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 हाईटस, प्लाट नं जे/7, जयदेव विहार
भुवनेश्वर - 751013, ओडिशा
301-A, 3rd Floor, Pal Heights, Plot No : J/7, Jayadev Vihar
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NHAI/13011/54//RO/OD/ 247 /2021 25.01.2021

To

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

Sub: Rehabilitation & Up gradation of existing two lane to four lane standards from Talcher to End of Kamakhyanagar Bypass section from Km.301.474 to Km.336.900 of NH-200 & from Km.8.500 to Km.14.800 of NH-23 in the state of Odisha under NHDP-III– **Permission of laying & crossing of pipeline along & across Talcher- Kamakhyanagar NH-53 (Old NH-200) for Mega Rural Piped Water Supply Project under RWS&S Division, Angul at Talcher- along the chainage Km.8+500 to 9+450 (LHS) across the chainage Km.9+440 & 9+442-Reg**

Sir,

Please find enclosed herewith a proposal of Executive Engineer, RWS&S Division, Angul regarding permission to lay water supply pipeline along & across Talcher- Kamakhyanagar NH-53 (Old NH-200) for Mega Rural Piped Water Supply Project under RWS&S Division, Angul at Talcher- along the chainage Km.8+500 to 9+450 (LHS) across the chainage Km.9+440 & 9+442. The details are as under:

Sl No.	Description	Chainage	Dia of Casing Pipe (in mm) DI-K7/9 & HDPE pipeline	Dia of MS Casing Pipeline (in MM)	RHS/LHS	Remark
1.	Along the NH	Km. 8+500 to Km.9+450	100 mm & 160 mm	NA	LHS	NA
5.	Crossing-1	Km.9+440	100	250	NA	Near Culvert at Santhapada village road
6.	Crossing-2	Km. 9+442	150	300	NA	

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.

Yours faithfully,

25-01-2021.

(Dr. Ram Prasad Panda)
CGM (Tech) & RO- Odisha

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25.01.2021

INVITATION OF PUBLIC COMMENTS

Sub: Rehabilitation & Up gradation of existing two lane to four lane standards from Talcher to End of Kamakhyanagar Bypass section from Km.301.474 to Km.336.900 of NH-200 & from Km.8.500 to Km.14.800 of NH-23 in the state of Odisha under NHDP-III– **Permission of laying & crossing of pipeline along & across Talcher- Kamakhyanagar NH-53 (Old NH-200) for Mega Rural Piped Water Supply Project under RWS&S Division, Angul at Talcher- along the chainage Km.8+500 to 9+450 (LHS) across the chainage Km.9+440 & 9+442-Reg**

Executive Engineer, RWS&S Division, Angul has submitted a proposal water supply pipeline along & across Talcher- Kamakhyanagar NH-53 (Old NH-200) for Mega Rural Piped Water Supply Project under RWS&S Division, Angul at Talcher- along the chainage Km.8+500 to 9+450 (LHS) across the chainage Km.9+440 & 9+442. The details are as under:

Sl No.	Description	Chainage	Dia of Casing Pipe (in mm) DI-K7/9 & HDPE pipeline	Dia of MS Casing Pipeline (in MM)	RHS/LHS	Remark
1.	Along the NH	Km. 8+500 to Km.9+450	100 mm & 160 mm	NA	LHS	NA
5.	Crossing-1	Km.9+440	100	250	NA	Near Culvert at Santhapada village road
6.	Crossing-2	Km. 9+442	150	300	NA	

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

25.01.2021

Chief General Manager (Tech) & RO
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 (B) dated 17.9.2003

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

Sl No.	Item	Information / Status	Remarks
1	General information		
1.1	Name and Address of the Applicant	Executive Engineer, RWS&S Division, Angul at Talcher At- Baghuabole, P.O:- Hatatota, Talcher, District- Angul, Pin- 759100, PH: 06760-240762	
1.2	National Highway Number	NH- 149 & 53 (Old NH 200 & 23)	
1.3	State	Odisha	
1.4	Location	Tehsil- Talcher, District- Angul	
1.5	(Chainage in Km)	Along the Chainage (a.) Km.008+500 to Km.009+450 (LHS) Across the chainage (a.) Km.009+440 (LHS to RHS) (b.) Km.009+442 (LHS to RHS)	
1.6	Length in Meters	Along the Chainage KM (a.)Length= 950 Mtr (LHS) Across the chainage KM (a.)Length= 58 Mtr (b.)Length= 58 Mtr	
1.7	Width of available ROW	30 Mtr.	
	(a) left side from center line towards increasing chainage /km direction	30 Mtr	
	(b) Right side center from line towards increasing chainage / Km direction	30 Mtr.	
1.8	Proposal to lay pipe line	Along & Across	
	(a) left side from center line towards increasing chainage /km direction		
	(b) Right side from center from line towards increasing chainage / Km direction		
1.9	Proposal to accuire land	N.A	

