



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

**National Highways Authority of India**  
(Ministry of Road Transport & Highways)

क्षेत्रीय कार्यालय, ओडिशा /Regional Office, Odisha

301 - ए, तीसरी मंजिल, पाल हाईट्स, प्लॉट नं जे/7, जयदेव विहार  
भुवनेश्वर - 751013, ओडिशा

301-A, 3rd Floor, Pal Heights, Plot No : J/7, Jayadev Vihar  
Bhubaneswar- 751013, Odisha

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NHAI/13011/16//RO/OD/ 230 /2019

29.01.2019

To

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

**Sub: Permission for crossing of 2 nos. Raw water pipeline at chainage 11.046 Km of NH-316 at Lingipur in connection with the work "improvement of WS to BMC area (feeder line, booster pumps and other ancillary infrastructure to facilitate disengagement for 170 nos production wells and switching over to surface source) under AMRUT -reg**

Sir,

Please find enclosed herewith a proposal seeking NOC for crossing of 2 nos. Raw water pipeline at chainage 11.046 Km of NH-316 at Lingipur in connection with the work "improvement of WS to BMC area (feeder line, booster pumps and other ancillary infrastructure to facilitate disengagement for 170 nos production wells and switching over to surface source) under AMRUT in the State of Odisha.

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, Bhubaneswar".

Yours faithfully,

General Manager (Tech.)



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NHAI/13011/16//RO/OD/ 229 /2019

29.01.2019

## INVITATION OF PUBLIC COMMENTS

**Sub: Permission for crossing of 2 nos. Raw water pipeline at chainage 11.046 Km of NH-316 at Lingipur in connection with the work "improvement of WS to BMC area (feeder line, booster pumps and other ancillary infrastructure to facilitate disengagement for 170 nos production wells and switching over to surface source) under AMRUT-reg.**


Executive Engineer, PH Division-I, Bhubaneswar has submitted a proposal seeking NOC for crossing of 2 nos. Raw water pipeline at chainage 11.046 Km of NH-316 at Lingipur in connection with the work "improvement of WS to BMC area (feeder line, booster pumps and other ancillary infrastructure to facilitate disengagement for 170 nos production wells and switching over to surface source) under AMRUT in the State of Odisha.

2. As per guidelines issued by MoRTH vide F. No. RW/NH-33044/29/2015/S&R(R) dt. 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](mailto:roodisha@nhai.org)**

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

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



# OFFICE OF THE EXECUTIVE ENGINEER,

P.H. DIVISION- I, Bhubaneswar

Gmail.id :- eephbbsr@gmail.com

Name of the Work :- Improvement of WS to of BMC area (feeder line, booster pumps & other ancillary infrastructure to facilitate disengagement for 170 nos. Production wells & swithcing over to surface source) (AMRUT/OD/BHUBANESWAR/WS/83)

## CHECK LIST

SL	ITEM	INFORMATION/STATUS	REMARKS
	General Information	Improvement of WS to of BMC area (feeder line, booster pumps & other ancillary infrastructure to facilitate disengagement for 170 nos. Production wells & swithcing over to surface source) (AMRUT/OD/BHUBANESWAR/WS/83)	
1.1	Name and Adress of the Applicant/Agency	E.E .P,H Division-I, Bhubaneswar	
1.2	National Highway No	NH-316	
1.3	State	ODISHA	
1.4	Location	Near Lingipur Chowk	
1.5	Chainage in Km	Crossing of 2 Nos. 400 mm dia Pipeline at Chainage 11.046 Km. On NH - 316.	
1.6	Length in Meters	55	
1.7	Width of avaiilable ROW		
	(a) Left side from Center line towards increasing chainage/Km direction	35.3 mtr	
	(b) Right side from Center line towards increasing chainage/Km direction	24.7 mtr	
1.8	Proposal to lay underground W.S pipe line.		
	(a) Left side from Center line towards increasing chainage/Km direction	32 mtr	
	(b) Right side from Center line towards increasing chainge/Km direction	23 mtr	
1.9	Proposal to acquire land	NA	
	(a) Left side from Center line		
	(b) Right side from Center line	NA	
1.10	Whether proposal is in the same side where land is not to be acquired.	NA	
	If not then where to lay the W.S pipe line.	NA	
1.11	Details of already laid services, if any along the proposed route.	NA	
1.12	No.of lanes(2/4/6/8) existing.	4	
1.13	Proposed number of lanes (2 lane with paved shoulder.4/6/8 lanes)	Superintending Engineer, I/c Executive Engineer, P.H. Division-I, Bhubaneswar	



