



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)

परियोजना कार्यान्वयन इकाई, सोहना / Project Implementation Unit, Sohna

प्लॉट संख्या-106, पी-ब्लॉक, उप्पल साउथएंड, सेक्टर-48, गुरुग्राम, (हरियाणा) - 122018

Plot No.-106, P-Block, Uppal Southend, Sector-48, Gurugram (Haryana) - 122018

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NHAI/PIU-Soh/DVE/Pkg-1/11009/NOC/HVPNL/2022-5224

Dated 15.12.2022

Invitation of Public Comments

Sub: Permission for crossing of under construction LILO of One circuit of 66KV D/C line from 220KV S/Stn. Roj-Ka-Meo to 66KV Sohna at 66Kv S/S/TN. Nimoth with under construction Delhi-Vadodara Expressway NH-148N, near Baluda Village, in Distt. Gurugram in the state of Haryana -Reg.


Project implementation Unit, Sohna has received a proposal of M/s Haryana Vidyut Prasaran Nigam Limited (HVPNL) for crossing of under construction LILO of One circuit of 66KV D/C line from 220KV S/Stn. Roj-Ka-Meo to 66KV Sohna at 66Kv S/S/TN. Nimoth over under construction Delhi-Vadodara Expressway at Km 8+875 near Baluda Village in Distt. Gurugram in the state of Haryana.

2. 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 in the Ministry's website for 30 days seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

3. In view of the above, the comments of public, if any, on the above mentioned proposal is invited on below mentioned address.

Regional Officer- Delhi
National Highways Authority of India,
G- 5 & 6, Sector-10, Dwarka, New Delhi-110075
Email: rodelhi@nhai.org

This is issued with the approval of Regional Officer, Delhi.


(Mudit Garg)
Project Director
PIU Sohna

Copy to:

1. Web Admin, NHAI-HQ-with request for uploading on the NHAI website.
2. The Technical Director, NIC, Transport Bhawan, New Delhi- with request for uploading on the Ministry's Website.
3. The Authorized Signatory, M/s Haryana Vidyut Prasaran Nigam Limited for information.
4. RO, Delhi, NHAI HQ, New Delhi -for information.

CHECK-LIST

Check list for getting approval for Overhead Electric line crossing across National Highway

S. No.	Item	Information/Status	Remarks
1	General Information	Creation of LILO of one circuit of 66KV D/C line from 220KV S/Stn. Roj-ka-Meo to 66KV S/Stn. Sohna at 66KV S/Stn. Nimoth.	
1.1	Name and Address of the Applicant	M/s Haryana Vidyut Prasaran Nigam Limited	
1.2	National Highway Number	NH-148 N / NE-4	
1.3	State	Haryana	
1.4	Location	Village - Baluda Dist - Gurugram	
1.5	(Chainage in km)	Km 8+875	
1.6	Length in Meters	N/A	
1.7	Width of available ROW	100 Mtr.	
	(a) Left side from center line towards increasing chainage/km direction	50 Mtr. /	
	(b) Right side from center line towards increasing chainage/km direction	50 Mtr.	
1.8	Proposal to lay the overhead electric line.		
	(a) Left side from center line towards increasing chainage/km direction	111.64 mtr	
	(b) Right side from center line towards increasing chainage/km direction	66.36 mtr	
1.9	Proposal to acquire land	No land acquisition required.	
	(a) Left side form center line (towards increasing chainage / Km. direction)	N.A.	
	(b) Right side from center line (towards increasing chainage / Km. direction)	N.A.	
1.10	Whether proposal is in the same side where land is not to be acquired	N.A.	
1.11	Details of already laid services, if any, along the proposed route	N.A.	
1.12	Number of lanes (2/4 / 6/8 lanes) existing	8 lane	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	8 Lane	
1.14	Service road (existing or not) Y/N if yes then which side	NO	