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PROJECT DIRECTOR

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SCIA/031

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RWS & S Division

	(a) Left side from center line		
	(b) Right side from center line		
1.10	Whether proposal is in the same side where land is not to be acquired.	N.A	
1.11	Details of already laid services, if any, along the proposed route	Nil	
1.12	Number of lanes (2/4/6/8 lane) existing	2	
1.13	Purposed number of lanes (2 lanes with paved shoulders/4/6/8 lanes)	4 Lanes	
1.14	Service road existing or not		
	If yes then which side		
	(a) Left side from center line	N.A	
	(b) Right side from center line	N.A	
1.15	Proposed Service road		
	(a) Left side from center line	N.A	
	(b) Right side from center line	N.A	
1.16	Whether proposal to lay Water Supply Pipe line is after service road or between the service road and main carriageway		
1.17	The permission for laying of Water Supply Pipe line shall be considered for approval / rejection based on the Ministry Circulars as above.		
	(a) Carrying of sewagw/gas pipelines on highway bridges shall not be permitted as Fumes/gases pipes can accelarate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of Water.	N/A	
	(b) Carrying of pipe lines on bridges shall also be discourged. 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 arrangement enough free spade around the superstructure of the bridge remains available for inspection and repairs, etc.	N/A	
	(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.	N/A	
	(d) Service 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.	N/A	
1.18	If crossings of the 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) 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	

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Angul at Talcher

	(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 strengh 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 by boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Methodology 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.	Agreed	
2	Document / Drawings enclosed with the proposal		
2.1	Cross section showing the size of trench for open trenching method (is it normal size of 1.2m deep x 0.3 m wide)		
	(i) should not be greater than 60 Cm 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 centre-lines of the nearest carriageway	Yes	
	(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	
	(iv) These should be so laid that their top is at least 0.6 meter below the ground level so as not to obstructure drainage of the road land.	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 pipeline chainage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersection, cross drainage works etc	Yes	
2.4	Methodology for laying of showing Water Supply pipe line	Yes	
2.4.1	Open trenching method, (May be alllowed 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	
	(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	
	(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	

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RWS & S Division
Angul at Talcher

	(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	
	(e) The road crust shall be built to the same strengh as the exsting 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, sign 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 Water Supply Pipe Line through CD works and method of laying	No	
	(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-HI/P/66/76 dated 19.11.1976.		
3	Draft license Agreement signed by two witnesses.	Yes	
4.0	Performance Bank Guarantee in favour of NHAI has to be ontained @ 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.		At the time of Agreement RWS&S will be submit
4.1	Performance BG as per above is to be obtained.		
4.2	Conformation of BG has been obtained as per NHAI quidelines		
5	Affidavit / Undertaking form the Applicanr for		
5.1	Not to damage to other utility, if damaged then to pay losses either to NHAI or to the concerned agency	Yes	
5.2	Renewal of Bank Gurantee	Yes	
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 lanning/widening of NH	Yes	
5.6	Indemnity against all damages and claims clasuse (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	

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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 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 effect on any of the bridge components and roadway safety for traffic. (ii) for 6-lanning "We do undertaking that, I will relocate service road/approach road/utilities at my own cost not withstanding the permission granted within such time as will be stipulated by NHAI" for future six-lanning or any other development"	Yes	
6	Who will sign the agreement on behalf of Water Supply pipe line agency.	The Executive Engineer, RWS&S Division, Angul at Talcher	
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	(Yes/No)	
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".	(Yes/No)	
8	If NH Section proposed to be taken up by NHAI on BOT 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 Build. Operate and Transfer Basis] and thereof, the licensee shall honour the same".		

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Authority of India

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Executive Engineer
RWS & S Division
Angul at Talcher

9	Who will supervise the work of laying of Water Supply Pipe line	RWS&S / 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.	RWS&S / NHAI, as per condition in the agreement	
11	Who will pay the claims for damages done / disruption in working of Concessionaire if asked by the Concessionaire	RWS&S	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permission in the precribed 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 the permission accorded as maintained by PD then copy be enclosed.		

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Executive Engineer
RWS & S Division
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PROJECT DIRECTOR
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National Highways Authority of India
प.का.इ., ढेंकानाल / P.I.U., Dhenkanal