**CHECK LIST**

SL	ITEM	INFORMATION/STATUS	REMARKS
1.14	Service road existing or not.	not	
	if yes then which side.		
	(a) Left side from Center line towards increasing chainage/Km direction		
	(b) Right side from Center line		
1.15	Proposed service road.		
	(a) Left side from Center line	no	
	(b) Right side from Center line	no	
1.16	Whether proposed to lay W.S pipe lines are after the service road or between the service road and main carriage way.		
1.17	The permission for laying of W.S pipe line shall be considered for approval/rejection based on the ministry circulars mentioned as above.		
	(a) Carrying of W.S pipe line on bridges shall also be discouraged. However if the authorities seem to have no other viable alternative and approach the highway authority well in the time before the design of the bridge is finalised, they may be permitted to carry the pipe line 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.	Yes, W.S pipe lines to be considered.	
	(b) cost of required extension of the substructure as well as that of the supporting superstructure shall be done by the agency-in-charge of the utilities.	NA	
	(C) 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.	NA	
1.18	If crossings of the road involved -if yes, it shall be either encased in pipes or through structure or conduits specially built for the purpose at the expenses of the agency owning the line.	Yes	
	(a) Existing drainage structures shall not be allowed to carry the lines.	ok	
	(b) is it on the line normal to NH	Yes	
	(c) Crossing shall not be too near the existing structure on the National Highway, the minimum distance being 15m what is the distance from the existing structures.	more than 60 mtr from the existing structure	Box culvert
	(d) The crossing pipe (or conduit pipe in case of electric cable) carrying the utility line pipe line shall be of steels, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable.	yes	
	e) Ends of casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	yes	



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<b>SL</b>	<b>ITEM</b>	<b>INFORMATION/STATUS</b>	<b>REMARKS</b>
	(f) The casing/conduit pipe should as minimum extend from drain to drain in cuts and toe of slope in the fills.	Yes	
	(g) The top of the casing/conduit pipe should be atleast 1.2 metre below the surface of the road subject to being at least 0.3m below the drain invents.	Yes	
	(h) Crossing shall be boring method (HDD) specially where the existing road pavement is of cement concrete or dense bitumenious Concrete type.	Yes	
	(i) The casing/conduit pipe shall be installed with an even bearing through out its length and in such a manner as to prevent the formation of water way along it.	Yes	
2.0	Document/drawings enclosed with a proposal.	Yes	
2.1	Cross section showing the size of trench for open trenching method(is it normal size of 1.5m deep x 1.5m wide)	Yes	
	(a) Should not be greater than 80cm wider than the outer diameter of the pipe.	Yes	40 cm
	(b) Located as close to the extreme edge of the right-of-way as possible but not less than 15meter from the center lines of the nearst carriageway.	Yes	
	(c) Shall not be permitted to run along the National Highways when the road formation is suited in double cutting nor shall these be laid over the existing culvers and bridges.	NA	
	(d) These should be so laid that their top is at last 0.6m 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.	yes	
2.3	Strip plan/ route plan showing pipe line, chainage, width of ROW, distance of proposed, pipe line from the edge of ROW, important milestone,intersections, cross drainage works etc.	Yes	
2.4	Methodology for laying W.s pipe line	HDD	
2.4.01	Open trenching method (may be allowed in utility corridor only where pavements is neither cement concretnor dense bituminous concrete type. If yes, Methodology of refilling of trench.	NO	
	(a) The trench width should be atleast 90cm, but not more than 150cm wider than the outer diameter of pipe.	NO	
	(b) For filling of the trench, Bedding should be a depth of not less than 30cm. It shall consists of granular materials , free of lumps, clods and cobbles and graded too.	NO	
	(c) The back fill shall be completed in two stages i) side fill to the level of the top of the pipe and ii) over fill to the bottom of road crust.	NO	

परियोजना निदेशक/Project Director  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
 National Highways Authority of India  
 रा.आ.इ.भुवनेश्वर/PIU, Bhubaneswar

Superintending Engineer,  
 I/c Executive Engineer,  
 P.H. Division-I, Bhubaneswar



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	(d) The side fill shall consist of granular material laid in 15cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the proctors Density. Over fill shall be compacted to the same density as the material that had been removed, consolidation by saturation or ponding will not be permitted.	NO	
	(e) The road crust shall be build to the same strength as the existing crust on either side on the trench.	NO	
	(f) The excavation shall be protected by flagman , signs and barricades and red lights during night hours.	NO	
	(g) If required a diversion shall be constructed at the expenses of the agency owning the utility line.	NO	
2.04.02	Horizontal directional Drilling(HDD) method.	Yes	
2.04.03	Laying of W.S pipe line through CD works and method of laying.		
	(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 distance of 30m from the bridge and subject to all other stipulations contained in this Ministry's guidelines issued with letter No H1/P/66/76 dated. 19.11.1976.	Agreed	
3.00	Draft License Agreement signed by two witnesses.	Agreed	
4.00	Performane bank guarantee in favour of NHAI has to be obtained @ Rs 50/- per running meter (parallel to NH) and Rs 1,00,000/- per crossing of Nh, for a period of 1 year initially (extendable if required till satisfactory completion of work) as a security for ensuring/ making good the ewxcavated trench for laying the cables/ ducts by proper filling and compaction , cleaning debris/loose earth produced due to excavation of trenching at least 50m away from the edge of the right of way no payment shall be payable by the NHAI to the license for cleaning debris/ loose earth.	To be submitted as and when intimated by NHAI	
4.10	Performance BG as per above is to be obtained.	To be submitted as and when intimated by NHAI	
4.20	Confirmation BG has been obtained as per NHAI guide lines.	NA	
5.00	Affidavit/undertaking from the applicator.	Yes	
5.10	Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	Yes	
5.20	Renewal of Bank Guarantee.	Yes	
5.30	Confirming all standard condition of NHAI guide lines.	Yes	
5.40	Shifting of iron W.S pipe lines as and when required by NHAI at our own Costs.	Yes	

