



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

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

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NHAI/PIU-ATP/11021/18/NOC/538

14.09.2018

Regional Officer

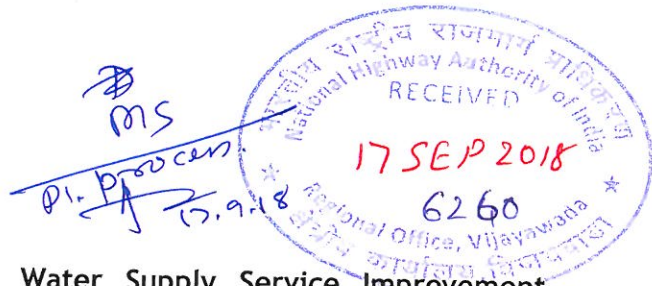
National Highways Authority of India

Regional Office

Plot No. 21, Teachers Colony

Gurunanak Nagar Road

VIJAYAWADA - 520 008



Sub:- APMDP Scheme - Comprehensive Water Supply Service Improvement Scheme - Laying of DI distribution pipe lines along and across NHAI in the Ananthapuramu Town - Bangalore Road section of NH 44 - Approval requested reg.,

- Ref:-**
1. Commissioner, Anantapur Municipal Corporation letter no.01 /ATP /CWSSIS/ APMDP/EE/(PM)/E2/2016-(2) dtd .04.2018 (received in this office on 26.04.2018).
 2. Commissioner, Anantapur Municipal Corporation letter no. 01/ATP/CWSSIS/APMDP/EE/(PM)/E2/2016-(2) dtd .07.2018 (received in this office on 26.07.2018).
 3. Commissioner, Anantapur Municipal Corporation letter no. 01/ATP-CWSSIS/APMDP/EE/(PM)/E2/2016-(2) dtd .07.2018 (received in this office on 27.07.2018).
 4. Commissioner, Anantapur Municipal Corporation letter no. 01/ATP-CWSSIS/APMDP/EE/(PM)/E2/2016-(2) dtd .09.2018 (received in this office on 05.09.2018).

Sir,

This has reference to Commissioner, Anantapur Municipal Corporation, Anantapuramu letter under reference 1st cited above, wherein a proposal for laying of pipeline for providing Municipal water supply to Anantapur Municipal Corporation along and across NH-44 i.e, crossing at Km.353.500, along LHS Km.352.100 to Km.353.800 i.e., 1.7 Kms and along RHS Km.352.600 to Km.353.900 i.e, 1.3 Kms of Hyderabad - Bangalore Road section of NH 44 in the State of Andhra Pradesh has been submitted and sought the approval.

2. The proposal submitted is as under.

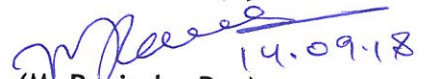
- | | | |
|--|---|---|
| (a) Length of pipe line to be laid | : | 1700 mts along LHS,
1300 mts along RHS,
60 mts across NH-44 |
| (b) Depth at which pipe line proposed to be laid | : | 1.20 m from ground level |
| (c) Location to be laid | : | In the utility corridor / Right of way of NHAI |
| (d) No. of crossings | : | 1 |

Handwritten signature and date: 14.09.18

3. Following particulars are furnished by the Applicant with the proposal.
- (a) Application & check list
 - (b) Bank Guarantee amounting to Rs. 7,65,000/- in the form of Cheque.
 - (c) License fee / lease rental amounting to Rs. 20,16,689/- in the form of Cheques.
 - (d) License agreement on stamp papers
 - (e) Undertaking for Relocation of pipelines as and when required
 - (f) Route plan
4. The proposal submitted by Commissioner, Municipal Corporation, Anantapur is in order and in accordance with MoRT&H guidelines. The certificate in respect of conformity of the proposal is enclosed. Further, License fee of Rs. 1/- in the form of DD will be collected from the applicant on receipt of approval.
5. As per the Policy Guidelines dtd 22.11.2016, the application shall be put out in the public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest).
6. Approval of the Competent Authority is sought for laying of water supply pipeline in the utility corridor of NH in the stretch i.e., crossing at Km.353.500, along LHS Km.352.100 to Km.353.800 i.e., 1.7 Kms and along RHS Km.352.600 to Km.353.900 i.e, 1.3 Kms.

