pipe line of 250mm dia, 300mm dia, 400mm dia, 450 mm dia, 500mm dia DI K7 clear water gravity main laying at chainage from KM781.120 to KM799.20 KM (LHS), crossings at KM781.915, KM784.090, KM787.487, KM793.807, KM792.939, KM791.096, KM790.660, KM799.181, KM797.734 (LHS to RHS) in the limits of ROW boundary of NH 16. In Anakapalli District	LHS)
1.1	Name and Address of the Applicant/Agency.	Executive Engineer, Rural Water Supply & Sanitation Department, Anakapalli Division, Anakapalli district	
1.2	National Highway Number.	NH16	
1.3	State.	Andhra Pradesh	


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		alli District.AP	
1.5	(Chain age in KM).	1.At from KM781.120 to KM799.20 KM (LHS) 2.Road crossings at chainages KM781.915, KM784.090, KM787.487,KM793.807, KM792.939, KM791.096,KM790. 660, KM799.181,KM797.734 (LHS to RHS)	
1.6	Length in Meters.	18080.00 mts	
1.7	Width of available ROW.		
	(a) Left side from centre line towards increasing chain age/km direction.	Avg 27.50mts	
	(b) Right side from centre line towards increasing chain age/km direction.	Avg 27.50mts	
1.8	Proposal to lay underground electrical cable.		
	(a) Left side from centre line towards increasing chain age /km direction.	NA	
	(b) Right side from centre line towards increasing chain age/km direction.	NA	
1.9	Proposal to acquire land.		
	(a) Left side from centre line.	NA	
	(b) Right side from centre 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 cable.	NA	
1.11	Details of already laid services, if any, along the proposed route.	No	
1.12	Number of lanes (2/4/6/8 lanes) existing	4 lanes	
1.13	Proposed Number of lanes (2 lane with paved shoulders 4/6/8 lanes).	6 lanes	
1.14	Service road existing or not.	No	
	If yes then which side.	NA	
	(a) Left side from centre line.	NA	
	(b) Right side from centre line.	NA	
1.15	Proposed Service road.	NA	
	(a) Left side from centre line.		
	(b) Right side from centre line.		
1.16	Whether proposal to lay Water Supply Pipe Line is after the service road or between the service road and main carriageway.	Water pipe line will be laid along ROW boundary under supervision of NH authorities	


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1.17	The permission for laying of Water Supply Pipe Line shall be considered for approval/rejection based on the Ministry Circulars mentioned as above.	-	
	(a) Carrying of sewage/gas pipelines on highways bridges shall not be permitted as Fumes/gases pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of water.	NA	
	(b) Carrying of water pipe lines on bridges shall also be discouraged. However, if the water supply authorities seem to have no other viable alternative and approach the Highway Authority well in time before the design of the bridge is finalized, they may be permitted carry the pipe line on independent super structure, supported on extended portions of piers and abutments in such a manner that in the final arrangement enough free space around the super structure of the bridge remains available for inspection and repairs, etc.	NA	
	(c) Cost of required extension of the sub structure as well as that of the supporting super structure shall be borne by the agency - in - charge of the utilities.	NA	
	(d) Services are not being allowed indiscriminately on the parapet/any part of the bridges, safety of the bridges has to be kept in view while permitting various services along bridge. Approvals are to be accorded in this regard with the concurrence of the Ministry's Project Chief Engineers only.	NA	
1.18	If crossings of the road involved If yes, it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expenses of the Agency owning the line.	Yes agreed.	
	(a) Existing drainage structures shall not be allowed to carry the lines.	Yes agreed.	
	(b) Is it on a line normal to NH.	Yes agreed	


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	(c) Crossing shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter. What is the distance from the existing structures.	More than 15 mts	
	(d) The casing pipe (or conduit pipe in the case of electric cable) 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 the carrier pipe/cable.	Yes Agreed DI pipe	
	(e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	Yes Agreed	
	(f) The casing/Conduit pipe should, as minimum extent from drain to drain in cuts and toe of slope in the fills.	Yes Agreed	
	(g) The top of the casing/conduit pipe should be at least 1.2 meter below the surface of the road subject to be at least 0.3M below the drain inverts.	Yes Agreed	
	(h) Crossing shall be by boring method (HDD specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Yes Agreed	
	(i) The casing/conduit pipe shall be installed with an even bearing throughout its length and in such a manner to prevent the formation of a water way along it.	Yes Agreed	
2.	Document/drawings enclosed with the proposal	Yes Document Enclosed	
2.1	Cross section showing the size of trench for open trenching method.(Is it normal size of 1.2M deep X 0.3M wide)	Yes Cross sections enclosed	
	(i)Should not be greater than 60cm wider than the outer diameter of the pipe.	Yes Agreed	
	(ii)Located as close to the extreme edge of the right- of - way as possible but not less than 15 meter from the centre/lines of the nearest carriage way.	Yes Agreed	
	(iii)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.	Yes Agreed	

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	(iv) These should be so laid that their top is at least 0.60M below the ground level so as not to obstruct drainage of the road land.	Yes Agreed	
2.2	Cross section showing the size of pit and location of cable for HDD method	Enclosed	
2.3	Strip plan/Route Plan showing Water Supply pipe line, Chain age, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drainage works etc.,	Enclosed	
2.4	Methodology for laying of showing Water Supply pipe line.		
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, Methodology of refilling of trench	Yes methodology enclosed	
	(a) The trench width should be at least 30cm, but not more than 60cm wider than the outer diameter of the pipe.	Yes Agreed	
	(b) For filling of the trench, Bedding shall be to a depth of not less than 30cm. It shall consist of granular material, free of lumps, clods and cobbles and graded to a yield a firm surface without sudden change in the bearing value unsuitable soil and rock edged should be excavated and replaced by selected material.	Yes Agreed	
	(c) 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.	Yes Agreed	
	(d) The side fill shall consist of granular material laid in 15cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Over fill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or bonding will not be permitted.	Yes Agreed	
	(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.	Yes Agreed	
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	Yes Agreed	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line.		
2.4.2	Horizontal Directional Drilling (HDD) Method.	Yes at crossing locations	along the NH
2.4.3	Laying of Water Supply Pipe Line through CD works and method of laying.	N.A.	

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	(a) On approaches, the water mains/cables shall be carried along a line as close to the edge of the right-of-way as possible up-to a distance of 30m from the bridge and subject to all other stipulations contained in this Ministry's guidelines issued with letter No. NH-HI/P/66/76 dated 19.11.1976.	N.A.	
3.	Draft Licence Agreement signed by two witnesses.	Yes	
4.	Performance Bank Guarantee in favour of NHAI has to be obtained @ Rs50/- per running meter (parallel to NH) and Rs1,00,000/- 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	Yes Agreed	
	good the excavated trench for laying the cables/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.		
4.1	Performance BG as per above is to be obtained.	Undertaking enclosed	
4.2	Confirmation of BG has been obtained as per NHAI guidelines.	Yes Agreed	
5.	Affidavit/Undertaking from the Applicant.		
5.1	Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned. agency.	Yes Agreed	
5.2	Renewal of bank guarantee.	Yes Agreed	
5.3	Confirming all standard conditions of NHAI's guidelines.	Yes Agreed	
5.4	Shifting of Water Supply pipe line as and when required by NHAI at their own cost.	Yes Agreed	
5.5	Shifting due to 6 lanning /widening of NH.	Yes Agreed	
5.6	Indemnity against all damages and claims clause(XXIV).	Yes Agreed	
5.7	Traffic movement during laying of Water Supply pipe line to be managed by the applicant.	Yes Agreed	
5.8	If any claim is raised by the concessionaire then the same has to be paid by the applicant.	Yes Agreed	

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5.9	Prior approval from the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing Water Supply pipe line located in the National Highway right- of ways.	Yes Agreed	
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 Water Supply pipe line will be borne by the agency owning the line.	Yes Agreed	
5.11	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.	Yes Agreed	
5.12	Certificate from the applicant in the following format		
	(i) Laying of pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic.	Yes Agreed	
	(ii) for 6- lining "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-lining or any other development.	Yes Agreed	
6.	Who will sign the agreement on behalf of Water Supply pipe line agency.	The Executive Engineer, RWS&S Division, Anapalli	
7.	Certificate from Project Director.		
7.1	Certificate confirming of all standard condition issued vide Ministry Circular No. NH-41(58)/68 dated 31.1.1969, Ministry Circular No. NH-III/P/66/76 dated 18/19.11.1976, Ministry Circular No. RW/NH-III/P/66/76 dated 11.5.1982, Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.1.1995, Ministry Circular No. RW/NH - 34066/2/95/ S&R dated 25.10.1999 and Ministry Circular No. RW/NH-34066/7/2003 S&R(B) dated 17.9.2003.	Yes	
	Ministry Circular		
	No. RW/NH31066/2/95/S&R Dated 25/10/1999		

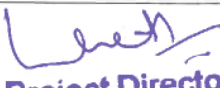

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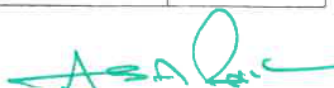

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	And Ministry circular No. RW/NH/34066/7/2003 S&R (B)Dt.17-09-2003		
7.2	Certificate from PD in the following format (i) " It is certified that any location of the Water Supply pipe line would be extremely difficult and un reasonable costly and the installation of Water Supply pipe 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 carriage way, easing of curve etc."	Yes	
	(ii) for 6 - lining		
	(a) Where feasibility is available " I do certify that there will be no hindrance to proposed six-lanning based on the feasibility report considering proposed structures at the said location."	Yes	
	(b) In case feasibility Report is not available " I do certify that sufficient ROW is available at site for accommodating proposed six lanning	Yes	
8.	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 Licensee has been granted the right to lay cable/duct has also been granted as a right of way to the concessionaire under the concession agreement for up-grading of [_____ section from km ____ to km ____ of NH No.____ on Build Operate and Transfer basis] and therefore, the licensee shall honour the same."	Yes	
9.	Who will supervise the work of laying of Water Supply pipe line.	The Executive Engineer, RWS&S Division, Anakapalli	
10.	Who will ensure that the defects in road portion after laying.	The Executive Engineer, RWS&S Division, Anakapalli	
11.	Who will pay the claims for damages done/ disruption in working of concessionaire if asked by the Concessionaire.	The Executive Engineer, RWS&S Division, Anakapalli	
12.	A certificate from PD that he will enter the proposed permissions in the prescribed proforma. (copy enclosed)		
13.	If any previous approval is accorded for laying of underground water supply pipe line then photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed.	NA	

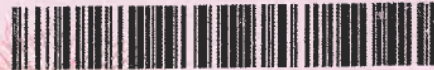

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Government of Andhra Pradesh

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Account Reference : NEWIMPACC (IV)/ ap18214603/ AP-AKP/ AP-AKL/apsommodu
DDO Code : 27002308001 O/o IG R
Unique Doc. Reference : SUBIN-APAP1821460332322869977660X
Purchased by : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Description of Document : Article 7 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Second Party : Not Applicable
Paid By (For Whom) : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
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 UTILITY SERVICES ON NATIONAL HIGHWAYS

Agreement for .Providing water supply pipe line of 250mm dia,300mm dia ,400mm dia,450 mm dia, 500mm dia, DIK7 clearwater gravity main laying at chainage from KM781.120 to KM799.20, crossings at from KM781.915, KM784.090, KM787.487, KM793.807, KM792.939, KM791.096, KM790.660, KM797.734, KM799.181 (LHS to RHS) in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakapalli District, Andhra Pradesh.

This agreement made this ___ day of ___ 2025 between Executive Engineer, RWS & S Division, Anakapalli District acting in his executive capacity through the president of India/National Highways Authority of India Here in after referred to as the Authority which expression shall unless exclude by or repugnant to the context, include his successor in office and assigns) on the one part, and Executive Engineer, RWS & S Division, Anakapalli District (herein after called the License) which expression shall unless excluded by repugnant to the context, include his successors/administrate assignee s.

On the second part.

Executive Engineer
RWS & S, Anakapalli

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- The onus of checking the legitimacy is on the users of the certificate.


Whereas the PD, NHAI PIU Rajamahendravaram is responsible, inter - alias, for development and maintenance of land

Whereas the Licensee proposes Water supply pipeline of 250mm dia, 300mm dia, 400mm dia, 450mm dia, 500mm dia DI K7 clear water gravity main laying at chainage from KM781.120 to KM799.2, crossings at from KM781.915, KM784.090, KM787.487, KM793.807, KM792.939, KM791.096, KM790.660, KM797.734, KM799.181 KM (LHS to RHS) in the limits of ROW boundary of NH 16. water supply pipeline referred to as utility services in subsequent paras

Whereas the Licensee has applied to the Authority for permission for utility services Water supply pipeline of 250mm dia, 300mm dia, 400mm dia, 450mm dia, 500mm dia DI K7 clear water gravity main laying at chainage from KM781.120 to KM799.20, crossings from KM781.915, KM784.090, KM787.487, KM793.807, KM792.939, KM791.096, KM790.660, KM797.734, KM799.181 KM (LHS to RHS) in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakapalli District, Andhra Pradesh. and Whereas the Authority has agreed to grant such permissions for way leave on the NH Row as per terms and conditions herein after mentioned.

Now this agreement witness that in consideration of the conditions herein after 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, enforce ability permission so granted shall be restricted Only to the extent of provisions/scope of activities defined in the license agreement & for the purpose, for which it is granted.
2. No Licensee shall claim exclusive right on the Row and any subsequent user will be permitted to use the Row, either above or below, or by the side of the utilities laid by the first user, subject to technical requirements being fulfilled. Decision of the Authority in relation to fulfillment of technical requirements shall be final and binding on all concerned parties. In case any disruption/damage is caused to any 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 all other activities essential or required for efficient functioning 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 infrastructures/ 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 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 annul compounded annually.


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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 we 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 arrangements 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 arrangements with all details shall be required to be approved in advance from the concerned Highway administration Additional cost on account of fixing and supporting arrangements 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 be neath 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 in the fills and shall be designed in accordance with 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 of 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 its or as nearly SO as practicable
15. The casing/conduit pipe for crossing road may be installed under 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 30cm but not more than 60cm 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.


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a) Bedding shall be to a depth not less than 30cm. 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 15cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the proctor's density Overall, shall be compared 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 into 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.

