



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)

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NHAI/13011/54/RO/OD/1863/2024

18.09.2024

To

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

Sub: Four laning of Panikoili-Rimuli section of NH-215 from Km.0.000 to Four laning of Panikoili- Rimuli Section of NH-215 from Ch. Km.000 to Km 163.00 (Design Chainage Km.0.00 to Km. 166.173) in the State of Orissa - NOC proposal for permission laying irrigation pipeline across the National Highway 20 at Ch. 42 Km +155 m, 43 Km+138 m, 46 Km, +930 m, 47 Km + 950 m, 55 Km + 158 m & 57 Km +460 m for the implementation of Mega lift irrigation projects under Department of Water Resources, Govt of Odisha -Reg

Ref: PD, PIU- Keonjhar letter No.1075 dated 25.07.2024

Sir,

Please find enclosed herewith a proposal of Executive Engineer, Mega Lift Projects Division, Keonjhar regarding laying of irrigation pipeline across the National Highway 20 at 06 nos. of road crossing i.e Ch. 42 Km +155 m, 43 Km+138 m, 46 Km, +930 m, 47 Km + 950 m, 55 Km + 158 m & 57 Km +460 m for the implementation of Mega lift irrigation projects under Department of Water Resources, Govt of Odisha. The details are as under:

Sl. No	Description	Chainage	Dia of Casing Pipe (in mm)	Location	Remark
1.	Crossing NH	Km.42+155	180	Sailary	Crossing of irrigation water & distribution pipe through HDD method
2.		Km.43+138	800	Sailong	
3.		Km.46+930	1050	Talagaon	
4.		Km.47+950	400	Biragovin dpur	
5.		Km.55+158	700	Jalinanda	
6.		Km.57+460	450	Kanto	

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

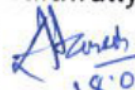
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request to hoist the same in the Ministry's Website for public comments within 30 days of uploading on the website.

This is issued with the approval of the "Regional Officer, NHAI, Regional Office, Odisha, Bhubaneswar.

Yours faithfully,


18.09.24

(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)

क्षेत्रीय कार्यालय, ओडिशा / Regional Office, Odisha

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NHAI/13011/54/RO/OD/ 1862/2024

18.09.2024

INVITATION OF PUBLIC COMMENTS

Sub: Four laning of Panikoili-Rimuli section of NH-215 from Km.0.000 to Four laning of Panikoili- Rimuli Section of NH-215 from Ch. Km.000 to Km 163.00 (Design Chainage Km.0.00 to Km. 166.173) in the State of Orissa - NOC proposal for permission laying irrigation pipeline across the National Highway 20 at Ch. 42 Km +155 m, 43 Km+138 m, 46 Km, +930 m, 47 Km + 950 m, 55 Km + 158 m & 57 Km +460 m for the implementation of Mega lift irrigation projects under Department of Water Resources, Govt of Odisha -Reg

Executive Engineer, Mega Lift Projects Division, Keonjhar has submitted a proposal for laying of laying of irrigation pipeline across the National Highway 20 at 06 nos. of road crossing i.e Ch. 42 Km +155 m, 43 Km+138 m, 46 Km, +930 m, 47 Km + 950 m, 55 Km + 158 m & 57 Km +460 m for the implementation of Mega lift irrigation projects under Department of Water Resources, Govt of Odisha. The details are as under:

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5.		Km.55+158	700	Jalinanda	
6.		Km.57+460	450	Kanto	

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,**

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Regional Office, Odisha
301-A, 3rd Floor, Pal Heights,
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This is issued with the approval of the "Regional Officer, NHAI, Regional Office, Odisha, Bhubaneswar".



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(Abinash Behera)
Dy. Manager (Tech)
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Regional Office, Odisha
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Check List

Guidelines for Executive Engineer for processing the proposal for laying of Irrigation Water Supply Pipe Line in the land along NHAI

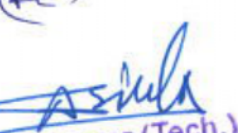
Relevant Circulars

- 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
- 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 NHAI land

Sl No.	Item	Information / Status	Remarks
1	General information	Mega Lift irrigation Project cluster XIX in Keonjhar District.	
1.1	Name and Address of the Applicant	Executive Engineer, MLIP Division, Keonjhar At- Khasipur, P.O:- Khasipur, District- Keonjhar, Pin- 758001	
1.2	National Highway Number	NH-215(New NH - 20)	
1.3	State	Odisha	
1.4	Location	Kolimati to Ghasipura Section	
1.5	(Chainage in Km)	<u>Across the Road</u> (a.)57 KM +460 mtr-1no (LHS to RHS) (b.) 55 KM + 158 mtr -1no (LHS to RHS) (c.) 47 KM + 950 mtr -1no (LHS to RHS) (d.) 46 KM + 930 mtr -1no (LHS to RHS) (e.) 43 KM + 138 mtr -1no (LHS to RHS) (f.) 42 KM + 155 mtr -1no (LHS to RHS)	
1.6	Length in Meters	<u>Across the Road</u> (a.)57 KM +460 mtr-1no - 60 mtr (b.) 55 KM +158 mtr -1no - 60 mtr (c.) 47 KM + 950 mtr -1no -60 mtr (d.)46 KM + 930 mtr -1no -60 mtr (e.) 43 KM + 138 mtr -1no -60 mtr (f.) 42 KM + 155 mtr -1no - 60 mtr	





