



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/21011/10/2021/ 588

Dt.23.02.2022

To,

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

Sub: Grant of ROW permission for laying of Water Pipeline (700 mm Dia DI pipeline) along NH-40 in Kadapa - Kurnool section from Km 40+300 to Km 52+000(RHS) and across the road from Km.51+900 to Km.52+000 (Total Length - 11850 m) - Public comments - Reg.

Sir,

Please find enclosed herewith a proposal of RWS&S seeking ROW permission for laying of Water Pipeline (700 mm Dia DI pipeline) along NH-40 in Kadapa - Kurnool section from Km 40+300 to Km 52+000(RHS) and across the road from Km.51+900 to Km.52+000 (Total Length - 11850 m) by RWS&S

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

Encl: As above

Yours faithfully,

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

Copy to: PD, PIU - Tirupati



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

Lr.No.NHAI/RO-VJA/TPTY/NOC/2016/ 589

Dt.24.02.2022



INVITATION OF PUBLIC COMMENTS

Sub: Grant of ROW permission for laying of Water Pipeline (700 mm Dia DI pipeline) along NH-40 in Kadapa - Kurnool section from Km 40+300 to Km 52+000(RHS) and across the road from Km.51+900 to Km.52+000 (Total Length - 11850 m) - Public comments - Reg.

The Project Director, PIU - Kadapa submitted a proposal of RWS&S Department seeking grant of permission for laying of Water Pipeline (700 mm Dia DI pipeline) along NH-40 in Kadapa - Kurnool section from Km 40+300 to Km 52+000(RHS) and across the road from Km.51+900 to Km.52+000 (Total Length - 11850 m).

As per MORTH guidelines vide letter No. RW/NH-33044/29/2015/S&R® dated 22nd November 2016, the Highway Administration will put out the application along with observations of RO on the proposal 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,
Plot No.21, Teachers' Colony, Gurunanak Nagar Road,
Vijayawada, Andhra Pradesh. Pin: 520 008.
Email: rovijayawada@nhai.org**

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



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India
(Ministry of Road Transport & Highways, Govt. of India)
Project Implementation Unit, KADAPA
D.No. 36/208/40-5, Ganga Vihar,
Reddy Colony, Chinna Chowk,
KADAPA - 516 002. YSR Dist, A.P.

Ph: 08562-253353
E-mail: kadapanhai@gmail.com
piukadapa@nhai.org

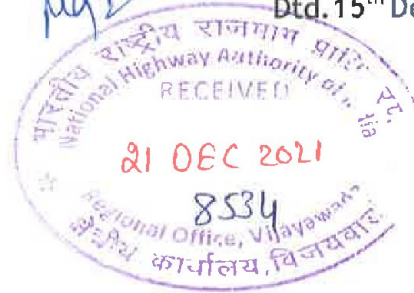


भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

Ref.: NHAI/PIU-KDP/BOT/RWS&S/2021/12202

Dtd. 15th December, 2021

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



Sub: NHAI, PIU-Kadapa - Design Engineering, Financing, Procurement, Construction, Operation & Maintenance of 4 laning of Cuddapah-Kurnool section of NH-18 from the existing Km 167.750 to Km 356.502 in the State of Andhra Pradesh under NHDP Phase-III on BOT Basis - RoW permission for Laying of Drinking Water Supply pipeline along the road NH-40 from Km.40/3 to Km.52/0 on RHS, from Km.51/9 to 52/0 total length at different locations of RoW applied for 11.850 Kms (11850 mtrs) - Request for In-Principle approval - Reg.

Ref: 1. M/s. Aarvee Associates Letter No. AA/Nandyal/982/CK-10/6281, dt.28.10.2021
2. M/s. REPL, Nandyal Letter No. REPL/O&M/IC/10/2021/1170, dt.26.10.2021
3. M/s. RWS&S Kurnool Division Letter No. Nil, dtd.27.07.2021 received on 30.08.2021

Sir,

1) It is to submit that, the Executive Engineer, RWS&S, Kurnool Division vide reference 3rd cited has submitted the proposal for laying of water supply pipeline by providing 700mm dia DI pipeline along the project Highway from Km.40/3 to Km.52/0 on RHS and across the road at Km.51/9 to Km.52/0 on Kadapa - Kurnool section of NH-40 and requested for approval.

2) In this regard, PIU vide letter no. NHAI/PIU-KDP/BOT/RWS/2020/11909, dtd.30.08.2021 has forwarded the proposal to IE, M/s. Aarvee Associates and requested to examine the same as per site conditions and with reference to MoRTH Circular, F. No. RW/NH33044/29/2015/S&R, dtd.22.11.2016 and offer their comments/recommendations for processing the proposal.

3) Accordingly, M/s. Aarvee Associates vide letter no. AA/Nandyal/982/CK-10/6281, dtd.28.10.2021 has submitted report stating that, the applicant has submitted the checklist for laying of 700mm dia DI pipeline from Km.40/3 to 52/0 on RHS side of the Road and across National Highway at Km.51/9 to Km.52/0. The information furnished in the checklist is satisfying all conditions of MoRTH Circular dated 22.11.2016.

4) Further, the applicant has submitted the undertakings for;

- (i) For submission of Performance Bank Guarantee @ Rs.100/- per route meter for = 700mm dia for drinking water pipe line for a period of one year after obtaining the approval.

Contd...2

Building a Nation. Not Just Roads

// 2 //

- (ii) Not to damage other utility, if damaged, then will pay the losses either to NHAI or concerned agency.
- (iii) Confirming to all standard conditions of NHAI guidelines.
- (iv) Shifting of drinking water pipeline as and when required by NHAI at applicant's own cost.
- (v) Shifting of pipeline due to 6-laning/widening of NH.
- (vi) Traffic movement during laying of water pipeline to be managed by the applicant.
- (vii) If any claim raised by the Concessionaire, then, the same has to be paid by the applicant.
- (viii) Prior approval of NHAI shall be obtained before undertaking any work of installation, shifting or repairs or alterations to the water pipeline located in National Highway Right of Way.
- (ix) Indemnify against all damages and claims clause (xv).
- (x) Expenditure, if any incurred by NHAI for repairing any damage caused to the National Highway while laying, maintenance or shifting of pipeline will be borne by the agency owning the line.
- (xi) If NHAI considers it is necessary in future to move the utility line for any work of the improvement or repairs to the road, it will be carried out as desired by NHAI at the cost of the agency owning to the utility line within a reasonable time (not exceeding 60 days) of the intimation given.
- (xii) For renewal of BG when asked by MoRTH/NHAI.
- (xiii) That text of the license deed is as per verbatim of MoRTH format issued vide Ministry's Circular no. RW/NH/33044/29/2015/S&R dated 22.11.2016.
- (xiv) As per the plan submitted, the applicant has proposed to lay pipeline along the Highway from Km.40/3 to 52/0 on RHS side of the Road and across National Highway at Km.51/9 to Km.52/0 highway with Horizontal Direction Drilling (HDD) method.



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// 3 //

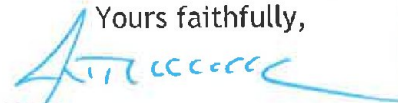
(xv) Applicant submitted methodologies for laying of 700mm dia DI water supply pipeline with Open cut/ HDD or any other suitable method across Highway.

5) IE has informed that, the proposal was found to be in order and recommended for approval of Competent Authority of NHAI on the subject proposal. The proposal furnished by the RWS&S Department and Checklist submitted by the IE has been scrutinized in this office and found to be in order.

6) In view of the above, the proposal for laying of Water supply pipeline, by providing 700mm dia DI pipe line along Highway from Km.40/3 to Km.52/0 on RHS and across the road at Km.51/9 to Km.52/0 is herewith recommended with a request to communicate the approval of Competent Authority of NHAI, at an early date.

Regards,

Yours faithfully,



(GVT Balarama Krishna)
DGM (Tech.) & Project Director

Encl: As above

Rayalseema Expressway Private Limited

Registered Office :

Door No. 80/40/SP/56-65, Shilpa Homes Layout,
Gachibowli, Hyderabad, Telangana - 500032

CIN: U74900TG2009PTC063995

Corporate Office :

Unit No. 703, 7th Floor, Tower 3,
Equinox Business Park, Off BKC,
LBS Marg, Mumbai - 400 070

Site Office :

Chapirevula Toll Plaza, KM 288+500
Office Control Building, NH-40 Highway,
Chapirevula (V), Nandyal (M), Kurnool Dist.,
Andhra Pradesh - 518 502

Tel +91 (22) 6210 4100

Fax +91 (22) 6210 4150

Email repl@peakinfra.com

Date: 26.10.2021

Ref: REPL/O&M/IC/10/2021/1170

To,
The Team Leader,
Independent Engineer,
Aarvee Associates Architects Engineers & Consultants Pvt. Ltd.
Plot No.225, Lalitha Nagar,
NGO's Colony, Nandyal - 518 502,
Kurnool (Dist).

Sub: Design Engineering, Financing, Procurement, Construction, Operation and Maintenance of for four laning of Kadapa - Kurnool section of NH-18 from the existing Km: 167.750 to Km: 356.502 in the state of Andhra Pradesh under NHDP Phase-III BOT Basis - **Request for RoW permission for laying of Drinking Water Supply pipe line along the road NH-40 from Km. 40/3 to Km. 52/0 on RHS, from Km. 51/9 to 52/0 total length at different locations of RoW applied for 11.850 Kms (11850 mtrs).**

Ref: NHAI Letter No: NHAI/PIU-KDP/BOT/RWS/2021/11909, Dated: 30.08.2021.
Your Letter No. AA/Nandyal/982/CK-09.0/6229, Dated: 31.08.2021

Dear Sir,

This has reference to above subject and in compliance to the reference cited, we would like to inform that, a joint inspection has been done with the representatives of Concessionaire, IE and RWS Authorities and it is observed that, there is existing ATMS OFC line, Plantation and utilities are observed on LHS at this location and the slip road construction works also going on at this location and the electrical tower also erected at the centre of the slip road which is obstructed for construction of slip road works.

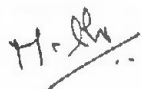
Hence, it is requested to inform the concerned RWS Authorities, while laying of RWS pipe line, there should not be any damage of our existing ATMS OFC Cable, Plantation and utilities. If any damage occurs at the time of execution the same should be rectified by M/s. RWS and Authority may take undertaking from the Agency.

Before starting the work requesting you to give prior information, so that we will send our representative to monitor the work.

This is for your kind information and further action please.

Yours Sincerely,

For Rayalseema Expressways Private Limited.,



M. Raja Rao
Authorised Signatory

Encl: As Above.

CC: 1. The Project Director, NHAI, Kadapa.