Encl: As above (1 set of proposal)

Yours faithfully


(M. Ravindra Rao)
Project Director

Copy to:

**CERTIFICATE IN RESPECT OF LAYING WATER SUPPLY PIPE LINE BY
COMMISSIONER, MUNICIPAL CORPORATION, ANANTAPURAMU IN THE STRETCH
FROM KM 352.100 to Km 354.900 ON HYDERABAD - BANGALORE SECTION OF NH 44**

It is certified as under.

1. All the standard conditions issued vide Ministry / NHAI Circulars are incorporated in the proposal and the same is herewith confirmed.
2. Laying in any other location would be difficult and the installation of Water Supply pipe line with in ROW will not adversely affect the design, stability & traffic safety of the highway.
3. The available width of ROW is 60 m in the proposed section. However, Commissioner, Municipal Corporation, Anantapur has given the undertaking for shifting the pipe line as and when required.
4. The proposed permission will be entered in the register of records of the permissions in the prescribed proforma.


(M. Ravindra Rao)
Project Director

CHECK-LIST


Guidelines for Project Directors for processing the proposal for laying of Water Supply Pipeline in the land along National Highways vested with NHAI			
Relevant circulars			
1)	Ministry Circular No. NH-41 (58)/68 dated 31.01.1969.		
2)	Ministry Circular No. NH-III/P/66/76 dated 18/19.11.1976.		
3)	Ministry Circular No. RW/NH-III/P/66/76 dated 11.05.1982.		
4)	Ministry Circular No. RW/NH-11037/1/86-D01(ii) dated 28.07.1993.		
5)	Ministry Circular No. RW/NH-11037/1/86-D01 dated 19.01.1995.		
6)	Ministry Circular No. RW/NH-34066/2/95/ S&R dated 25.10.1999.		
7)	Ministry Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.09.2003.		
Check list for getting approval for laying of Water Supply Pipe Line on NH land			
Sl. No	Item	Information/ Status	Remarks
1	General Information	Proposal for laying of drinking water supply pipelines along and across at various places in Ananthapuramu Town between Hyderabad – Bangalore Road Section of NH44	
1.1	Name and Address of the Applicant/ Agency	Sri P.V.V.S Murthy, Commissioner, Municipal Corporation, Ananthapuramu.	
1.2	National Highway Number	NH 44	
1.3	State	Andhra Pradesh	
1.4	Location	Crossing between Bellary and Kalyanadurgam Junctions and LHS and RHS from Tapovanam to Nadimi Vanka	
1.5	(Chainage in km)	Crossing Km 353/2 to Km 353/4 LHS Km 352/0 to Km 354/2 RHS Km 352/4 to Km 354/2 Hyderabad and Bangalore Road Section of NH-44	
1.6	Length in Meters	Crossing – 60.00 m LHS – 1700.00 m RHS – 1300.00 m	
1.7	Width of available ROW	60.00 mtrs	
	(a) Left side from center line towards increasing chainage/km direction	Km 352/0 to Km 354/2	30.00 m
	(a) Right side from center line towards increasing chainage/km direction	Km 352/4 to Km 354/2	30.00 m
1.8	Proposal to lay underground Pipe line		
	(a) Left side from center line towards increasing chainage/km direction	Km 352/0 to Km 354/2	
	(b) Right side from center line towards increasing chainage/km direction	Km 352/4 to Km 354/2	
1.9	Proposal to acquire land NA	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	-	
1.12	1.12 Number of lanes (2/4 / 6/8 lanes) existing	4 lane	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/ 6/8 lanes)	-	

