



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/ 1408 /2023

24.04.2023

To

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

Sub: Rehabilitation & Up gradation of Cuttack- Angul section of NH 42 (Now NH-55), Pkg-I in the State of Odisha under NHDP-IV on CPC Mode-Execution of individual MEGA PWS project pertaining to all villages of Athagarh block & Tigiria block and 7 GPs Banki block of Cuttack District - Reg

Sir,

Please find enclosed herewith a proposal of Executive Engineer, RWSS Division, Athagarh regarding Permission to laying of water supply pipeline along and across the NH-55. The details are as under:

Sl No.	Description	Chainage	Dia of DI / HDPE pipeline (mm)	Dia of MS casing pipe (mm)
1.	Along NH	Km. 10+990 to Km.11+350	100	NA
2.		Km. 11+350 to Km.14+640	150	
3.		Km.14+640 to Km.16+000	200	
4.		Km.16+000 to Km.20+550	90	
5.		Km.20+550 to Km.23+682	250	
6.		Km.23+682 to Km.25+096	300	
7.		Km.25+096 to Km.27+700	100	
8.		Km.10+990 to Km.29+400	90	
9.	Crossing	Km.25+096	350	550
10.		Km. 24+593	150	350

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,

Abinash
24.04.2023

(Abinash Behera)
Dy. 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)

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NHAI/13011/54/RO/OD/ 1409 /2023

24.04.2023

INVITATION OF PUBLIC COMMENTS

Sub: Rehabilitation & Up gradation of Cuttack- Angul section of NH-42 (New NH-55), Pkg-I in the State of Odisha under NHDP-IV on EPC Mode-Execution of individual MEGA PWS project pertaining to all villages of Athagarh block & Tigiria block and 7 GPs Banki block of Cuttack District - Reg

Executive Engineer, RWSS Division, Athagarh has submitted a proposal for laying of water supply pipeline along and across the NH-55. The details are as under:

Sl No.	Description	Chainage	Dia of DI / HDPE pipeline (mm)	Dia of MS casing pipe (mm)
1.	Along NH	Km. 10+990 to Km.11+350	100	NA
2.		Km. 11+350 to Km.14+640	150	
3.		Km.14+640 to Km.16+000	200	
4.		Km.16+000 to Km.20+550	90	
5.		Km.20+550 to Km.23+682	250	
6.		Km.23+682 to Km.25+096	300	
7.		Km.25+096 to Km.27+700	100	
8.		Km.10+990 to Km.29+400	90	
9.	Crossing	Km.25+096	350	550
10.		Km. 24+593	150	350

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".

(Signature)
24.04.2023

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

Check List

Guidelines for Project Directors for processing the proposal for laying of Water Supply Pipe Line in the land along National Highway 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 18/19.11.19776
- 3) Ministry Circular No. RW/NH-III/P/66/76 dated 11.5.1982
- 4) Ministry Circular No. RW/NH-11037/1/86-DOI (ii) dated 28/7/1993
- 5) Ministry Circular No. RW/NH-11037/1/86-DOI dated 19.1.1995
- 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 dated 17.9.2003

Check list for getting approval for laying of Water Supply Pipe Lines on NH land

SI No.	Item	Information/Status	Remarks
1	General information	Permission for laying and crossing of water pipeline at Chainage on NH-55	
1.1	Name and Address of the Applicant	Executive Engineer Rural Water Supply & Sanitation Division-Athgarh	
1.2	National Highway Number	NH-55	
1.3	State	Odisha	
1.4	Location	Kuspanji to Radharaman puri	
1.5	(Chainage in Km)	Along the road CH KM 10+990 to KM 29+440 & crossing KM 25+096,24+593	
1.6	Length in Meters		
1.7	Width Of available ROW	18.45 km	
	(a) Left side from center line towards increasing chainage /Km direction	60m	
	(b) Right side from center line towards increasing chainage/Km direction	30m (Avg.)	
		30m (Avg.)	

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1.8	Proposal to lay pipe line		
	(a) Left side from center line towards increasing chainage /Km direction		
	(b) Right side from center line towards increasing chainage/Km direction		
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	
1.11	Details of already laid services, if any, along the proposed route		
1.12	Number of lanes (2/4/6/8 lane) existing	2	
1.13	Proposed number of lanes (2 lanes with paved shoulders/4/6/8 lanes)	4 lane	
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		
	(b) Right side from center line		
1.16	Whether proposal to lay Water Supply Pipe line is after service road or between the service road and main carriageway	After Service road	
1.17	The permission for laying of Water Supply Pipe line shall be considered for approval / rejection based on the Ministry Circulars as above	Agreed	
	(a) Carrying of sewage / gas pipelines on highway 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.	NA	
	(b) Carrying of 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, support on extended portions of piers and abutments in such a manner that in the final arrangements enough free space around the superstructure of the bridge remains available for inspection and repairs, etc.	Agreed	
	(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.	Agreed	


