



सत्यमेव जयते

# 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, ronhaiodisha@gmail.com, वेबसाइट/Web : www.nhai.gov.in



NHAI/13011/54/RO/OD/343/2024

16.02.2024

To

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

Sub: Rehabilitation and up gradation of Jharpokharia- Baripada- Baleshwar section of NH-5 from Km.0+000 to Km.80+600 in the State of Odisha under NHDP Phase-IV on EPC Mode - Permission for laying & crossing of water supply pipeline from Km.30+400 to Km.34+600 of NH-18 at Baripada in Mayurbhanj District- Reg

Ref: PD, PIU- Chandikhole letter No. 37 dated 05.01.2024

Sir,

Please find enclosed herewith a proposal of General Manager, WATCO Division, Baripada for laying & crossing of water supply pipeline from Km.30+400 to Km.34+600 of NH-18 at Baripada in Mayurbhanj District. The details are as under:

Sl. No.	Chainage	Along/ Across	DI Pipe Dia in MM	Casing Pipe dia In MM	Remarks
1.	From Km.30+400 to Km.31+100	Along	500 mm	-	Laying & crossing of water supply pipeline from Km.30+400 to Km.34+600 of NH-18 at Baripada in Mayurbhanj District
2.	From Km.32+300 to Km.33+300		500 mm	-	
3.	From Km.33+300 to Km.34+600		200 mm	-	
4.	Km.30+496	Across	500 mm	650 mm	
5.	Km.34+444		200 mm	500 m	

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.

Yours faithfully,

(Sunil Kumar)  
General Manager (Tech)



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# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

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NHAI/13011/54/RO/OD/342/2024

16.02.2024

### INVITATION OF PUBLIC COMMENTS

**Sub:** Rehabilitation and up gradation of Jharpokharia- Baripada- Baleshwar section of NH-5 from Km.0+000 to Km.80+600 in the State of Odisha under NHDP Phase-IV on EPC Mode - Permission for laying & crossing of water supply pipeline from Km.30+400 to Km.34+600 of NH-18 at Baripada in Mayurbhanj District- Reg

General Manager, WATCO Division, Baripada has submitted a proposal for laying & crossing of water supply pipeline from Km.30+400 to Km.34+600 of NH-18 at Baripada in Mayurbhanj District. The details are as under:

Sl. No.	Chainage	Along/ Across	DI Pipe Dia in MM	Casing Pipe dia In MM	Remarks
1.	From Km.30+400 to Km.31+100	Along	500 mm	-	Laying & crossing of water supply pipeline from Km.30+400 to Km.34+600 of NH-18 at Baripada in Mayurbhanj District
2.	From Km.32+300 to Km.33+300		500 mm	-	
3.	From Km.33+300 to Km.34+600		200 mm	-	
4.	Km.30+496	Across	500 mm	650 mm	
5.	Km.34+444		200 mm	500 m	

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](mailto:roodisha@nhai.org)

This is issued with the approval of Regional Officer, Odisha.

(Sunil Kumar)  
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

Guideline for Project Direction 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.

Sl. No.	Item	Information/Status	Remarks
1.	General Information		
1.1	Name and Address of the Applicant/Agency	Housing & Urban Development Department Odisha Bhubaneswar  The General Manager Water Corporation of Odisha, Baripada	
2	National Highway Number	NH-5 (Old), N.H-18 (New)	
3	State	Odisha	
4	Location	Murgabadi - Palabani	
5	(Chainage in km)	In between 30.400 Km to 34.600 Km	
6	Length in Meters	4.200 Km's	
7	Width of available ROW		
	a) Left side from center line towards increasing chain age/km. direction.	Varying from 24.996m to 41.301m	
	b) Right side from center line towards increasing chain age/km. direction.	Varying from 20.474m to 35.071m	
8	Proposal to lay underground electrical cable	Not Applicable	
	(a) Left side from center line towards increasing chain age/km. direction		
	(b) Right side from center line towards increasing chain age/km direction		
	Proposal to acquire land	Not applicable	
	a) Left side from center line		
	b) Right side from center line		



PROJECT DIRECTOR,  
NATIONAL HIGHWAYS AUTHORITY OF INDIA  
PIU-CHANDIKHOLE

*[Handwritten Signature]*  
Manager

*[Handwritten Signature]*  
Manager

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12/11/27

1.10	Whether proposal is in the same side where land is not to be acquired. If not then where to lay the cable	Not applicable	
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 If yes then which side	Existing	
	(a) Left side from center line	From Ch. 30.400 Km to 34.600 Km	
	(b) Right side from center line	From Ch. 30.400 Km to 33.400 Km	
1.15	Proposed Service Road (a) left side from center line (b) Right side from centre line	Not applicable	
1.16	Whether proposal to lay water supply pipe line is after the service road or between the service road and main carriageway.	After the service road	
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.	Enclosed	
	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.	Not applicable	
	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 around the superstructure supported on extended portions of piers and abutments in such a manner that in the final arrangement enough free spade around the superstructure of the bridge remains available for inspection and repairs etc.	Not applicable	
	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.	Not applicable	
	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	PROJECT DIRECTOR, NATIONAL HIGHWAYS AUTHORITY OF INDIA PIU-CHANDIKHOLE Not applicable	