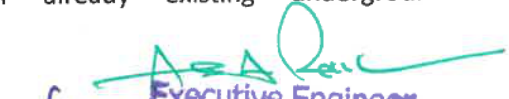
18. All required restoration work subsequent to laying of the cable shall be required to be undertaken by the Licensee at its cost either by itself or through its authorized representative in consultation with the authority as per predetermined time schedule and quality standards.

19. Prior in commencement of any work on the pound, 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 in the Authority its designated agency as a security against improper restoration of ground in terms of filling/unsatisfactory comp damages caused to other underground installations/utility services & Interference, interruption, 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 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 evoking. In case the work contemplated herein is not completed to the satisfaction of the Authority, which has granted the permission, within a period of 1 months from the date of issue of 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


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installations/utilities/facilities etc. before commencement of the excavation fusing 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 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 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 Licence

25. Grant of Licensee is subject to its Licence 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 trench-less technology. In case restore any damage is caused to the road pavement in this process, the licensee will be required to restores the road to the original road 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 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 are laid and trenches filled up before the clone 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 coordination 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. That the Licensee shall not undertake any work shifting, repairs or alterations to the utility services without prior written permission of the concerned agency in coordination with the Authority

31. 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'


Executive Engineer
RWS & S, Anakapalli

31. 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

33. The Licensee shall bear the stamp duty charged on this agreement

34. Three copies of as laid drawings of utilities (hard & soft copies) with Geo-tagged photographs and Geo-tagged video recordings of laying of cables in the trench with respect to the N H and after complete restoration shall be submitted to the authority for verification and record within a month of completion of works

35. The Licensee shall always allow free access to the site 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

36. 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 coordination 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 loss caused to it by such cancellation nor shall it be absolved from any liability already incurred

37. 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,

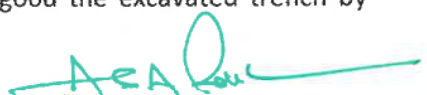
e. The physical conditions at the site, and

d. The safety of operating personnel and human beings

38. The licensee shall have to provide safety measures like barricading, danger lighting and other necessary caution boards while executing the work

39. 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

40. 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



Executive Engineer
RWS & S, Anakapalli

proper filling and compaction. Clearing debris, loose earth produced due to excavation of trenching at least 50m away from the edge of the RoW.

41. 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 for PPP Projects

42. In case of any financial loss incurred by the respective project concessionaires due to such laying/shifting of utility services by the licenses. Compensation for the same shall be required to be borne by the licensee in mutual agreement with the respective project concessionaires MoRT&H/HAI/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


Executive Engineer
RWS & S, Anakapalli
13/03/2025


IN WITNESS WHEREOF THE PARTES 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 ALTHORITY

BY SHRI.....


Executive Engineer
RWS & S, Anakapalli

SIGNED ON BEHALF OF EXECUTIVE ENGINEER, RWS&S ANAKAPALLI DIVISION, ANAKAPALLI.
BY Sri A.S.A RAMASWAMI.


Executive Engineer
RWS & S, Anakapalli

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.....

INTHE PRESENCE OF (WITNESSES)

1.



✓ Anand.

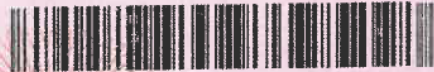
2.



(VAKSI PRIYA TELU)



INDIA NON JUDICIAL

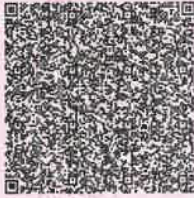


IN-AP72985363719009X

Government of Andhra Pradesh

e-Stamp

Certificate No. : IN-AP72985363719009X
Certificate Issued Date : 11-Mar-2025 05:58 PM
Account Reference : NEWIMPACC (IV)/ ap18214603/ AP-AKP/ AP-AKL/apsommudu
DDO Code : 27002308001 O/o IG R
Unique Doc. Reference : SUBIN-APAP1821460332324023224304X
Purchased by : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Description of Document : Article 7 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Second Party : Not Applicable
Paid By (For Whom) : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Stamp Duty Amount(Rs.) : 100
(One Hundred only)



Please write or type below this line

INDEMNITY BOND

Name of Work. "CPWS scheme to Nakkapalli, Payakarapeta & S.Rayavaram mandalas in Anakapalli district of Andhra Pradesh". Providing water supply pipe line of 250mm dia, 300mmdia, 400mmdia, 450 mm dia, 500mm dia DI K7 clear water gravity main laying at chainage from KM781.120 to KM799.2, crossings at from KM781.915, KM784.090, KM787.487, KM793.807, KM792.939, KM791.096, KM790.660, KM797.734, KM799.181 KM (LHS to RHS) in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakapalli District, Andhra Pradesh.

I, **EXECUTIVE ENGINEER, RWS&S ANAKAPALLI DIVISION, ANAKAPALLI**. do hereby Indemnity Project Director, National Highway Authority of India. PIU, Rajamahendravaram binding ourselves to pay all the losses and claims in respect of Right of way permission for Providing water supply pipe line of 250mm dia, 300mmdia, 400mmdia, 450 mm dia, 500mm dia DI K7 clear water gravity main laying at chainage 781.120 to 799.20KM, crossings from KM781.120 to KM799.2, crossings at from KM781.915, KM784.090, KM787.487, KM793.807, KM792.939, KM791.096, KM790.660, KM797.734, KM799.181(LHS to RHS) in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakapalli District, Andhra Pradesh.

Maintenance thereof and against all claims proceedings, damage costs, charges and expenses whatsoever in respect thereof in relation there to failing such payments of claims in the above work abide in accepting for recovery of such claims after from any of our assets.

Executive Engineer

RWS & S, Anakapalli

13/03/2025

Statutory Alert:

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2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy, please inform the Competent Authority.



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Government of Andhra Pradesh

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Certificate No. : IN-AP72996847139883X
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DDO Code : 27002308001 O/o IG R
Unique Doc. Reference : SUBIN-APAP1821460332345518098668X
Purchased by : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Description of Document : Article 7 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Second Party : Not Applicable
Paid By (For Whom) : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Stamp Duty Amount(Rs.) : 10
(Ten only)



Please write or type below this line

UNDERTAKING

1. EXECUTIVE ENGINEER, RWS&S ANAKAPALLI DIVISION, ANAKAPALLI, do hereby undertake in Reference to our Row application, Providing water supply pipe line of 250mm dia, 300mmdia, 400mmdia, 450 mm dia, 500mm dia DI K7 clear water gravity main laying at chainage from KM781.12 to KM799.2, crossings at from KM781.915, KM784.090, KM787.487, KM793.807, KM792.939, KM791.096, KM790.660, KM797.734, KM799.181 KM (LHS to RHS) in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakapalli District, Andhra Pradesh.

We will not damage any other utility, if damaged then to pay the losses either to NHAI or to Concerned agency

Executive Engineer

RWS & S, Anakapalli

13/03/2025 165858

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IN-AP72994153804184X

Government of Andhra Pradesh

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Certificate No. : IN-AP72994153804184X
Certificate Issued Date : 11-Mar-2025 06:21 PM
Account Reference : NEWIMPACC (IV)/ ap18214603/ AP-AKP/ AP-AKL/apsoommudu
DDO Code : 27002308001 O/o IG R
Unique Doc. Reference : SUBIN-APAP1821460332340583788208X
Purchased by : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Description of Document : Article 7 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Second Party : Not Applicable
Paid By (For Whom) : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Stamp Duty Amount(Rs.) : 10
(Ten only)



Please write or type below this line

UNDERTAKING

1. EXECUTIVE ENGINEER, RWS&S ANAKAPALLI DIVISION, ANAKAPALLI, do hereby undertake in Reference to our Row application, Providing water supply pipe line of 250mm dia, 300mmdia, 400mmdia, 450 mm dia, 500mm dia DI K7 clear water gravity main laying at from KM781.120 to KM799.2, crossings from KM781.915, KM784.090, KM787.487, KM793.807, KM792.939, KM791.096, KM790.660, KM797.734, KM799.181 KM (LHS to RHS) in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakapalli District, Andhra Pradesh.

We hereby undertake to furnish a Performance Bank Guarantee as per rates per route meter specified in page 6 g relevant MORTH circular dated 22-11-2016 and amendments for a period of one year initially (extendable if required until satisfactory completion of work) as security against improper ground restoration, such as filling/unsatisfactory compaction/damages caused during underground installation/utility services, and any interference, interruption, disruption or failure caused thereof to any services, etc.

Executive Engineer
RWS & S, Anakapalli

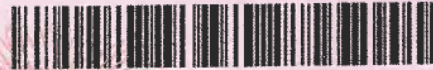
13/03/2025 2165864

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Government of Andhra Pradesh

IN-AP72993391211157X

e-Stamp

Certificate No. : IN-AP72993391211157X
Certificate Issued Date : 11-Mar-2025 06:19 PM
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DDO Code : 27002308001 O/o IG R
Unique Doc. Reference : SUBIN-APAP1821460332339179648857X
Purchased by : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Description of Document : Article 6 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Second Party : Not Applicable
Paid By (For Whom) : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Stamp Duty Amount(Rs.) : 10
(Ten only)



Please write or type below this line

UNDERTAKING

1. EXECUTIVE ENGINEER, RWS&S ANAKAPALLI DIVISION, ANAKAPALLI, do hereby undertake in Reference to our Row application, Providing water supply pipe line of 250mm dia, 300mmdia , 400mmdia, 450 mm dia, 500mm dia DI K7 clear water gravity main laying at chainage from KM781.120toKM799.2,crossingsfromKM781.915,KM784.090,KM787.487,KM793.807,KM792.939,K M791.096,KM790.660,KM797.734,KM799.181 KM (LHS to RHS) in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakaplli District, Andhra Pradesh.

We will confirm that we are complying with all standard conditions of Ministry/NHA! guide lines.

Executive Engineer

RWS & S, Anakapalli

13/03/2025 002165812

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Government of Andhra Pradesh

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Certificate No. : IN-AP72999388575951X
Certificate Issued Date : 11-Mar-2025 06:35 PM
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Purchased by : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Description of Document : Article 7 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Second Party : Not Applicable
Paid By (For Whom) : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Stamp Duty Amount(Rs.) : 10
(Ten only)



Please write or type below this line

UNDERTAKING

1. EXECUTIVE ENGINEER, RWS&S ANAKAPALLI DIVISION, ANAKAPALLI, do hereby undertake in Reference to our Row application, Providing water supply pipe line of 250mm dia, 300mmdia, 400mmdia, 450 mm dia, 500mm dia DI K7 clear water gravity main laying at chainage from KM781.120 to KM799.2, crossings from KM781.915, KM784.090, KM787.487, KM793.807, KM792.939, KM791.096, KM790.660, KM797.734, KM799.181 (LHS to RHS) in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakapalli District, Andhra Pradesh.

We will indemnify against all damages and claims.

Executive Engineer
RWS & S, Anakapalli

13/03/2025 165850

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Government of Andhra Pradesh

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Certificate No. : IN-AP72998683873784X
Certificate Issued Date : 11-Mar-2025 06:33 PM
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DDO Code : 27002308001 O/o IG R
Unique Doc. Reference : SUBIN-APAP1821460332348190088536X
Purchased by : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Description of Document : Article 7 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Second Party : Not Applicable
Paid By (For Whom) : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Stamp Duty Amount(Rs.) : 10
(Ten only)



Please write or type below this line

UNDERTAKING

I, EXECUTIVE ENGINEER, RWS&S ANAKAPALLI DIVISION, ANAKAPALLI, do hereby undertake in Reference to our Row application, Providing water supply pipe line of 250mm dia, 300mmdia , 400mmdia, 450 mm dia, 500mm dia DI K7 clear water gravity main laying at chainage from KM781.120 toKM799.200, crossings from KM781.915, KM784.090, KM787.487, KM793.807, KM792.939, KM791.096, KM790.660, KM797.734, KM799.18 (LHS to RHS) in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakapalli District, Andhra Pradesh.

We will manage traffic moment during laying of water supply pipeline without hampering the traffic.

Executive Engineer
RWS & S, Anakapalli
13/03/2025 0002165853

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Government of Andhra Pradesh

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Certificate No. : IN-AP72997495394270X
Certificate Issued Date : 11-Mar-2025 06:30 PM
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Unique Doc. Reference : SUBIN-APAP1821460332346546180741X
Purchased by : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Description of Document : Article 7 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Second Party : Not Applicable
Paid By (For Whom) : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Stamp Duty Amount(Rs.) : 10
(Ten only)



Please write or type below this line

UNDERTAKING

I, EXECUTIVE ENGINEER, RWS&S ANAKAPALLI DIVISION, ANAKAPALLI, do hereby undertake in Reference to our Row application, Providing water supply pipe line of 250mm dia, 300mmdia , 400mmdia, 450 mm dia, 500mm dia DI K7 clear water gravity main laying at chainage from KM781.120toKM799.2,crossingsfromKM781.915,KM784.090,KM787.487,KM793.807,KM792.939,K M791.096,KM790.660,KM797.734,KM799.181 KM (LHS to RHS) in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakaplli District, Andhra Pradesh.

We will address any claim is raised by the the concessionaire/ contractor then the same has to be paid by applicant.

Executive Engineer

RWS & S, Anakapalli

0002165856

13/03/2025

Statutory Alert:

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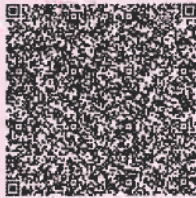


Government of Andhra Pradesh

IN-AP73004162303144X

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Certificate No. : IN-AP73004162303144X
Certificate Issued Date : 11-Mar-2025 06:49 PM
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DDO Code : 27002308001 O/o IG R
Unique Doc. Reference : SUBIN-APAP1821460332359252167896X
Purchased by : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Description of Document : Article 7 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Second Party : Not Applicable
Paid By (For Whom) : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Stamp Duty Amount(Rs.) : 10
(Ten only)



Please write or type below this line

UNDERTAKING

I, EXECUTIVE ENGINEER, RWS&S ANAKAPALLI DIVISION, ANAKAPALLI, do hereby undertake in Reference to our Row application, Providing water supply pipe line of 250mm dia, 300mmdia , 400mmdia, 450 mm dia, 500mm dia DI K7 clear water gravity main laying at chainage from KM781.120 to KM799.2, crossings from KM781.915, KM784.090, KM787.487, KM793.807, KM792.939, KM791.096, KM790.660, KM797.734, KM799.181(LHS to RHS) in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakapalli District, Andhra Pradesh.

