



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

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

दूरभाष/Tel. : +91-674-2361570/670

फैक्स/Fax : +91-674-2361770

ई-मेल /e-mail : roodisha@nhai.org

ronhaiodisha@gmail.com

वेबसाईट/Website : http://www.nhai.org

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



NHAI/13011/54//RO/OD/ 357 /2021

04.02.2021

INVITATION OF PUBLIC COMMENTS

Sub: Improvement from Km.0.000 to Km.68.000 (Kanaktora – Jharsuguda Section) up to 2-lane with paved shoulder including by-pass at Belpahar at 52nd Km. of NH-200 (from Km.197.300 to Km.265.300 including bypass at 249th Km. of NH-49) under NHDP Phase-IV on EPC mode – Development of water supply infrastructure in Baripada, Sambalpur, Rourkela, Jharsuguda under UIDSSMT/JBRS- Permission for laying pipeline along NH-49 from the chainage Km.258+380 to Km.261.000 (LHS), Km.261.360 to Km.262.740 (LHS) on LHS towards BTM Bypass and Km.262.000 to Km.262.160 (RHS) up to RTO Office & Across the chainage Km.258.380 and Km.262.000 in the district of Jharsuguda-Reg

Executive Engineer, PH Division, Jharsuguda has submitted a proposal regarding permission to lay water supply pipe line along NH-49 from the chainage Km.258+380 to Km.261.000 (LHS), Km.261.360 to Km.262.740 (LHS) on LHS towards BTM Bypass and Km.262.000 to Km.262.160 (RHS) up to RTO Office & Across the chainage Km.258.380 and Km.262.000 in the district of Jharsuguda. The details are as under:

Sl No.	Description	Chainage	Dia of Pipe (in mm) DI-K7/9	Dia of MS Casing Pipeline (in MM)	RHS/LHS	Remark
1.	Along the NH	Km.258+380 to Km.261.000	500	NA	LHS	NA
2.		Km.261.360 to Km.262.740	450	NA	LHS	NA
3.		Km.262.000 to Km.262.160	300	NA	RHS	NA
4.	Crossing	Km.258.380	500	800	NA	Near Devi Mandir Culvert
5.		Km.262.000	300	500	NA	Near BTM Police station

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".

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



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Bhubaneswar- 751013, Odisha

NHAI/13011/54//RO/OD/ 358 /2021

04.02.2021

To

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

Sub: Improvement from Km.0.000 to Km.68.000 (Kanaktora – Jharsuguda Section) up to 2-lane with paved shoulder including by-pass at Belpahar at 52nd Km. of NH-200 (from Km.197.300 to Km.265.300 including bypass at 249th Km. of NH-49) under NHDP Phase-IV on EPC mode – **Development of water supply infrastructure in Baripada, Sambalpur, Rourkela, Jharsuguda under UIDSSMT/JBRs- Permission for laying pipeline along NH-49 from the chainage Km.258+380 to Km.261.000 (LHS), Km.261.360 to Km.262.740 (LHS) on LHS towards BTM Bypass and Km.262.000 to Km.262.160 (RHS) up to RTO Office & Across the chainage Km.258.380 and Km.262.000 in the district of Jharsuguda- Reg.**

Sir,

Please find enclosed herewith a proposal of Executive Engineer, PH Division, Jharsuguda regarding permission to lay water supply pipe line along NH-49 from the chainage Km.258+380 to Km.261.000 (LHS), Km.261.360 to Km.262.740 (LHS) on LHS towards BTM Bypass and Km.262.000 to Km.262.160 (RHS) up to RTO Office & Across the chainage Km.258.380 and Km.262.000 in the district of Jharsuguda. The details are as under:

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3.		Km.262.000 to Km.262.160	300	NA	RHS	NA
4.	Crossing	Km.258.380	500	800	NA	Near Devi Mandir Culvert
5.		Km.262.000	300	500	NA	Near BTM Police station

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,

(D.K. Patra)

Manager (Tech)

CHECK LIST

Guidelines for Project Directors for processing the proposal for laying of water supply pipe line in the land along National Highways vested with NHAI.

