

**Government of India**  
**Ministry of Road Transport & Highways**  
**(Chief Engineer - Regional Office, Lucknow)**  
N.H. Bhawan, Biotech Chowk, Lucknow Ring Road, Vikas Nagar, Lucknow - 226 022  
Ph.: (0522) - 2967112, 2738226 (Tele-Fax)

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Dated: 21.04.2022

**Invitation of public comments**

**Sub.:** Proposal for NOC permission for crossing of water supply pipeline in Km.03.90 to km.5.506 (total length of 1636 meter) of NH-235 (Hapur road) in the state of Uttar Pradesh - Reg.

The Project Manager, Urban Work Unit-II, U.P. Jal Nigam, Merrut has submitted the proposal for laying & crossing of 250mm, 300mm & 350mm water supply pipeline through trenchless HDD method in Km.03.900 to km.05.506 (total length of 1636 meter) of NH-235 at district -Merrut in the State of Uttar Pradesh to Chief Engineer (NH), PWD, Lucknow for consideration.

2. The above proposal has been examined in this office in light of Ministry's guidelines issued vide OM No.RW/NH-33044/29/2015/ S&R(R) dated 22.11.2016. As per the guidelines, issued by the Ministry vide OM No.RW/NH-33044/29/2015/S&R(R) dated 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).

3. In view of the above, comments of the public on the above application (checklist enclosed) is invited to the below mentioned address:

The Chief Engineer - Regional Officer,  
Ministry of Road Transport & Highways,  
N.H. Bhawan, Biotech Chowk, Lucknow Ring Road,  
Vikas Nagar, Lucknow - 226 022.

Encl.: As above.

Yours faithfully,



(Mohd. Zaid)  
Assistant Executive Engineer  
for Chief Engineer - Regional Officer

**Copy to:**

- (i) NIC, New Delhi - for uploading on the Ministry's website.
- (ii) The Chief Engineer (NH), UP PWD, Nirman Bhavan, 96, M. G. Marg, Lucknow.

(Mohd. Zaid)  
Assistant Executive Engineer  
for Chief Engineer - Regional Officer

**CHECK LIST AS PER GUIDELINE OF GOVERNMENT OF INDIA MINISTRY OF ROAD TRANSPORT 2  
HIGHWAYS, LETTER NO. RW /NH -33044 /29 /2015 /S&R (R) Dated 22.11.2016**

1	Laying of utility lines along the National Highways	
1.1	The utility lines shall be located as close to the extreme edge of the right of way as possible but not less than 15 metre from the centre line of the nearest carriageway.	Water pipe line will be Laid at the end of R.O.W. along the nala at N.H. 235
1.2	The utility lines shall not be permitted to run along the National Highway when the road formation, is situated in double cutting Nor shall they be laid over the existing culverts and bridges without the prior approval of Government of	Not Applicable
1.3	The lines shall be so placed that at no time there is interference with maintenance of the National Highways.	Yes
1.4	These should be so laid that their top is at least 0.6 metre below the ground level or as otherwise directed by the Highway authority so as not to obstruct drainage of the road land.	Water pipe line will be Laid 1 M deep from existing ground level.
1.5	For all major bridges of 60 M or more in length to be constructed in future on National Highway the requirement of concerned Departments should be ascertained in advance and suitable provision in the form of ducts etc. made in the Project estimates. Any proposal to lay an electric cable carrying, high tension lines should be covered by a certificate that it will not have any deleterious effects on any of the bridge components and road way safety for traffic.	Not Applicable
2	Laying of the Utility Lines Across National Highways	
2.1	Location	At changan 4.200 KM (Near A -1 Motor works)
2.1.1	The lines shall cross the National Highway preferably on a line normal to it or as nearly so as practicable.	Yes -Agreed
2.1.2	Crossing shall not be too near the existing structures on the National Highway the minimum distance being 15 metre or as specified by the Highway Authority.	Yes -Agreed
2.2	Method of Crossing	
	The utility lines shall be permitted to cross the National Highway either encased in pipes or through structure or conduits specially built for that purpose at the expense of the agency owning the line Existing drainage structure shall not be allowed to carry the lines across unless specially permitted by the Government of India.	Yes- Agreed
2.3	Casing (Conduit) pipe	
	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 Ends of the casing conduit pipe shall be sealed from the outside so that it does not act as a drainage path	Yes- Agreed
2.4	Length of the Casing /Conduit pipe	30.00 m
	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.	Yes -Agreed
2.5	Depth of Embedment of the Casing /Conduit Pipe	
	The top of the casing /conduit pipe should be at least 1.2 metre below the surface of the road subject to being at least 0.3 m below the drain inverts.	Yes- Agreed
2.6	Method of Installation of the Casing /Conduit Pipe	By Horizontal Directional Drilling Method

*J.E.*

*A.P.E.*

*P.E.*

*Shes*  
Assistant Engineer  
NH Division, PWD,  
Ghaziabad

*22/11/16*  
Executive Engineer  
N.H. Div. P.W.D.  
Ghaziabad



2.6.1	The casing /conduit pipe may be installed under the road embankment either by boring or digging a trench installation by boring method shall be preferred specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	By Horizontal Directional Drilling Method / Trenchless
2.6.2	The casing /conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a waterway along it.	Yes Agreed
2.7	Installation by Trenching Method	
2.7.1	The sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30cm but not more than 60cm wider than the outer diameter of the pipe	Yes - Agreed
2.7.2	Filling of the trench shall conform to the specification contained herein below or as supplied by the Highway Authority	Yes - Agreed
2.7.3	Bedding shall be to a depth of not less than 30cm it shall consist of granular material, free of lumps clods and cobbles and graded to yield a firm surface without sudden change in the bearing value Unsuitable soil and rock edges should be excavated and replaced by selected material.	Yes - Agreed
2.7.4	The back fill shall be completed in two silages (i) side –fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.	Yes - Agreed
2.7.5	The side fill shall consist of granular material laid in 15cm layers each consolidated by mechanical tempering 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 pending will not be permitted.	Yes - Agreed
2.7.6	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 Care shall be taken to avoid the formation of a dip at the trench.	Yes - Agreed
2.8	Precautions when constructing by Trench Method.	
2.8.1	The excavation shall be protected by flagman sign board barricades and red lights during high hours.	As directed by department
2.8.2	One lane of road shall be kept open to traffic at all times, In case of single lane roads a diversion shall be constructed at the expense of agency owning the utility line.	Yes - Agreed
3	General	
3.1	Approval of the Highway Authority shall be obtained before undertaking any work of installation shifting or repairs or alternations lined located in the National Highway right-of-ways.	Yes - Agreed
3.2	Expenditure if any incurred by the Highway Authority for repairing any damage caused to the National Highway by the laying maintenance of shifting of the utility line will be borne by the agency owning the line.	Yes - Agreed
3.3	If the Highway Authority considers it necessary in the utility line for any work of improvement or repair to the edge. It will be carried out as desired by the Highway Authority at the cost of the agency owning the utility line within a reasonable time(nor exceeding 60 days ) of the intimation given.	Yes - Agreed

Assistant Engineer  
NH Division, PWD,  
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Project Manager  
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