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	(a) Left side from center line	N.A.	
	(b) Right side from center line	N.A.	
1.15	Proposed Service Road		
	(a) Left side from center Line	N.A.	
	(b) Right side from center line	N.A.	
1.16	Whether proposal to lay cable is after the service road or between the service road and main carriageway	N.A.	
1.17	The permission for laying of water pipeline shall be considered for approval / rejection based on ministry circulars mentioned above.	N/A ✓	
1.17(a)	Carrying of water pipeline on highway bridges shall not be permitted as fumes / gases pipes can accelerates the process of corrosion or may cause explosions, thus being much more injurious that leakage of gas.	N/A	
1.17(b)	Carrying of Overhead water pipeline on bridges shall also be discouraged. However if the water supply authorities seem to have no other viable alternative and approach the high way authority well in the before the design of the bridge is finalized they may be permitted to carry the pipeline on the independent superstructure supported on extended portions of piers and abutments in such a manner ha in the final arrangement enough free spade around the superstructure of the bridge remains available for inspection and repairs etc.	N/A	
1.17(c)	Cost of required extension of the sub structure as well as that of the supporting superstructure shall be borne by the agency in charge utilities.	N/A /	
1.17(d)	Services are not being allowed indiscreetly on the parapet / any part of the bridge, safety of the bridges has to be kept in view while permitting various services along bridge, approvals are to be accorded in this regard with the concurrence of the Ministry's project Chief Engineers only.	N/A.	
1.18	If crossings of the road involved, if yes, it shall be either encased in pipelines or through structure or conduits specially built for that purpose at the expenses of the agency.	Line crossing is using overhead tower structure.	
1.18(a)	Whether existing drainage structure are allowed to carry electric line.	No.	
1.18(b)	Is it on a line normal to NH.	Overhead electric line on tower.	
1.18(c)	Crossing shall not be too near the existing structures on the National Highway the minimum distance being 15 meter .That is the distance from the existing structures.	Ok, it is more than 15.0Mtr.	
1.18(d)	The casing pipe (or conduit pipeline in the case of electric cable) carrying the utility line shall be of	Overhead electric line on tower.	

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	steel, cast iron or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carried pipe / cable.		
1.18 (e)	Ends of the casing / conduit pipeline shall be sealed from the outside, so that it does not act as a drainage path.	N.A.	
1.89 (f)	The casing / conduit pipeline should, as minimum extend from drain to drain in cuts and toe of slope in the fills.	N.A.	
1.18 (g)	The top of the casing / conduit pipeline should be at least 1.2 meter below surface of road subject to being at least 0.3 meter below the drain inverts. Mentioned the proposed details.	N.A.	
1.18 (h)	Crossing shall by boring method (HDD) specially where existing road pavement is of cement concrete of dense bituminous concrete type.	N.A.	
1.18(i)	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.	N.A.	
2.	Document/Drawings enclosed with the proposal		
2.1	<p>Cross section showing the size of trench for open trenching method (Is it normal size of 1.2m deep x 0.3 m wide)</p> <p>Should not be greater than 60 cm wider than the outer diameter of the pipeline.</p> <p>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.</p> <p>Shall not to be permitted to run across the National Highway when the road formation is situated in double cutting. Nor shall be these are laid over the existing culverts or bridges.</p> <p>These should be so laid that top is at least 0.6 meter below the ground level so as not to obstruct drainage of the road land.</p>	<p>No trenching will be done</p> <p>(i) NA</p>	
2.2	Cross section showing the size of pit and location of cable for HDD method	N.A.	
2.3	Strip plan/Route Plan showing the OFC, Chainage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drainage works etc.	N.A.	
2.4	Methodology for laying of electric line.	Attached.	
2.4.1	Open trenching method (May be allowed in utility corridor only where pavement is neither cement	N.A.	


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	concrete nor dense bituminous concrete type. If yes, what is the methodology of refilling of trench.		
	The Trenchless width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipeline.	N.A.	
	For filling of the trench bedding shall be to a depth of not less than 30 cm .it shall consist of granular material, free of lumps, clods and cabbies and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material.	N.A.	
	The backfill shall be completed in two stages (i) side fill to the level of the top of the pipeline and (ii) Overfill to the bottom of the road crust.	N.A.	
	The side fill shall consist of granular material laid 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 for pounding will not be permitted.	N.A.	
	The road crust shall be built to the same strength the existing crust on either side of the trench . Care shall be taken to avoid the formation of dip at the trench.	N.A.	
	The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	N.A.	
	If required, a diversion shall be constructed at the expanse of the agency owning the utility line.	N.A.	
2.4.2	Horizontal Directional Drilling (HDD) Method	N.A.	
2.4.3	Methodology for laying of pipeline through CD works and method of lying. In cases where the carrying of water pipeline on the bridge becomes inescapable.	N.A.	
3.	Draft license Agreement signed by two witnesses	Attached. ✓	
4.	Performance Bank Guarantee in favour of NHAI has to be obtained @ Rs. 100/- per running meter (parallel to NH) and Rs. 1.0 Lakh per crossing of NH for a period of one year initially (Extendable if required till satisfactory completion to work) as a security for ensuring / making goods the excavated trench for crossing the water pipeline / ducts by proper filling and compaction, clearing debris / loose earth. Performance BG as per above is to be obtained.	shall be submitted on receipt in principle approval.	
4.2	Confirmation of BG has been obtained as per NHAI guidelines	shall be submitted on receipt in principle approval.	