CHECK LIST

Guidelines for processing the proposal for laying of utility line in the land along National Highways vested with NHAI /PWD/BRO

Sl No	Item		Remarks
1	General Information	Providing Drinking water supply to Dhone Constituency of Kurnool district	-
1.1	Name and Address of the Applicant/Agency	Executive Engineer, RWS&S Division Kurnool.	-
1.2	National Highway Number	NH-40	-
1.3	State	ANDHRA PRADESH	-
1.4	Location	near SRBC canal Panyam (NH-40) (ch : 51/900 to 52/000)	Road crossing location
1.5	chainage/K.m	NH-40 (ch : 40/300 to 52/00 KM) 11700mts along the Road and 51/900 To 52/000 One no.of Road crossings 1x150mts (11700mts+1x150mts)	40.300 (316.202) to 52.00 (315.650)
1.6	Length in Meters	NH-40 11700m	11700
1.7	Width of available ROW		
	a) Left side from center line towards increasing chainage /km direction	30M	30m
	b) Right side from center line towards increasing chainage /km direction	30 M	30m
1.8	Proposal to lay the utility		
	a) Left side from center line towards increasing chainage /km direction	-	-
	b) Right side from center line towards increasing chainage /km direction	Yes as per the Drawings attached (utility Corridor)	Drawings enclosed
1.9	proposal to acquire the land	NA	
	a) Left side from center line	-	Nil
	b) Right side from center line	-	Nil
1.10	whether proposal is in the same side where land is not to be acquired	NA	
	if not then where to lay the cable		Not applicable
1.11	Details of already laid services, if any along the proposed route	NO	ATMS and other utility services
1.12	Number of Existing lanes (2,4,6,8 lanes)	4 lane	40.300 (316.202) to 52.00 (315.650)
1.13	proposed number of lanes (2 lane with paved shoulders/4/6/8 lanes)	NA	Not applicable
1.14	Service road existing or not	Yes	
	if YES then which side		
	a) Left side from center line	13M to 16M	25-27 m outer edge of service road
	b) Right side from center line	13M to 16M	
1.15	Proposed Service road	NA	
	a) Left side from center line		Not applicable
	b) Right side from center line		Not applicable

H-24

SI No	Item		Remarks
1.16	Whether proposal to lay the utility is after the service road or between the service road and main carriageway	After Service Road	After Service Road
1.17	Whether carrying of water pipeline has been proposed on highway/bridges if YES then mention the methodology proposed for the same	Na	Not applicable
	Whether carrying of water pipeline has been proposed on the parapet/any part of the bridges. if YES then mention the methodology proposed for the same	Na	Not applicable
	a)whether the existing drainage structures are allowed to carry the utility pipeline	NA	Not applicable
	b)is it on a line normal to the NH	Yes	Yes
	c)What is the distance of crossing the utility pipelines from the existing structures crossing shall not be too near the existing structures on the national highway.the minimum distance being 15 meter	NA	Not applicable
	d)The casing pipe carrying the utility line shall be of steel, cast iron or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of carrier pipe/cable	yes	Yes
	Mention type of casing	MS PIPE LINE	MS PIPE LINE
	e)Ends of the casing pipe shall be sealed from the outside,so that it doesnot act as a drainage path	Yes	Yes
	g) The top of the casing pipe should be atleast 1.2 meter below the surface of the road subject to being at least 0.3 meter below the drain inverts	Yes	Yes
	mention the proposed details		-
	h)Mention the methodology proposed for crossing of road for the proposed Water pipe line .Crossing shall be by boring method HDD.specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	H.D.D	H.D.D
	i)The casing pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a water way along it		-
1.18	No of applications on the same stretch	1	1
1.19	Whether the case of multiple licenses	No	No
1.2	if so furnish a joint implimentation programmer to lay their respective ducts within stipulated time frame	NA	Not applicable
	If crossing of the road involved If YES ,it shall be through trench less technology	Yes By HDD method	As per the methodology submitted
2	Document /Drawing to be enclosed with the proposal	Yes Enclosed	Yes
1.1	crosssection showing the size of the trench for open trenching method	Enclosed	Yes
	is it normal size of 1.2m deep X 0.3meter wide		-

M-01

SI No	Item		Remarks
2.2	Cross section showing the size of the pit and location of cable for HDD method	Yes Enclosed	Enclosed
2.3	Strip plan/route plan showing the utility/Gas Pipeline chainage Width of ROW distance of proposed pipeline from the edge of ROW. Important mile stone Intersections ,cross drainage works etc...	Yes Enclosed as per Drawing	Yes
2.4	Methodology for laying of the utility pipeline	Enclosed	Enclosed
2.4.1	open trenching method.(May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type	Back Fill the Soil excavated with compaction @ every 300mm	Utility laying in soil on only for Road Crossing
2.4.2	Horizontal Directional Drilling method(HDD method)	only for Road Crossing	
2.4.3	methodology for laying of the pipeline through CD works and method of laying	NA	Not applicable
	in cases where the carrying of water pipeline on the bridge becomes inescapable		-
3	draft license agreement is signed by two witnesses	Enclosed	Enclosed
4.1	Proformance Bank Gurantee		-
4.2	confirmation of BG has been obtained or not as per MORTH /NHAi guide lines	BG shell be submitted as per NHAi Guidelines	BG to be submitted
5	Affidafit /undertaking from the applicant from the following is to be furnished	Yes Enclosed	Enclosed
5.1	Undertaking for not to damage any other utility ,if damaged then to pay the losses eithe to NHAi or to the concerned agency	Yes Enclosed	Enclosed
5.2	Undertaking for renewal of BG as when asked by MORTH/NHAi	yes will be obtain after submission of BG	BG to be submitted
5.3	Undertaking for confirming all standandard condition of Minsttry /NHAi guide lines	Yes Enclosed	Enclosed
5.4	Shifting of OFC as and when required by Nhai		Applicant has to shift
5.5	Shifting due to 6 lanning/widening of NH		Applicant has to shift
5.6	Undertaking for indemnity agaisst all damages and claims	Yes Enclosed	Enclosed
5.7	Uddertaking for management of traffic moment during laying of utility line witout hampering the traffic	Yes Enclosed	Enclosed
5.8	Undertaking that if any claim is raised by the concessionaire /contractor then the same ha to be paid by applicant		to be submitted
5.9	Undertaking that text of the License dead is as per verbatim of MORTH format issued Vide Ministry's Circular No:RW/NH-33044/29/2015/S&R(R)DATED 22-11-2016		
	certificate from the applicat in the following format		
	ii)"we do undertake that I /we will relocate service road /approach road /utlities ay my/our own cost not withstanding the permission granted within such time as will be stipulated by NHAi for future six laneing/any other development"		

Sl No	Item		Remarks
	who will sign the agreement on behalf of Water pipeline agency	Executive Engineer, RWS&S Division, Kurnool.	Signed
6	power of attorney to sign the agreement is available or not	Yes	
7	The project director will submit the following certificates		
	certificate that the proposal is confirming to all standard conditions issued vide ministers circular no:RW/NH/33044/29/2015/S&R*DATED 22-11-2016.	Yes	
8	certificate from PD in the following format		
8.1	certificate that the proposal is confirming to all standard conditions issued vide ministers circular no:RW/NH/33044/29/2015/S&R*DATED 22-11-2016.	Yes	
8.2	certificate for six laning from PD in the following format		
	a)where feasibility is available "I do certify that there will be no hindrance to proposed six laning based on the feasibility report considering proposed structures at he said location ".		
	b)In case feasibility report is not available "I do certify that sufficient ROW is available at sight for accommodating proposed six laning"		
9	the agreement fee of Rs.1 shall be charged		
10	If NH section proposed to be taken up by NHAI on BOI basis a clause is to be inserted in the agreement. The permitted Highway on which licensee has been granted the right to lay Gas pipeline /Duct has also been granted as a right of way of to the concessionaire under the concession agreement for upgrading of Kadapa-Kurnool Section from KM 167.750 to KM 356.502 of NH	Yes	
11	who wil supervise the work of laying of Water pipeline.		
	a)onbehalf of the applicant	Dy.Executive Engineer,RWS&S Sub-Division,Dhone water Grid.	
	b)on behalf of MORTH /NHAI		PD, NHAI Concessionaire
12	Who will ensure that the defects in road portion after alying of gas pipeline are corrected and if not corrected then what action will be taken		
	a)onbehalf of the applicant	Executive Engineer,RWS&S Division,Kurnool.	
	b)on behalf of NHAI		PD, NHAI Concessionaire
13	Who will pay the claims for damages done /disruption in working of concesnnaire if asked by the concessionaire		
	on behalf of Applicant	Executive Engineer,RWS&S Division,Kurnool.	Yes
14	A certificate from PD that he will enter the proposed permission in the registerof records of the permissions in the prescribed proforma(copy enclosed)		

Sl No	Item		Remarks
15	if any previous approval is accorded for laying of underground gas pipeline then photocopy of register of records/permissions accorded(as maintained by PD) be enclosed.	No	

Name /Designation/Signature of the

authorized representative of the aplicant

of ch



aarvee associates

architects engineers & consultants pvt. ltd.
An ISO 9001:2015 Certified Company

Letter No. AA/Nandyal/982/CK-10/6281

Dated: 28th October, 2021

To,
The Project Director,
National Highways Authority of India,
Ministry of Road Transport and Highways,
Project Implementation Unit – KADAPA,
Door No. 36/208-40-5, Ganga Vihar, Reddy Colony,
Chinna Chowk, KADAPA – 516 002,
YSR District, Andhra Pradesh.

Sub: Design Engineering, Financing, Procurement, Construction, Operation and Maintenance of 4 laning of Cuddapah – Kurnool section of NH-18 from the existing Km 167.750 to Km 356.502 in the State of Andhra Pradesh under NHDP Phase-III on BOT Basis
Reg: Request for RoW permission for laying of Drinking Water Supply pipe line along the road NH-40 from Km.40/3 to Km.52/0 on RHS, from Km.51/9 to 52/0 total length at different locations of RoW applied for 11.850 Kms (11850 mtrs).

Ref: 1. REPL letter no.REPL/O&M/IC/10/2021/1170, dated 26.10.2021
2. Our letter no. AA/Nandyal/982/CK-09.0/6229, dated 31.08.2021
3. Authority letter no. NHAI/PIU-KDP/BOT/RWS/2021/11909, dated 30.08.2021

Dear Sir,

This has reference to Authority letter no. 11909 cited above, wherein we were requested to examine the proposal for ROW permission for laying of Drinking Water Supply line at various location of the Project Highway.

In view of the above, a joint inspection a conducted with the representative of Concessionaire and RWS Authority during which it was observed that ATMS OFC line, Avenue Plantation and other utilities are already available on the stretches where the permission have been sought for laying water supply line.

Subsequently, Concessionaire vide letter no. 1170 while submitting the verified check for ROW permission for laying of water pipe line, requested to Inform the RWS Authority that in case any damage occur to the Project Highway, RWS Authority will be liable to rectify the damages. However, in their submission, RWS Authorities have already submitted Undertaking stating (point 9) that Expenditure, if any, incurred by NH for repairing any damages caused to NH by laying, maintenance of shifting of the pipe line will be borne by us (RWS Authority) owing the line.

In view of the above, we are hereby enclosing verified checklist for ROW permission for laying of water pipe line for your perusal and necessary action.

With best regards,
for Aarvee Associates Architects Engineers and Consultants Pvt. Ltd.


K. Surendra
Resident cum Highway Engineer

Encl: As above

Copy to:

1. The IE, M/s Aarvee Associates Architects Engineers and Consultants Pvt. Ltd., Hyd.
2. The PD, REPL, H. No. 105, Nandi Green House, Kranti Nagar, Nandyal.

CHECK LIST

Guidelines for processing the proposal for laying of utility line in the land along National Highways vested with NHAI /PWD/BRO

SI No	Item		Remarks
1	General Information	Providing Drinking water supply to Dhone Constituency of Kurnool district	
1.1	Name and Address of the Applicant/Agency	Executive Engineer, RWS&S Division Kurnool.	
1.2	National Highway Number	NH-40	
1.3	State	ANDHRA PRADESH	
1.4	Location	near SRBC canal Panyam (NH-40) (ch : 51/900 to 52/000)	Road crossing location
1.5	chainage/K.m	NH-40. (ch : 40/300 to 52/00 KM) 11700mts along the Road and 51/900 To 52/000 One no.of Road crossings 1x150mts (11700mts+1x150mts)	40.300 (316.202) to 52.00 (315.650)
1.6	Length in Meters	NH-40 11700m	11700
1.7	Width of available ROW		
	a) Left side from center line towards Increasing chainage /km direction	30M	30m
	b) Right side from center line towards increasing chainage /km direction	30 M	30m
1.8	Proposal to lay the utility		
	a) Left side from center line towards increasing chainage /km direction		
	b) Right side from center line towards increasing chainage /km direction	Yes as per the Drawings attached (utility Corridor)	Drawings enclosed
1.9	proposal to acquire the land	NA	
	a) Left side from center line	-	Nil
	b) Right side from center line	-	Nil
1.10	whether proposal is in the same side where land is not to be acquired	NA	
	If not then where to lay the cable		Not applicable
1.11	Details of already laid services, if any along the proposed route	NO	ATMS and other utility services
1.12	Number of Existing lanes (2,4,6,8 lanes)	4 lane	40.300 (316.202) to 52.00 (315.650)
1.13	proposed number of lanes (2 lane with paved shoulders/4/6/8 lanes)	NA	Not applicable
1.14	Service road existing or not	Yes	
	if YES then which side		
	a) Left side from center line	13M to 16M	25-27 m outer edge of service road
	b) Right side from center line	13M to 16M	
1.15	Proposed Service road	NA	
	a) Left side from center line		Not applicable
	b) Right side from center line		Not applicable

