



**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

301 - ए, तीसरी मंजिल, पाल हाईट्स, प्लॉट नं जे/7, जयदेव विहार, भुवनेश्वर - 751013, ओडिशा  
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NHAI/13011/54/RO/OD/2093/2022

07.07.2022

To

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

Sub: Puintola- Icchapuram section of NH-16 (Old NH-5) from km.419.600 to km.484.000- Laying of drinking water pipeline along the NH from Km.477.334 to 484.000 (RHS) under RWSS Division, Palasa- Reg

Sir,


Please find enclosed herewith a proposal of Executive Engineer, RWSS Division, Palasa for Permission to laying drinking water pipeline along the NH from Km.477.334 to 484.000 (RHS). The details is as under:

Sl No.	Description	Chainage		Dia of DI pipeline (mm)	Dia of MS casing pipe (mm)	RHS/LHS
		From	To			
1.	Along	477+334	484+000	450	450	RHS

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/ 2092/2022

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 drinking water pipeline along the NH from Km.477.334 to 484.000 (RHS) under RWSS Division, Palasa- Reg

Executive Engineer, RWSS Division, Palasa has submitted a proposal for Permission to laying drinking water pipeline along the NH from Km.477.334 to 484.000 (RHS). The details is as under:


Sl No.	Description	Chainage		Dia of DI pipeline (mm)	Dia of MS casing pipe (mm)	RHS/LHS
		From	To			
1.	Along	477+334	404+000	450	450	RHS

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 for getting approval for laying of water supply pipe line @ Km 477/334 to 484/0 . in between the section of Ichchapuram of NH16 in the state of AP .**

S No	Item	Information/Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant/Agency	SE,RWS&S,Srikakulam Circle,Srikakulam,AP	
1.2	National Highway Number	NH-16	
1.3	State	AP	
1.4	Location	Ichchapuram	
1.5	(Chainages in km)--crossing	477/334 to 484/0	
1.6	Length in Meters	6666	
1.7	Width of available ROW	Enclosed	
	(a) Left side from center line towards increasing chainage/km direction		
	(b) Right side from center line towards increasing chainage/km direction		
1.8	Proposal to lay underground water Pipe Line	---	
	(a) Left side from Center	---	
	(b) Right side from center line	yes	
1.10	Whether proposal is in the same side where land is not to be acquired	No	
	If not then where to lay the pipeline	---	
1.11	Details of already laid services, if any along the proposed route		
1.12	Number of lanes (2/4 / 6/8 lanes) existing	4	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4 / 6/8 lanes)	---	
1.14	Service road existing or not	yes	
	If yes then which side	yes	
	(a) Left side from center line	yes	
	(b) Right side from center line	yes	
1.15	Proposed Service road	NA	
	(a) Left side from center line	---	
	(b) Right side from center line	---	
1.16	Whether proposal to lay Water Supply Pipe line is after the Service road or between the Service road and main carriageway	---	



S No	Item	Information/Status	Remarks
1.17	<p>The Permission for laying of Water Supply Pipe Line shall be considered for approval / rejection based on the Ministry Circulars mentioned as above.</p> <p>(a) Carrying of Sewage / Water Supply pipelines on highway bridges shall not be permitted as Fumes / gases pipes can accelerate the process of corrosion may cause explosions, thus, being much more injurious than leakage of Water.</p> <p>(b) Carrying of gas 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 space around the superstructure of the bridge remains available for inspection and repairs, etc.</p> <p>(c) Cost 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, 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 CE only</p>	DRINKIN WATER PIPE LINE	
1.18	<p>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</p>	YES --13--CROSSINGS	
	(a) Existing drainage structures shall not be allowed to carry the lines.	NO	
	(b) Is it on a line normal to NH	YES	
	(c) Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter. What is the distance from the existing structures	MORE THAN 15 METERS	
	(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 adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable.	YES	

S No	Item	Information/Status	Remarks
	(e) Ends of the Casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path	YES	
	(f) The Casing/conduit pipe should, as minimum extend from drain to drain cuts and toe of slope toe of slope in the fills.	YES	
	(g) The top of the Casing/conduit pipe should be atleast 1.2meter below the surface of the road subject to being at least 0.3m below the drain inverts.	COMPILED	
	(h) Crossing shall be by boring method (HDD) Specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	HDD	
	(i) The Casing/conduit pipe shall be installed with an even bearing throughout its length and in such a maner as to prevent the formation of a waterway along it.	COMPILED	
2	Document/ Drawings enclosed with		
	the Proposal		
2.1	Cross Section showing the size of trench for open trenching method (Is its normal size of 1.2m deep X 0.3m wide) (i) Should not be greater than 60 Cm wider than the outer diameter of the pipe (ii) 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 (iii) Shall not be permitted 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 (iv) These should be so laid that their top is at least 0.6meter below the ground levelso as not to obstruct drainage of the road land.	Enclosed	
2.2	Cross section showing the size of pit and location of cable for HDD method	Enclosed	
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, intersections, cross drainage works etc.,	Enclosed	
2.4	Methodology for laying of showing Water supply pipe line.	Enclosed	
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	Enclosed	