We will obtain prior approval from the NHAI before undertaking any work/installation/shifting/repairs/alterations to the water supply pipeline located in the national highways ROW.

Executive Engineer

RWS & S, Anakapalli

13/03/2025 165838

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IN-AP73001553748003X

Government of Andhra Pradesh

e-Stamp

Certificate No. : IN-AP73001553748003X
Certificate Issued Date : 11-Mar-2025 06:41 PM
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DDO Code : 27002308001 O/o IG R
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Purchased by : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Description of Document : Article 7 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Second Party : Not Applicable
Paid By (For Whom) : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Stamp Duty Amount(Rs.) : 10
(Ten only)



Please write or type below this line

UNDERTAKING

I, EXECUTIVE ENGINEER, RWS&S ANAKAPALLI DIVISION, ANAKAPALLI, do hereby undertake in Reference to our Row application, Providing water supply pipe line of 250mm dia, 300mmdia , 400mmdia, 450 mm dia, 500mm dia DI K7 clear water gravity main laying at chainage from KM781.120 to KM799.2, crossings from KM781.915, KM784.090, KM787.487, KM793.807, KM792.939, KM791.096, KM790.660, KM797.734, KM799.181 (LHS to RHS) in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakapalli District, Andhra Pradesh.

We will bear the expenditure, if any, incurred by NHAI for repairing any damage caused to the national highway by laying, maintenance, or shifting of the water supply pipeline. The applicant agency owning the pipeline will be responsible for covering these costs.

Executive Engineer

RWS & S, Anakapalli

13/03/2025 2165843

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
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INDIA NON JUDICIAL

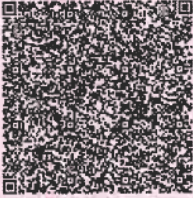


Government of Andhra Pradesh

IN-AP73000620815179X

e-Stamp

Certificate No. : IN-AP73000620815179X
Certificate Issued Date : 11-Mar-2025 06:39 PM
Account Reference : NEWIMPACC (IV)/ ap18214603/ AP-AKP/ AP-AKL/apsommudu
DDO Code : 27002308001 O/o IG R
Unique Doc. Reference : SUBIN-APAP1821460332352085461900X
Purchased by : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Description of Document : Article 7 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Second Party : Not Applicable
Paid By (For Whom) : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Stamp Duty Amount(Rs.) : 10
(Ten only)



Please write or type below this line

UNDERTAKING

I, EXECUTIVE ENGINEER, RWS&S ANAKAPALLI DIVISION, ANAKAPALLI, do hereby undertake in Reference to our Row application, Providing water supply pipe line of 250mm dia, 300mm dia, 400mm dia, 450 mm dia, 500mm dia DI K7 clear water gravity main laying at chainage from KM781.120 to KM799.200, crossings from KM781.915, KM784.090, KM787.487, KM793.807, KM792.939, KM791.096, KM790.660, KM797.734, KM799.181 (LHS to RHS) in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakapalli District, Andhra Pradesh.

The text of the License deed is as per the verbatim of MORTH format issued vide Ministry's Circular No:RW/NH-33044/29/2015/S&R(R) dated 22-11-2016.

Executive Engineer
RWS & S, Anakapalli

13/03/2025 165846

Statutory Alert:

- The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
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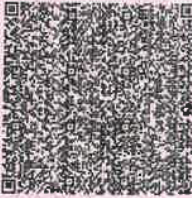
Government of Andhra Pradesh



IN-AP73008207195664X

e-Stamp

Certificate No. : IN-AP73008207195664X
Certificate Issued Date : 11-Mar-2025 07:00 PM
Account Reference : NEWIMPACC (IV)/ ap18214603/ AP-AKP/ AP-AKL/apsonmudu
DDO Code : 27002308001 O/o IG R
Unique Doc. Reference : SUBIN-APAP1821460332367052818127X
Purchased by : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Description of Document : Article 7 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Second Party : Not Applicable
Paid By (For Whom) : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Stamp Duty Amount(Rs.) : 10
(Ten only)



Please write or type below this line

UNDERTAKING

I, EXECUTIVE ENGINEER, RWS&S ANAKAPALLI DIVISION, ANAKAPALLI, do hereby undertake in Reference to our Row application, Providing water supply pipe line of 250mm dia, 300mmdia , 400mmdia, 450 mm dia, 500mm dia DI K7 clear water gravity main laying at chainage from KM781.120 to KM799.200, crossings from KM781.915, KM784.090, KM787.487, KM793.807, KM792.939, KM791.096, KM790.660, KM797.734, KM799.181 (LHS to RHS)in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakapalli District, Andhra Pradesh.

We will obtain various safety clearances from representative authorities, such as the Directorate of Electricity, Chief Controller of Explosives, Petroleum and Explosive Safety Organization, Oil Industry Safety Directorate, State/Central Pollution Control Board, and any other statutory clearances applicable, before applying to the Highway Administration.

Executive Engineer
RWS & S, Anakapalli

0002165829
13/03/2025

Statutory Alert:

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2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.



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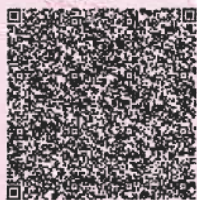


Government of Andhra Pradesh

IN-AP73007566395140X

e-Stamp

Certificate No. : IN-AP73007566395140X
Certificate Issued Date : 11-Mar-2025 06:59 PM
Account Reference : NEWIMPACC (IV)/ ap18214603/ AP-AKP/ AP-AKL/apsemmodu
DDO Code : 27002308001 O/o IG R
Unique Doc. Reference : SUBIN-APAP1821460332365738356370X
Purchased by : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Description of Document : Article 7 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Second Party : Not Applicable
Paid By (For Whom) : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Stamp Duty Amount(Rs.) : 10
(Ten only)



Please write or type below this line

UNDERTAKING

I, EXECUTIVE ENGINEER, RWS&S ANAKAPALLI DIVISION, ANAKAPALLI, do hereby undertake in Reference to our Row application, Providing water supply pipe line of 250mm dia, 300mmdia, 400mmdia, 450 mm dia, 500mm dia DI K7 clear water gravity main laying at chainage from KM781.120 to KM799.200, crossings from KM781.915, KM784.090, KM787.487, KM793.807, KM792.939, KM791.096, KM790.660, KM797.734, KM799.181 (LHS to RHS) in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakapalli District, Andhra Pradesh.

If the MORTH/NHAI considers it necessary in the future to move the utility line for any road improvement or repairs, 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.

Executive Engineer
RWS & S, Anakapalli

13/03/2025 0002165831

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shcilstamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
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INDIA NON JUDICIAL

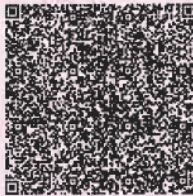


Government of Andhra Pradesh

IN-AP73007115053092X

e-Stamp

Certificate No. : IN-AP73007115053092X
Certificate Issued Date : 11-Mar-2025 06:57 PM
Account Reference : NEWIMPACC (IV)/ ap18214603/ AP-AKP/ AP-AKL/apsommudu
DDO Code : 27002308001 O/o IG R
Unique Doc. Reference : SUBIN-APAP1821460332364729824194X
Purchased by : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Description of Document : Article 7 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Second Party : Not Applicable
Paid By (For Whom) : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Stamp Duty Amount(Rs.) : 10
(Ten only)



Please sign below this line

CERTIFICATE

I, EXECUTIVE ENGINEER, RWS&S ANAKAPALLI DIVISION, ANAKAPALLI, do hereby undertake in Reference to our Row application, Providing water supply pipe line of 250mm dia, 300mmdia , 400mmdia, 450 mm dia, 500mm dia DI K7 clear water gravity main laying at chainage from KM781.120 toKM799.200, crossings from KM781.915, KM784.090, KM787.487, KM793.807, KM792.939, KM791.096, KM790.660, KM797.734, KM799.181 (LHS to RHS)in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakaplli District, Andhra Pradesh

Laying of Water pipe line will not have any deleterious effect on any of the bridge components and roadway safety for traffic.

Executive Engineer

RWS & S, Anakapalli

0002165833

13/03/2025

Statutory Alert:

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



INDIA NON JUDICIAL

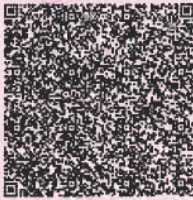


Government of Andhra Pradesh

IN-AP73005671159298X

e-Stamp

Certificate No. : IN-AP73005671159298X
Certificate Issued Date : 11-Mar-2025 06:53 PM
Account Reference : NEWIMPACC (IV)/ ap18214603/ AP-AKP/ AP-AKL/apsoommudu
DDO Code : 27002308001 O/o IG R
Unique Doc. Reference : SUBIN-APAP1821460332362069226800X
Purchased by : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Description of Document : Article 7 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Second Party : Not Applicable
Paid By (For Whom) : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Stamp Duty Amount(Rs.) : 10
(Ten only)



Please write or type below this line

UNDERTAKING

1.EXECUTIVE ENGINEER, RWS&S ANAKAPALLI DIVISION, ANAKAPALLI, do hereby undertake in Reference to our Row application, Providing water supply pipe line of 250mm dia, 300mmdia , 400mmdia, 450 mm dia, 500mm dia DI K7 clear water gravity main laying at chainage from KM781.120 to KM799.200, crossings from KM781.915, KM784.090, KM787.487, KM793.807, KM792.939, KM791.096, KM790.660, KM797.734, KM799.181 KM (LHS to RHS) in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakapalli District, Andhra Pradesh

We do undertake that I/we 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.

Executive Engineer

RWS & S, Anakapalli

0002165836
13/03/2025**Statutory Alert:**

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



INDIA NON JUDICIAL

Government of Andhra Pradesh

IN-AP73322426700231X

e-Stamp

Certificate No. : IN-AP73322426700231X
Certificate Issued Date : 12-Mar-2025 05:03 PM
Account Reference : NEWIMPACC (IV)/ ap18214603/ AP-AKP/ AP-AKL/apsommudu
DDO Code : 27002308001 O/o IG R
Unique Doc. Reference : SUBIN-APAP1821460332965976548315X
Purchased by : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Description of Document : Article 7 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Second Party : Not Applicable
Paid By (For Whom) : EXECUTIVE ENGINEER RWS AND S DEPARTMENT ANAKAPALLI
Stamp Duty Amount(Rs.) : 10
(Ten only)



Please write or type below this line

AFFIDVAT

WE EXECUTIVE ENGINEER, RWS&S ANAKAPALLI DIVISION, ANAKAPALLI, do hereby undertake in Reference to our Row application, Providing water supply pipe line of 250mm dia, 300mmdia, 400mmdia, 450 mm dia, 500mm dia DI K7 clear water gravity main laying at chainage from KM781.120toKM799.2,crossingsfromKM781.915,KM784.090,KM787.487,KM793.807,KM792.939,KM791.096,KM790.660,KM797.734,KM799.181 KM (LHS to RHS)in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakaplli District, Andhra Pradesh.

1. Undertaking not to damage any other utility; if any damage occurs, then the responsible party will pay for the losses either to NHAI or to the concerned agency
2. Undertaking for renewal of bank guarantee as and when asked by MORTH/NHAI.
- 3.Undertaking to conform to all the standard conditions of Ministry circulars and NHAI's guidelines.


Executive Engineer
RWS & S, Anakapalli
0002165906
13/03/2025

Statutory Alert:

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2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

4. Undertaking for indemnity against all damages and claims.
5. Undertaking for management of traffic movement during laying of water supply pipeline without hampering the traffic.
6. Undertaking that if any claim is raised by concessionaire/contractor the same to be paid by us
7. Undertaking that prior approval of NHAI shall be obtained before undertaking any work for installation, shifting, repairs, or alteration to the water supply line located in the National Highway Right of Way
8. Undertaking that expenditure, if any, incurred by NHAI for repairing any damages caused to the National Highway by the laying, maintenance, or shifting of the water supply pipeline will be borne by us
9. Undertaking that the text of the license deed is verbatim as per the MoRTH format (issued vide Ministry's circular no RW/NH-33044/29/2015/S&R(R) dated 22.11.2016)
10. Undertaking that the applicant has obtained various safety clearances from the relevant authorities, such as the 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 to the Highway Administration.
11. If MoRTH/NHAI considers it necessary in the future to move the water supply line for any road improvement or repair work, the agency responsible for moving the water supply line shall carry out the relocation as per MoRTH/NHAI's requirements and at their own cost within a reasonable time frame, not exceeding 60 days from the date of intimation
12. (1) certify that laying the water supply pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.

(ii) "We undertake that we will relocate the service road/approach road/utilities at our own cost, notwithstanding the permission granted, within the time frame stipulated by NHAI for future six-laning or any other development.