H. S.

[Signature]

Sl No	Item		Remarks
1.16	Whether proposal to lay the utility is after the service road or between the service road and main carriageway	After Service Road	After Service Road
1.17	Whether carrying of water pipeline has been proposed on highway/bridges if YES then mention the methodology proposed for the same	Na	Not applicable
	Whether carrying of water pipeline has been proposed on the parapet/any part of the bridges. if YES then mention the methodology proposed for the same	Na	Not applicable
	a)whether the existing drainage structures are allowed to carry the utility pipeline	NA	Not applicable
	b)is it on a line normal to the NH	Yes	Yes
	c)What is the distance of crossing the utility pipelines from the existing structures crossing shall not be too near the existing structures on the national highway.the minimum distance being 15 meter	NA	Not applicable
	d)The casing pipe carrying the utility line shall be of steel .cast iron or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of carrier pipe/cable	yes	Yes
	Mention type of casing	MS PIPE LINE	MS PIPE LINE
	e)Ends of the casing pipe shall be sealed from the outside.so that it doesnot act as a drainage path	Yes	Yes
	g) The top of the casing pipe should be atleast 1.2 meter below the surface of the road subject to being at least 0.3 meter below the drain inverts	Yes	Yes
	mention the proposed details		
	h)Mention the methodology proposed for crossing of road for the proposed Water pipe line .Crossing shall be by boring method HDD.specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	H.D.D	H.D.D
	i)The casing pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a water way along it		
1.18	No of applications on the same stretch	1	1
1.19	Whether the case of multiple licenses	No	No
1.2	if so furnish a joint implimentation programmer to lay their respective ducts within stipulated time frame	NA	Not applicable
	If crossing of the road involved		As per the methodology submitted
	If YES ,it shall be through trench less technology	Yes By HDD method	
2	Document /Drawing to be enclosed with the proposal	Yes Enclosed	Yes
2.1	crosssection showing the size of the trench for open trenching method	Enclosed	Yes
	is It normal size of 1.2m deep X 0.3meter wide		

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[Signature]
NANI

Sl No	Item		Remarks
2.2	Cross section showing the size of the pit and location of cable for HDD method	Yes Enclosed	Enclosed
2.3	Strip plan/route plan showing the utility/Gas Pipeline chainage Width of ROW distance of proposed pipeline from the edge of ROW. Important mile stone Intersections ,cross drainage works etc...	Yes Enclosed as per Drawing	Yes
2.4	Methodology for laying of the utility pipeline	Enclosed	Enclosed
2.4.1	open trenching method.(May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type	Back Fill the Soil excavated with compaction @ every 300mm	Utility laying in soil on
2.4.2	Horizontal Directional Drilling method(HDD method)	only for Road Crossing	only for Road Crossing
2.4.3	methodology for laying of the pipeline through CD works and method of laying	NA	Not applicable
	in cases where the carrying of water pipeline on the bridge becomes inescapable		
3	draft license agreement is signed by two witnesses	Enclosed	Enclosed
4.1	Proformance Bank Guranteed		
4.2	confirmation of BG has been obtained or not as per MORTH /NHAH guide lines	BG shall be submitted as per NHAH Guidelines	BG to be submitted
5	Affidafit /undertaking from the applicant from the following is to be furnished	Yes Enclosed	Enclosed
5.1	Undertaking for not to damage any other utility ,if damaged then to pay the losses eithe to NHAH or to the concerned agency	Yes Enclosed	Enclosed
5.2	Undertaking for renewal of BG as when asked by MORTH/NHAH	yes will be obtain after submission of BG	BG to be submitted
5.3	Undertaking for confirming all standsard condition of Minsttry /NHAH guide lines	Yes Enclosed	Enclosed
5.4	Shifting of OFC as and when required by Nhai		Applicant has to shift
5.5	Shifting due to 6 lanning/widening of NH		Applicant has to shift
5.6	Undertaking for indemnity agaisnst all damages and claims	Yes Enclosed	Enclosed
5.7	Uddertaking for management of traffic moment during laying of utility line witout hampering the traffic	Yes Enclosed	Enclosed
5.8	Undertaking that if any claim is raised by the concessionaire /contractor then the same ha to be paid by applicant		to be submitted
5.9	Undertaking that text of the License dead is as per verbatim of MORTH format Issued Vide Ministry's Circular No:RW/NH-33044/29/2015/S&R(R)DATED 22-11-2016		
	certificate from the applicat in the following format		
	ii)"we do undertake that I /we will relocate service road /approach road /utilities ay my/our own cost not withstanding the permisslon granted within such time as will be stipulated by NHAH for future six laneing/any other development"		

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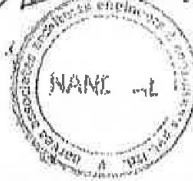
Sl No	Item		Remarks
	who will sign the agreement on behalf of Water pipeline agency	Executive Engineer, RWS&S Division, Kurnool.	Signed
6	power of attorney to sign the agreement is available or not	Yes	
7	The project director will submit the following certificates		
	certificate that the proposal is confirming to all standard conditions issued vide ministers circular no:RW/NH/33044/29/2015/S&R DATED 22-11-2016.	Yes	
8	certificate from PD in the following format		
8.1	certificate that the proposal is confirming to all standard conditions issued vide ministers circular no:RW/NH/33044/29/2015/S&R DATED 22-11-2016.	Yes	
8.2	certificate for six laning from PD in the following format		
	a)where feasibility is available "I do certify that there will be no hindrance to proposed six laning based on the feasibility report considering proposed structures at the said location".		
	b)In case feasibility report is not available "I do certify that sufficient ROW is available at sight for accommodating proposed six laning"		
9	the agreement fee of Rs.1 shall be charged		
10	If NH section proposed to be taken up by NHAI on BOI basis a clause is to be inserted in the agreement. The permitted Highway on which licensee has been granted the right to lay Gas pipeline /Duct has also been granted as a right of way of to the concessionaire under the concession agreement for upgrading of Kadapa-Kurnool Section from KM 167.750 to KM 356.502 of NH	Yes	
11	who will supervise the work of laying of Water pipeline.		
	a)onbehalf of the applicant	Dy.Executive Engineer,RWS&S Sub-Division,Dhone water Grid.	
	b)on behalf of MORTH /NHAI		PD, NHAI Concessionaire
12	Who will ensure that the defects in road portion after laying of gas pipeline are corrected and if not corrected then what action will be taken		
	a)onbehalf of the applicant	Executive Engineer,RWS&S Division,Kurnool.	
	b)on behalf of NHAI		PD, NHAI Concessionaire
13	Who will pay the claims for damages done /disruption in working of concessionaire if asked by the concessionaire		
	on behalf of Applicant	Executive Engineer,RWS&S Division,Kurnool.	Yes
14	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma(copy enclosed)		

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Sl No	Item		Remarks
15	if any previous approval is accorded for laying of underground gas pipeline then photocopy of register of records/permissions accorded(as maintained by PD) be enclosed.	No	

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

[Handwritten Signature]



[Handwritten initials]

Executive Engineer,
RWS&S Division Kurnool
ZP Compound,
Kurnool,518002

Dated:27.07.2021
Ref: NHAI/PIU-KDP/APSPDCL/2021/11666 dated:14.062021

To
The Highway Administration,
NH No.40,
Kadapha.
State of Andhra Pradesh

Dear sir,

Sub : permission to lay water pipe line along Kurnool Kadapa of NH-40 road from Km 40/3 to 52/0 (RHS) and across the road at KM Km 51/9 to 52/0 Kurnool to Panyam for a total length of 11700 under NHAI , PIU-Kadapa

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


In this context, we wish to inform you that we propose to lay 700 mm dia DI pipe line from Kurnool to Kadapa road NH-40 road from Km 40/3 to 52/0 (RHS) and across the road at KM Km 51/9 to 52/0 Kurnool to Panyam for a total length of 11850mts to facilitate Drinking water to the people in Dhone Constituency .

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

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

Hence, we request you to kindly accord ROW permission.

Thanking you


Signature of Engineer
Executive Engineer
RWS & S (PI), Division, Kurnool.

Encl: Plan showing proposed Drinking water path.

CHECK LIST

Guidelines for processing the proposal for laying of utility line in the land along National Highways vested with NHAI/PWD/BRO

Sl No	Item		Remarks
1	General Information	Providing Drinking water supply to Dhone Constituency of Kurnool district	
1.1	Name and Address of the Applicant/Agency	Executive Engineer, RWS&S Division Kurnool.	
1.2	National Highway Number	NH-40	
1.3	State	ANDHRA PRADESH	
1.4	Location	near SRBC canal Panyam (NH-40) (ch : 51/900 to 52/000)	
1.5	chainage/K.m	NH-40 (ch : 40/300 to 52/00 KM) 11700mts along the Road and 51/900 To 52/000 One no.of Road crossings 1x150mts (11700mts+1x150mts)	
1.6	Length in Meters	NH-40 11700m	
1.7	Width of available ROW		
	a)Left side from center line towards increasing chainage /km direction	30M	
	b)Right side from center line towards increasing chainage /km direction	30 M	
1.8	Proposal to lay the utility		
	a)Left side from center line towards increasing chainage /km direction	-	
	b)Right side from center line towards increasing chainage /km direction	Yes as per the Drawings attached (utility Corridor)	
1.9	proposal to acquire the land	NA	
	a)Left side from center line	-	
	b)Right side from center line	-	
1.10	whether proposal is in the same side where land is not to be acquired	NA	
	if not then where to lay the cable		
1.11	Details of already laid services, if any along the proposed route	NO	
1.12	Number of Existing lanes(2,4,6,8 lanes)	4 lane	
1.13	proposed number of lanes (2lane with paved shoulders/4/6/8 lanes)	NA	
1.14	Service road existing or not	Yes	
	if YES then which side		
	a)Left side from center line	13M to 16M	
	b)Right side from center line	13M to 16M	
1.15	Proposed Service road	NA	
	a)Left side from center line		
	b)Right side from center line		

1.16	Whether proposal to lay the utility is after the service road or between the service road and main carriageway	After Service Road	
1.17	Whether carrying of water pipeline has been proposed on highway/bridges if YES then mention the methodology proposed for the same	Na	
	Whether carrying of water pipeline has been proposed on the parapet/any part of the bridges. if YES then mention the methodology proposed for the same	Na	
	a)whether the existing drainage structures are allowed to carry the utility pipeline	NA	
	b)is it on a line normal to the NH	Yes	
	c)What is the distance of crossing the utility pipelines from the existing structures crossing shall not be too near the existing structures on the national highway.the minimum distance being 15 meter	NA	
	d)The casing pipe carrying the utility line shall be of steel .cast iron or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of carrier pipe/cable	yes	
	Mention type of casing	MS PIPE LINE	
	e)Ends of the casing pipe shall be sealed from the outside.so that it doesnot act as a drainage path	Yes	
	g) The top of the casing pipe should be atleast 1.2 meter below the surface of the road subject to being at least 0.3 meter below the drain inverts	Yes	
	mention the proposed details		
	h)Mention the methodology proposed for crossing of road for the proposed Water pipe line .Crossing shall be by boring method HDD.specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	H.D.D	
	i)The casing pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a water way along it		
1.18	No of applications on the same stretch	1	
1.19	Whether the case of multiple licenses	No	
1.2	if so furnish a joint implimentation programmer to lay their respective ducts within stipulated time frame	NA	
	If crossing of the road involved If YES ,it shall be through trench less technology	Yes By HDD method	
2	Document /Drawing to be enclosed with the proposal	Yes Enclosed	
2.1	crosssection showing the size of the trench for open trenching method	Enclosed	
	is it normal size of 1.2m deep X 0.3meter wide		