S No	Item	Information/Status	Remarks
	(a) The trench width should be at least 30cm, but not more than 60cm wider than the outer diameter of the pipe.	Complied	
	(b) 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 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.	Complied	
	(C ) The backfill shall be completed 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.	Complied	
	(d) 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 ponding will not be permitted. (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	COMPILLED	
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	COMPILLED	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line	WILL BE PROVIDE,IF REQUIRED	
2.4.2	Horizontal Directional Drilling (HDD) Method	HDD	
2.4.3	Laying of Water Supply Pipe Line through CD Works and Method of laying	Enclosed	
	(a) On approaches, the gas 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		
3	Draft License Agreement signed by	Enclosed	
	two witness		

S No	Item	Information/Status	Remarks
	Performance Bank Guarantee in favour of NHAI has to be obtained @Rs50/- per running meter(parallel to NH) and Rs 1,00,000/- 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		
4.1	Performance BG as per above is to be obtained.	After approval.	
4.2	Confirmation of BG has been obtained as per NHAI guidelines	Will be obtained after submission of BG.---	
5	Affidavit/ Undertaking from the Applicant for	Enclosed	
5.1	Not to damage to ther utility, if damaged then to pay the losses either to NHAI or to the concerned agency	Enclosed	
5.2	Renewal of Bank Guarantee	Enclosed	
5.3	Confirming all standard condition of NHAI's guidelines	Enclosed	
5.4	Shifting of water supply pipe line as and when required by NHAI at their own cost	Enclosed	
5.5	Shifting due to 6-laing / widening of NH	Enclosed	
5.6	Indemnity against all damages and claims clause (xxiv)	Enclosed	
5.7	Traffic movement during laying os water supply pipe line to be managed by the applicant	Enclosed	
5.8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant	EE,RWS&S,, DIVISION OFFICE, PALASA--ENCLOSED	
5.9	Prior approval of NHAI shall be before undertaking	Enclosed	
	alterations to the showing Water Supply Pipe Line located in the National Highway right-of-ways.		
5.10	Expenditure if any incurred by NHAI for repairing any damage 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	EE,RWS&S,, DIVISION OFFICE, PALASA--ENCLOSED	




S No	Item	Information/Status	Remarks
5.11	If NHAI considers it 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 NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given	UNDER TAKING IS ENCLOSED- 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-laning " We do undertake that I will relocate service Road/ approach Road/ utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI" for future six- laning or any other development.	Enclosed	
6	Who will sign the agreement on behalf of Water Supply pipeline agency	Executive Engineer, Palasa,RWS&S,Division, SriKakulam District.	
7	Certificate from the Project Director		
7.1	Certificate for confirming of all standard condition issued vide Ministry Circular No. Ministry Circular No. NH-41 (58)/(68) dated 31.1.1969, Ministry Circular No. NH-III/P/66/76 dated 18/19.11.1976, Ministry Circular No. RW/NH-III/P66/76 dated 11.5.1982, Ministry Circular No. RW/NH-11037/1/86-DOI (ii) dated 28.7.1993, Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.1.1995, Ministry Circular No. RW/NH-34066/2/95/ S& R dated 25.10.1999 and Ministry Circular No. RW/NH-34066/7/2003 S7R (B) dated 17.9.2003	Enclosed	



S No	Item	Information/Status	Remarks
7.2	Certificate from PD in the following format (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 nor the likely future improvement such as widening of the carriageway, easing of curve etc". (ii) for 6-lanning (a) where feasibility is available "/ do ceryify 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 accomodation proposed six-laning".	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 if way to the concessionaire under the concession agreement for up- gradation of [ ----- section from Km----- -- to Km----- of NH No,----- Build, Opearate and Transfer Basis] and therefore the licensess shall honour the same."	Inserted	
9	Who will supervise the work of laying of water supply pipe line	RWS&S,Quality Control,Vijayawada,AP	
10	Who wil 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.	Executive Engineer, Palasa,RWS&S,Division, SriKakulam District.	
11	Who will pay the claims for damages done/ disruption in working of concessionaire if asked by the concessionaire?	Executive Engineer, Palasa,RWS&S,Division, SriKakulam District.	
12	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).		
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	Yes- Previous permissions were accorded.	



for   
Executive Engineer  
RWS&S, Division Palasa

  
परियोजना निदेशक/Project Director  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
ब.स.ड. बहापुर /PIU, Berhampur