*[Signature]*  
Assistant Manager

*[Signature]*  
18-3-23  
Manager  
Baripada

*[Signature]*  
18/4/23  
General Manager  
WATCO Division  
Baripada

	regard with the concurrence of the Ministry's Project Chief Engineers only.		
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.	Pipe line shall be laid trenches less method (conduit encasing)	
	a) Existing drainage structures shall not be allowed to carry the lines.	Enclosed	
	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.	Enclosed	
	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.		
	e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	Enclosed	
	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.	Enclosed	
	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 drain inverts.	Enclosed	
	h) Crossing shall be by boring methods (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Enclosed	
	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.	Enclosed	
2.	Document/Drawings enclosed with the proposal,	Enclosed	
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)	Details shown in the drawing attached	
	i) Should not be greater than 60cm wider than the outer diameter of the pipe	Enclosed	
	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.	Pipeline proposed to be laid within 2.0-3.0 mtr inside edge of ROW	
	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.	Enclosed	

PROJECT DIRECTOR,  
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Assistant Manager  
Baripada

Manager

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WATCO Division  
Baripada

	iv) These should be so laid that their top is at least 0.6meter below the ground level so as not to obstruct.	Enclosed	
2.2	Cross section showing the size of pit and location of cable for HDD method.	Details shown in the drawing attached.	
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.		
2.4	Methodology for laying of showing water supply pipe line.	Details shown in the drawing attached	
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.	Enclosed	
	(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.	Enclosed	
	(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.	Enclosed	
	(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	Enclosed	
	(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.	Enclosed	
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	Enclosed	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line.	Enclosed	
2.4.2	Horizontal Directional Drilling (HDD) Method	Enclosed	
2.4.3	Living of water supply pipe line through CD works and method of laying.	Enclosed	
	(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	Enclosed.	

*[Handwritten Signature]*  
PROJECT DIRECTOR,  
NATIONAL HIGHWAYS AUTHORITY OF INDIA  
PIU-CHANDIKHOLE



*[Handwritten Signature]*  
Assistant Manager  
WATCO Section-III, Baripada

*[Handwritten Signature]*  
General Manager  
WATCO Division  
Baripada

	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 two witnesses	Enclosed	
4.	Performance Bank Guarantee in favour of NHAI has to 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.	Enclosed	
4.1	Performance BG as per above is to be obtained.	Enclosed	
4.2	Confirmation of BG has been obtained as per NHAI guidelines.	Enclosed	
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.	Enclosed	
5.2	Renewal of Bank Guarantee	Shall be submitted	
5.3	Confirming all standard condition of NHAI's guideline	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 Lanning / widening of NH	Enclosed	
5.6	Indemnity against all damage and claims clause (xxiv)	Enclosed	
5.7	Traffic movement during laying of 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.	Enclosed	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs', of alternations to the showing Water supply pipe line located in the National Highway right of ways.	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	Enclosed	
5.11	If the NHAI considers it necessary in future to move the unity line for any work of		

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NATIONAL HIGHWAYS AUTHORITY OF INDIA  
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General Manager  
WATCO Division  
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Handwritten initials and date: 18/11/23

	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.	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/utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI" for future six Lanning of any other development".	Enclosed	
6.	Who will sign the agreement on behalf of water supply pipe line agency.	The General Manager Water Corporation of Odisha, Baripada	
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-I/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) dated17.09.2003.	Enclosed	
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, casing of curve etc."	PROJECT DIRECTOR, NATIONAL HIGHWAYS AUTHORITY OF INDIA PIU-CHANDIKHOLE Enclosed	
	(i) For 6-lanning		
	a) Where feasibility is available "I do certify that there will be no hindrance to proposed six-Lanning based on the feasibility report considering proposed structure 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-Lanning.	NA	

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WATCO Section-21, Baripada


WATCO, Sub-Division, Baripada

General Manager  
WATCO Division  
Baripada





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.	NA	
9.	Who will supervise the work of laying of water supply pipe line.	The General Manager Water Corporation of Odisha, Baripada and NHAI Consultant	
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.	The General Manager Water Corporation of Odisha, Baripada	
11.	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire	The General Manager Water Corporation of Odisha, Baripada	
12.	A certificate from PD that he will enter the proposed permission in the register of records o the permissions in the prescribed proforma (cop enclosed)	Enclosed	
13.	If any previous approval is accorded for laying underground water supply pipe line then photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed.	NA	

*[Handwritten Signature]*  
  
 Manager  
 Assistant Manager WATCO Sub-Division, Baripada  
 WATCO Section-III, Baripada

*[Handwritten Signature]*  
 20/11/23  
 General Manager  
 WATCO Division  
 Baripada

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 PROJECT DIRECTOR,  
 NATIONAL HIGHWAYS AUTHORITY OF INDIA  
 PIU-CHANDIKHOLE