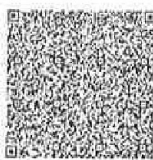
2.2	Cross section showing the size of the pit and location of cable for HDD method	Yes Enclosed	
2.3	Strip plan/route plan showing the utility/Gas Pipeline chainage Width of ROW distance of proposed pipeline from the edge of ROW. Important mile stone Intersections ,cross drainage works etc...	Yes Enclosed as per Drawing	
2.4	Methodology for laying of the utility pipeline	Enclosed	
2.4.1	open trenching method.(May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type	Back Fill the Soil excavated with compaction @ every 300mm	
2.4.2	Horizontal Directional Drilling method(HDD method)	only for Road Crossing	
2.4.3	methodology for laying of the pipeline through CD works and method of laying	NA	
	in cases where the carrying of water pipeline on the bridge becomes inescapable		
3	draft license agreement is signed by two witnesses	Enclosed	
4.1	Proformance Bank Gurantee		
4.2	confirmation of BG has been obtained or not as per MORTH /NHAI guide lines	BG shell be submitted as per NHAI Guidelines	
5	Affidafit /undertaking from the applicant from the following is to be furnished	Yes Enclosed	
5.1	Undertaking for not to damage any other utility ,if damaged then to pay the losses eithe to NHAI or to the concerned agency	Yes Enclosed	
5.2	Undertaking for renewal of BG as when asked by MORTH/NHAI	yes will be obtain after submission of BG	
5.3	Undertaking for confirming all standard condition of Minsttry /NHAI guide lines	Yes Enclosed	
5.4	Shifting of OFC as and when required by Nhai		
5.5	Shifting due to 6 lanning/widening of NH		
5.6	Undertaking for indemnity agaisst all damages and claims	Yes Enclosed	
5.7	Uddertaking for management of traffic moment during laying of utility line witout hampering the traffic	Yes Enclosed	
5.8	Undertaking that if any claim is raised by the concessionaire /contractor then the same ha to be paid by applicant		
5.9	Undertaking that text of the License dead is as per verbatim of MORTH format issued Vide Ministry's Circular No:RW/NH-33044/29/2015/S&R(R)DATED 22-11-2016		
	certificate from the applicat in the following format		
	ii)"we do undertake that I /we will relocate service road /approach road /utilities ay my/our own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for future six laneing/any other development"		

	who will sign the agreement on behalf of Water pipeline agency	Executive Engineer, RWS&S Division, Kurnool.	
6	power of attorney to sign the agreement is available or not	Yes	
7	The project director will submit the following certificates		
	certificate that the proposal is confirming to all standard conditions issued vide ministers circular no:RW/NH/33044/29/2015/S&R*DATED 22-11-2016.	Yes	
8	certificate from PD in the following format		
8.1	certificate that the proposal is confirming to all standard conditions issued vide ministers circular no:RW/NH/33044/29/2015/S&R*DATED 22-11-2016.	Yes	
8.2	certificate for six laning from PD in the following format		
	a)where feasibility is available"I do certify that there will be no hindrance to proposed six laning based on the feasibility report considering proposed structures at he said location ".		
	b)In case feasibility report is not available "I do certify that sufficient ROW is available at sight for accommodating proposed six laning"		
9	the agreement fee of Rs.1 shall be charged		
10	If NH section proposed to be taken up by NHAI on BOI basis a clause is to be inserted in the agreement.The permitted Highway on which licensee has been granted the right to lay Gas pipeline /Duct has also been granted as a right of way of to the cocessionaire under the concession agreement for upgrading of(-----Section from KM ----- to KM ----- of NHno:- ----- on build. (operate and transfer basis)and therefore the licensee shall honour the same	Yes	
11	who wil supervise the work of laying of Water pipeline.		
	a)onbehalf of the applicant	Dy.Executive Engineer,RWS&S Sub-Division,Dhone water Grid.	
	b)on behalf of MORTH /NHAI	Dy.Executive Engineer,(R&B)NH, SubDivision,Kadapa.	
12	Who will ensure that the defects in road portion after alying of gas pipeline are corrected and if not corrected then what action will be taken		
	a)onbehalf of the applicant	Executive Engineer,RWS&S Division,Kurnool.	
	b)on behalf of NHAI	Executive Engineer(R&B)NH,division,Kadapa.	
13	Who will pay the claims for damages done /disruption in working of concesionaire if asked by the concessionaire		
	on behalf of Applicant	Executive Engineer,RWS&S Division,Kurnool.	

14	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed)		
15	if any previous approval is accorded for laying of underground gas pipeline then photocopy of register of records/permissions accorded (as maintained by PD) be enclosed.	No	

Sd/- 18/8/2021
(Ch. Manohar)

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



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46707111628684595000 - 00046307
(Unique Certificate Id)

Sold to : C H MANOHAR

For whom : SELF

Rupees: Twenty Only

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4670711

ANDHRA PRADESH

(V.SUBRAMANYAM SETTY, KURNOOL) ఆంధ్ర ప్రదేశ్
Licence No. 02/2020

AFFADAVIT/UNDERTAKING AS PER SL.No.5 OF CHECK LIST

We, Executive Engineer, RWS&S Division, Kurnool ZP Compound, Kurnool, Andhra Pradesh are laying pipe line from ch.40/300 to ch.52/0 along and across NH-40 at ch.51/9 to ch.52/0 section as a part of Providing Drinking Water Supply Project to Dhane Constituency with Gorukallu Reservoir as Source Under JJM and state plan Project for a total length of 11700 Mts :Kurnool District of AP, under the limits of R&B Division.

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

1. Not to damage to other utility, "if damaged then to pay the losses either to authority or to the concerned agency: Regarding the location of other cables, underground installation/utilities, etc. The Executive Engineer, RWS&S Division, Kurnool ZP compound, Kurnool, Andhra Pradesh shall be responsible to ascertain from the respective agency in co-ordination with R&B, NH Dept. The Executive Engineer, RWS&S Division, Kurnool ZP compound, Kurnool, Andhra Pradesh shall ensure the safety under security of already existing cables/underground installation/utilities facilities, etc. before commencement of the excavation.

2. Renewal of Bank Guarantee: The Executive Engineer ; RWS Division, Kurnool ZP compound, Kurnool, Andhra Pradesh shall furnish a Bank Guarantee at Rs.100/- per running meter to the R&B, NH Dept, for a period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring/making good the excavated trench for laying the pipe line by proper filling and compaction, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of right of way. No payment shall be payable by R&B, NH Dept to RWS&S Engineering Department for clearing debris/loose earth. In case the work contemplated here with is not completed to the satisfaction of R&B, NH Dept, which has granted the permission, within a period of 11 months from the date of issue of Bank Guarantee, the RWS&S Engineering Department shall either furnish a fresh Guarantee or Extended guarantee for a period of one year. In case of the RWS&S Engineering Department failing to discharge the obligation of making good the excavated trench, the R&B, NH Dept shall have a right to make good the damages caused by excavation, at the cost of the RWS&S Engineering Department and recover the amount by invoking the Bank Guarantee furnished by the RWS&S Engineering Department.

3. Confirming all standard conditions Of MORTH:

- The period of validity of way permission shall be co-terminus with the validity of license given by The RWS&S Engineering Department.
- The pipe line shall be laid at the edge of the right of way within 2 meters utility corridors.
- The top of the conduit pipe shall be at least 1.20 m below the surface of the road subject to being at least 0.3m below the drain inverts.
- The licensee has to cross the NH by horizontal drilling method (trenchless technology only). In case any damage is caused to the road in this processes, the RWS&S Engineering Department will be required to restore the same to the original condition at his own cost.

E. Existing CD works shall not be allowed for laying the pipeline and shall be caused by HDD method only.

F. No trenching will be done on the link road, boring method will be used in link road and pipe line will be laid at the extreme edge of the road in the non-BT surface only.

G. The licensee shall inform/give a notice to the Govt. of AP, or its authorized agency at least 15 days in advance with route details prior to digging trenches for fresh or maintenance/repair work. A separate work plan and a separate performance bank Guarantee 100/- per meter length for maintenance/repair work shall have to be furnished by the RWS&S Engineering Department.

H. Each day, the extent of digging the trenches should be strictly regulated so that pipe line are laid and trenches filled up before the close of the work that day. Filling should be completed to the satisfaction of the concerned agency designated by the R&B, NH Dept.

I. The licensee shall indemnify the concerned agency in co-ordination with R&B, NH Dept. against all damages and claims, if any, due to the digging of trenches for laying cables/ducts.

J. The NH Dept. has a right to terminate the permission or to extend the period of agreement. In case RWS&S Engineering Department wants shifting, repairs or alteration to pipeline, telecom cables/ducts, he will have to furnish a separate bank guarantee.

K. The licensee shall not without prior permission in writing from the NH Dept or its authorized agency undertake any work of shifting, repairs or alterations to the said pipe line.

L. The permission granted shall not be anyway be deemed to convey to the RWS&S Engineering Department any ownership right or any interest in route/road/highway/land/property, either than what is herein expressly granted.

M. During the subsistence of this agreement, the laying pipe line located in Highway land/property shall be deemed to have been constructed and continued only by the consent and permission of the NH Dept. So that the right of RWS&S Engineering Department to the use of there of shall not become absolute and indefeasible by lapse of time.

N. The RWS&S Engineering Department shall bear the stamp charged for the agreement.

O. The pipe line shall not be brought into use by the RWS&S Engineering Department unless a completion certificate to the effect that the laying telecom cables/ducts has been laid in accordance with the approved specification and drawings and the trenches have been filled upto the satisfaction of the concerned agency in co-ordination with the owner has been obtained.

P. Notwithstanding anything NH Dept contained here in this agreement may be cancelled at any time by the for breach of any condition of the same and the RWS&S Engineering Department shall neither be entitled to any compensation for any loss caused to it by such cancellation nor shall it be absolved from any liability already incurred.

Q. The licensee shall have to provide barricading, danger lighting and other necessary caution boards while executing the work and during maintenance. If NH Dept is required to do some emergent work, RWS&S Engineering Department will provide an observer within 24 hours R&B, NH Dept will not be responsible for any damage of any kind by whatsoever means natural or otherwise.

R. The enforceability of the right-of-way permission granted here in shall be restricted to the extent of provisions/scope of service contained /defined in the licensee agreement of the purpose for which it is granted. Either by content or by intent, the purpose extending this right-of-way facility is not to enhance the scope RWS&S Engineering Department of the department of PR&RD.

4. Shifting of pipe line as and when required by NH Dept: The RWS&S Engineering Department shall shift the pipe line within 90 days (or as specified by the respective agency/owner) from the date of issue

of the notice by the NH Dept to shift /relocate the pipe lines, in case it is so required for the purpose of improvement /widening of road/route/highway or construction of flyover/bridges and restore the road/land to its original condition at his own cost and risk.

5. Shifting due to 6 Laning /Widening of NH:

After the termination/expiry of the agreement, the RWS&S Engineering Department shall remove pipe lines within 90 days and the site shall be brought back to the original condition failing which the RWS&S Engineering Department shall furnish a Bank Guarantee to the owner for a period of one year for an amount assessed by the owner for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation of trenching at least 50m away from the edge of the right of way.

6. Traffic movement during laying of pipeline to be managed by the applicant:

If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of RWS&S Engineering Department.

7. If any claim is raised by the concessionaire then the same has to be paid by the applicant:

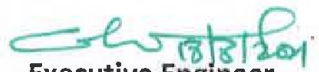
The RWS&S Engineering Department shall be solely responsible/liable for full compensation/indemnification of concerned agency/aggrieved owner for any direct, indirect or consequential damage caused to them/claims or replacement sought for, at the cost and risk of the RWS&S Engineering Department. The concerned agency in co-ordination with R&B, NH Dept shall also have a right to make good such damages/recover the claims by way of invoking of Bank Guarantee furnished by the RWS&S Engineering Department. If the RWS&S Engineering Department fails to comply with the condition 5 and 6 above to the satisfaction of R&B, NH Dept the same shall be got executed by the NH Dept at the risk and cost of RWS&S Engineering Department.

8. Laying of pipe line will not have any deleterious effects on any bridge components and roadway safety for traffic.

9. Prior approval of the NH shall be obtained before undertaking of any work of installation, shifting or repairs or alteration to the showing pipe line located in NH ROW.

10. Expenditure, if any, incurred by NH for repairing any damages caused to NH by laying, maintenance of shifting of the pipe line will be borne by us owing the line.

