



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport & Highways, Govt. of India)



क्षेत्रीय कार्यालय, ओडिशा / Regional Office, Odisha

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NHAI/13011/54/RO/OD/ 209/2022

07.07.2022

To

The Sr. Technical Director,
NIC Centre at MoRTH,
Transport Bhawan,
New Delhi 110001

Sub: Puintola- Ichchapuram section of NH-16 (Old NH-5) from km.419.600 to km.484.000- Laying of DI Pipeline along NH- from Km. 429+550 to Km.430+900 (LHS)- Reg

Sir,


Please find enclosed herewith a proposal of Superintending Engineer, PH Division, Bhanjanagar at Chatrapur for Laying of DI Pipeline along NH- from Km. 429+550 to Km.430+900 (LHS). The details is as under:

Sl No.	Description	Chainage		Dia of DI pipeline (mm)	RHS/LHS	Remarks
		From	To			
1.	Along	429+550	430+900	150	LHS	From Govt. Science College Chhaka to Tulasinagar Chhaka of Chatrapur NAC

2. Accordingly, as per guidelines issued by MoRTH vide F. No. RW/NH-33044/29/2015/S&R(R) dt. 22.11.2016, the application along with the recommendations of concerned PD/Consultants are enclosed herewith with request to hoist the same in the Ministry's Website for public comments within 30 days of uploading on the website.

This is issued with the approval of the "Regional Officer, NHAI, Regional Office, Odisha, Bhubaneswa.

Yours faithfully,


07/07/2022
(Sunil Kumar)
DGM (Tech)



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
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NHAI/13011/54/RO/OD/ 2090 /2022

07.07.2022

INVITATION OF PUBLIC COMMENTS

Sub: Puintola- Icchapuram section of NH-16 (Old NH-5) from km.419.600 to km.484.000- Laying of DI Pipeline along NH- from Km. 429+550 to Km.430+900 (LHS)- Reg

Superintending Engineer, PH Division, Bhanjanagar at Chatrapur has submitted a proposal for Permission to Laying of DI Pipeline along NH- from Km. 429+550 to Km.430+900 (LHS). The details is as under:

Sl No.	Description	Chainage		Dia of DI pipeline (mm)	RHS/LHS	Remarks
		From	To			
1.	Along	429+550	430+900	150	LHS	From Govt. Science College Chhaka to Tulasinagar Chhaka of Chatrapur NAC

2. As per guidelines issued by MoRTH vide F. No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, the Highway Administration will put out the application 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, the comments of public, if any, on the above mentioned proposal is invited on below mentioned address:

The Regional Officer,
National Highways Authority of India,
Regional Office, Odisha
301-A, 3rd Floor, Pal Heights,
J/7, Jayadev Vihar, Bhubaneswar 751013, Odisha
e-mail : roodisha@nhai.org

This is issued with the approval of the "Regional Officer, NHAI, Regional Office, Odisha, Bhubaneswar".


07/07/2022
(Sunil Kumar)
DGM (Tech)

National Highways Authority of India,
Regional Office, Odisha
301-A, 3rd Floor, Pal Heights,
J/7, Jayadev Vihar, Bhubaneswar 751013

CHECK LIST

Check list for getting approval for laying of Water Supply Pipe Line on NH land

SI No	Item	Information / Status	Remarks
	Tracking ID	Site not accessible	
1	General Information		
1.1	Clearance category	Utility	
1.2	Clearance application type	Water pipeline	
1.3	Name and Address of the Applicant/Agency	Superintending Engineer, P.H. Division, Bhanjanagar at Chatrapur	
1.4	National Highway Number	16	
1.5	State	Odisha	
1.6	Location	Chatrapur	
1.7	Stretch	Govt. Science College Chhaka to Tulasinagar Chhaka of Chatrapur N.A.C.	
1.8	(Chainage in km)	Km 429 + 550 LHS to Km 430 + 900 LHS	
1.9	Latitude - Longitude	19° 21'00"N to 19° 21'04" N	
		84° 59'08" E to 84° 58'24" E	
1.1	Length in Meters	1350.00 mtr	
1.11	Width of available ROW		
	a) Left side from center line towards increasing chainage/ km direction.	10.98 mtr	
	b) Right side from center line towards increasing chainage/ km direction.	10.98 mtr	
1.12	Proposal to lay underground electrical cable.		
	a) Left side from center line towards increasing chainage/ km direction.	Not Applicable	
	b) Right side from center line towards increasing	Not Applicable	
1.13	Proposal to acquire land	Not applicable	
	a) Left side from center line		
	b) Right side from center line		
1.14	Whether proposal is in the same side where land is not to be acquired		
	if not then where to lay the cable.	Within ROW	
1.15	Detail of already laid services if any along the proposed route.	150 mm. dia Ductile Iron (K - 7) pipeline all along the proposed	
1.16	Number of lands (2/4 / 6/8 lans) existing	4 Lane	

