



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

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

दूरभाष / Ph.: 0674 - 2361470/ 570/670 (का/ओ)

ई-मेल/e-mail : roodisha@nhai.org, ronhalodisha@gmail.com, वेबसाइट/Web : www.nhai.gov.in



NHAI/13011/54/RO/OD/ 1906 /2024

24.09.2024

To

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

Sub: Puintola to Icchapuram Section of NH-16 (Old NH-5) FROM Km 419.600 to Km 484.000 - Water supply to Gopalpur industrial park: Approval for laying for pipeline along right of way of NH-16 from Kaliabali (Srirampur junction) to Gopalpur industrial park - reg.

Ref: PD, PIU- Berhampur letter No.700 dated 09.09.2024

Sir,

Please find enclosed herewith a proposal for approval for laying for pipeline along right of way of NH-16 from Kaliabali (Srirampur junction) to Gopalpur industrial for Water supply to Gopalpur industrial park. The details are as under:

Sl. No.	Chainage	Along/ Across	HDPE / DI Pipe Dia in MM	Remarks
1.	Km 434+350 to Km 434+600 along NH & Crossing at Km 437+600	Along & Across	500 MM DI Pipe along NH and 700 MM casing MS Pipe crossing NH	

2. Accordingly, as per guidelines issued by MoRT&H 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 Regional Officer, Odisha.

Thanking you,

Yours Sincerely,

Amit Kumar Gupta

(Amit Kumar Gupta)
Dy. General Manager (Tech)



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/ 1905/2024

24.09.2024

INVITATION OF PUBLIC COMMENTS

Sub: Puintola to Icchapuram Section of NH-16 (Old NH-5) FROM Km 419.600 to Km 484.000 - Water supply to Gopalpur industrial park: Approval for laying for pipeline along right of way of NH-16 from Kaliabali (Srirampur junction) to Gopalpur industrial park - reg.

Drinking Water & Sanitation Division, Jamshedpur has submitted a proposal for approval for laying for pipeline along right of way of NH-16 from Kaliabali (Srirampur junction) to Gopalpur industrial for Water supply to Gopalpur industrial park. The details are as under:

Sl. No.	Chainage	Along/ Across	HDPE / DI Pipe Dia in MM	Remarks
1.	Km 434+350 to Km 434+600 along NH & Crossing at Km 437+600	Along & Across	500 MM DI Pipe along NH and 700 MM casing MS Pipe crossing NH	

2. As per guidelines issued by MoRT&H 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 are 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 RO, Odisha.

Ans kgc

Dy. General Manager (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 NHAI

Check List			
Sl. No.	Item	Information/status	Remarks
1.	General information	Permission for laying of water Supply pipeline from Chainage 434+350 Km to 437+600 Km on NH -16 in Ganjam District, Chatrapur	
1.1	Name and address of the Applicant/ Agency	IDCO, Odisha Divisional Head WS & EC-1, Bhubaneswar	
1.2	National highway number	NH - 16.	
1.3	State	Odisha.	
1.4	Location	Srirampalli Chatrapur to Gopalpur Industrial Park, Gopalpur. Ganjam District	
1.5	Chainage in Km	From 434+350 Km to 437+600 Km	
1.6	Length in Meters	3250 m	
1.7	Width of available ROW	Mentioned in drawing.	
	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 electrical cable	Pipe line will be laid along the NH-16 at location mentioned in SI No.- 1.4 & 1.6.	
	a) Left side from center line towards increasing chainage/km. direction	Yes	
	b) Right side from center line towards increasing chainage/km direction	N/A	
1.9	Proposal to acquire land	N/A	
	a) Left side from center line	N/A	
	b) Right side from Center line	N/A	
1.10	Whether proposal is in the same side where land is not to be acquired	N/A	
	If not, then where to lay the cable	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.	6.0 Lanes	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	6.0 Lanes	
1.14	Service road existing or not	Yes	
	If yes, then which side	N/A	
	a) Left side from center line towards increasing chainage/ Km. direction	N/A	

CMEC Consulting Engineers Pvt. Ltd.
In Association with CMEC Engineers Pvt. Ltd.
Resident Engineers
Date.....