11. If NH considers it necessary in future to move utility line for any work of improvement or repairs to the road, it will be carried out as desired by NH at our cost owing the utility line within a reasonable time (not exceeding 180 days) of the intimation given and more over this proposal is for the shifting of our pipeline damaged during highway expansion work.


Executive Engineer,
RWS&S Division, Kurnool.



INDIA

INDIA NON JUDICIAL AUG 11 2021 17:51:36

46707111628684496000 - 00046304
(Unique Certificate Id)

Sold to : C H MANOHAR

For whom : SELF

Rupees Twenty Only

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4670711

ANDHRA PRADESH

(V.SUBRAMANYAM SETTY; KURNOOL) ఆంధ్ర ప్రదేశ్
Licence No. 02/2020

UNDERTAKING

We, Executive Engineer, RWS&S Division, Kurnool do hereby undertake in reference to our ROW application for laying of raw water gravity main of Providing Drinking Water Supply Project to Dhone Constituency with Gorukallu Reservoir as Source Under JJM and state plan Project from NH-40 SRBC canal Near Panyam Village to Near Thammarajupalli village (km 40/300. to Km 52/000) along and across at NH-40 (km 51/900 to 52/000) at SRBC canal Near Panyam village .

We will relocate water pipe line/Utilities at our own cost notwithstanding the permission granted within such time as will be stipulated by NH for future planning or any other development

EXECUTIVE ENGINEER
RWS&S(P), DIVISION KURNOOL



Sold to : C H MANOHAR

For whom : SELF

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We will relocate water pipe line/Utilities at our own cost notwithstanding the permission granted within such time as will be stipulated by NH for future planning or any other development

(Signature)

EXECUTIVE ENGINEER
RWS&S(P), DIVISION KURNOOL



ఆంధ్రప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH

SI.No. 0819 Date : 26.07.2021 Rs.100/-
Sold to : C.H. Manohar S/o.C.H. Israel, Kurnool
For Whom: Water Grid, Dhane

OT/453831
V. MANI DHAR
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40/837/2, Near SBI Main Branch,
Kurnool - 518 004 Cell :9393828212

**AGREEMENT REGARDING GRANTING OF RIGHT OF
WAY PERMISSIONS FOR LAYING PIPE LINE**

Agreement to lay pipe line from Km. 40.300 to Km. 52.000 = 11700Mtrs along and across (includes 1 crossings) NH -40 and from Km. 51.900 to Km. 52.000 = 100 Mtrs.

This agreement made this.....day of(month) ofyear between National Highway Authority of India acting in his executive capacity through(hereinafter referred to as "Authority" which expression shall unless excluded by or repugnant to the context, include his successors in office and assigns) on the one part, and The Executive Engineer, RWS&S Division , Kurnool, (hereinafter called the "Licensee") which expression shall unless excluded by repugnant to the context, include his successors / administrator assignees on the second part.

Whereas the National Highway Authority of India is responsible, inter-alia, for development and maintenance of lands in

Whereas the Licensee proposes to lay pipe line in Km. 40.300 to Km.52.000 = 11700 Mtrs along and across(includes 1 crossings) NH -40 and from Km. 51.900 to Km.52.000 = 100 Mtrs NH -40 in the state of Andhra Pradesh.

Whereas the Licensee has applied to the Authority for permission to lay pipe line from Km. 40.300 to Km.52.000 = 11700Mtrs along and across(includes 1 crossings) NH -40 and from Km. 51/900 to Km.52/000 = 100 Mtrs . whereas the Authority has agreed to grant such permission on the terms and conditions hereinafter mentioned.

Now this agreement witnesses that in consideration of the conditions hereinafter contained and on the part of the Licensee to be observed and performed, the Authority hereby grants to the Licensee

permission to lay pipe line as per the approved drawing attached hereto subject to the following conditions, namely.

1. Row permissions are only enabling in nature. The purpose of extending the way leave facility on the National Highway RoW is not for enhancing the scope of activity of a utility service provider, either By content or by intent. Further. Enforceability of the permission so granted shall be restricted only to The extent of provisions/scope of activities defined in the license agreement & for the purpose for Which it is granted.
2. No Licensee shall claim exclusive right on the RoW and any subsequent user will be permitted to use the RoW, either above or below, or by the side of the utilities laid by the first user, subject to technical Requirements being fulfilled. Decision of the Authority in relation to fulfilment of technical Requirements shall be final and binding on all concerned parties. In case any disruption/damage is Caused to any existing user by the subsequent user, the Authority shall not be held accountable or Liable in any manner.
3. The Licensee shall be responsible for undertaking all activities including, but not limited to site Identification, survey, design, engineering, arranging finance, project management, Obtaining Regulatory approvals & necessary clearances, supply of equipment, material, construction, erection, Testing and commissioning, maintenance and operation and all other activities essential or required for Efficient functioning of their own utility/ industrial infrastructure facilities.
4. The Licensee shall pay license fees @ Rs/sq m/month to the Authority. The License fee shall become Payable from the date of handing over of RoW land to the Licensee, for laying of Utilities/cables/conduits/pipelines for infrastructure/ service provider. As regards Tariff and Terms and Conditions for providing common utility ducts along National Highways, there shall be a separate Agreement regime.
5. Fee shall have to be paid in advance for the period for which permission is granted for entering into a license agreement. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
6. Present policy of the MoRT&H is to provide a 2.00 m wide utility corridor on either side of the extreme edge of RoW. In cases where utility ducts with sufficient space are already available along NH, the utility services shall be laid in such ducts subject to technical requirements being fulfilled.
7. The utility services shall be laid at the edge of the RoW. In case of restricted width of Row, which may be adequate only to accommodate the carriageway, central verge, shoulders, slopes of embankment, drains, other road side furniture etc; the utility services shall be laid beyond the toe line of the embankments and clear of the drain.
8. The Licensee shall make his own arrangement for crossing of cross drainage structure, rivers, etc. below the bed. In case, this is not feasible, the utility services may be carried outside the railings/parapets and the bridge superstructure. The fixing and supporting arrangement with all details shall be required to be approved in advance from the concerned Highway Administration. Additional cost on account of fixing and supporting arrangement as assessed by the Authority shall be payable by the Licensee.

9. In exceptional cases, where RoW is restricted the utility services can be allowed beneath the carriageway of service road, if available, subject to the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct shall not be less than one lane. In such cases, it also needs to ensure that maintenance of the utility services shall not interfere with the safe and smooth flow of traffic. The cost of operation and maintenance will have to be borne by the Licensee.
10. It is to be ensured that at no time there is interference with the drainage of the road land and maintenance of the National Highways. Towards this, the top of the utility services shall be at least 0.6 metre below the ground level. However, any structure above ground shall be aesthetically provided for landscaped with required safety measures as directed by the concerned Authority;
11. The utility services shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing/ conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry.
12. Existing drainage structures shall not be allowed to carry the lines across.
13. The top of the casing/conduit pipe containing the utility services to cross the road shall be at least 1.2m below the top of the sub grade or the existing ground level whichever is lower, subject to being at least 0.3m below the drain inverts. A typical sketch showing the clearances is given in Attachment-1.
14. The utility services shall cross the National Highway preferable on a line normal to it or as nearly so as practicable.
15. The casing/conduit pipe for crossing the road may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.
16. In case of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30 cm. but not more than 60 cms wider than the outer diameter of the pipe. The lining of the trench shall conform to the specifications contained here-in-below or as supplied by the Highway Authority.
- a. Bedding shall be to a depth not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles, and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edges should be excavated and replaced by selected material.
 - b. The backfill shall be completed in two stages (i) Side-fill to the level of the top of the pipe (ii) Overfill to the bottom of the road crust.
 - c. The side fill shall consist of granular material laid in 15 cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.
 - d. The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highway Authority.

17. The Licensee shall ensure making good the excavated trench for laying utility services by proper filling and compaction. so as to restore the land in to the same condition as it was before digging the trench, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way;
18. All required restoration work subsequent to laying of the cable shall be required to be undertaken by the Licensee at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards.
19. Prior to commencement of any work on the ground, a performance Bank Guarantee @ Rs. per route metre Rs per sq m with a validity of one year initially (extendable if required till satisfactory completion of work) shall have to be furnished by the Licensee to the Authority/its designated agency as a security against improper restoration of ground in terms of filling/unsatisfactory compaction damages caused to other underground installations/utility services & interference, interruption, disruption or failure caused thereof to any services etc. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.
20. In case, the Performance Bank Guarantee is invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required Performance Bank Guarantee within one month of such invoking. In case the work contemplated herein is not completed to the satisfaction of the Authority, which has granted the permission, within a period of 11 months from the date of issue of the Bank Guarantee, the Licensee shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. Notwithstanding this, the Licensee shall be liable to pay full compensation to the aggrieved Authority its designated agency for any damage sustained by them by reason of the exercise of the Row facility.
21. The Licensee shall shift the utility services within 90 days (or as specified by the respective Authority) from the date of issue of the notice by the concerned Authority to shift/relocate the utility services, in case it is so required for the purpose of improvement/widening of the road/route/highway or construction of flyover/bridge and restore the road/land to its original condition at his own cost and risk.
22. The Licensee shall be responsible to ascertain from the respective agency in co ordination with Authority, regarding the location of other utilities underground installations/ facilities etc. The Licensee shall ensure the safety and security of already existing underground Installations / utilities / facilities etc. before commencement of the excavation/using the existing cable ducts. The Licensee shall procure insurance from a reputed insurance company against damages to already existing underground installations/utilities/facilities etc.
23. The Licensee shall be solely responsible/ liable for full compensation/indemnification of concerned agency/aggrieved Authority for any direct, indirect or consequential damage caused to them/claims or replacements sought for, at the cost and risk of the Licensee. The concerned agency in co ordination with Authority shall also have a right make good such damages/ recover the claims by

forfeiture of Bank Guarantee.

24. If the Licensee fails to comply with any condition to the satisfaction of the Authority, the same shall be executed by the Authority at the cost and risk of the Licensee.
25. Grant of License is subject to the Licensee satisfying (a) minimum disruption of traffic and (b) no damage to the highways. As far as possible, the Licensee should avoid cutting of the road for crossing highway, and other roads and try to carry out the work by trenchless technology. In case any damage is caused to the road pavement in this process, the Licensee will be required to restore the road to the original condition at its cost. If due to unavoidable reasons the road needs to be cut for crossing or laying utility services, the Licensee has to execute the restoration work in a time bound manner at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.
26. The Licensee shall inform/give a notice to the concerned agency designated by the Authority at least 15 day in advance with route details prior to digging trenches, for fresh or maintenance/repair works. A separate performance Bank Guarantee for maintenance/repair works shall have to be furnished by the Licensee.
27. Each day, the extent of digging the trenches should be strictly regulated so that utility services is laid and trenches filled up before the close of the work that day. Filling should be completed to the satisfaction of the concerned agency designated by the Authority.
28. The licensee shall indemnify the concerned agency in co-ordination with Authority, against all damages and claims, if any due to the digging of trenches for laying cables/ducts.
29. The permission for laying utility services is granted maximum for 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be renewed, unless defaults exist. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
30. The permission shall be valid only for the period it is issued and fee deposited. However, the Authority also has a right to terminate the permission or to extend the period of Agreement.
31. That the Licensee shall not undertake any work of shifting, repairs or alterations to the utility services without prior written permission of the concerned agency in co-ordination with the Authority.
32. The permission granted shall not in any way be deemed to convey to the Licensee any ownership right or any interest in route/road/highway land /property, other than what is herein expressly granted. No use of NH RoW will be permitted for any purpose other than that specified in the Agreement.
33. During the subsistence of this Agreement, the utility services located in highway land / property shall be deemed to have been constructed and continued only by the consent and permission of the

Authority so that the right of the Licensee to the use thereof shall not become absolute and indefeasible by lapse of time.

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

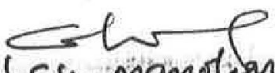
42. Any disputes in interpretation of the terms and conditions of this Agreement or their implementation shall be referred to the redress mechanism prevailing in the Ministry and the decision of the redress mechanism shall be final and binding on all.