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 27.10.22

	(d) Services are not being allowed indiscriminately on the parapet/ any part of the bridges. Safety of the bridge 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.	Agreed	
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.	Pipeline shall be crossed by trench less (Jack pushing and HDD method (conduit encasing detailed drawing enclosed.	
	(a) Existing drainage structures shall not be allowed to carry the lines.	Agreed	
	(b) Is it on a line normal to NH	Yes	
	(c) Crossing shall not be too near the existing structure on the National Highway, the minimum distance being 15 meter. What is the distance from the existing structures.	Agreed and detailed drawing 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.	Yes 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.	Yes 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.	Yes Agreed	
	(h) Crossing shall be by boring method (HDD) specially where the existing road pavement is of cement concrete or dense bluminous concrete type.	Jack pushing/HDD method attached details in attached sketch	
	(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.	Yes Agreed	
?	Document / Drawings enclosed with the proposal	Attached	
2.1	Cross section showing the size of trench for open trenching method (is it normal size 1.2m deep x 0.3 m wide)	Details shown in the drawing attached	
	(i) should not be greater than 60 Cm wider than the outer diameter of the pipe.	Yes agreed	
	(ii) located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the center-line of the nearest carriageway	Yes agreed	
	(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	Yes agreed	
	(iv) These should be so laid that their top is at least 0.6 meter below the ground level so as not to substructure drainage of the road land.	Yes agreed	
2.2	Cross section showing the size of pit and location of cable for HDD method.	Attached Annexure	

2.3	Strip plan / route plan showing Water Supply pipeline chainage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersection, 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 of refilling of trench		
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	Yes 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 material.	Yes agreed	
	(c) The backfilling 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 agreed	
	(d) The side fill shall consist of granular material laid in 15 cm 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 pending will not be permitted.	Yes agreed	
	(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 agreed	
	(f) The excavation shall be protected by flagman, sign and barricades, and red lights during night hours.	Yes agreed	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line.	Yes agreed	
2.4.2	Horizontal Directional Drilling (HDD) Method	Enclosed	
2.4.3	Laying Water Supply Pipe Line through CD works and method of laying	At all CD work locations HDD method will be adopted	
	(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 30 m from the bridge and subject to all other stipulations contained in this Ministry's guideline issued with letter No. NH-HLP/66/76 dated 19.11.1976	Agreed	
3	Draft license Agreement signed by two witnesses.		


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4	Performance Bank Guarantee in favour of NHAI has to be contained @ 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 cable's 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 NHAI	
4.1	Performance BG as per above is to be obtained.	BG will be submitted as intimated by NHAI	
4.2	Conformation of BG has been obtained as per NHAI guidelines		
5	Affidavit / Undertaking form the Applicant for		
5.1	Not to damage to other utility, if damaged then to pay losses either to NHAI or to the concerned agency		
5.2	Renewal of Bank Guarantee	Shall be submitted	
5.3	Conforming all standard condition of NHAI's guideline	Yes	
5.4	Shifting of Water Supply Pipe Line as and when required by NHAI at their own cost.	Yes	
5.5	Shifting due to 6 laning / widening of NH	Yes	
5.6	Indemnity against all damages and claims clause (xxiv)	Yes	
5.7	Traffic movement during laying of Water Supply pipe line to be managed by the applicant	Yes	
5.8	If any claims is raised by the Concessionaire then the same has to be paid by the applicant	Yes	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alteration to the showing Water Supply pipe line located in the National highway right-of-ways.	Yes	
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	
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 rime (not exceeding 60 days) of the intimation given.	Yes	
5.12	Certificate from the applicant in the following format (i) Laying of Water Supply pipe line will not have any deleterious effect on any of the bridge components and roadway safety for traffic. (ii) for 6-laning "We do undertaking that, I will relocate service road / approach road / utilities at my own cost withstanding the permission granted within such time as will be stipulated by NHAI" for future six-laning or any other department"	enclosed	


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6	Who Will sign the agreement on behalf of Water Supply pipe line agency	Executive Engineer, Rural water supply and sanitation Department, Athgarh Division.	
7	Certificate from the Project Director		
7.1	Certificate for conforming 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/P/66/76 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 S&R (B) dated 17.9.2003	Enclosed	
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 " 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". (b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-laning".	Enclosed	
8	If NH Section proposed to be taken up by NHAI on DOT basis- a clause 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 Built Operate and Transfer Basis] and thereof, the licensee shall honour the same".	Clause is inserted in the Agreement	
9	Who will supervise the work of laying of Water Supply Pipe line	Aplicant	
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.	Aplicant	
11	Who will pay the claims for damages done / disruption in working of Concessionaire if asked by the Concessionaire	Aplicant	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permission in the prescribed proforma (copy enclosed)	Enclosed	


Executive Engineer
R.W.S & S. Division
Athgarh

13	If any previous approval is accorded for laying of underground Water Supply Pipe line then photocopy of register of records of the permission accorded as maintained by PD then copy be enclosed	NA
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My 27.10.11
Executive Engineer
R.W.S & S. Division
Athagarh

[Signature]
प्रबंधक (तकनीक)
Manager (Tech.)
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
प.का.इ. धेंकनाल/P.I.U., Dhenkanal

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परियोजना निदेशक
PROJECT DIRECTOR
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
प.का.इ. धेंकनाल/P.I.U., Dhenkanal