SI No	Item	Information / Status	Remarks
1.17	Proposed Number of lanes (2 lane with paved shoulders/4 / 6/8 lanes)	Not Known	
1.18	Service road existing or not	Existing	
	if yes then which side	Both side	
	a) Left side from center line	12	
	b) Right side from center line	12	
1.19	Proposed service road		
	a) Left side from center line	Not Known	
	b) Right side from center line	Not Known	
1.20	Whether proposal to lay Water Supply Pipe line is after the service road or between the service road and main carriageway.	Does not arise	
1.21	<p>The permission for laying of water supply pipe line shall be considered for approval/ rejection based on the Minisry Circulars mentioned as above.</p> <p>(a) Carrying of sewage/ gas pipeline on highway bridges shall not be permitted as FFUrmes/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 bridge 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 spade aaround the superstructure of the bridge remains available for inspection and repairs, etc.</p> <p>(c) Cot 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 accorded in this regard with the concurrence of the Ministry's Project Chief Engineers Only.</p>	<p>Requested for approval of permission, as it is public essential utility service</p> <p>Not required</p>	

SI No	Item	Information / Status	Remarks
1.22	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 owning the line.	NH crossing not required.	
	(a) Existing drainage structures shall not be allowed to carry the lines.	No such case.	
	(b) Is it on a line normal to NH		
	c) Crossing shall not be too near existing structures on the National Highway, the minimum distance being 15meter. What is the distance from the existing structures.	Crossing not required.	
	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 adewate strength and be large enough to permite ready withdrawal of the	No such case.	
	e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	No such case.	
	f) The casing / coduit pipe should as minimum extend from drain to drain in cuts and toe of slope toe of slope in the fills.	No such case.	
	g)The top pf the casing / coduit 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..	No such case.	
	h)Crossing shall be by boring methord (HDD) specially. Where the existing road pavement is of cement concrete or dense bituminous concrete type.	No such case.	
	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.	No such case.	
2	Document / Drawings enclosed with the proposal.	Enclosed	
2.1	Cross section showing the size of trench for open renching method (Is it normal size 1.2m deep X 0.3m wide) (i) Should not be greater than 60cm wider then outer diameter of the pipe. (ii) Located as close to the extreme edge of the right-of-way as possible but not less than 15meter from the centre-lines of the nearest carriageways. iii)Shall not be peemitted to run along the National Highways when the road formation is situated in double cutting. Nor shall these be laid over the existing culverts and bridges.	Enclosed	

SI No	Item	Information / Status	Remarks
	(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.		
2.2	Cross section showing the size of pit and location of cable for HDD method.	HDD Method not required	
2.3	Strip plan/Route Plan showing Water Supply pipe line Chainage, width of ROW, distance of proposed, cable from the edge of ROW important mile stone intersection, cross drainage work etc.	Enclosed	
2.4	Methodology for laying of showing Water Supply Pipe Line	Manual	
2.4.1	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.	Open trench method	
	(a) The trench width should be at least 30cm, but not more than 60cm wider the outer diameter of the pipe.	As per guideline.	
	(b) For filling of trench, 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 edged should be excavated and replaced by selected material.	As per guideline.	
	(c) The backfill shall be complete 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.	As per guideline.	
	(d) The sidefill shall consist of granular material laid in 15cm 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 ponding will not be permitted.	As per guideline.	
	(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.	As per guideline.	
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	As per guideline.	