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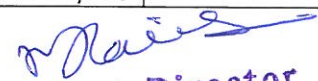
1.14	Service road existing or not	YES	
	If yes then which side		
	(a) Left side from center line	--	
	(b) Right side from center line	--	
1.15	Proposed Service road		
	(a) Left side from center line	--	
	(b) Right side from center line	--	
1.16	Whether proposal to lay Water Supply Pipe line is after the service road or between the service road and main carriageway	After service road	
1.17	<p>The Permission for laying of Water supply pipeline shall be considered for approval/ rejection based on the Ministry Circulars mentioned as above.</p> <p>(a) Carrying of sewage/gas pipelines on highway bridges shall not be permitted as Fumes/gases pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of water.</p> <p>(b) Carrying of Water pipe lines on bridges shall also be discouraged. However, if the water supply authorities seem to have no other viable alternative and approach the highway authority well in time before the design of the bridges is finalized, they may be permitted to carry the pipeline on independent superstructure, supported on extended portions of piers and abutments in such a manner that in the final arrangement enough free space around the superstructure of the bridge remains available for inspection and repairs, etc.</p> <p>(c) Cost of required extension of the substructure as well as that of the supporting superstructure shall be borne by the agency-in-charge of the utilities.</p> <p>(d) Services are not being allowed indiscriminately on the parapet/any part of the bridges, Safety of the bridges has to be kept in view while permitting various services along bridge. Approvals are to be Ministry's Project Chief Engineer only.</p>	Agreed with guidelines (Note: The pipeline is passing through land only and not on Bridges)	
1.18	If crossings of the road involved If Yes, it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expenses of the agency owing the line	YES	
	(a) Existing drainage structures shall not be allowed to carry the lines.	YES	
	(b) Is it on a line normal to NH	YES	
	(c) Crossings shall not be too near the existing structures on the National Highway, the minimum-distance being 15 meter. What is the distance from the existing structures	YES	
	(d) The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable	YES	
	(e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	YES	
	(f) The casing/ conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope toe of slope in the fills.	YES	
	(g) The top of the casing/ conduit pipe should be at least 1.2 meter below the surface of the road subject to being at least 0.3 m below the drain inverts.	YES	
	(h) Crossings shall be by boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	YES	
	(i) The casing/conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to pavement the formation of a waterway alone it.	YES	


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2	Document/Drawings enclosed with the proposal	Yes, Enclosed	
2.1	Cross section showing the size of trench for open trenching method (is it normal size of 1.2 m deep X 0.3 m wide) (i) Should not be greater than 60 Cm wider than the outer diameter of the pipe (ii) located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the centre-lines of the nearest carriageway (iii) Shall not be permitted to run along the National Highways when the road formation is suited in double cutting. Nor shall these be laid over the existing culverts and bridges (iv) These should be so laid that their top is at least 0.6 meter below the ground level so as not to obstruct drainage of the road land.	YES	
2.2	Cross section showing the size of pit and location of cable for HDD method	YES	
2.3	Strip plan/ Route plan showing water supply pipeline, Chainage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone. Inter sections. cross drainage works etc,	Enclosed	
2.4	Methodology for laying of showing water supply pipeline	Crossing by adopting trenchless technology (HDD method)	
2.41	Open trenching method. (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type. If yes. Methodology of refilling of trench	YES	
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	YES	
	(b) Unsuitable soil and rock edged should be excavated and replaced by selected material.	YES	
	(c) The backfill shall be completed in two stages (i) side -fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.	YES	
	(d) The side fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or bonding will not be permitted. (e) The road crust shall be built to the same strength as the existing crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench	YES	
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	YES	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line	Yes, Ananthapuramu Municipal Corporation will bear the cost of diversions.	
2.4.2	Horizontal Directional Drilling (HDD) Method	YES	
2.4.3	Laying of Water Supply pipeline through CD works and method of laying	YES	
	(a) On approaches, the water mains/ cables shall be carried along a line as close to the edge of the right of way as possible up to a distance of 30 m from the bridge and subject to all other stipulations contained in this Ministry's guidelines issued with letter No. NH-HI/P/66/76 dated :19.11.1976	YES	
3	Draft License Agreement signed by two witnesses	YES	
4	Performance Bank Guarantee in favour of NHAI has to be obtained @ Rs. 100/- per running meter (parallel to NH) and Rs. 1,00,000/- per crossing of NH, for a period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring/ making good the excavated trench for laying the cable/ ducts by proper filling and compaction, clearing debris/loose earth produced due to execution of trenching at least 50 m away from the edge of the right of way. No	Furnishes Rs 100/- per RMT and Rs 1,00,000/- per Crossing	