(S.G.)

Order
परियोजना निदेशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
फसल.इ., बरहपुर/PIU, Berhampur

Order
Divisional Head
IDCO, WS & EC Divisi
Bhubaneswar

	b) Right side from center line	Service Road has been constructed at locations as per Contract Agreement	
1.15	Proposed Service Road		
	a) Left Side from Center line	NA	
	b) Right side from center line	NA	
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 and at extreme edge of RoW only	
1.17	The permission for laying of Water/sewage Supply Pipe Line shall be considered for approval / rejection based on the Ministry Circulars mentioned as above. a) Carrying of sewage/gas pipe line on high way bridges shall not be permitted as Fumes/gases pipes can accelerate the process of corrosion or may cause explosions thus, being much more injurious than leakage of water. 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 any 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 spade around the super structure of the bridge remains available for inspection and repairs, etc. c) Cost of required extension of the substructure as well as that of the supporting super structure shall be borne by the agency-in-charge of the utilities. d) Services are not being allowed indiscriminately on the parapet/any part of the bridges, Safety of the bridges must be kept in view while permitting various services along ridge. Approvals are to be accorded in this regard with the concurrence of the Ministry's Project Chief Engineers only.	Agreed. NA NA Agreed NA	
1.18	If crossing 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.	Yes	

CMEC Consol.

In Association with

Resist. Engineer's

Date.....

Atkari
(S.G.)

परियोजना निदेशक/Project Director
राष्ट्रीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
म. का. ड. विभाग/PIU, Berhampur

Divisional Head
IDCO, W/S & EC Divisi

	a) Existing drainage structures shall not be allowed to carry the lines.	Agreed	
	b) Is it on a line normal to NH	NA	
	c) Crossing 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	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 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 0.3 m below the drain inverts.	Agreed	
	h) Crossing shall be horizontal thrust boring method specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Agreed	
	i) The casing/conduit DI Pipeline 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 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 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 meters from the center-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	Enclosed.	

	laid over the existing culverts and bridges. (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.	Yes	
2.3	Strip plan / Route Plan showing Water/sewage Supply Pipe line, Chainage width of ROW, distance of Proposed cable from the edge of ROW, important mile stone, intersections, Cross Drainage works etc.	Yes	
2.4	Methodology for laying of showing Water/sewage Supply pipe line.	open trench and over ground pipe laying method along with trenchless methods at crossing across National Highway	
2.4.1	Open trenching method, (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous type. If yes, methodology of refilling of trench.	Agreed	
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	Agreed	
	(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 materials.	Agreed	
	(c) The backfill shall be completed in two stages (i) side fill to the level of the top of the pipe and (ii) overkill to the bottom of the road crust.	Agreed	
	(d) The side fill shall consist of granular materials laid in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctors' 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.	Agreed.	
	(e) The road crust shall be built to the same strength as the existing crust on either side of the trench	Agreed	

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In Association with APE Engineers Pvt. Ltd.

Resident Engineer

Date.....

Agreed
(S.E)

प्रियंका सिंह/Project Director
भारतीय राजमार्ग निगम लि
National Highways Authority of India
ए.बी.ए. बिल्डिंग, पी.एन. बेरहामपुर