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5	Affidavit/ Undertaking from the Applicant for the following is to be furnished.		
5.1	Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	Agreed.	
5.2	Renewal of Bank Guarantee	Agreed.	
5.3	Confirming all standard condition of Ministry circulars and NHAI's guideline	Agreed.	
5.4	For Shifting of pipe line as and when required by NHAI at their own cost.	Agreed.	
5.5	For Shifting of water pipeline due to six laning / four laning widening of NHAI. <i>ugm</i>	Agreed.	
5.6	For Indemnity against all damages and claims.	Agreed.	
5.7	For Traffic movement during crossing of pipeline to be managed by the applicant	Agreed.	
5.8	If any claim is raised by the Concessionaries then the same has to be paid by the applicant	Agreed.	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the water pipeline / any other utility located in the National highway right of ways.	Agreed.	
5.10	Expenditure, if any, incurred by NHAI for repairing any damage caused to the national highway by crossing, maintenance or shifting of the water pipeline will be borne by the applicant agency owning the line.	Agreed.	
5.11	If the NHAI considers it necessary in future to move the utility line for any work of improvement of repairs to the road, it will be carried out as desired by NHAI at the cost of the agency owning the utility line within the reasonable time (not exceeding 60 days) of the intimation given.	Agreed.	
5.12	Certificate for 4-laning from the applicant in following format 1. "Crossing of water pipeline will not have any dexterous effects on any of the bridge component and roadway safety for traffic. 2. "We do undertake that I/We will relocate service road / approach road / utilities at my / our own cost notwithstanding the permission granted within such time as will be stipulated by NHAI" for future four / six laning or any other development.	Agreed.	
6.	Who will sign an agreement behalf of agency	M/s Haryana Vidyut Prasaran Nigam Limited	
	Power of attorney to sign the agreement is available or not.	Yes ; Enclosed	
7.	Certificate from the Project Director	Yes	

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7.1	Certificate for confirming of all standard condition issued vide Ministry Road and Transport & Highways Circular No. NH-41 (58)/68 dated 31.01.1969 Ministry Circular No. NH III/66/76 dated 11.05.1976, Ministry Circular No. RW/NH-III/P/76 dated 11.05.1982, Ministry Circular No. RW/NH-III/P/76 dated 11.5.1982, Ministry Circular No. 11037/1/86-DOL 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 17.09.2003 & dated 07.08.2013 & 02.04.2014 & RW/NH-33044/29/2000-S&R (R) dated 22.11.2016. ✓	Yes	
7.2	Certificate for PD in the following format (i) "It is certified that any other location of the overhead electric line would be extremely difficult and unreasonably costly and installation of water 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 laning (a) Where feasibility is available "I do certify that there will be no hindrance to the feasibility report considering proposed structure at the said location". (b) In case feasibility report is not available " I do certify that sufficient RoW is available at side for accommodating six laning".	Yes	
8.	The agreement fee of Rs. 1 shall be charged	Yes	
9.	If NH section proposed to be taken up by NHAI on BOT basis - a clause in para 17 to be inserted in the agreement. <i>"The permitted Highway on which Licensee has been granted the right to lay cable/duct has also ben granted as a right of way to the concessionaire under the concession agreement for up=gradation of [..... section from Km ----- to km ----- of NMH No.- ----- on Build, Operate and Transfer Basis] and therefore, the licensee shall honour the same."</i>	Inserted.	
10.	Who will supervise the work of laying of OFC	----	
	(a) On behalf of the applicant.		
	(b) On behalf of the NHAI	N.A.	
12.	Who will ensure that the defects in road portion after laying of OFC are corrected and if not corrected then what action will be taken.		
	(a) On behalf of the applicant.		
	(b) On behalf of the NHAI	N.A.	
13.	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire.	N.A.	

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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).	Yes	
15.	If any previous approval is accorded for crossing of underground water pipeline then Photocopy of register of records of permissions accorded as maintained by PD (as per Ministry Circular No. RW/NH/33044/17/2000/S&R dated 23.7.2003) as referred in para 13 above is enclosed or not.	N.A.	

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