Executive Engineer
RWS & S, Anakapalli
13/03/2025

Calculation of License Fees & PBC

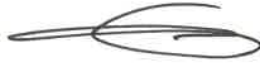
Permission for laying of Drinking water pipe lines From 781.20 to 799.20 LHS and crossings (Uddandapuram to Dharmavaram J.n) section of NH 16 in the State of Andhra Pradesh


Sl.No	Location	Chanaige (in Km)		Length (In Mtrs)	Width (In Mtrs)	Utilized NH Land Area (In Sq.Mtrs)	Prevailing Circle rate of Land in Rs./Acre (As per Revenue Records)	Prevailing Circle rate of Land in Rs./Sq.Mtrs	Amount
		From	To						
1	2	3	4	5	6	7(5*6)	8	9	10(7*9)
1	Dharmavaram J.n to Timmapuram j.n	781.200	786.580	5380	1	5380.00	7000000	1730	9305980
2	Timmapuram j.n to Nakkapalli J.n	786.580	791.780	5200	1	5200.00	8000000	1977	10279575
3	Nakkapalli J.n to Uddandapuram J.n	791.780	799.280	7500	1	7500.00	7000000	1730	12973021
	For Crossings				dia				
4	@ Somudevapalli J.n 781.915	781.915		35	0.3	10.50	7000000	1730	18162
5	@ Bheemavaram J.n 784.090	784.090		30	0.3	9.00	7000000	1730	15568
6	Timmapuram Adduroad 787.487	787.487		41	0.5	20.50	8000000	1977	40525
7	At Nakkapalli jn 790.660	790.660		25	0.3	7.50	8000000	1977	14826
8	@ Appalapayakaraopeta j.n 791.096	791.096		25	0.3	7.50	8000000	1977	14826
9	@ Vedullapalem 792.939	792.939		40	0.3	12.00	7000000	1730	20757
10	@ Nayampudi 793.807	793.807		23	0.3	6.90	7000000	1730	11935
11	@ Vempadu Kothuru J.n 797/ 734	797.734		30	0.3	9.00	7000000	1730	15568
12	@ Gullipau Jn 799/181	799.181		30	0.5	15.00	7000000	1730	25946
Total Length (in Mtrs)				18359					3,27,36,690
License Fee for public utility shall be equal to utilized NH land area X Prevailing Circle Rate of Land per unit are X 1.5% per annum, subject to minimum of Rs.10,000/-, with 6% annual increment									
License Fee for 1st year									
License Fee for 2nd year i.e., 6% annual increment on 1st year									
License Fee for 3rd year i.e., 6% annual increment on 2nd year									
License Fee for 4th year i.e., 6% annual increment on 3rd year									
License Fee for 5th year i.e., 6% annual increment on 4th year									
								Total License Fee to be paid	27,68,096
Performance bank Guarantee Amount calculation									
Amount of Performance Bank Guarantee to be submitted = Total No. of routemeters X Rs. 250/- per route meter									
i.e., 18359 X Rs. 250/- = 45,89,750/-									
Performance bank Guarantee Amount = Rs. 45,89,750/-									

[Signature]

[Signature]
Executive Engineer
RWS & S, Anakapalli


Habitation	Survey No	Sub Survey No	Land Rate Rs. per Acre	Nature Of Use	Effective Date
Uddandapuram	-	-	19360000	House Sites	01/02/2025
Uddandapuram	-	-	7000000	Land abutting NH/SH/ZPP/MPP	01/02/2025
Uddandapuram	-	-	5000000	Agricultural Land fit for H.S.	01/02/2025
Uddandapuram	-	-	2000000	Dry land	01/02/2025
Uddandapuram	-	-	2000000	Wet Land double crop	01/02/2025
Uddandapuram	-	-	2200000	Coconut Garden	01/02/2025



 Deputy Executive Engineer
 R.W.S.&S.
 Nakkapalli Sub-Division
 Anakapalli Dist.


 Executive Engineer
 RWS & S, Anakapalli
 13/03/2025

Habitation	Survey No	Sub Survey No	Land Rate Rs. per Acre	Nature Of Use	Effective Date
Vempadu	-	-	2000000	Dry land	01/02/2025
Vempadu	-	-	2200000	Coconut Garden	01/02/2025
Vempadu	-	-	4840000	Agricultural Land fit for H.S.	01/02/2025
Vempadu	-	-	19360000	House Sites	01/02/2025
Vempadu	-	-	4840000	Agricultural Land fit for H.S.	01/02/2025
Vempadu	-	-	4840000	Agricultural Land fit for H.S.	01/02/2025
Vempadu	-	-	4840000	Agricultural Land fit for H.S.	01/02/2025
Vempadu	-	-	4000000	Land abutting NH/SH/ZPP/MPP	01/02/2025
Vempadu	-	-	2000000	Wet Land double crop	01/02/2025
Amalapuaram	-	-	2000000	Dry land	01/02/2025
Amalapuaram	-	-	2000000	Wet Land double crop	01/02/2025
Amalapuaram	-	-	2200000	Coconut Garden	01/02/2025
Vempadu	-	-	2200000	Coconut Garden	01/02/2025
Vempadu	-	-	2000000	Wet Land double crop	01/02/2025
Vempadu	-	-	2000000	Dry land	01/02/2025
Amalapuaram	-	-	2000000	Dry land	01/02/2025

Habitation	Survey No	Sub Survey No	Land Rate Rs. per Acre	Nature Of Use	Effective Date
Nakkapalle	-	-	8000000	Land abutting NH/SH/ZPP/MPP	01/02/2025
Nakkapalle	-	-	2600000	Dry land	01/02/2025
Nakkapalle	-	-	2600000	Wet Land double crop	01/02/2025
Nakkapalle	-	-	2800000	Coconut Garden	01/02/2025
Nakkapalle	-	-	38720000	House Sites	01/02/2025
Nakkapalle	-	-	38720000	House Sites	01/02/2025
Nakkapalle	-	-	6050000	Agricultural Land fit for H.S.	01/02/2025
Nakkapalle	-	-	6050000	Agricultural Land fit for H.S.	01/02/2025
Nakkapalle	-	-	2600000	Dry land	01/02/2025
Nakkapalle	-	-	2600000	Wet Land double crop	01/02/2025
Nakkapalle	-	-	2800000	Coconut Garden	01/02/2025
Nakkapalle	-	-	8000000	Land abutting NH/SH/ZPP/MPP	01/02/2025


 Deputy Executive Engineer
 R.W.S.&S.
 Nakkapalli Sub-Division
 Anakapalli Dist.


 Executive Engineer
 RWS & S, Anakapalli
 13/03/2025

Habitation	Survey No	Sub Survey No	Land Rate Rs. per Acre	Nature Of Use	Effective Date
Kagita	-	-	2000000	Wet Land double crop	01/02/2025
Kagita	-	-	5000000	Land abutting NH/SH/ZPP/MPP	01/02/2025
Kagita	-	-	2000000	Dry land	01/02/2025
Kagita	-	-	2200000	Coconut Garden	01/02/2025
Kagita	-	-	14520000	House Sites	01/02/2025

Habitation	Survey No	Sub Survey No	Land Rate Rs. per Acre	Nature Of Use	Effective Date
Penugollu	-	-	19360000	House Sites	01/02/2025
Penugollu	-	-	5000000	Agricultural Land fit for H.S.	01/02/2025
Penugollu	-	-	6000000	Land abutting NH/SH/ZPP/MPP	01/02/2025
Penugollu	-	-	6000000	Land abutting NH/SH/ZPP/MPP	01/02/2025
Penugollu	-	-	2500000	Dry land	01/02/2025
Penugollu	-	-	2500000	Wet Land double crop	01/02/2025
Penugollu	-	-	2700000	Coconut Garden	01/02/2025
Penugollu	-	-	5000000	Agricultural Land fit for H.S.	01/02/2025
Penugollu	-	-	2500000	Dry land	01/02/2025
Penugollu	-	-	2500000	Wet Land double crop	01/02/2025
Penugollu	-	-	2700000	Coconut Garden	01/02/2025


Habitation	Survey No	Sub Survey No	Land Rate Rs. per Acre	Nature Of Use	Effective Date
Thimmapuram	-	-	3000000	Dry land	01/02/2025
Thimmapuram	-	-	3000000	Dry land	01/02/2025
Thimmapuram	-	-	3000000	Dry land	01/02/2025
Thimmapuram	-	-	3000000	Dry land	01/02/2025
Thimmapuram	-	-	3200000	Coconut Garden	01/02/2025
Thimmapuram	-	-	3200000	Coconut Garden	01/02/2025
Thimmapuram	-	-	3200000	Coconut Garden	01/02/2025
Thimmapuram	-	-	3200000	Coconut Garden	01/02/2025
Thimmapuram	-	-	38720000	House Sites	01/02/2025
Thimmapuram	-	-	38720000	House Sites	01/02/2025
Thimmapuram	-	-	38720000	House Sites	01/02/2025
Thimmapuram	-	-	38720000	House Sites	01/02/2025
Thimmapuram	-	-	3000000	Wet Land double crop	01/02/2025
Thimmapuram	-	-	3000000	Wet Land double crop	01/02/2025
Thimmapuram	-	-	3000000	Wet Land double crop	01/02/2025
Thimmapuram	-	-	3000000	Wet Land double crop	01/02/2025
Thimmapuram	-	-	7000000	Land abutting NH/SH/ZPP/MPP	01/02/2025
Thimmapuram	-	-	7000000	Land abutting NH/SH/ZPP/MPP	01/02/2025


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Anakapalli Dist.

Executive Engineer
RWS & S, Anakapalli

13/03/2025


Habitation	Survey No	Sub Survey No	Land Rate Rs. per Acre	Nature Of Use	Effective Date
Thimmapuram	-	-	7000000	Land abutting NH/SH/ZPP/MPP	01/02/2025
Thimmapuram	-	-	7000000	Land abutting NH/SH/ZPP/MPP	01/02/2025
Thimmapuram	-	-	7260000	Agricultural Land fit for H.S.	01/02/2025
Thimmapuram	-	-	7260000	Agricultural Land fit for H.S.	01/02/2025
Thimmapuram	-	-	7260000	Agricultural Land fit for H.S.	01/02/2025
Thimmapuram	-	-	7260000	Agricultural Land fit for H.S.	01/02/2025


 Deputy Executive Engineer
 R.W.S.&S.
 Nakkapalli Sub-Division
 Anakapalli Dist.

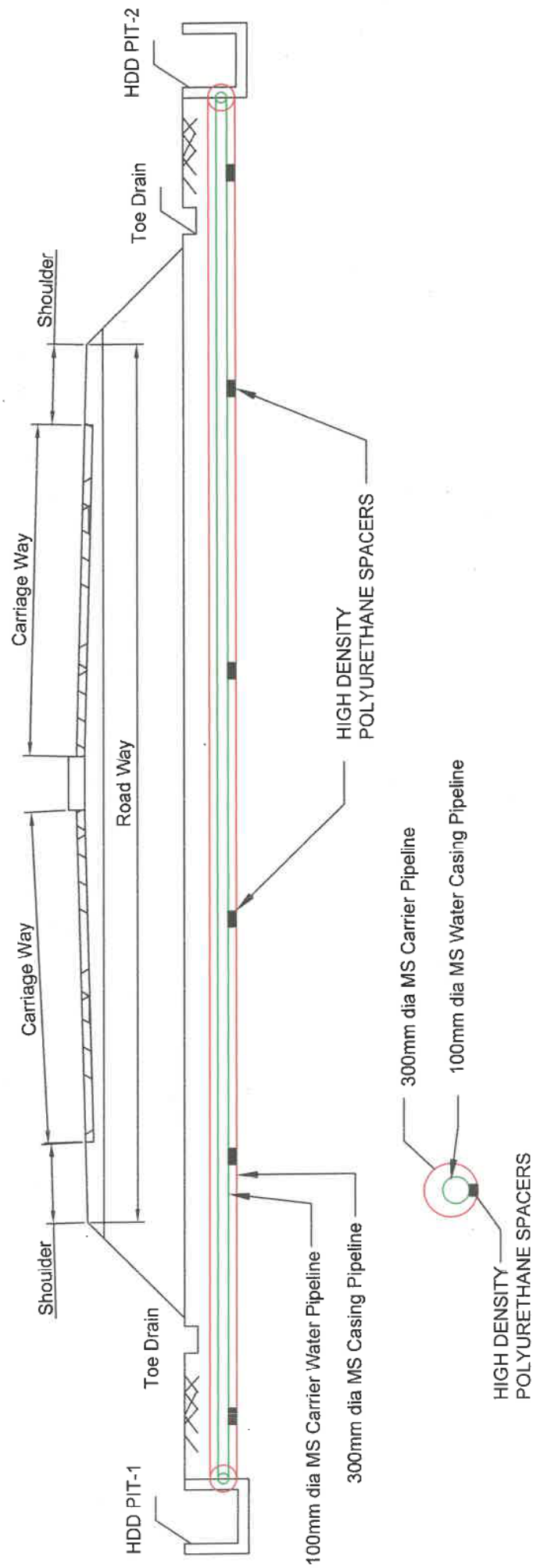

 Executive Engineer
 RWS & S, Anakapalli
 13/03/2025

Habitation	Survey No	Sub Survey No	Land Rate Rs. per Acre	Nature Of Use	Effective Date
Dharmavaram Agraharam	-	-	2300000	Dry land	01/02/2025
Dharmavaram Agraharam	-	-	2300000	Wet Land double crop	01/02/2025
Dharmavaram Agraharam	-	-	2300000	Coconut Garden	01/02/2025


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Anakapalli Dist.


Executive Engineer
RWS & S, Anakapalli
13/03/2025

Typical Cross Sectional For HDD CHAINAGE-781.915

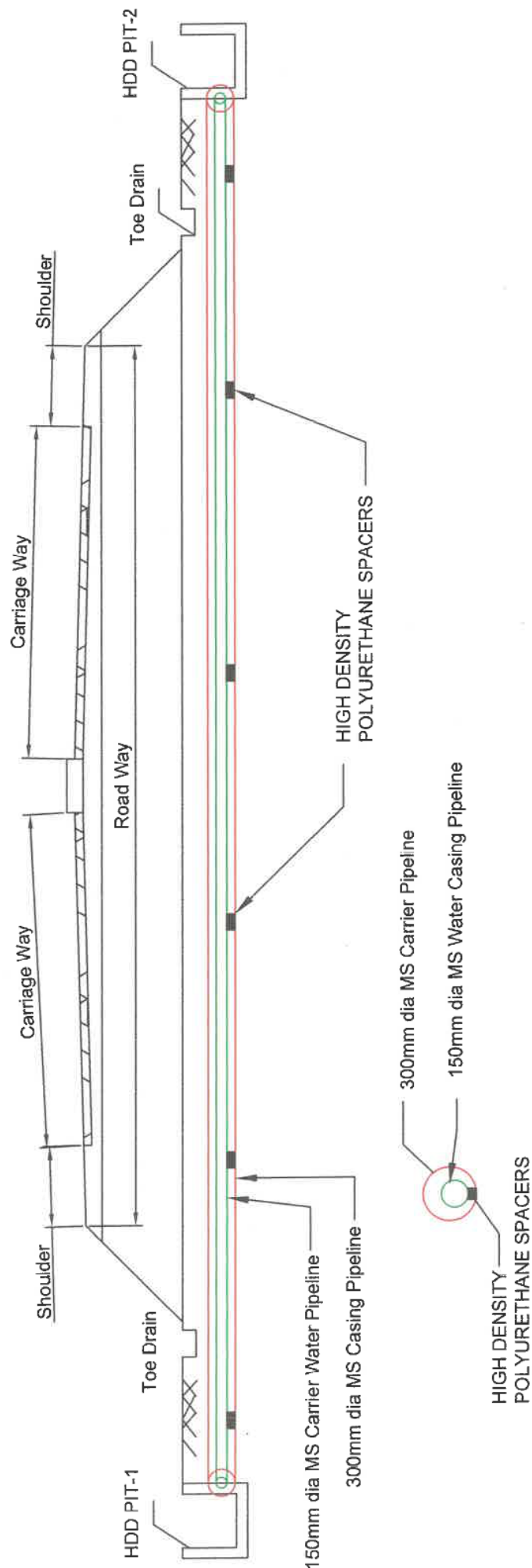


T. V. Narayana
RWS & S, Anakapalli

Deputy Executive Engineer
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Nakkapalli Sub-Division
Anakapalli Dist.