43. For PPP Projects, in case of any financial loss incurred by the respective project concessionaires due to such laying/shifting of utility services by the Licensee, compensation for the same shall be required to be borne by the Licensee in mutual agreement with the respective project concessionaires. MORT&H/ NHAI/ implementing authorities for the project shall not be liable to the concessionaire in any way in this regard.

This agreement has been made in duplicate, each on a Stamp Paper, Each party to this Agreement has retained one stamped copy each.

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

SIGNED SEALED AND DELIVERED FOR AND ON BEHALF OF AUTHORITY.

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

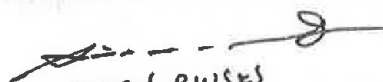
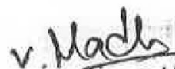
Executive Engineer
RWS & S (P) Division, Dhane

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

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

HOLDER OF GENERAL POWER OF ATTORNEY DATEDEXECUTED IN ACCORDANCE WITH THE RESOLUTION NO.....DATED PASSED BY THE BOARD OF DIRECTORS IN THE MEETING HELD ON

IN THE PRESENCE OF (WITNESSES)

1. 
DEG/ RWS
Dhone Water Grid Project
Dhone
2. 
AFF/RWS
Dhone Water Grid



ఆంధ్రప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH

Sl.No. 10816 Date : 26.07.2021 Rs.100/-
Sold to : G.H. Manohar S/o.C.H. Israel, Kurnool
For Whom: Water Grid, Dhone

CT 453828
V. MANI DHAR

Licensed Stamp Vendor
L.No. 13-21-005/2011
R.No. 13-21-026/2020-2022
40/837/2, Near SBI Main Branch,
Kurnool - 518 004 Cell :9393828212

INDEMNITY BOND

Name of the work: Laying of raw water gravity main of Providing Drinking Water Supply Project to Dhone Constituency with Gorukallu Reservoir as Source Under JJM and state plan Project NH-40 From ch.40/3 to ch.52/0 along -11.70km and across NH-40 at ch.51/9 to ch.52/00 -0.100km for a total length of 11.70km (incl.One road crossings) in the state of Andhra Pradesh.

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

We, Executive Engineer, RWS&S Division, Kurnool do hereby indemnify Executive Engineer, (R&B), NH Division, Kadapa binding ourselves to pay all the losses and claims in respect of Dhone constituency water supply improvement of raw water Gravity main and Pumping from NH-40 From SRBC CANAL NEAR PANTAM VILLAGE TO NEAR THAMMARAJUPALLI village NH-40 From ch.40/3 to ch.52/0 along -11.70km and across NH-40 at ch.51/9 to ch.52/0 -0.100km for a total length of 11.70km (incl.One road crossings)in the state of Andhra Pradesh.

Maintenance thereof and against all claims, proceedings, damages, costs, charges and expenses what so ever in respect thereof in relation there to. Failing such payments of claims in the above work we abide in accepting for recovery of such claims affected from any of our assets.


EXECUTIVE ENGINEER
RWS&S(P), DIVISION KURNOOL

Details of NHAI Road Crossings in Kurnool District

S.NO	District	Name of the Segment	Segment type Primary trunk/ Secondary trunk	Name of Mandal	Name of NHAI	NHAI No.	Crossed Location (Chainage)	Location (Left/ Right)	Length of crossing	Water supply pipe dia	Encasing pipe dia proposed	Status	Remarks
1	Kurnool	Dhone	PRIMARY TRUNK	Panyam	Kurnool-Kadapha	40	crossing at SRBC Canal 51/9 to 52/0	Right side	100M-150M	700 DI	900 mm		

[Signature]
Executive Engineer
RWS & S (P) Division, Kurnool.


[Signature]
Deputy Executive Engineer
RWS & S Sub-Division,
Dhone Water Grid Projects
DHONE.


[Signature]
Assistant Executive Engineer
RWS & S Sub-Division,
Dhone Water Grid Projects
DHONE.


ANNEXURE-2

Details of Laying pipeline along the NH-40 Road of NHAI in Kurnool District

S.NO	Name of the Segment	Name of NHAI	NHAI No.	Location	Chainage		Location (Left/Right)	Length of service road in Kms	Water supply pipe dia	Encasing pipe dia proposed	Status	Remarks
					From	To						
1	Dhone	Kurnool - Kadapha	40	SRBC canal near Panyam to Near Thammaraupalli Village	40/3	52/0	Right side	11.70	700 mm			


 Executive Engineer
 RWS & S (P) Division, Kurnool.


 Deputy Executive Engineer
 RWS & S Sub-Division,
 Dhone Water Grid Projects
 DHONE.


 Assistant Executive Engineer
 RWS & S Sub-Division,
 Dhone Water Grid Projects
 DHONE.

Annexure-III										
[Enclosure to Ministry circular No.RW/NH-33044/17/2005-S&R(Pt.) DATED 06.08.2013										
Format for Maintaining Records of Right of Way permission granted for laying pipe line										
(to be maintained separately for every NH and state)										
1	Name of state	ANDHRA PRADESH								
2	Name of Agency									
3	NH Number	NH-40								
S.NO	Location (Chainage in KM)	left or Right side of NH (towards increasing chainage/km direction)	section and reach	kind of service	Name of licensee and contact address	date of signing agreement	date of validity of agreement	date of last inspection of site	any deviation from MOST standard norms	remarks
1	from ch.40/3 to ch.52/0	RHS	NH Ch 52/0 NEAR SRBC canal TO Ch.40/3 Near Thammaraajupalli	Water PIPE LINE	EXECUTIVE ENGINEER RWS&S DIVISION KURNOOL					

Chaitanya
Executive Engineer
RWS & S (P) Division, Kurnool

S. Srinivas
Deputy Executive Engineer
RWS & S Sub-Division,
Phone Water Grid Projects
DHONE.

V. Vade
Assistant Executive Engineer
RWS & S Sub-Division,
Phone Water Grid Projects
DHONE.

Methodology adopted for laying of pipe line

General

1. After thorough study of entire stretch of proposed pipe line laying, we have proposed to lay our pipe line along the road for a total length of 11700 Mts in this 11700m by open trench method and 150 m by HDD method in between 51/900 to 52/000 of NH-40 combinately.
2. We have proposed to lay our pipe line at 0.5 to 1.0 m from the extreme boundary according to the availability of space.

Protection technology in case of culverts /canals

1. pipe line invert level will be kept above the water level in the drains or culverts by constructing abutments and thrust blocks at the ends and middle if necessary. However the same shall be discussed with the R&B NH Division, Kadapa officials on case to case basis and pipe routing shall be decided as per their advice.

Methods

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


Open trench method:

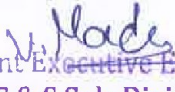
There will be a continuous digging following a single line in open trench. The depth of trench will be 1.65m in the normal soil condition. Open trench will be carried out manually and with machine. Cross section of the trench is attached herewith. Trench will be in ROW limits and will be marked with lime powder to keep it straight. Trench will be barricaded with safety signs. This method will be used wherever normal soil is available for open trench. Trench will be laid clear of drains, service roads, truck lay bays wherever existing on the High ways.

Backfilling:

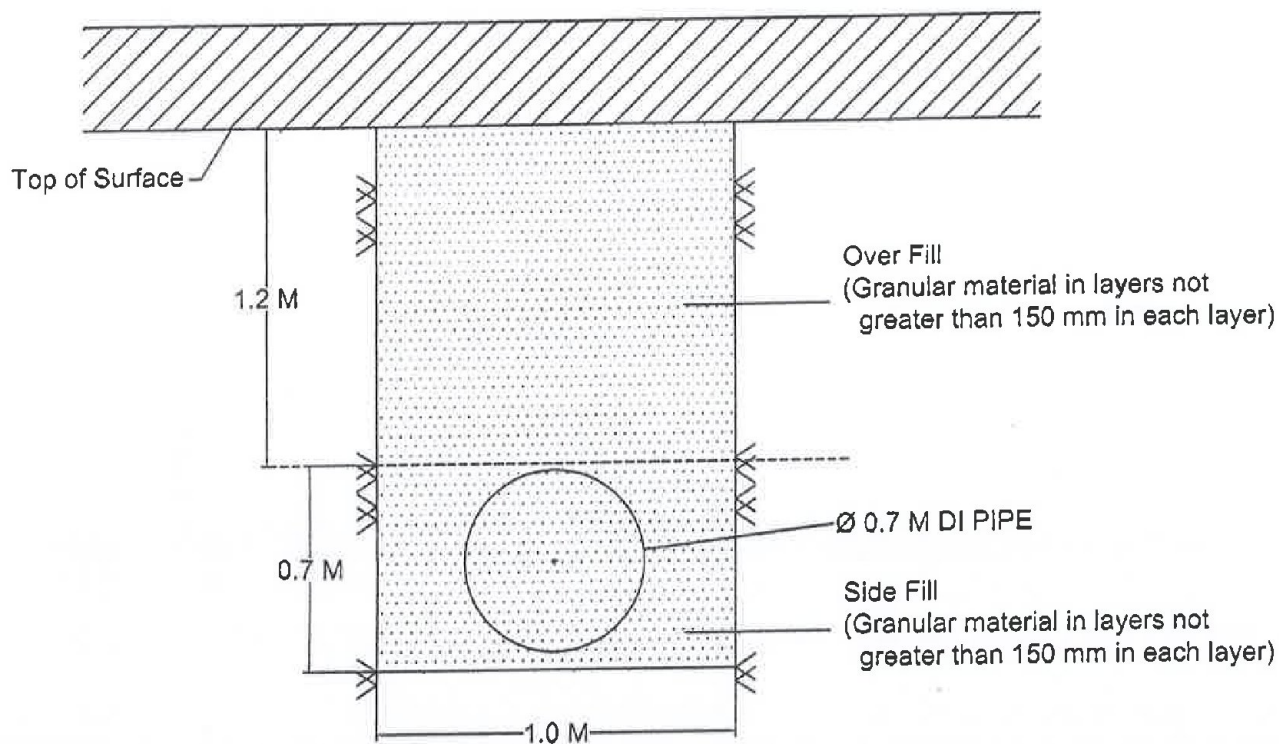
Backfilling shall be done with well compacted Granular material after ensuring soft material padding. Adequate dry compaction shall be done before crowning. Compaction shall be done in layers of 15 cm each. The trench shall be filled up to the required height of 1.2m (measured from top of pipe trench cross section drawing attached in the proposal). And a 0.2mm thick high density polythene warning tape shall be placed above pipe prior to further backfilling. A crown of 250mm shall be made at top of backfilled trench to cater for soil settlement. No surplus soil shall be left outside trench. Entire area shall be restored and debris removed and disposed off in a safe manner and in line with requirements of authority having jurisdiction over the area.


Executive Engineer
RWS & S (P) Division, Kurnool.


Deputy Executive Engineer
RWS & S Sub-Division,
Dhone Water Grid Projects
DHONE.


Assistant Executive Engineer
RWS & S Sub-Division,
Dhone Water Grid Projects
DHONE.

TRENCH CROSS SECTION FOR DI PIPE



[Signature]
Executive Engineer
RWS & S (P) Division, Kurnool.

[Signature]
Deputy Executive Engineer
RWS & S Sub-Division,
Dhone Water Grid Projects
DHONE.


[Signature]
Assistant Executive Engineer
RWS & S Sub-Division,
Dhone Water Grid Projects
DHONE.


