

Dated: 05.05.2020

Invitation of public comments

Sub: Proposal for NOC permission for laying proposed 16" (Carbon Steel Pipe) Tundla-Gawaria Project Pipeline across asphalt road NH-92(234), Chobia to Bakhtiyarpur, at Km.42.900 in Chobiya Village, Tehsil & District - Etawah in the State of Uttar Pradesh - Reg - Reg

1. M/s Indian Oil Cooperation Limited has submitted the proposal for laying of pipe line crossing the route at Km. 42.900 on NH- 92 (234) to the Executive Engineer, NH Division, UP PWD, Etawah. In the submitted proposal, it has been reported that the proposed gas pipe line shall be laid using trenchless (HDD) method.
2. 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,



(Ruchir Agarwal)

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), U.P., P.W.D., 96, M.G. Marg, Lucknow - 226 001.
- (iii) M/s Indian Oil Corporation Limited, Tundla- Gawria Pipeline Project, Northern Region pipelines, E- 160, 1st and 2nd Floor, Kamla Nagar, Agra, Uttar Pradesh- 282 004

(Ruchir Agarwal)

Assistant Executive Engineer

For Chief Engineer - Regional Officer

CHECK - LIST	
NAME OF PARTY	Indian Oil Corporation Limited
CHAINAGE	NH92(234) (Chobia to Bakhtyarpur)
Pipeline Chainage-105.62km	
NH Chainage-42.900 ✓	
1	LAYING OF UTILITY LINES ALONG THE NATIONAL HIGHWAYS WHETHER COMPLIANCE WITH MORT&H
1.1	The utility lines shall be permitted to run along the National Highway when the road formation is situated in double cutting. Nor shall these be laid over the existing culverts and bridges without the prior approval of Government of India.
1.2	The lines shall be Placed that at no time there is interference within the maintainance top the national Highway.
1.3	These should be so laid that the their top is at 0.6m below the ground level or as otherwise directed by the highway authority so as not to obstruct drainage of the road land.
1.4	For all major briges of 60m more in length to be constructed in future on National Highway, the requirement of concerned Department should be ascertained in advance and suitable provision in the form of ducts etc. made in the project estimate. Any proposal to lay an electric cable carrying that it will not have any deleterious safety for the traffic.
2	Layig of utility lines across the National Highways
2.1	Locationn
2.1.1	The lines shall across the National Highway preferably on a line normal to it or nearly so as practicable.
2.1.2	Corssing shall not be too near the existing structure on the National Highway the minimum distance being 15m or as specified by the National highway.
2.2	Method of Crossing
2.3	The utility lines shall be permitted to across the National Highway either encased in pipes or through structure or conduits specially built for the purpose at the expenses of the agency owning the utility lines. Existing dtrainage structures shall not be allowed to carry the lines across unless specified permitted by the government of India.
2.3	Casing (Conduft) Pipe
2.4	The casing Pipe (or conduit pipe in the case of electric cable)carrying the utility line shall be steel, cast iron or reinforced cement concrete and having adequate strength and be large enough to permit ready withdrawal of the carried Pipe/cable. Ends of the casing /conduit Pipe shall be sealed from the outside, so that it does not act as a drainage path.
2.4	Lenght of the casing/conduit Pipe
2.5	The casing/conduit pipe should as minimum extend from drain to drain in cuts and toe to slop in the fills.
2.5	Depth of Embankment of the casing / Conduft Pipe
	The top of the casing / conduit Pipe should be at least 1.2m below the surface of the road subject to being at least 0.3m below the drain invert.

Executive Engineer
N.H. Div. P.W.D. Etawah
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2.6	Method of Installation of casing/Conduit Pipe	
2.6.1	The casing /conduit pipe may be installed under the road embankment either by boring or digging a trench. Installation by boring methods shall be preferred especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Pipeline crossing will be done by Horizontal Directional Drilling (HDD) method
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 information of waterway along it.	Pipeline crossing will be done by Horizontal Directional Drilling (HDD) method
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 atleast 30cm but not more than 60cm wider than the outer diameter of the pipe .	Not Applicable (Pipeline is being laid by Horizontal directional drilling method)
2.7.2	Filling of the trench shall confirm to the specification contained herein below or as supplied by the Highway Authority.	Not Applicable (Pipeline is being laid by Horizontal directional drilling method)
2.7.3	Bedding shall be to 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 edge should be excavated and replaced by selected Material.	Not Applicable (Pipeline is being laid by Horizontal directional drilling method)
2.7.4	The Backfilling shall be completed in two stages (i) side fill to the level of the pipe and (ii) overfill to the bottom of the road crust.	Not Applicable (Pipeline is being laid by Horizontal directional drilling method)
2.7.5	The fill consist of granular material laid in 15cm layers each consolidated by technical tempering and controlled addition of moisture to 95% of the proctor's density as the same material that had been removed. Consolidation by saturation or padding will not be permitted .	Not Applicable (Pipeline is being laid by Horizontal directional drilling method)
2.7.6	The road crust shall be built to the same strength as the existing crust on either side of the trench or o thickness and specification stipulated by the Highway authority.Care shall be taken to avoid the formation of a dip at the trench.	Not Applicable (Pipeline is being laid by Horizontal directional drilling method)
2.8	Precautions when construction by the trenching method.	Not Applicable (Pipeline is being laid by Horizontal directional drilling method)
2.8.1	The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	Not Applicable (Pipeline is being laid by Horizontal directional drilling method)
2.8.2	One lane of the road shall be kept open to traffic at all times. In case of single lane roads a diversion shall be constructed at the expenses of the agency owning the utility line.	Not Applicable (Pipeline is being laid by Horizontal directional drilling method)
3	General	
3.1	Prior approval of the Highway authority shall be obtained before undertaking any work of installation, shifting, repair or alterations to the utility lines located in the National Highway right of ways.	Yes
3.2	Expenditure if any incurred by the Highway authority for repairing any damage caused to National Highway by the laying maintainance of shifting of the utility line will be borne by the agency owning the line.	Acceptable
3.3	If the Highway authority considers 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 Highway authority at the cost of the agency owning the utility line within a reasonable time (not exceeding 60days) of the intimation given.	Acceptable

Executive Engineer
N.H. Div. P.W.D. Etawah
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