Executive Engineer
RWS & S, Anakapalli
13/03/2025

Typical Cross Sectional For HDD CHAINAGE-784.090

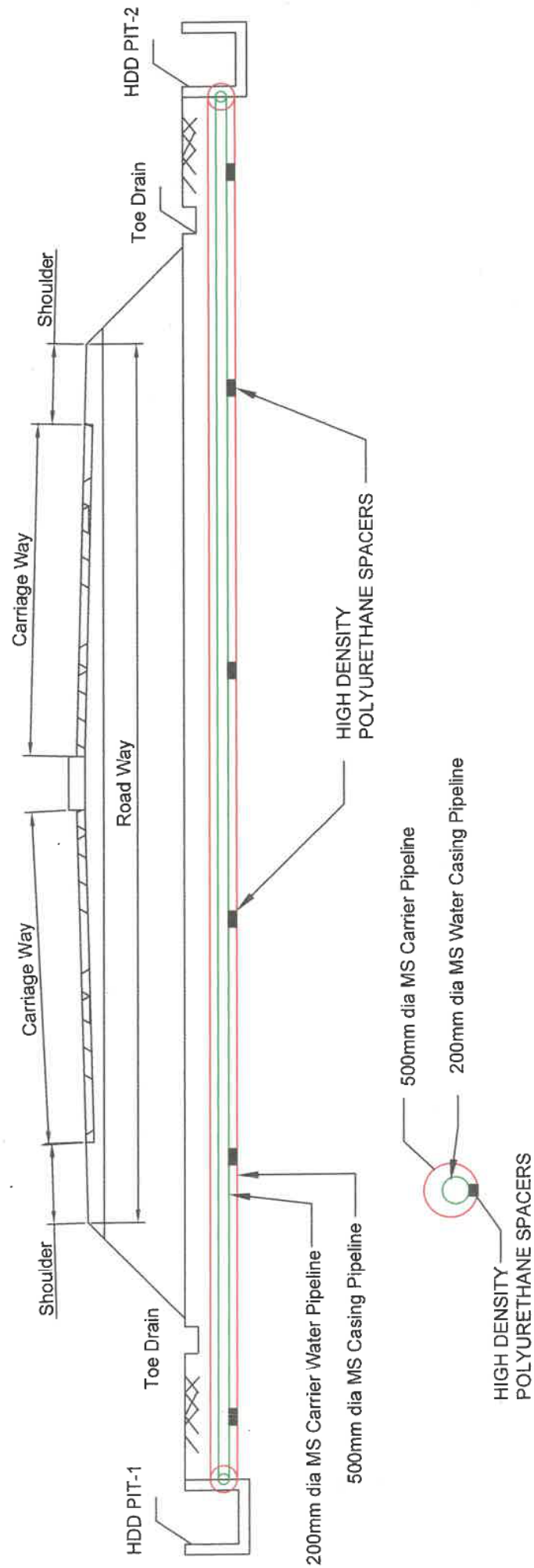


Deputy Executive Engineer
R.W.S.&S.
Nakkapalli Sub-Division
Anakapalli Dist.

Executive Engineer
RWS & S, Anakapalli
13/03/2015

T. N. N. N.
RWS & S, Anakapalli

Typical Cross Sectional For HDD CHAINAGE-787.485

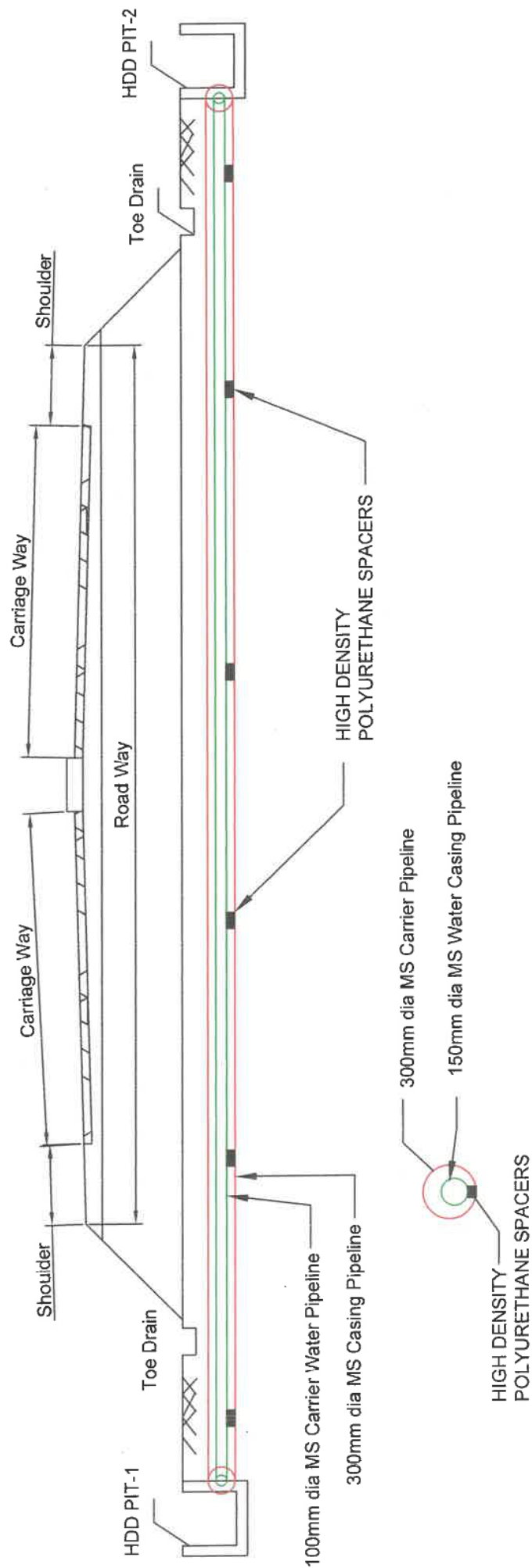


Deputy Executive Engineer
R.W.S.&S.
Nakkapalli Sub-Division
Anakapalli Dist.

Executive Engineer
RWS & S, Anakapalli

13/03/2025

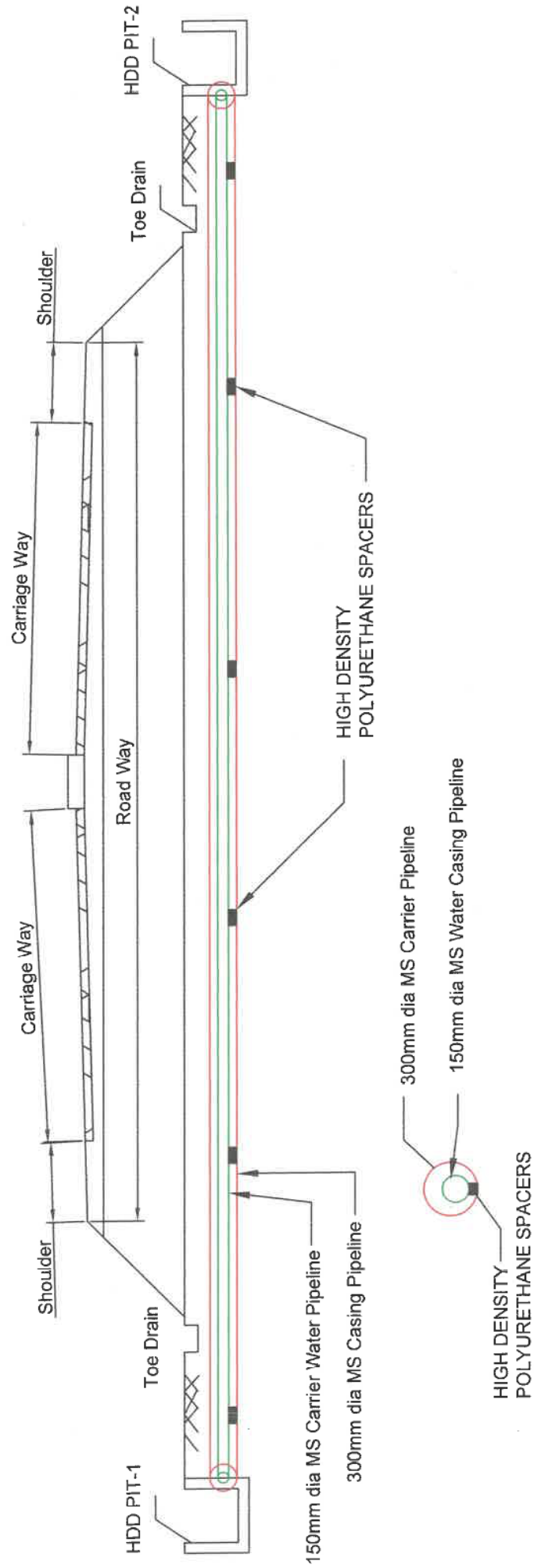
Typical Cross Sectional For HDD CHAINAGE-790.660



A. A. D.
Executive Engineer
RWS & S, Anakapalli
13/03/2025

T. Narayana
Deputy Executive Engineer
R.W.S.&S.
Nakapalli Sub-Division
Anakapalli Dist.

Typical Cross Sectional For HDD CHAINAGE-791.096

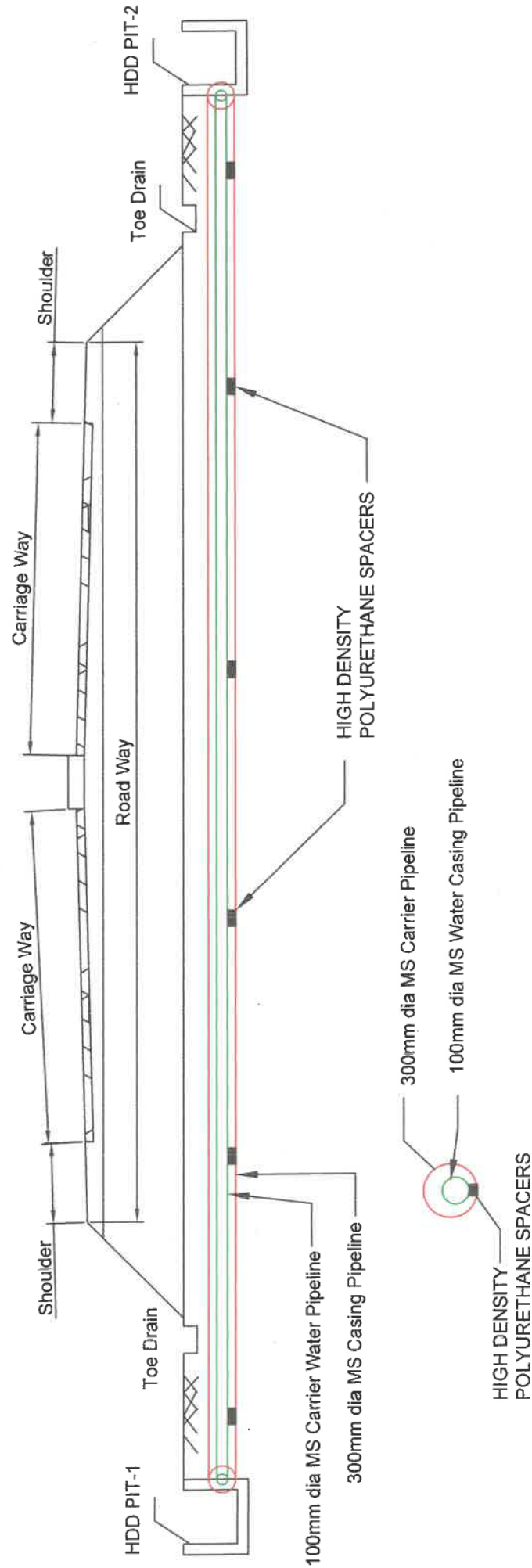


Deputy Executive Engineer
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Nakkapalli Sub-Division
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13/03/2025

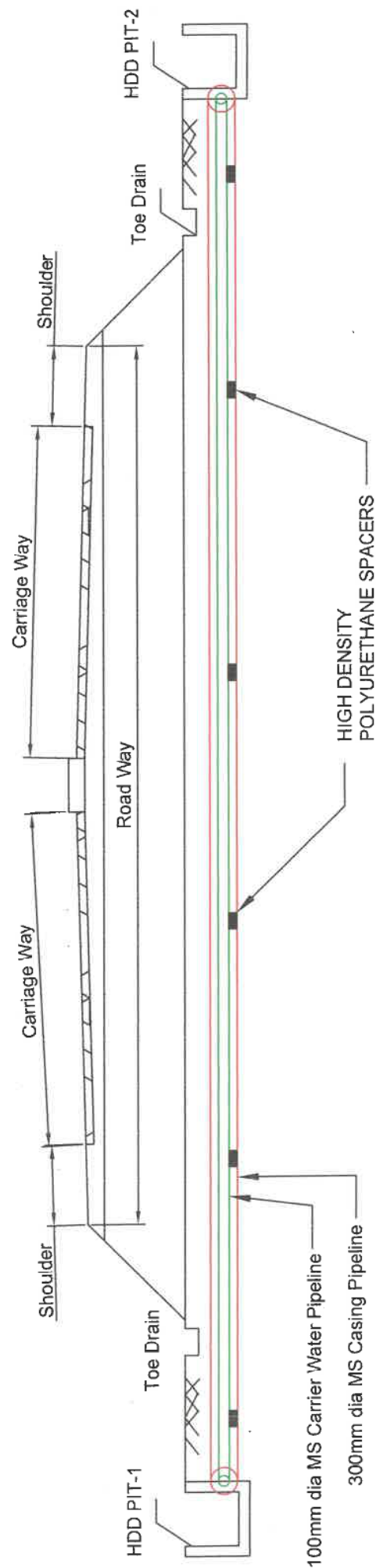
Typical Cross Sectional For HDD CHAINAGE-792.939



Deputy Executive Engineer
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Anakapalli Dist.