Methodology adopted for laying of pipe line

Installation of pipe line in crossings by Trenchless Techniques(HDD)

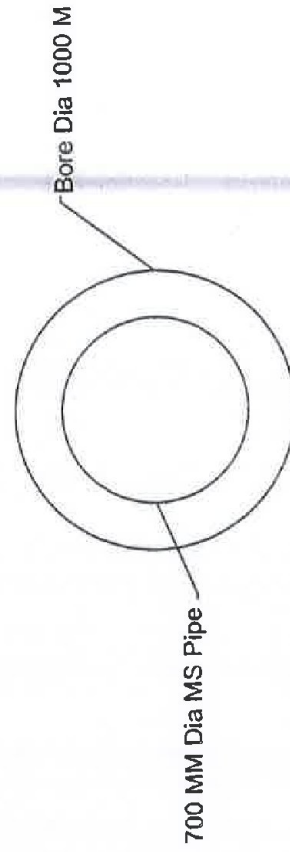
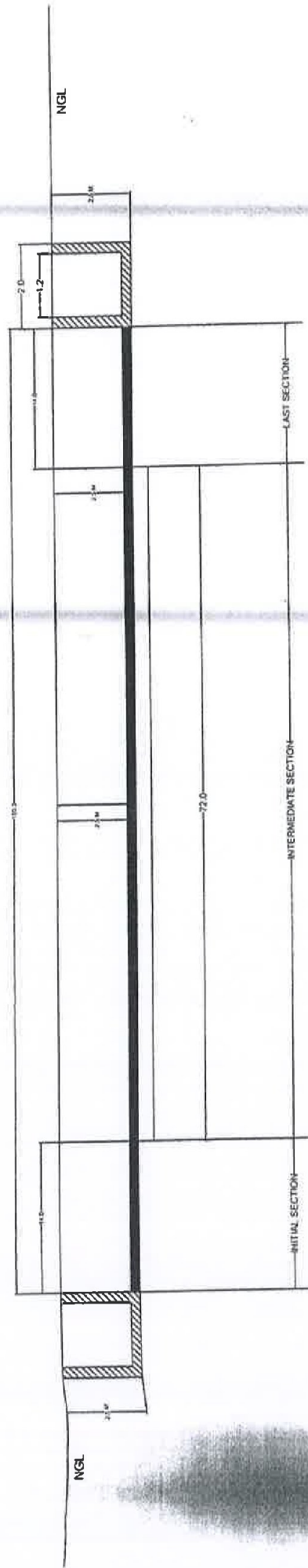
For the process of HDD excavation of only 2 pits each of standard size 1.5x0.5x1.65 is required which is called entry pit and exit pit. Pit size may vary based on site condition. The first stage drills a pilot hole on the designed path, and the second stage (reaming) enlarges the hole by passing a larger cutting tool known as reamer. The reamer's diameter depends on size of duct to be pulled back through the bore hole. The driller increases the diameter according to the outer diameter or the conduit and to achieve optimal production. The third stage places the duct in the enlarged hole by the way of drill stem. It is pulled behind the reamer to allow cantering of duct in the newly renamed path. Pit size may vary based on site condition. Entry and exit pits shall be dug at both ends of segment which shall later on become either a location for manhole/hand-hole. The drilled hole profile between entry and exit pits (except transition areas) shall be as straight as possible.


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Typical Cross Sectional For HDD



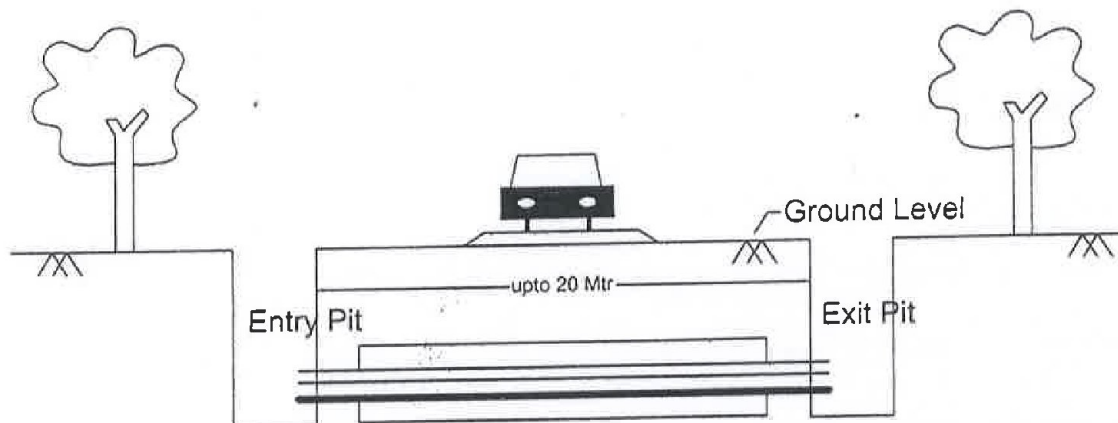
Executive Engineer
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Methodology adopted for laying of pipe line

SINGLE ROAD CROSSING BY MOILING / BORING



SINGLE ROAD CROSSING BY MOILING / BORING

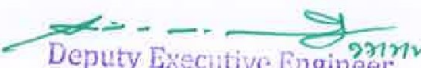
Water Body Crossing

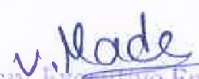
Water bodies and other natural obstructions can be crossed by open-cut method, trenchless techniques or using existing infrastructures such as bridges and culverts depending upon the nature of water body (dry/stagnant/flowing) and availability of permissions from concerned authorities for using existing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

Crossings using Existing Bridges/Culvert

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


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Crossing of a small river or channel by HDD

Open cut method is used when installation on bridge / culvert is not available. This method however is more suited to seasonal water bodies (prone to flowing water such as nala/ stream/ river/ canal etc.) which may be completely / partially dry during installation period. This method can also be used for small water bodies where it is possible to divert water for a short period of installation.

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


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Proposal for granting of permission for laying of Water pipe line -NH-40 Kurnool - Nandyal Road by RWS & S department between KM 40.300 to 52.00 KM & 1 No of Road Crossing (150 mts) for the length of 11850mts									
SI No	Location	Chainage (in KM)		Length (in mts)	Width (in mts)	Area (in Sq mts)	Guidence Value in per Acre(in Rs)	Guidence Value (in Rs)/Sqrm	Amount (in Rs)
		from	To						
	Along the Road								
1	SRBC canal Near Panyam to Thammarajupalle	40.300	52.000	11700.00	0.70	8190	₹ 1,500,000.00	370.6449222	₹ 3,035,581.91
	Across the Road								
1	SRBC canal Near Panyam	51.900	52.000	150.00	1.20	180	₹ 1,500,000.00	370.6449222	₹ 66,716.09
Total Amount (Rs.)									
License Fee(Rs./Per Month) = Rs 3102298/(10*12)									
License Fee for 5 Year = Rs 25852.48*(5*12)									
For Public Utility of 33% of industrial Utilities as per MORT&H no RW/NH-33044/29/2015/S&R (R) Dated 22.11.2016									
₹ 3,102,298.00									
₹ 25,852.48									
₹ 1,551,149.00									
₹ 511,879.17									

Col. V. N. Reddy
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Assistant Executive Engineer
RWS & S Sub-Division,
Dhone Water Grid Projects
DHONE.

UNIT RATES - VILLAGE WISE

District Name

KURNOOL

Mandal Name

PANYAM

City/Town/Village

PANYAM

Survey No.

Select

To view Survey No. Wise Details

S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre	Effective Date (dd/mm/yyyy)
1.	SUGALIMETTA	Dry land	600,000	10/08/2020
2.	PANYAM	Dry land	600,000	10/08/2020
3.	SUGALIMETTA	Wet Land double crop	600,000	10/08/2020
4.	PANYAM	Wet Land double crop	600,000	10/08/2020
5.	SUGALIMETTA	Coconut Garden	600,000	10/08/2020
6.	PANYAM	Coconut Garden	600,000	10/08/2020
7.	SUGALIMETTA	House Sites	600,000	10/08/2020
8.	PANYAM	House Sites	0	10/08/2020
9.	SUGALIMETTA	Agricultural Land fit for H.S.	0	10/08/2020
10.	PANYAM	Agricultural Land fit for H.S.	3,630,000	10/08/2020
11.	SUGALIMETTA	Land abutting NH/SH/ZPP/MPP	3,630,000	10/08/2020
12.	PANYAM	Land abutting NH/SH/ZPP/MPP	1,500,000	10/08/2020
			1,500,000	10/08/2020

Back

Note :

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

PANYAM,

12-73,

UPPARIPETA, Panyam

Panyam

Phone : 275858

UNIT RATES - VILLAGE WISE

District Name

KURNOOL

Mandal Name

PANYAM

City/Town/Village

PANYAM

Survey No.

Select

To view Survey No. Wise Details

S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre	Effective Date (dd/mm/yyyy)
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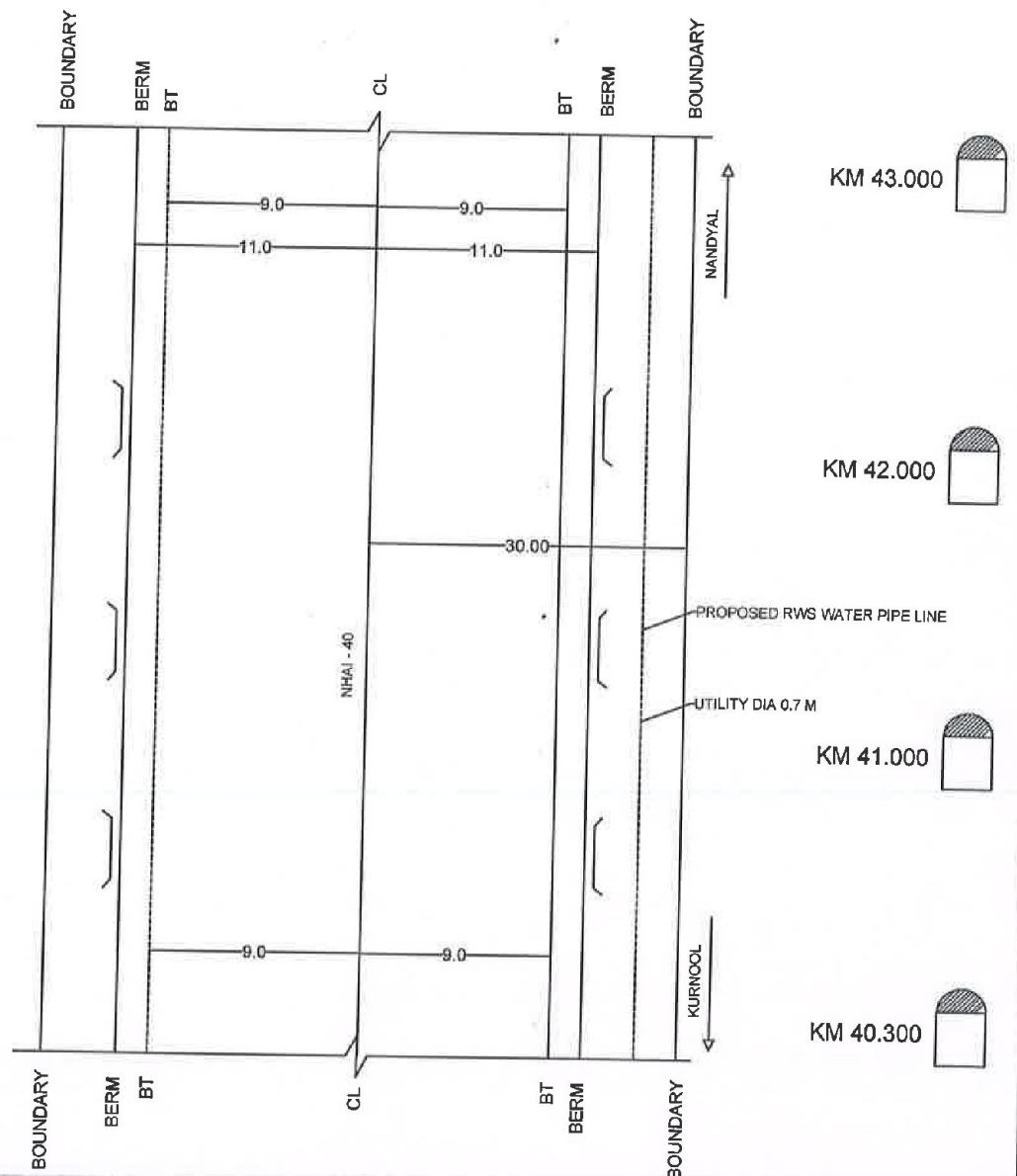
12-73,

UPPARIPETA, Panyam

Panyam

Phone : 275858

ROW PLAN FOR NEAR SRBC CANAL AT THAMMARAJUPALLE VILLAGE TO PANAYAM



LEGEND :

