



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/13011/54/RO/OD/ 2566 /2020

15.12.2020

To,

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

Sub: Permission for Crossing of storm water disposal pipe of 600 mm dia through HDD method at Km. 3.616 (at Kesura) on National Highway on NH-316 in the state of Odisha for the purpose of residential apartment of SBI Staff Association Cooperative Society at Kesura Chowk- **Reg.**

Ref: 1. PD, PIU- Bhubaneswar letter no. 1304 dated 03.12.2020
2. Supervision Consultant letter no. 048 dated 23.11.2020
3. Chief Executive, SBISA letter no. 21 dated 19.08.2020
4. Chief Executive, SBISA letter no. 20 dated 06.12.2019

Sir,

Please find enclosed herewith a proposal of Chief Executive, SBISA (State Bank of India Staff Association), Cuttack, Odisha seeking Permission for Crossing of storm water disposal pipe through HDD method at Km. 3.616 on National Highway on NH-316 in the state of Odisha for the purpose of residential apartment of SBI Staff Association Cooperative Society at Kesura Chowk. The following table briefs the locations details of the proposal:

Sl. No.	Description/ Location	NH	Chainage	Alignment (along or across)
1	Crossing of Storm Water drain across National Highway-316 (Bhubaneswar- Puri).	203 (New NH-316)	Km. 3+616	Across the NH using HDD method

2. Accordingly, as per guidelines issued by MoRTH vide F. No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, the application alongwith the recommendations of concerned PD & Consultant 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".

Encl: As above

Yours faithfully,


General Manager (Tech.)

Copy to: PD, PIU- Bhubaneswar for information



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भारतमाला
कर्मों के पथ पर प्रगति

BHARATMALA
ROAD TO PROSPERITY

15.12.2020

INVITATION OF PUBLIC COMMENTS

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Chief Executive, SBISA (State Bank of India Staff Association), Cuttack, Odisha seeking Permission for Crossing of storm water disposal pipe through HDD method at Km. 3.616 on National Highway on NH-316 in the state of Odisha for the purpose of residential apartment of SBI Staff Association Cooperative Society at Kesura Chowk. The following table briefs the locations details of the proposal:

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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 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".

**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

Guidelines for Project Directors for processing the proposal for laying of Water Supply Pipe Line in the land along National Highways vested with NHA!

• Relevant circulars

1. Ministry Circular No. NH-41 (58)768 dated 31.1.1969
2. Ministry Circular No. NH-111/P/66/76 dated 18/19.11.1976
3. Ministry Circular No. RW/NH-111/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. RWINH-34066/7/2003 S&R (B) dated 17.9.2003 ✓

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


S. No.	Item	Information/ Status	Remarks	
1	General Information	As Directed by Chief Engineer cum Engineer Member BDA vide letter no 645/EM dated 12-09-2019, we are enclosing here with a set of design drawing and report for your kind perusal. The proposal envidt that the storm water has to be discharged to Gangua River. For which we are proposing a drain from our location to Gangua river and need your kind approval for laying an underground pipe line for crossing of drain NH-316 at chainage 2.600 from LHS to RHS.		
1.1	Name and Address of the Applicant/Agency	State Bank of India Staff Association Co-opertave Society Odisha Limited, Chandini Chok, Cuttack, Pin: 753002, Odisha.		
1.2	National Highway Number	316 ✓		
1.3	State	Odisha		
1.4	Location	Keshura		
1.5	(Chainage in km)	2.600(LHS) to 2.600(RHS)		3+616 (BHS)
1.6	Length in Meters	80m		Drawn
1.7	Width of available ROW			
	(a) Left side from center line towards increasing chainage/ km direction	40m		
	(b) Right side from center line towards increasing chainage/ km direction	40m		
1.8	Proposal to lay underground Drain	From LHS to RHS at chainage 2.600		3+616 (BHS)






PROJECT DIRECTOR, SECRETARY
 STATE BANK OF INDIA STAFF ASSOCIATION CO-OP. SOCIETY
 CHANDINI CHOK, CUTTACK, PIN-753002
 ODISHA