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13/03/2025

Typical Cross Sectional For HDD CHAINAGE-793.807



300mm dia MS Carrier Pipeline
100mm dia MS Water Casing Pipeline

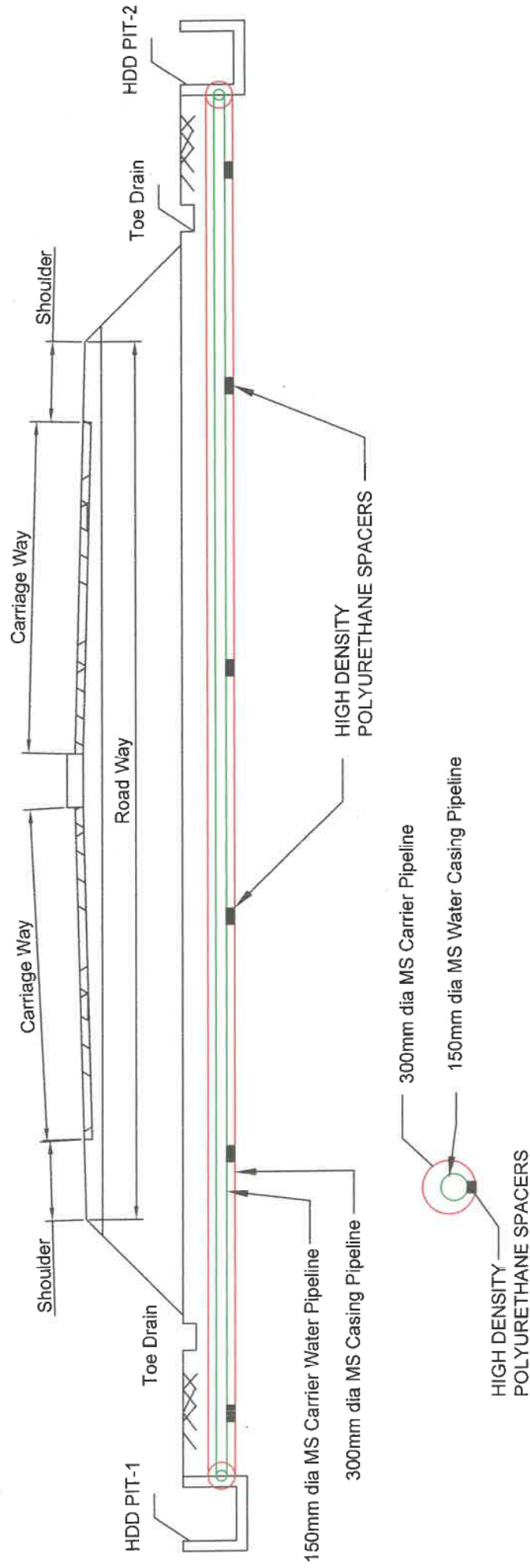
HIGH DENSITY
POLYURETHANE SPACERS

T. V. Narasimha Reddy
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Nakkapalli Sub-Division
Anakapalli Dist.

A. S. D. S.
Executive Engineer
R.W.S. & S, Anakapalli

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Typical Cross Sectional For HDD CHAINAGE-797.734



Deputy Executive Engineer
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Executive Engineer
RWS & S, Anakapalli

13/03/2025

The diagram illustrates the cross-section of a road and the installation of two parallel pipelines. The road structure consists of a central **Road Way** flanked by **Carriage Ways** and **Shoulders**. **Toe Drains** are located at the edges of the road. Two **HDD PITs** (HDD PIT-1 and HDD PIT-2) are shown at the ends of the road section. Two pipelines are installed parallel to each other, running the length of the road: a **200mm dia MS Carrier Water Pipeline** (indicated by a red line) and a **500mm dia MS Casing Pipeline** (indicated by a green line). **HIGH DENSITY POLYURETHANE SPACERS** are placed between the two pipelines to maintain a consistent separation.

200mm dia MS Water Casing Pipeline

HIGH DENSITY
POLYURETHANE SPACERS

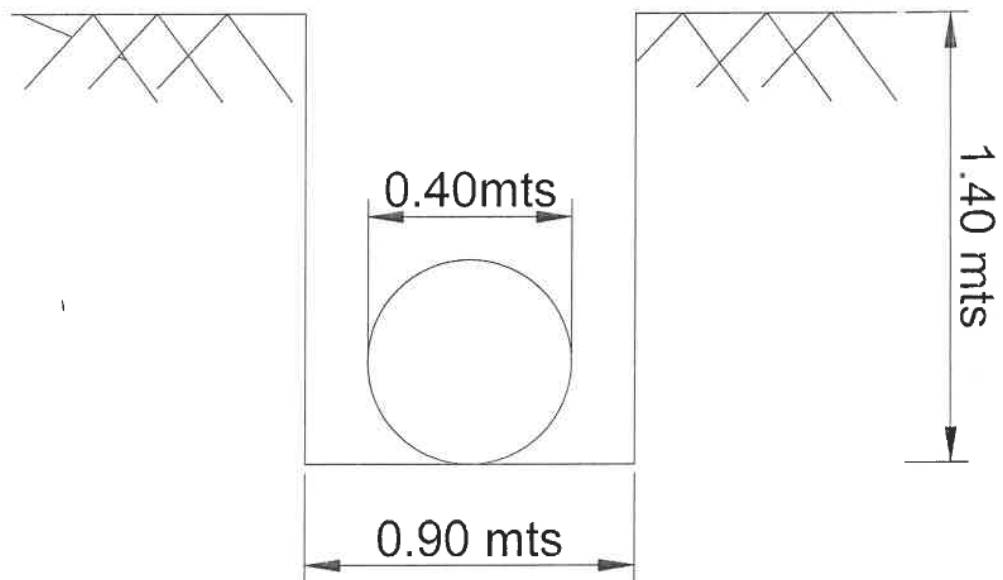
**Deputy Executive Engineer
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Anakapalli Dist.**

Executive Engineer
S. Annapali

13/03/2025

As den system 32E

400mm Dia DI Pipes Trench Size



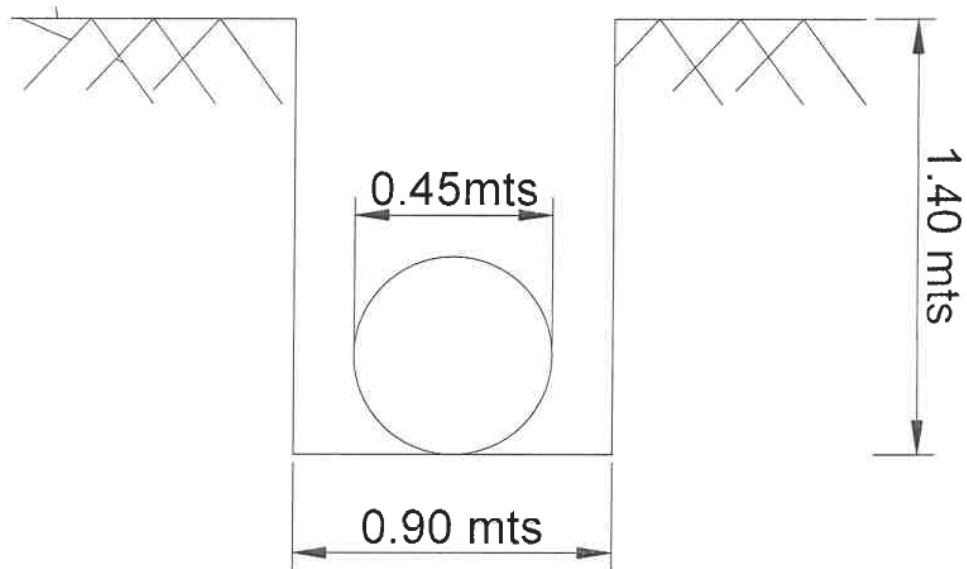
Trench Size 0.90 X 1.40

T.V. Vam
AEE/2024/1000 Sp1

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450mm Dia DI Pipes Trench Size



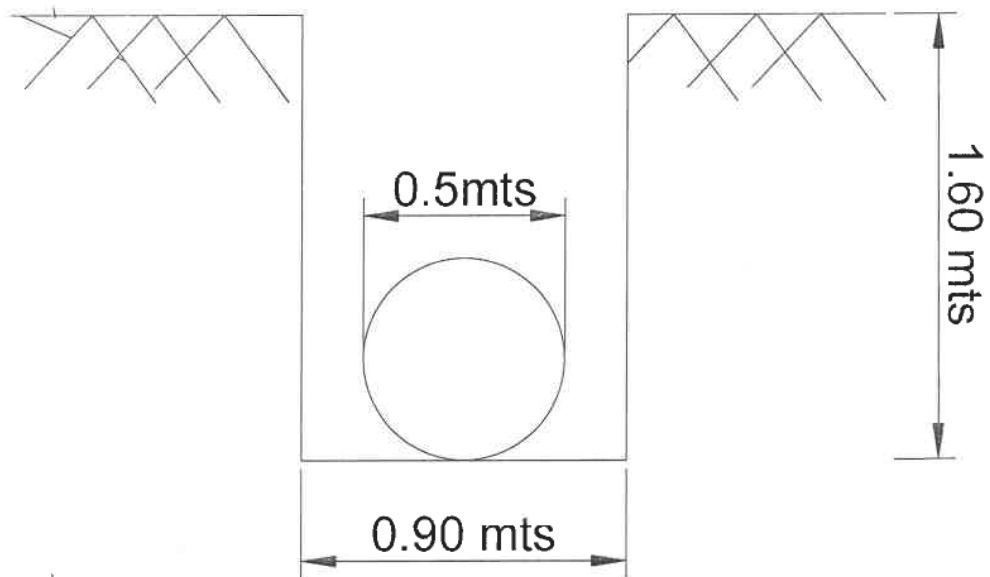
Trench Size 0.90 X 1.40

P. V. V. V.
A. B. E. / R. W. S. / S. / A. N. A. K. A. P. A. L. L. I.

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Executive Engineer
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13/03/2025

500mm Dia DI Pipes Trench Size



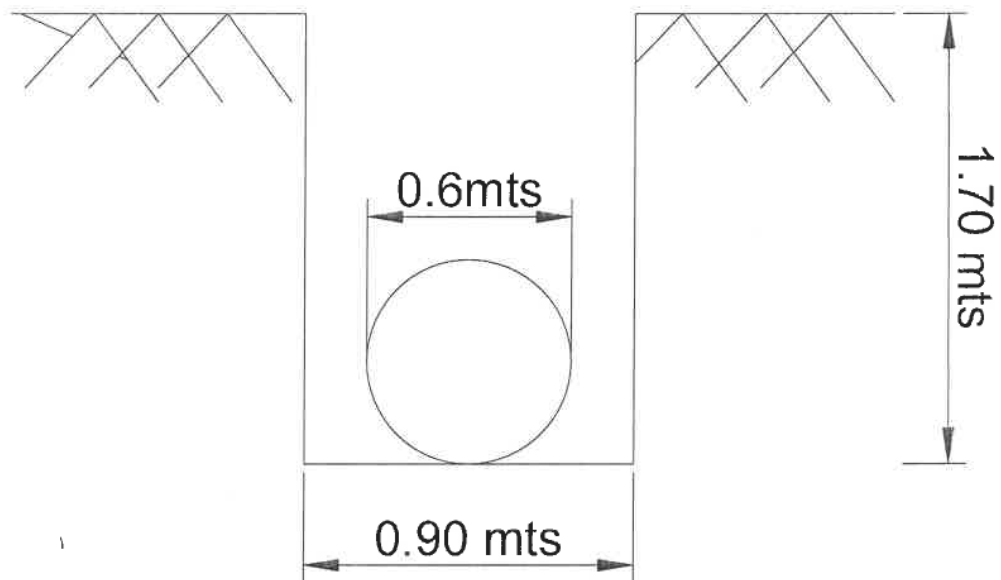
Trench Size 0.90 X 1.60

T. Vemip
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600mm Dia DI Pipes Trench Size



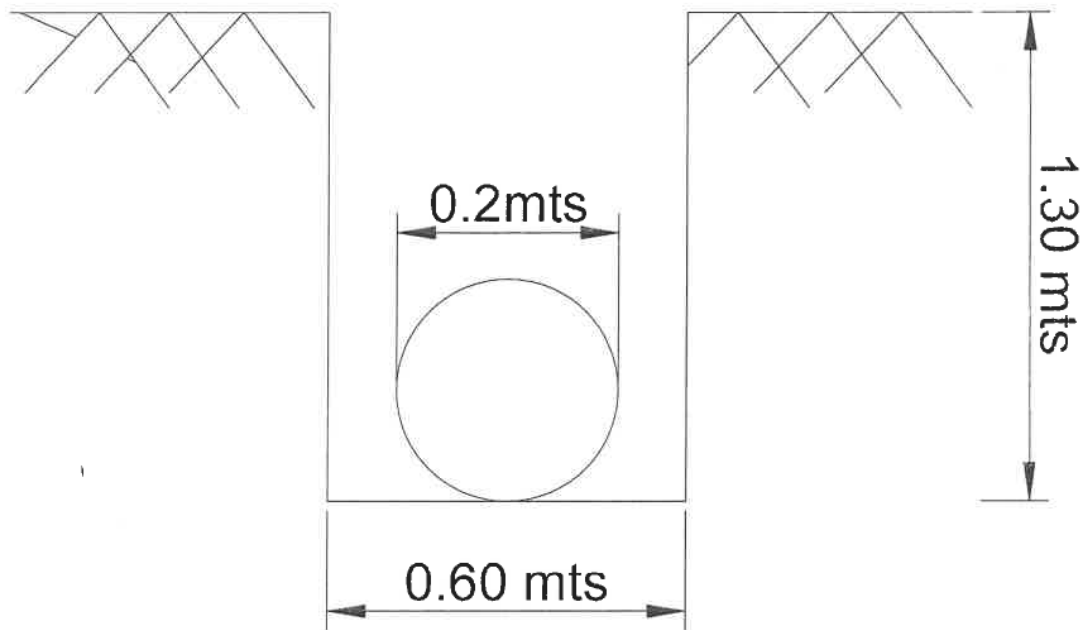
Trench Size 0.90 X 1.70

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200mm Dia DI Pipes Trench Size



