

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)

To,

Dated: 05.05.2020

The Chief Engineer (NH),  
U.P., P.W.D.,  
96, M.G. Marg,  
Lucknow - 226 001.

Sub.: Proposal for NOC permission for laying proposed 16" (Carbon Steel Pipe) Tundla-Gawaria Project Pipeline across asphalt road NH-91A (234) (Bharathana to Bidhuna) at Km. 33.100 in Dhakpura Village, Tehsil - Bharthana & District - Etawah in the State of Uttar Pradesh - Reg.

Sir,

Please refer to your letter no. 491NH/54N/19 dated 27.02.2020, with respect to the subject cited proposal for underground crossing of 16" dia pipeline on subject cited stretch.

2. The proposal has been examined and following observations are made:

- (i) The calculation sheet for determination of license fee, clearly mentioning the measurement details, i.e., length and diameter of the utility needs to be appended with the proposal. Further, the supporting document for circle rate to be adopted in license fee calculation sheet needs to be enclosed with the proposal.
- (ii) From the submitted proposal, it is noted that the power of attorney of the authorized signatory has not been enclosed. Further, an affidavit from the authorized signatory towards deponent is authorized to sign each and every paper on behalf of firm has not been enclosed with the proposal. The same may be sought from the Oil Company.
- (iii) It is seen that the license fee, submitted vide DD no. 685371 dated 11.11.2019 amounting to Rs 9,282/- had already expired prior to the submission of the proposal to this office. Accordingly, the fresh demand draft for the applicable license fee needs to be submitted.

3. Meanwhile, in the interest of the work, 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 has been put out in the public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest). However, in view of the above, the time barred DD no. 685371 dated 11.11.2019 amounting to Rs 9,282/- is returned herewith with request to submit the applicable license fees along with compliances of the above observations.

Yours faithfully,

Encl.: As above (DD no. 685371 dated 11.11.2019)




(Ruchir Agarwal)

Assistant Executive Engineer  
for Chief Engineer - Regional Officer

Copy to:

- i. The Executive Engineer, NH Division, UP PWD, Etawah.
- ii. M/s Indian Oil Corporation Limited, Tundla- Gawria Pipeline Project, Northern Region pipelines, E- 160, 1<sup>st</sup> and 2<sup>nd</sup> Floor, Kamla Nagar, Agra, Uttar Pradesh- 282 004



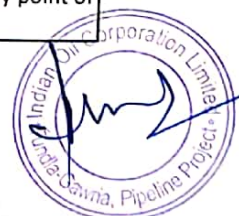
(Ruchir Agarwal)

Assistant Executive Engineer  
for Chief Engineer - Regional Officer

**CHECK -LIST**

NAME OF PARTY		Indian Oil Corporation Limited
NH91A(234) (Bharthana to Bidhuna)		
CHAINAGE		
Pipeline Chainage-128.35km ✓		
NH Chainage-33.100 ✓		
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.	Not applicable(Pipeline is being laid across the NH)
1.2	The lines shall be Placed that at no time there is interference within the maintainance top the national Highway.	Not applicable(Pipeline is being laid across the NH)
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.	Not applicable(Pipeline is being laid across the NH)
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.	Not applicable(Pipeline is being laid across the NH)
2	Layig of utility lines across the National Highways	
2.1	Location	NH91A(234) (Bharthana to Bidhuna) in Dhakpura village of Bharthana tehsil of Etawah District
2.1.1	The lines shall across the National Highway preferably on a line normal to it or nearly so as practicable.	Yes
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.	Not Existing
2.2	Method of Crossing	
	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 goverment of India.	The pipeline crossing will be done by Horizontal Directional Drilling (HDD) method which is technically advance than any other method (Casing, structure etc). The depth of pipeline will be min. 7 meter at any point of the road
2.3	Casing (Conduit) Pipe	
	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.	Not Applicable (Pipeline crossing will be done by Horizontal Directional Drilling method)
2.4	Lenght of the casing/conduit Pipe	
	The casing/conduit pipe should as minimum extend from drain to drain in cuts and toe to slop in the fills.	Not Applicable
2.5	Depth of Embankment of the casing / Conduit 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.	Pipeline crossing will be done by Horizontal Directional Drilling (HDD) method. The depth of pipeline will be min. 7meter at any point of the road.

**Executive Engineer**  
**N.H Div. P.W.D. Etawah**  
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2.6	<b>Method of Installation of casing/Conduit Pipe</b>	
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	<b>Installation by Trenching method</b>	
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	<b>Precautions when construction by the trenching method.</b>	
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	<b>General</b>	
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 maintenance 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. Bawal