- ROAD BOUNDARY
- BERM
- BT

- - - LANE
- CULVERT/BRIDGE
- RAILWAY LINE

SCALE

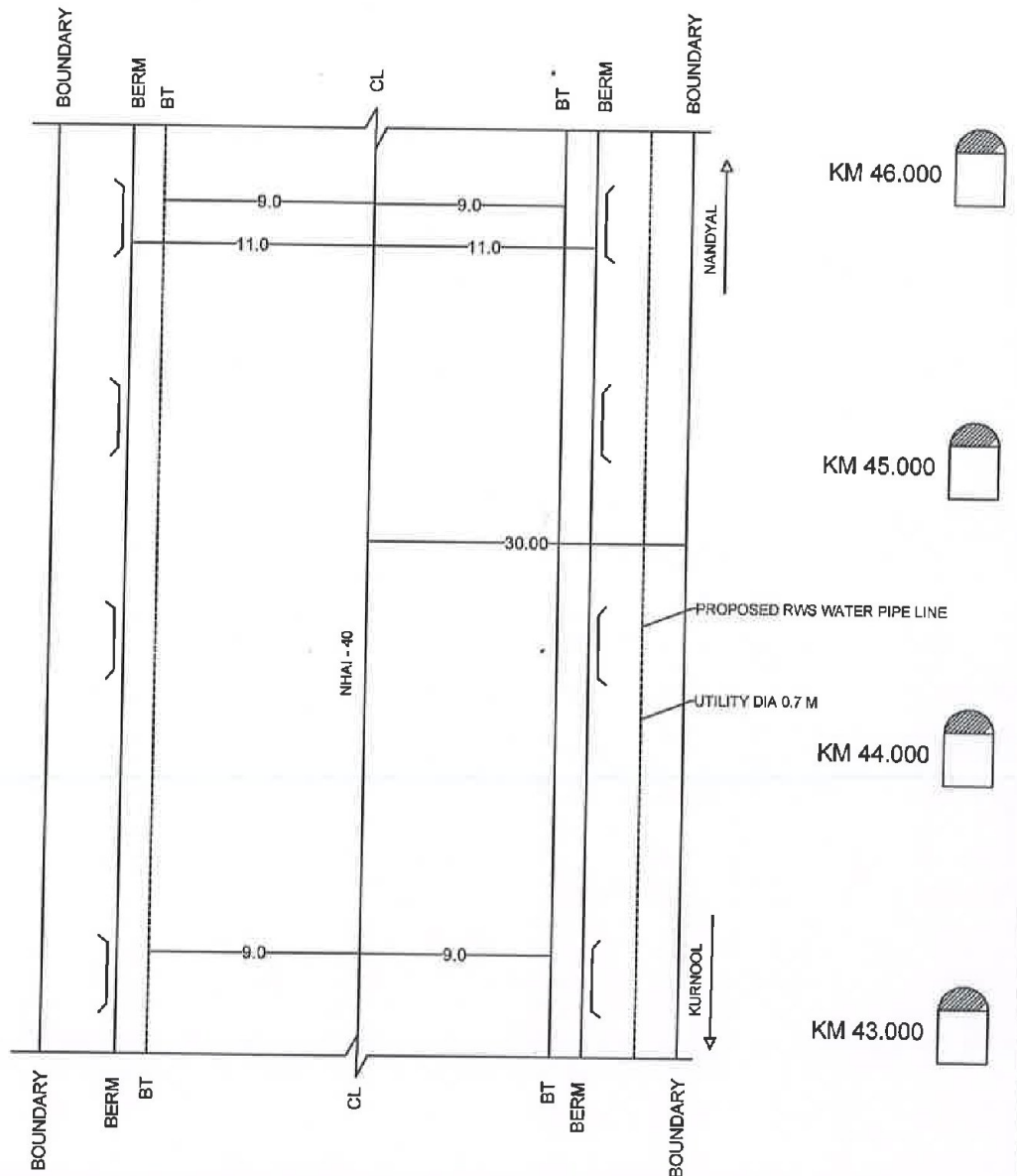
NOT TO SCALE

[Signature]
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Dhone Water Grid Projects
DHONE.

[Signature]
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RWS & S (P) Division, Kurnool.

ROW PLAN FOR NEAR SRBC CANAL AT THAMMARAJUPALLE VILLAGE TO PANAYAM



SECTION LENGTH = 3000 M

LEGEND :

- ROAD BOUNDARY
- BERM
- BT
- LANE



- CULVERT/BRIDGE
- RAILWAY LINE

SCALE

NOT TO SCALE

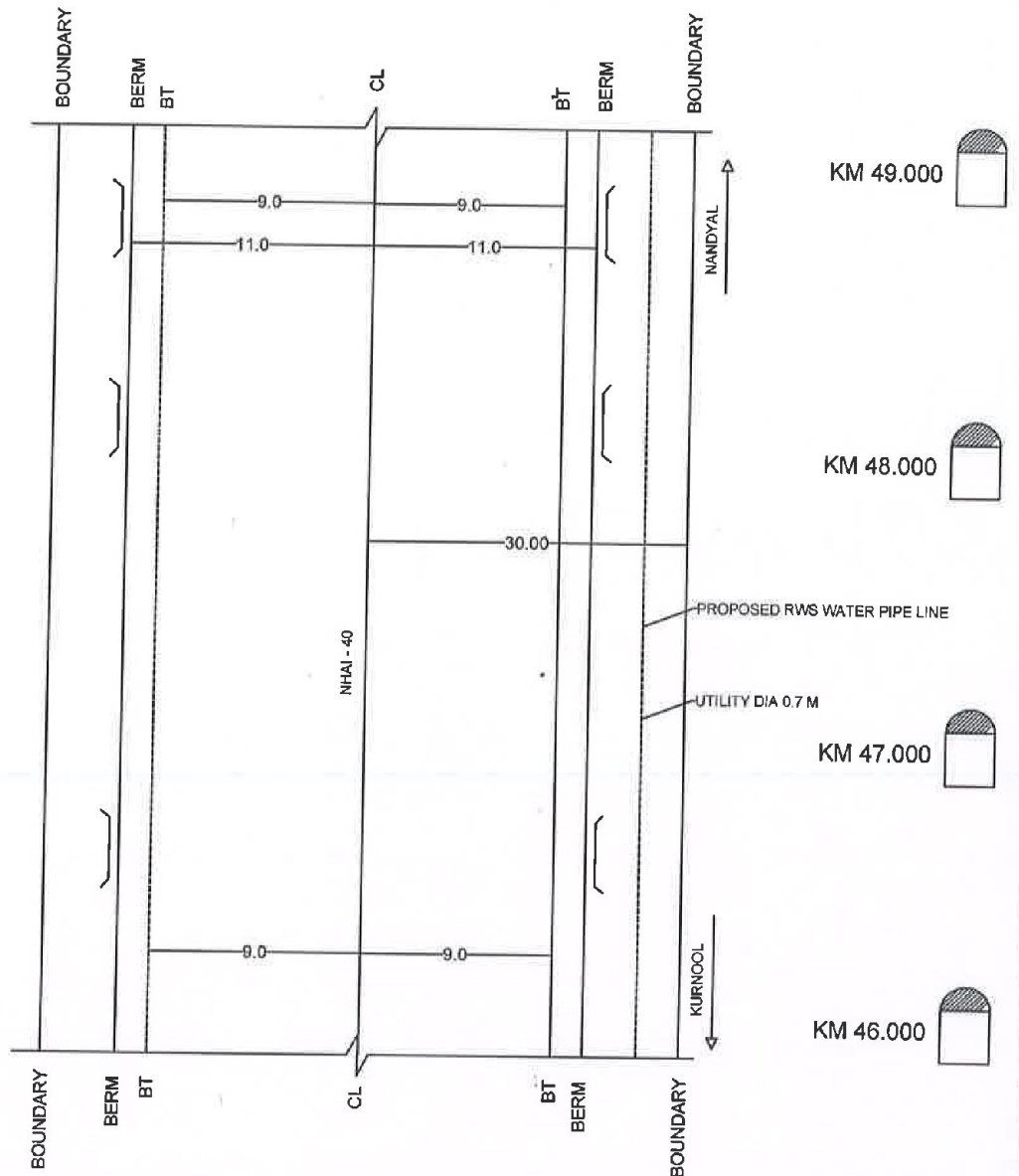
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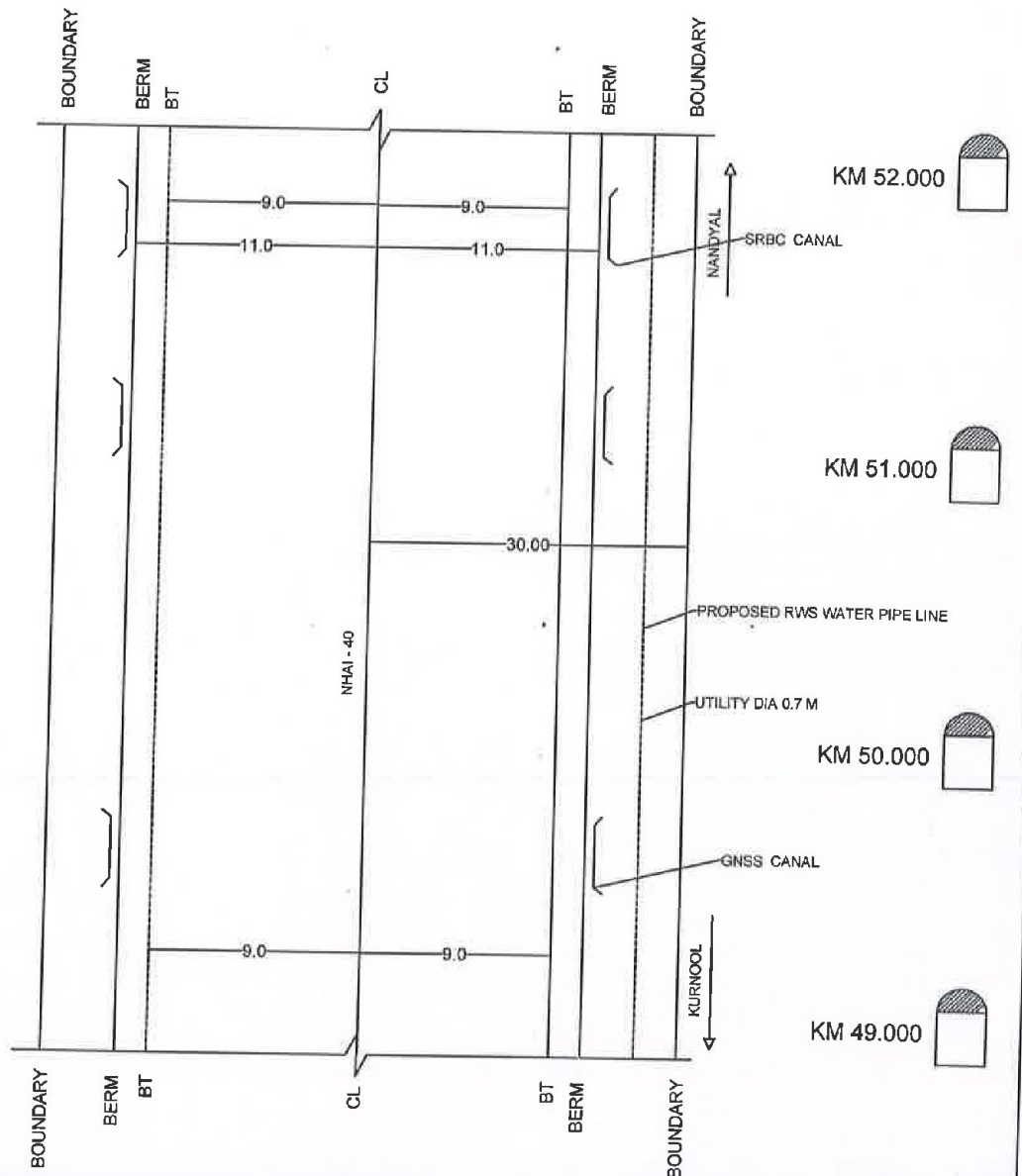
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