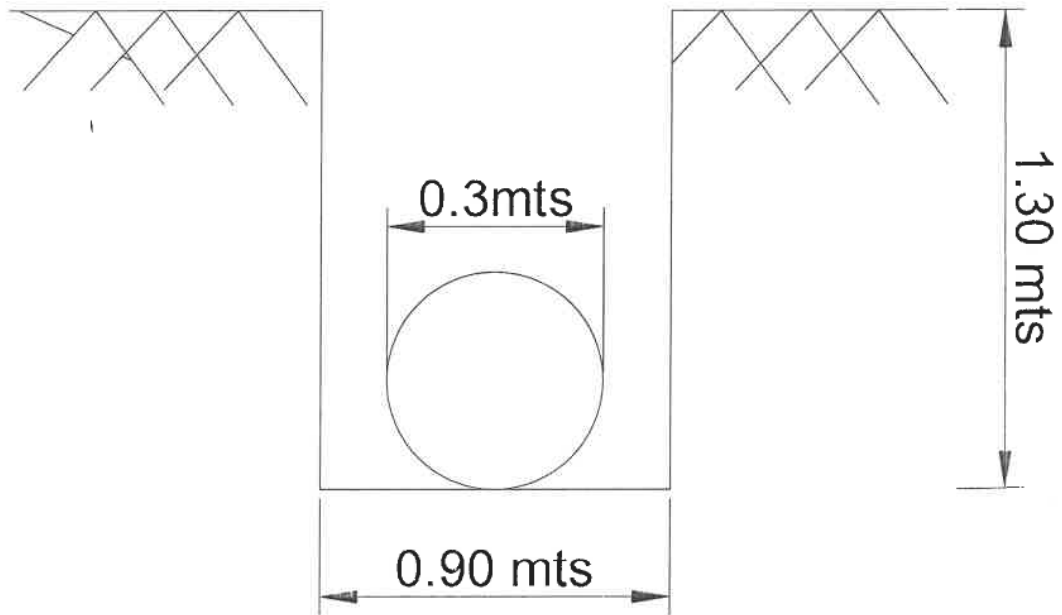
Trench Size 0.60 X 1.30

T. V. V. V.
Deputy Executive Engineer
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Anakapalli Dist.

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Executive Engineer
RWS & S, Anakapalli

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300mm Dia DI Pipes Trench Size



Trench Size 0.9 X 1.30

T. V. V. V.
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Executive Engineer
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13/03/2025

Horizontal Directional Drilling Methodology

Horizontal Directional Drilling (HDD) is a technique for installing product pipes, including utility lines, below ground using a surface-mounted drill rig that launches and places a drill string at a shallow angle to the surface and has tracking and steering capabilities.

What is directional drilling?

Simply put, directional drilling allows technicians to drill in a horizontal direction without having to dig across an expanse of soil, opening up new possibilities for locating pipes for utilities. In the past, the only option for installing piping was to essentially destroy the landscape, while a large, obtrusive crew and their equipment overtook the property and spent weeks digging trenches for pipe installation. Directional drilling revolutionized this process.

How does horizontal directional drilling work?


The compact drill allows a small crew comprised of one drill and one tracking operator to quickly set up shop. The drill head is electronically wired for tracking, so that the operator can monitor where it's headed and the pressure extends. As the drill bores into the ground, a solution made up of bentonite polymer follows it to ensure stability of the hole. Once the drill bit creates an underground, semi-circle arc and exits the ground, a reamer is sent back through to enlarge the hole to accommodate the piping. Lastly, installing the polyethylene piping requires the crew to fuse the lengths together, which is then heated until a seamless connection is made along the entire length of piping.

The advantages of using horizontal drilling include:

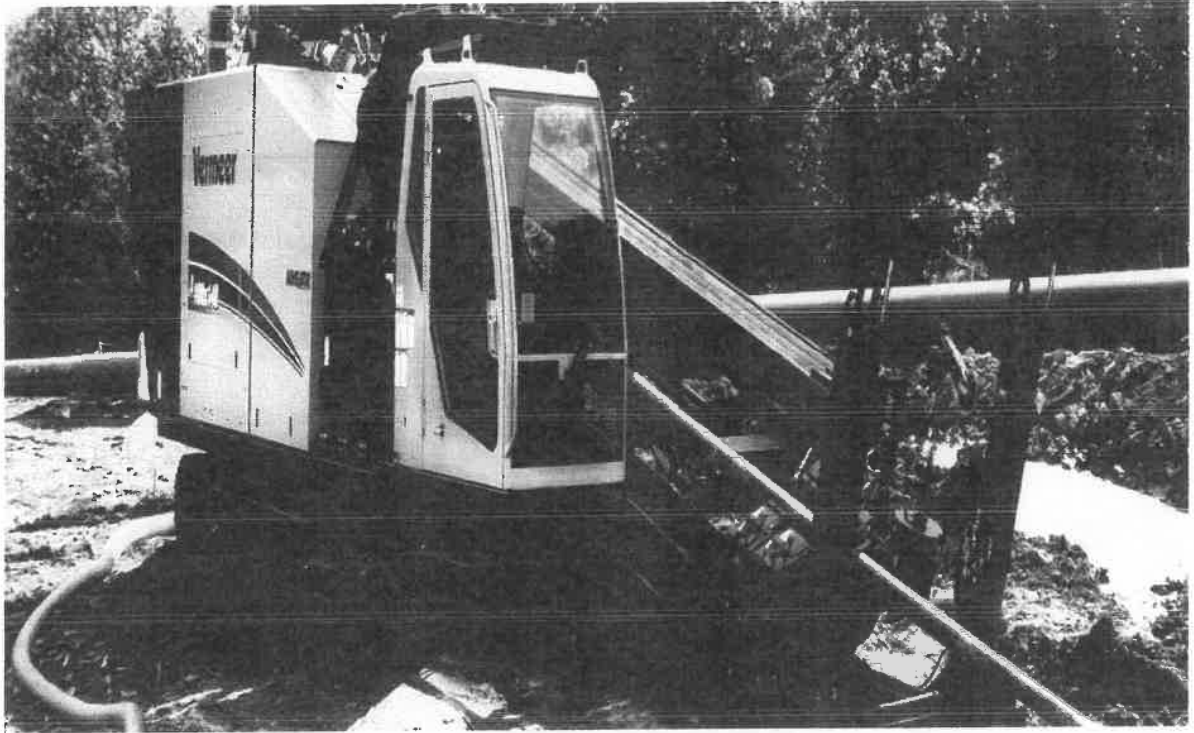
- Durability, as the pipes are very strong
- Quicker Installation with less disruption to landscaping
- Lower installation cost with a smaller crew
- Flexibility, as the system can be installed nearly anywhere
- Negligible soil contamination, as the impenetrable pipe connections are lasting.

There are 4 Stages in the Horizontal Directional Drilling Process.

- Stage 1-Drilling the Pilot Hole
- Stage 2-Pre-Reaming the horizontal boring Stage
- Stage 3-Pullback Operations
- Stage 4-Installation of Conduits


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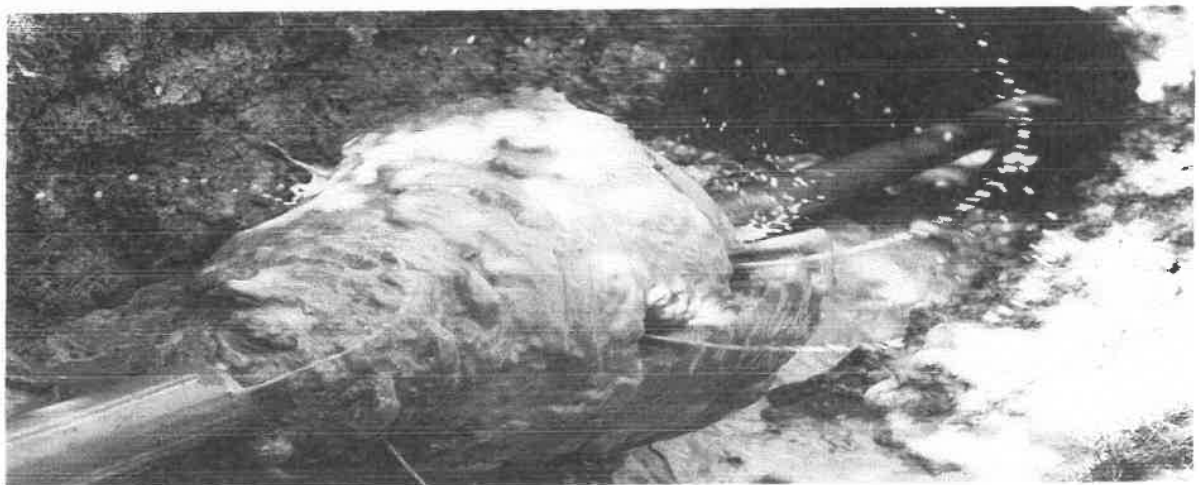
Stage 1 of the Horizontal Directional Drilling Process-Drilling the Pilot Hole:



Directional drilling the pilot hole

The first stage of a successful Horizontal Directional Drilling Process is drilling a pilot hole. A pilot hole is horizontally drilled and continues under and across the obstacle along a predetermined design path. An electronic transmitter is placed in a housing which is directly behind the directional drilling cutting head. The transmitter sends a signal to the surface which is read by the receiver, which then transmits the information back to the direction.

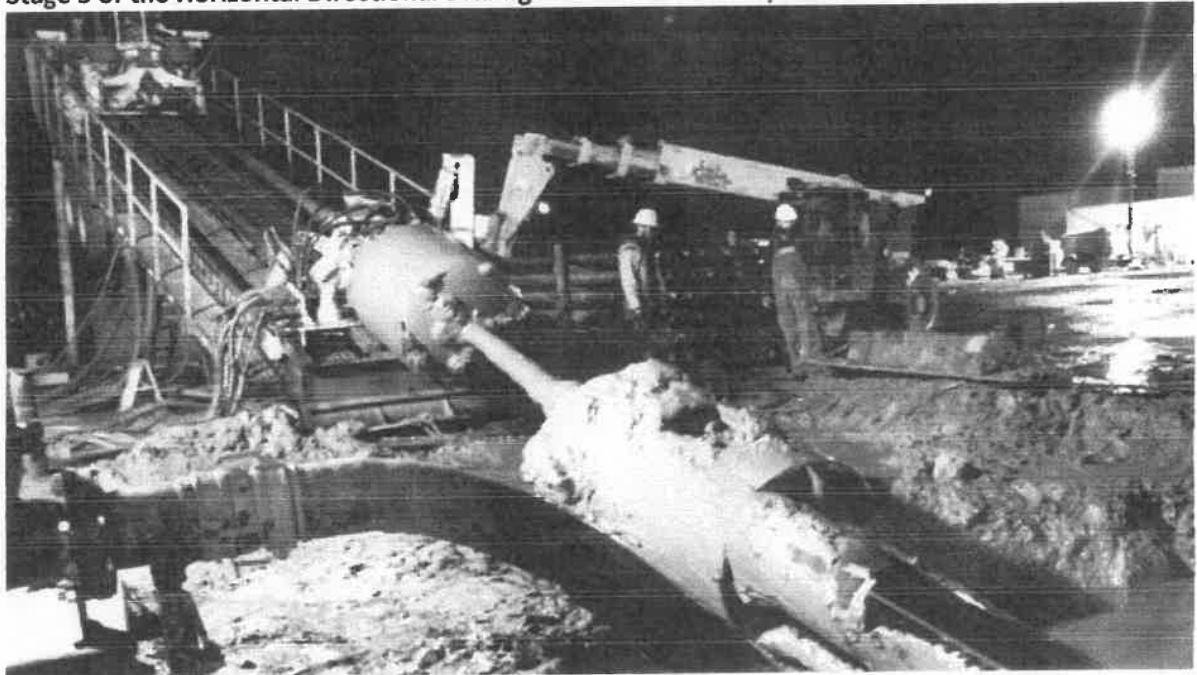
Stage 2 of the Horizontal Directional Drilling Process-Pre-reaming the Horizontal Boring:



Directional drilling pre-rea

Once the pilot hole has been completed, the borehole must be enlarged to a suitable diameter for the product pipeline. This is accomplished in the second stage of the Horizontal Directional Drilling Process by "pre reaming" the horizontal boring to successively larger diameters. Generally, the reamer is attached to the drill string on the opposite end of the borehole from the drill and pulled back into the pilot hole. Slurry is pumped into the directionally drilled borehole to maintain the integrity of the hole and to flush out cuttings.

Stage 3 of the Horizontal Directional Drilling Process-Pullback Operations:

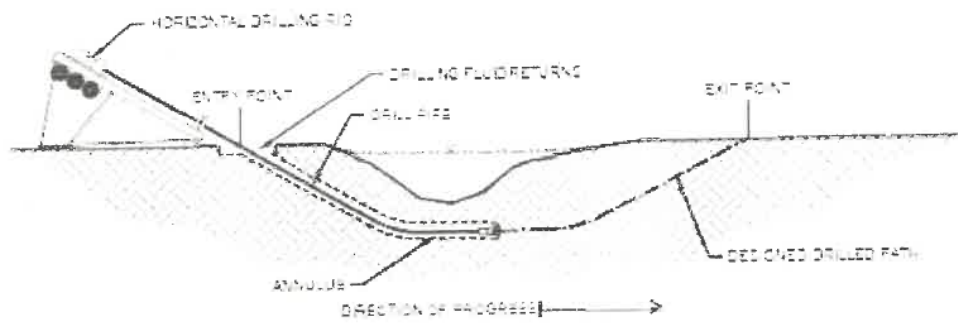


Directional drilling the pull back

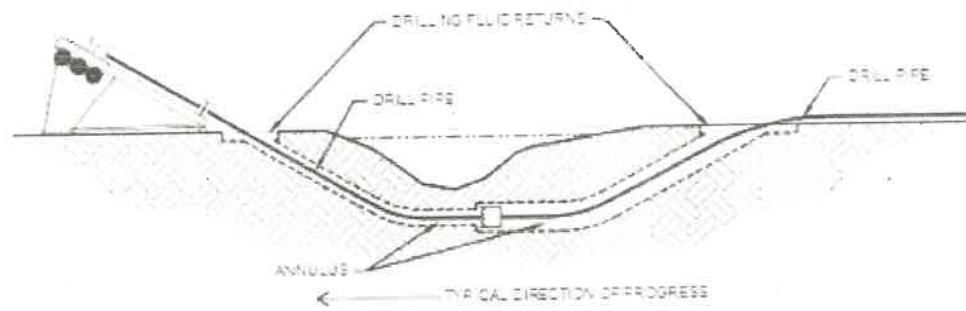
Stage 3 of the horizontal directional drilling process is pullback. Once the directionally drilled hole is enlarged, the conduit can be pulled through it. The pipeline is prefabricated at the end of the bore opposite the drill rig. A reamer is attached to the drill string, and then connected to the product by a pulling head and swivel. The swivel allows for the reamer to turn without the product turning. The directional drilling rig then begins the pullback operation, rotating and pulling on the drill string as well as circulating drilling fluids. The pullback continues until the reamer exits the bore path by the directional drill rig and the pipeline is in place.