Relevant circulars

- 1) Ministry Circular No. NH-41 (58)/68 dated 31.01.1969
- 2) Ministry Circular No. NH-III/P/66/76 dated 18/19.11.1976
- 3) Ministry Circular No. RW/NH-III/P/66/76 dated 11.05.1982
- 4) Ministry Circular No. RW/NH-11037/86-DOI(ii) dated 28.07.1993
- 5) Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.01.1995
- 6) Ministry Circular No. RW/NH-34066/2/95/S&R dated 25.10.1999
- 7) Ministry Circular No. RW/NH-34066/7/2003 S&R(B) dated 17.09.2003

Checklist for getting approval for laying of water supply pipe line on NH land

NH-49

Sl.No	Item	Information/ Status	Remarks
1.	General Information		
1.1	Name and Address of the Applicant/Agency	Executive Engineer Public Health Division, Black Diamond college road, Beside District Hospital, Government of Odisha, Jharsuguda-768202.	
1.2	National Highway Number	NH-49	
1.3	State	Odisha	
1.4	Location	Jharsuguda (IB River Bridge to BTM Bypass Chowk)	
1.5	(Chainage in km)	Along:- 1. 258+380 Km LHS to 261+000 Km LHS. 2. 261+360 Km LHS to 262+740 Km LHS. 3. 261+360 Km LHS to 262+000 Km LHS. 4. 262+000 Km RHS to 262+160 Km RHS. Across:- 1) 258+380 Km RHS to LHS 2) 262+000 Km LHS to RHS.	


परियोजना निर्देशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण विभाग

National Highways Authority of India
प.का.ई, सम्बलपुर, उडिशा/PIU, Sambalpur, Odisha


17/11/2010
Executive Engineer
P.H.Division, Jharsuguda

1.6	Length in Meters	Along: (4800 Mtrs) 1. 2620 Mtrs 2. 1380 Mtrs 3. 640 Mtrs 4. 160 Mtrs Across: (40 Mtrs) 1. 20 Mtrs 2. 20 Mtrs	
1.7	Width of available ROW		
	a) Left side from center line towards increasing chain age / km direction.	10 mtr	
	b) Right side from center line towards increasing chain age/km. direction.	10 mtr	
1.8	Proposal to lay underground Water Pipeline		
	(a) Left side from center line towards increasing chain age/km. direction.	9 Mtr	
	(b) Right side from center line towards increasing chain age/km direction.	9Mtr	
1.9	Proposal to acquire land	Not applicable	
	a) Left side from center line	Nil	
	b) Right side from center line	Nil	
1.10	Whether proposal is in the same side where land is not to be acquired.	Both from center line	
	If not then where to lay the Water pipeline		
1.11	Details of already laid services, if any, along the proposed route.	Yes.(RJIL OFC)	
1.12	Number of lanes (2/4 6/8 lanes) existing	2	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	Not applicable	
1.14	Service road existing or not	No	
	If yes then which side		
	(a) Left side from center line		
	(b) Right side from center line		
1.15	Proposed Service road		
	(a) left side from center line	NA	
	(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.	After service Road at ROW.	
1.17	The permission for laying of water supply pipe line shall be considered for approval / rejection based on the Ministry Circulars mentioned as above.		
	a) Carrying of sewerage/gas pipelines on highway bridges shall not be permitted as Furmes / gases pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of water.	NA	

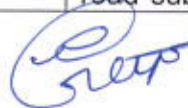


परियोजना निर्देशक/Project Director
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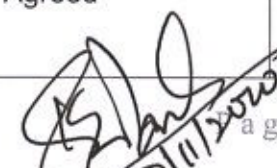


Executive Engineer
P.H.Division, Jharsuguda

	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 that in the final arrangement enough free space around the superstructure of the bridge remains available for inspection and repairs etc.	NA	
	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.	NA	
	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.	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 that purpose at the expenses of the agency owning the line.		
	a) Existing drainage structures shall not be allowed to carry the lines.	Agreed	
	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 meters. What is the distance from the existing structures.	Agreed	
	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.	Agreed	
	e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	Agreed	
	f) The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope in the fills.	Agreed	
	g) The top of the casing/conduit pipe should be at least 1.2 meter below the surface of the road subject to being at least 0.3m below the	Agreed	