Divisional Head
EC&C, W/S & EC Div
Gubaneswar

	Care shall be taken to avoid the formation of a dip at the trench.		
	(f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	Agreed	
	(g) If required a diversion shall be constructed at the expense of agency owning the utility line.	Agreed	
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. NII/HI/P/66/76 dated 19.11.1976.	Agreed	
3.	Draft License Agreement signed by two witnesses.	Yes Agreed and Enclosed.	
4	Performance Bank Guarantee in favor of NHAI has to be obtained @ Rs.250/- 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 Agreed, BG will be submitted as intimated by NH	
4.1	Performance BG as per above is to be obtained.	BG will be submitted as intimated by NH	
4.2	Confirmation of BG has been obtained as per NHAI guidelines.	Agreed	
5	Affidavit / Undertaking from the Applicant for		
5.1	Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	Yes and Undertaking Enclosed.	
5.2	Renewal of Bank Guarantee	Shall be submitted.	
5.3	Confirming all standard condition of NHAI's guideline	Yes and Undertaking Enclosed	
5.4	Shifting of Water Supply Pipe Line as and when required by NHAI at their own cost.	Yes and Undertaking Enclosed	

5.5	Shifting due to d lining / widening of NH	Yes and Undertaking Enclosed	
5.6	Indemnity against all damages and claims clause (xxiv)	Yes and Undertaking Enclosed	
5.7	Traffic movement during laying of Water Supply pipe line to be managed by the applicant.	Yes and Undertaking Enclosed	
5.8	If any claim id raised by the Concessionaire then the same has to be paid by the applicant.	Yes and Undertaking Enclosed	
5.9	Prior approval of MHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing Water Supply pipe line located in the National Highway rights-of-way.	Yes and Undertaking Enclosed	
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.	Yes and Undertaking Enclosed	
5.11	If the 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.	Yes and Undertaking Enclosed	
5.12	Certificate from the applicant in the following format. i) Laying of Water Supply pipe line will not have any deleterious el/etc./s on any of the bridge components and roadway ma/ely for traffic. ii) for 6 fanning "We do undertake that I will relocate service road/approach road/utilities at any own cost notwithstanding the permission granted within such time as well as stipulated by NHAI" for future six-Earning or any other development. "	Certificate and Undertaking Enclosed.	
6.	Who will sign the agreement on behalf of Water Supply Pipe Line agency	Divisional Head, Water Supply and EC-1, IDCO. IDCO Tower, Saheed Nagar, Bhubaneswar Pin- 751022.	
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-III/P/66/76 dated	Enclosed	

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In Association with ABC Engineers Pvt. Ltd.

Resident Engineers

Date.....

AKH-1
(5.02)

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

Divisional Head
IDCO, W/S & EC Div
Bhubaneswar

	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 and Ministry Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.09.2003.		
7.2	<p>Certificate from PD in the following format</p> <p>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.”.</p> <p>ii) for 6 fanning</p> <p>a) Where feasibility is available “I do certify that there will be no hindrance to proposed six lining based on the feasibility report considering proposed structures at he said location”.</p> <p>b) In case feasibility report is not available “I do certify that sufficient ROW is available at site for accommodating proposed six lining.</p>	<p>To be certified by PD.</p> <p>Agreed.</p> <p>N/A</p>	
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/ducts has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of [.....Section from Km 377.260 To Km 397.110 of NH No.-16 On Build, Operate and Transfer Basis] and therefore, the licensee shall honor the same.	Clause is in Inserted in the draft Agreement.	
9.	Who will supervise the work of laying of Water Supply pipe line.	Water Supply and EC-1, IDCO. Bhubaneswar	
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.	Water Supply and EC-1, IDCO. Bhubaneswar	

CMEC Consulting Engineers Pvt. Ltd.
In Association with A.P. Engineers Pvt. Ltd.

Resident Engineers

Date.....

Ammit
(S.E.)

निदेशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
मन्दाकिनी नगरपालिका, Berhampur

Divisional Head
W&S & EC Div
Bhubaneswar

11.	Who will pay the claims for damages done/disruption in working of Concessionaire of asked by the Concessionaire.	Water Supply and EC-I IDCO, Bhubaneswar	
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).	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.	N/A	

[Signature]

[Signature]
03/06/24
Divisional Head, Water Supply and EC-I IDCO,
IDCO Tower, Sahid Nagar, Bhubaneswar, Pin-751022
E.O., W/S & EC Division-1
Bhubaneswar

[Signature]
Awar-1
(S.B.)

[Signature]

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