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	water duct 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	NA	—
	(a) Left side from center line	NA	—
	(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 cable	NA	—
1.11	Details of already laid services, if any, along the proposed route	No	—
1.12	Number of lanes (2/4/6/8 lanes) existing	Existing 4 lane ✓	—
1.13	Proposed Number of lanes (2 lane with paved shoulders /4/6/8 lanes)	NA	—
1.14	Service road existing or not	No ✓	—
	If yes then which side		—
	(a) Left side from center line	NA	—
	(b) Right side from center line	Na	—
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	Drain water duct line From LHS to RHS	✓
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 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. (b) Carrying of water pipe lines on	Yes Agreed ✓	

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	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 space around the superstructure 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 superstructure shall be borne by the agency-in-charge of the utilities.		-yes
	(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.		
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	Yes	—
	(a) Existing drainage structures shall not be allowed to carry the lines	Yes	—
	(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 meter. What is the distance from the existing structures.	Yes	—
	(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	NA	



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	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.	NA	
	(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	
	(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	
	(h) Crossing shall be by boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Yes	
	(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	
2	Document/Drawings enclosed with the proposal	Yes	
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.2m deep X 0.3m wide) (i) should not be greater than 60 Cm wider than the 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 meter from the centre-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 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.	Yes NA.	4 HDD only



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7

2.2	Cross section showing the size of pit and location of cable for HDD method	Enclosed	
2.3	Strip plan/ Route Plan showing Drain Water duct 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 Supply pipe line.	HDD Method ✓	
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.	Yes NA	
	(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 NA	
	(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 NA	
	(c) The backfill shall be completed in two stages (i) sidefill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.	Yes NA	
	(d) The sidefill 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 ponding will not be permitted.	Yes NA	
	(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.		



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	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	Yes NA	
	(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.	NA	
	(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 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 @ Rs50/- per running meter (parallel to NH) and Rs1,00,000/- 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	
4.1	Performance BG as per above is to be obtained.	Yes	
4.2	Confirmation of BG has been obtained as per NHAI guidelines.	Yes	
5	Affidavit / Undertaking from the Applicator	Yes	
5.1	Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	Yes	



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5.2	Renewal of Bank Guarantee	Yes	
5.3	Confirming all standard condition of NHA's guideline	Yes	
5.4	Shifting of Water Supply pipe line as and when required by NHA at their own cost.	Yes.	
5.5	Shifting due to 6 lanning / widening of NH	Yes	
5.6	Indemnity against all damages and claims clause (xxiv)	Yes	
5.7	Traffic movement during laying of Water Supply pipeline to be managed by the applicant.	Yes	
5.8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant.	Yes	
5.9	Prior approval of the NHA shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing Water Supply pipeline located in the National highway right-of-ways.	Yes	
5.10	Expenditure, if any, incurred by NHA 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 NHA 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 NHA at the cost of the agency owning the utility line within a reasonable time (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 effects on any of the bridge components and roadway safety for traffic. (ii) for 6-lanning "We do undertake that will relocate service road/approach road/utilities of my own cols! notwithstanding the permission granted within such time	Yes	



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	as will be stipulated by NHA1" for future six lanning or any other development."		
6	Who will sign the agreement on behalf of Drain water duct line.	Chief executive (SBISA)	
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 (58768 dated 31.1.1969, Ministry Circular No. NH111/P/66/76 dated 18/19.11.1976, Ministry Circular No. RWINH-111/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 25.10.1999and Ministry Circular No RW/NH34066/7/2003 S&R (B) dated 17.9.2003	Yes	
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 pipeline 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 do certify that there will be no hindrance to proposed six-laning based on the feasibility report considering proposed structures at the said location. (b) In case feasibility report is not available " 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 NHA1 on BOT basis - a clause is to be inserted in the agreement. The permitted Highway on which	Yes	



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	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 2.600LHS to Km 2.600RHS of NH No. 316 on Build, Operate and Transfer Basis] and therefore, the licensee shall honour the same."		
9	Who will supervise the work of laying of Drain water duct line.	Chief Executive (SBISA)	
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.	Engineer appointed by SBISA	
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire.	Chief Executive (SBISA)	
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).	Yes	
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.	No	

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