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	payment shall be payable by the NHAI to the licensee for clearing debris/ loose earth.		
4.1	Performance BG as per above is to be obtained	Ananthapuramu Municipal Corporation	
4.2	Confirmation of BG has been obtained as per NHAI guidelines	YES	
5	Affidavit/ Undertaking from the Applicant for	YES	
5.1	Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency	YES	
5.2	Renewal of Bank Guarantee	YES	
5.3	Conforming all standard condition of NHAI's guideline	YES	
5.4	Shifting of Water Supply pipeline as and when required by NHAI at their own cost	YES	
5.5	Shifting due to 6 lane / widening of NH	YES	
5.6	Indemnity against all damages and claims clause (xxiv)	YES	
5.7	Traffic movement during laying of water supply pipeline to be managed by the applicant	YES	
5.8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant	YES	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing Water Supply pipeline located in the National Highway right-of-ways	YES	
5.10	Expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying maintenance or shifting of the Water supply pipeline will be borne by the agency owning the line.	YES	
5.11	If the NHAI considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	YES	
5.12	Certificate from the applicant in the following format (i) Laying or water supply pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic. (ii) for 6-lanning "We do undertake that I will relocate service road/approach road/utilities at my own cost not withstanding the permission granted within such time as will be stipulated by NHAI" for future six-lanning or any other development".	YES, Enclosed	
6	Who will sign the agreement on behalf of water supply pipe line agency	Commissioner, Ananthapuramu Municipal Corporation	
7	Certificate from the Project Director		
7.1	Certificate for conforming of all standard condition issued vide Ministry Circular No. NH-41(58)/68 dated 31.01.1969, Ministry Circular No. NH-III/P/66/76 dated 18/19.11.1976, Ministry Circular No. RW/NH-III/P/66/76 dated 11.05.1982, Ministry Circular No. RW/NH-11037/1/86-D01(ii) dated 28.07.1993, Ministry Circular No. RW/NH-11037/1/86/D01 dated 19.01.1995, Ministry Circular No. RW/NH-34066/2/95/ S&R dated 25.10.1999 and Ministry Circular No. RW/NH-34066/7/2003 S&R (B) dated 17-8-2002	YES	
7.2	Certificate from PD in the following format (i) "it is certified that any other location of the Water Supply pipeline would be extremely difficult and unreasonable costly and the installation of Water Supply pipeline within ROW will not adversely affect the design, stability & traffic safety of the highway nor the likely future improvement Such as widening of the carriageway, easing of curve etc" (ii) for 6-lanning (a) Where feasibility is available "I do certify that there will be no hindrance to proposed six-lanning based on the feasibility report considering proposed structures at the said location". (b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-lanning".	Yes	

Ananthapur
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N. S. Rao
Project Director
NHAI, P. I. U., Ananthapur

8	If NH section proposed to be taken up by NHAI on BOT basis - a clause is to be inserted in the agreement. "The permitted Highway on which Licensee has been granted the right to lay Water pipeline /duct has also been granted to the concessionaire " Up gradation of ("Design, Construction, Development, Finance, Operation and Maintenance of Km.230.000 to km.278.000 (AP-7 Package) with Concessionaire M/S. Patel-KNR Heavy Infrastructures Pvt. Ltd., Dated: 05.09.2007" for pipe line crossing between section from Km 259/0 to Km 272/0 of NH No.44 (old NH7) on Nagpur Hyderabad Section and therefore, the licensee shall honour the same."	Yes	
9	Who will supervise the work of laying of Water Supply pipeline	IC/ NHAI	
10	Who will ensure that the defects in road portion after laying of Water Supply pipeline are corrected and if not corrected then what action will be taken.	IC/ NHAI	
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire..	Commissioner, Ananthapuramu Municipal Corporation	
12	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).	YES	
13	If any previous approval is accorded for laying of underground Water Supply pipeline then Photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed.	NA	