Project Director  
Bhubaneswar

Suredhisingh Engineer,  
Jt. Executive Engineer,  
NHAI, Division-I, Bhubaneswar



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5.50	Shifting due to six lanning/widening of NH	Yes	
5.60	Indemnity against all damages and claims clause(24).	Yes	
5.70	Traffic movement during laying of W.S pipe line to be managed by the applicant.	Yes	
5.80	If any Claims is raised by the concessionaire then the same has to be paid by the applicant.	Yes	
5.9	Prior approval of he NHAI shall be obtained before undertaking any work of installation, shifting or repair or alterations to the showing W.S pipe line located in the National High right -of way.	Yes	
5.10	Expenditure if any incurred by NHAI for repairing any damaged caused to the National Highway bu the laying Maintenance or shifting of the W.S pipe line will be done by the agency owning the line.	Yes	
5.11	If the NHAI considers it necessary in future to move the utlity 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 utlity line within a resonable time (not exceeding 60 days) of the intimation given.	Yes	
5.12	Certificate from the applicant in the following format (1) laying of water supply pipe line will not have any deleterious effects on any of the bridge components and road way safety for traffic (2) for 6 lanning " we do undertake that I will relocate service road/approach road/utlities at my own cost not withstanding the premission granted within such time as will be stipulated by NHAI for future six-lanning or anyother developement"		
6.00	Who will sign the agreement on behalf of water supply pipe line agency.	Executive Engineer ,P,H Division-I, BHUBANESWAR	
7.00	Certificate from the project director.		
7.10	Certifcte for confirming of all standard condition issued vide ministry Order No-NH-41(58)/(68) dated-31.01.1969, Ministry Cicular No-NH-3(P) 66/76 dated 18/19.11.1976 Minstry Cicular No-NH-3(P) 66/76 dated 11.05.1982, Ministry Circular No-RW/NH-11037/1/86-DOI(2) dated 28.07.1993, Ministry cicular No-RW/NH-11037/1/36-DOI dated-19.01.1995,Ministry cicular No-RW/NH-34066/2/95/S & R dated-25.10.1999 and Ministry cicular No-RW/NH-34066/7/2003/S & R(B) dated 17.09.2003.		

परियोजना निदेशक/Project Director  
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National Highways Authority of India  
रा.म.ड.भुवनेश्वर/PIU, Bhubaneswar

Superintending Engineer,  
I/c Executive Engineer,  
P.H. Division-I, Bhubaneswar

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SL	ITEM	INFORMATION/STATUS	REMARKS
7.20	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 effect improvement such as widening of the carriage way easing of curve etc.(2) for <b>six</b> lanning (a) where feasibility is available " I do certify that there will be no hinderance to proposed <b>six</b> lanning based on the feasibility report considering proposed structures at the said Location" (b) In case feasibility report is not available" I do certiy that sufficient row is available at site for accomodating proposed <b>six</b> -Lanning.		
8	If NH section proposed to be taken up by NHAI, on BOT basis a clause is to be inosted in the agreement. " the premitted Highway on which licenses has been granted the permission to lay Iron Ore Slurry pipe line may likely to be handed over to the conscessionaire under the concesvision aggrement for up gradation of ..... [section from km..... of NH no-.....on build, operate and transfer Basis] and therefore, the licences shall honour the same.	Yes, interested in the agreement.	
9	Who will supevise the work laying Water supply pipe line	E.E .P,H Division-I, Bhubaneswar & representative of NHAI	
10	who will ensure that the defects in road portion after laying of Water supply pipe line are conrrected and if not corrected then what action will be taken.	E.E .P,H Division-I, Bhubaneswar & representative of NHAI	
11	Who will pay the claims for damages done/disrupted in working of concessionaire if asked by the concessinaire.	E.E .P,H Division-I, Bhubaneswar	
12	A Certificate from PD that he will enter the proposed permission in the major of records of the permissions in the prescribed proforma (copy enclosed)	Yes	
13	If any previous approval for a lying and of under ground Water supply pipe line then photocopy or register of records of permissions accorded as .	NA	

Superintending Engineer,  
I/c Executive Engineer,  
P.H. Division-I, Bhubaneswar

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National Highways Authority of India  
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