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National Highways Authority of India
प.का.ई, सम्बलपुर, उडिशा/PIU, Sambalpur, Odisha



17/11/2020
Executive Engineer
P.H.Division, Jharsuguda

	drain inverts.		
	h) Crossing shall be by boring methods (HDD) especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Agreed	
	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.	Agreed	
2.	Document/Drawings enclosed with the proposal.		
2.1	Cross section showing the size of trenches for open trenching method (is it normal size of 1.2m deep x 0.3m wide)		
	i) Should not be greater than 60cm wider than the outer diameter of the pipe.	Yes	
	II) Located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the center-lines of the nearest carriageway.	No	
	III) Shall not be permitted to run along the National Highways when the road formation is situated in double cutting. Now shall these be laid over the existing culverts and bridges.	Yes	
	iv) These should be so laid that their top is at least 0.6meter below the ground level so as not to obstruct.	Yes	
2.2	Cross section showing the size of pit and location of cable for HDD method.	Yes	
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.	Attached Annexure	
2.4	Methodology for laying of showing water supply pipe line.	Attached Annexure	
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 or refilling of trench.		
	(a) The trench width should be at least 30cm, but not more than 60cm wider than the outer diameter of the pipe.	Yes	
	(b)For filling of the trench, Bedding shall be 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.	Yes	



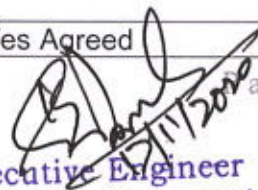
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	(c) the backfill shall be completed in two stages (i) side fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.	Yes	
	(d) The side fill shall consist of granular material laid in 15cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the 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.	Yes	
	(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.	Yes	
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	Yes	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line.	Yes	
2.4.2	Horizontal Directional Drilling (HDD) Method	Yes	
2.4.3	Laying of water supply 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 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	Agreed	
3.	Draft License Agreement signed by two witnesses	Yes	
4.	Performance 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 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.	Yes	At the time of Agreement PHD will submit
4.1	Performance BG as per above is to be obtained	BG will be submitted as intimated by NHAI	
4.2	Confirmation of BG has been obtained as per	Yes Agreed	

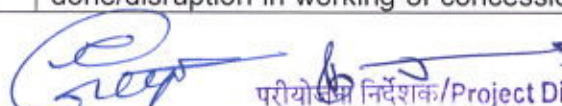


प्रोजेक्ट निदेशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण विभाग
National Highway Authority of India
प.का.ई., सम्बलपुर, उड़ीसा, भारत, Sambalpur, O. S.



Executive Engineer
P.H.Division, Jharsuguda


6.	Who will sign the agreement on behalf of water supply pipe line agency.	The Executive Engineer P.H Division, Jharsuguda.	
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 31.01.1969, Ministry Circular No. NH-III/P/66/76 dated 18/19.11.1976, 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 and Ministry Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.09.2003. Ministry Circular No. RW/NH-111/P/66/76 dated 11.05.1982.	Yes	
7.2	Certificate from PD in the following format. "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."	Yes	
	i) for 6- lanning	Yes	
	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 structure at the said location	Yes	
	(b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six -laning.	NA	
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.....to km..... of NH No..... on Build, Operate and Transfer Basis] and therefore, the licensee shall honour the same."		
9.	Who will supervise the work of laying of water supply pipe line.	PHEO/NHAI	
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.	PHEO/NHAI, as per condition in the agreement	
11.	Who will pay the claims for damages done/disruption in working of concessionaire if	PHEO	



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 National Highways Authority of India
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 Executive Engineer
 P.H.Division, Jharsuguda

	asked by the concessionaire		
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.		




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 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण विभाग
 National Highways Authority of India
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