Stage 4 of the Horizontal Directional Drilling Process - Installation of Conduits:

If the horizontally bored conduit is to carry power lines, fiber optic cable, or some other product, an aircraft cable is inserted into the pipe prior to pulling into position. After the pipe installation, the directional drill rig is used to pull the product into position within the pipe. This final step in the Horizontal Directional Drilling Process includes pressure testing.



PREREAMING



PULLBACK

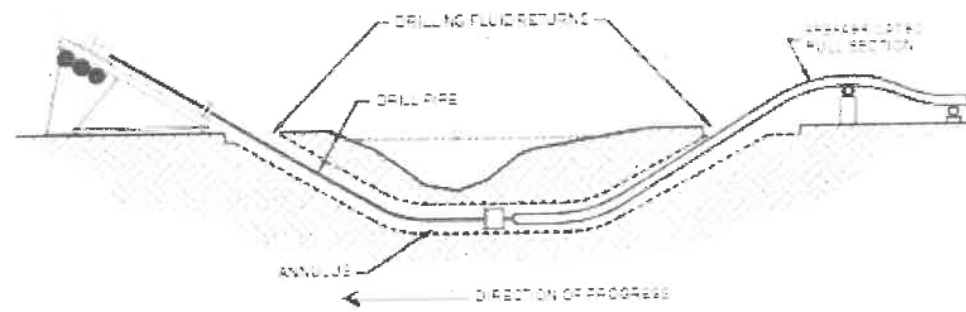


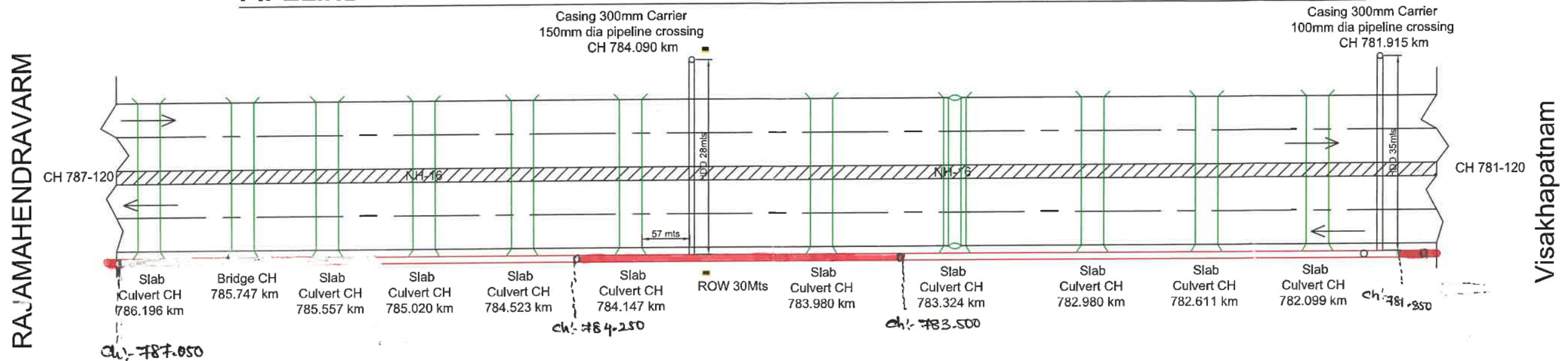
Figure 1
The HDD Process

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13/03/2025

PLAN SHOWING THE PROPOSAL OF LAYING 250mm & 300mm dia DI K-7 WATER PIPELINE ALONG NH-16 CH 781.120 TO CH 787.120, CROSSING AT 781.915 AND 784.090.



LENGEND	
	Proposed DI Pipeline (Open Deck)
	Proposed Pipeline Crossing
	CL of National Highway
	Slab Culvert/ Bridge
	Pipe Culvert
	ROW Stone

Proposed DI Pipeline (HDD)

S.no	Content	Description
1	National Highway No	16
2	State	Andhra Pradesh
3	Name of Work	"CPWS scheme to Nakkapalli, Payakarapeta & S. Rayavaram mandals in Anakapalli district of Andhra Pradesh". Providing water supply pipe line of 250mm dia, 300mm dia, 400mm dia, 450mm dia, 500mm dia DI K7 clear water gravity main laying at chainage 781.120 to 799.20 KM, crossings at 781.915, 784.090, 787.487, 790.660, 791.096, 792.939, 793.807, 797.734, 799.181 KM (LHS to RHS) in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakapalli District, Andhra Pradesh.
4	Name of the Department	Government of Andhra Pradesh- Rural Water Supply & sanitayion Department.
5	Name of Executing Agency	Executive Engineer, Rural Water Supply & sanitayion Department Anakapalli Division, Anakapalli District.
6	Location and Chainage of Laying of Pipeline	Adduroad Junction Rajamahendravarm - Visakhapatnam section Anakapalli District 1) 781.120 km to 787.120 (LHS) 2) Road Crossing CH-781.915, CH-784.090
7	Total Length of Pipeline to be Laid along ROW of NH and across NH	6.000 km Along ROW and 35 mts crossing NH

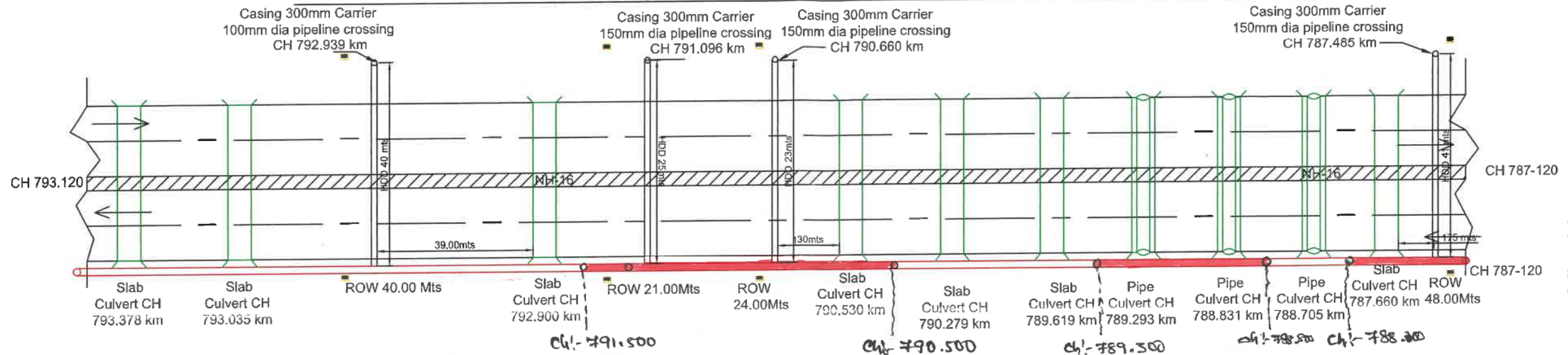
Manager (Tech)
NHAI-PIU
RAJAMAHENDRAVARAM

Project Director
NHAI-PIU
RAJAMAHENDRAVARAM

Deputy Executive Engineer
R.W.S.&S.
Nakkapalli Sub-Division
Anakapalli Dist.

Executive Engineer
RWS & S, Anakapalli
13/03/2025

**PLAN SHOWING THE PROPOSAL OF LAYING 300mm, 400mm & 450mm dia DI K-7 WATER PIPELINE ALONG NH-16
CH 787.120 TO CH-793.120, CROSSING AT 787.485, 790.660, 791.096, 792.939.**



LENGEND	
	Proposed DI Pipeline (Open)
	Proposed Pipeline Crossing
	CL of National Highway
	Slab Culvert/ Bridge
	Pipe Culvert
	ROW Stone

Proposed DI Pipeline (100)

S.no	Content	Description
1	National Highway No	16
2	State	Andhra Pradesh
3	Name of Work	"CPWS scheme to Nakkapalli, Payakarapeta & S. Rayavaram mandals in Anakapalli district of Andhra Pradesh". Providing water supply pipe line of 250mm dia, 300mm dia, 400mm dia, 450 mm dia, 500mm dia DI K7 clear water gravity main laying at chainage 781.120 to 799.20 KM, crossings at 781.915, 784.090, 787.487, 790.660, 791.096, 792.939, 793.807, 797.734, 799.181 KM (LHS to RHS) in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakapalli District, Andhra Pradesh.
4	Name of the Department	Government of Andhra Pradesh- Rural Water Supply & sanitayion Department.
5	Name of Executing Agency	Executive Engineer, Rural Water Supply & sanitayion Department Anakapalli Division, Anakapalli District.
6	Location and Chainage of Laying of Pipeline	Adduroad Junction Rajamendravarm - Visakhapatnam section Anakapalli District 1) 787.120 TO 793.120 km (LHS) 2) Road Crossing CH-787.485, CH-790660, CH-791.096 & CH-792.939.
7	Total Length of Pipeline to be Laid along ROW of NH and across NH	6.000 km Along ROW and 41mts crossing NH

Schuy
Manager (Tech)
NHAI-PIU
RAJAMAHENDRAVARAM

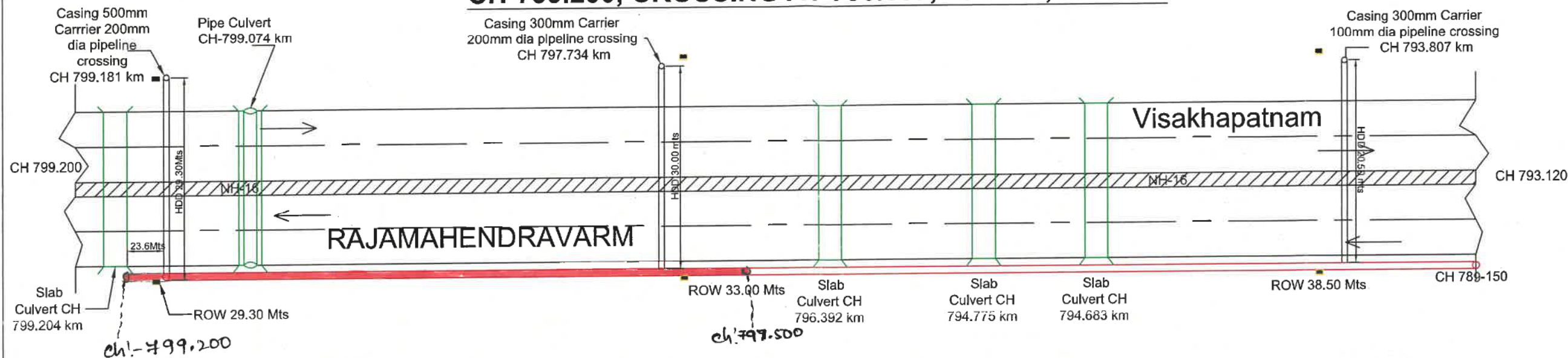
Weth
Project Director
NHAI-PIU
RAJAMAHENDRAVARAM

T. Vamigh
AEE / RWS & S / N'ap sp1

Deputy Executive Engineer
Deputy Executive Engineer
R.W.S.&S.
Nakkapalli Sub-Division
Anakapalli Dist.

Executive Engineer
Executive Engineer
RWS & S, Anakapalli
13/03/2025

PLAN SHOWING THE PROPOSAL OF LAYING 500mm dia DI K-7 WATER PIPELINE ALONG NH-16 CH 793.120 TO CH-799.200, CROSSING AT 793.807, 797.734, 799.181.



LENGEND	
	Proposed DI Pipeline (Open Trench)
	Proposed Pipeline Crossing
	CL of National Highway
	Slab Culvert/ Bridge
	Pipe Culvert
	ROW Stone
	Proposed DI pipeline (HSD)

S.no	Content	Description
1	National Highway No	16
2	State	Andhra Pradesh
3	Name of Work	"CPWS scheme to Nakkapalli, Payakarapeta & S. Rayavaram mandals in Anakapalli district of Andhra Pradesh". Providing water supply pipe line of 250mm dia, 300mm dia, 400mm dia, 450 mm dia, 500mm dia DI K7 clear water gravity main laying at chainage 781.120 to 799.20 KM, crossings at 781.915, 784.090, 787.487, 790.660, 791.096, 792.939, 793.807, 797.734, 799.181 KM (LHS to RHS) in the limits of ROW boundary of NH 16. in the limits of ROW boundary of NH 16 along uddandapuram to Dharmavaram village, Anakapalli District, Andhra Pradesh.
4	Name of the Department	Government of Andhra Pradesh- Rural Water Supply & sanitayion Department.
5	Name of Executing Agency	Executive Engineer, Rural Water Supply & sanitayion Department Anakapalli Division, Anakapalli District.
6	Location and Chainage of Laying of Pipeline	Adduroad Junction Rajamendravarm - Visakhapatnam section Anakapalli District 1) 793.120 TO 799.200km (LHS) 2) Road Crossing CH-793.807, CH-797.734, CH-799.181.
7	Total Length of Pipeline to be Laid along ROW of NH and across NH	6.080 km Along ROW and 30m crossing NH

S. V. V. V.
Manager (Tech)
NHAI-PIU
RAJAMAHENDRAVARAM

Leeth
Project Director
NHAI-PIU
RAJAMAHENDRAVARAM

T. V. V. V.
AEE / RWS & S / NAKP

Deputy Executive Engineer
R.W.S.&S.
Nakkapalli Sub-Division
Anakapalli Dist.

A. A. A. A.
Executive Engineer
RWS & S, Anakapalli
13/03/2025