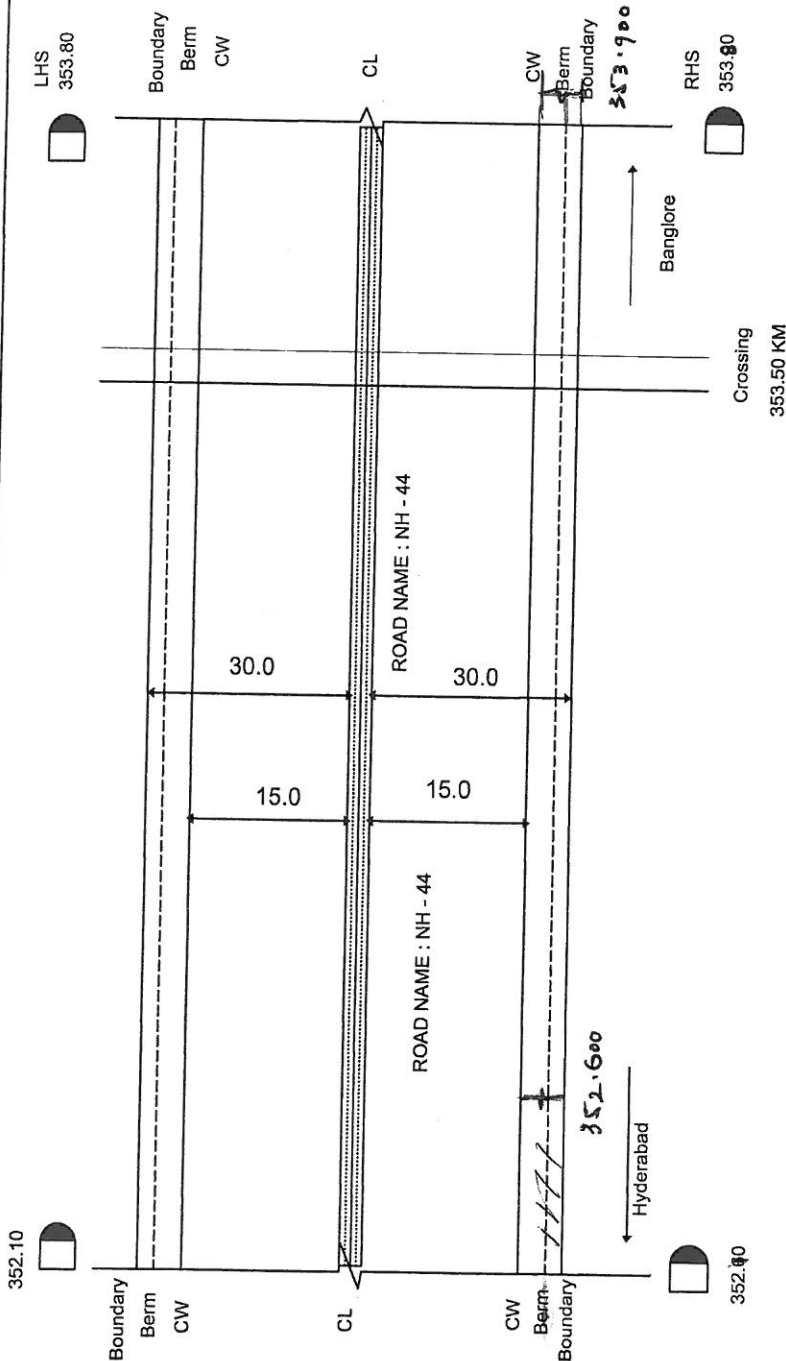
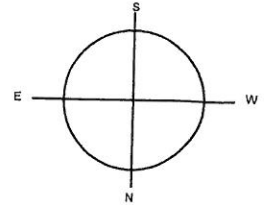
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Commissioner,
Municipal Corporation,
Anantapur

Project Director
NHAI, P.T.U., Anantapur.

ROW PLAN KALYANDURGAM ROAD CROSSING ROAD NAME : NH - 44



ALL DIMENSIONS ARE IN METERS

LEGEND:-

- BERM
- ROW BOUNDARY
- CW
- CULVERT/BRIDGE

SCALE

NOT TO SCALE

K. Ashok
M.A.C. name

[Signature]
Project Director
NHAI, P.U., Anantapur.