SI No	Item	Information / Status	Remarks
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line.	As per guideline.	
2.4.2	Horizontal Directional Drilling (HDD) Method.	Not required	
2.4.3	Laying of Water Supply Pipe line thorough CD works and method of laying.	Guidelines will be followed during execution	
	(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 30m 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.	As per guideline.	
3	Draft License Agreement signed by two witnesses.	Enclosed	
4	Performance Bank Guarantee in favour of NHAI has to be obtained @ Rs 250/- per running meter (parallel to NH) and Rs. 4,00,000/- 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 cables / ducts by proper filling and compaction clearing debris/loose earth produced due to execution, of trenching at least 50m away from the edge of the right of way. No payment shall be payable by the NHAI to the licensee for clearing debris/loose earth.	Enclosed	
4.1	Performance BG as per above is to be obtained.	Enclosed	
4.2	Confirmation of BG has been obtained as per MoRTH guidelines.	Undertaking enclosed	
5	Affidavit/ Undertaking from the Applicant for		
5.1	Not to Damage to other utility if damaged then to pay losses either to MoRTH or to the concerned agency.	Undertaking enclosed	
5.2	Renewal of Bank Guarantee	Undertaking enclosed	
5.3	Confirming all standard condition of MoRTH guideline	Guidelines will be followed during execution	
5.4	Shifting of Water Supply pipe line as and when required by MoRTH at their own cost.	Undertaking enclosed	
5.5	Shifting due to 6 lanning/ widening of NH	Undertaking enclosed	
5.6	Indemnity against all damages and claims clause (xxiv)	Undertaking enclosed	
5.7	Traffic movement during laying of water supply pipe line to be managed by the applicant.	Undertaking enclosed	

SI No	Item	Information / Status	Remarks
5.8	If any claim is raised by the Concessionaire then the same	Undertaking enclosed	
5.9	Prior approval of the MoRTH shall be obtained before undertaking any work of installation, shifting, or repairs or alterations to the showing Water Supply pipe line locates in the National Highway right-of-ways.	Undertaking enclosed	
5.10	Expenditure if any incurred by MoRTH for repairing any damaged caused to the National Highway by the laying maintenance or shifting of the Water Supply pipe line will be borne by the agency owning the line.	Undertaking enclosed	
5.11	If the MoRTH considers it necessary in future to move the utility line for any work of improvement or repair to the road, it will be carried out as desired by the MoRTH at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Undertaking enclosed	
5.12	Certificate from the applicant in the following format. (i) Laying of 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/utility at my own cost not with standing the permission granted with in such time as will be stipulated by NHAI" for future six lanning or any other development.	Certificate enclosed	
6	Who will sign the agreement on behalf of Water Supply pipe line agency	Superintending Engineer, P.H. Division, Bhanjanagar at Chatrapur	
7	Certificate from Regional Officer.		
7.1	Certificate for confirming of all standard condition issued vide Ministry Circular No. NH-41 (58)/68 dated 31.01.1969 Ministry Circular No. 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-DOI (ii) dated 28.07.1993, Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.01.1995, Ministry Circular No. RW/NH-34066/2/95/S&R dated 25.10.1999, Circular No. RW/NH-33044/29/2015 S&R dated 22.11.2016	Undertaking enclosed	

SI No	Item	Information / Status	Remarks
7.2	Certificate form RO in the following formate (i) "It is certified that any other location of the Water Supply pipe line would be extremely difficult and unreasonable costly and the installation of Water Supply pipe line within ROW will not adversely affect the design, stability & traffic safety of the highway not 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 proposed six laning 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 laning	Undertaking enclosed	
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 cable /duct has also been granted as a right of way to the concessionaire under the concession agreement for up gradation of (..... Section from Km 429 + 550 LHS to Km 430 + 900 LHS of NH No. 16 on Build Operate and Trasfer Basis) and therefore the licensee shall honour the same.	Enclosed	
9	Who will supervise the work of laying of Water Supply Pipe Line	As per norm.	
10	Who will ensure that the defects in road portion after laying of Water Supply Pipe Line are corrected and if not corrected then what action will be taken.	As per norm.	
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire	As per norm.	
12	A certificate from RO that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed).	To be issued by NHAI	
13	If any previous approval is accorded for laying of underground water Supply Pipe Line then Photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed.	Enclosed	



परियोजना निदेशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
प.का. 3, ब्रह्मपुर /PIU, Berhampur

9/11/22
Superintending Engineer
Superintending Engineer
P.H. Division, Bhanjanagar
At-Chhatrapur (Gm.)