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1.7	Width of available ROW	a. 60m, b.60m, c.60m, d. 60m, e.60m, f. 60m	
	(a) left side from center line towards increasing chainage /km direction	a. 30m, b.30m, c.30m, d. 30m, e.30m, f. 30m	
	(b) Right side center from line towards increasing chainage / Km direction	a. 30m, b.30m, c.30m, d. 30m, e.30m, f. 30m	
1.8	Proposal to lay pipe line	Yes, 6 nos. of road crossing with DI pipe (4 locations @ Ch. Km 57+460 , Ch. Km 55+158 , Ch. Km 47+950, Ch. Km 43+138) & HDPE Pipes (1 Locations Ch. Km 42+155) & MS Pipes (1 Locations Ch. Km 46+930)	
	(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	Not Applicable	
	(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.	Not Applicable	
1.11	Details of already laid services, if any, along the proposed route	Existing laid services are not available in the 6 nos. of crossing locations	
1.12	Number of lanes (2/4/6/8 lane) existing	Existing 4 Lanes at all crossing locations	
1.13	Proposed number of lanes (2 lanes with paved shoulders/4/6/8 lanes)	4-Lanes	
1.14	Service road existing or not	Existing Service road are not available	
	If yes then which side	Not Applicable	
	(a) Left side from center line		
1.15	(b) Right side from center line		
	Proposed Service road	Not Applicable	
1.16	(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	Not Applicable	
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.	Not Applicable	
	(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.	Existing Bridges/Structures are not available in the 6 nos. of crossing locations.	
	(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 arrangement enough free space 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	



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	(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.	Not Applicable	
	If crossings of the the road involved	Yes, 6 nos. of road crossing with DI pipe (4 locations @ Ch. Km 57+460 , Ch. Km 55+158 , Ch. Km 47+950, Ch. Km 43+138) & HDPE Pipes (1 Locations Ch. Km 42+155) & MS Pipes (1 Locations Ch. Km 46+930)	
	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.	Encasing Pipe dia. is at various locations as per attached drawings & documents (CH. Km 57+460 - 800 mm dia., CH. Km 55+158 - 1100 mm dia., CH. Km 47+950 - 800 mm dia., CH. Km 43+138 - 1200 mm dia., CH. Km 42+155 - 500 mm dia., CH. Km 46+930 - 1400 mm dia.,	
	(a) Existing drainage structures shall not be allowed to carry the lines.	Yes, agreed to comply	
	(b) Is it on a line normal to NH	Yes	
1.18	(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.	Yes, agreed to comply	
	(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, encasing pipe is made of R.C.C of various sizes as per attached drawings and documents	
	(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 to comply	
	(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 to comply	
	(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 to comply <i>3m. ✓</i>	
	(h) Crossing shall be by boring method (HDD) especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Yes agreed, Crossing will be done by HDD or Jack pushing method	
	(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 to comply	
2	Document / Drawings enclosed with the proposal	Yes, Attached	
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)	Not Applicable	
	(i) should not be greater than 60 Cm wider than the outer diameter of the pipe		



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	(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.		
2.2	Cross section showing the size of pit and location of pipes for HDD method	Yes submitted and incorporated in the drawing	
2.3	Strip plan /route plan showing Water Supply pipeline chainage, width of ROW, distance of proposed, pipes from the edge of ROW, important mile stone, intersection, cross drainage works etc.	Yes submitted showing all desired details in the drawing	
2.4	Methodology for laying of showing Water Supply pipe line	Not Applicable	
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	Not Applicable	
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	Not Applicable	
	(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.	Not Applicable	
	(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.	Not Applicable	
	(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.	Not Applicable	
	(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.	Not Applicable	
	(f) The excavation shall be protected by flagman, sign and barricades, and red lights during night hours.	Not Applicable	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line.	Not Applicable	
2.4.2	Horizontal Directional Drilling (HDD) Method	Yes, HDD method or Jack pushing method will be followed as per submitted methodology at specific locations as per enclosed attachments	



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2.4.3	Laying Water Supply Pipe Line through CD works and method of laying	Existing CD Structures are not available in the 6 nos. of crossing locations.	
	(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.	Not Applicable	
3	Draft license Agreement signed by two witnesses.	Yes enclosed	
4.0	Performance Bank Guarantee in favour of NHAI has to be 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.	Yes, agreed for submission of Performance BG as per latest MoRTH/NHAI Guidelines when asked by NHAI	
4.1	Performance BG as per above is to be obtained.	BG will be submitted after technical clearance from RO-NHAI and when intimated by NHAI	
4.2	Conformation of BG has been obtained as per NHAI guidelines	Yes will be obtained after submission of BG	
5	Affidavit / Undertaking from 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	Yes agreed to comply and undertaking enclosed	
5.2	Renewal of Bank Gurantee	Yes agreed to comply and undertaking enclosed	
5.3	Conforming all standard condition of NHAI's guideline	Yes agreed to comply and undertaking enclosed	
5.4	Shifting of Water Supply Pipe Line as and when required by NHAI at their own cost.	Yes agreed to comply and undertaking enclosed	
5.5	Shifting due to 6 lanning/widening of NH	Yes agreed to comply and undertaking enclosed	
5.6	Indemnity against all damages and claims clasuse (xxiv)	Yes agreed to comply and undertaking enclosed	
5.7	Traffic movement during laying of Water Supply pipe line to be managed by the applicant	Yes agreed to comply and undertaking enclosed	
5.8	If any claims is raised by the Concessionaire then the same has to be paid by the applicant	Yes agreed to comply and undertaking enclosed	
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 agreed to comply 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 agreed to comply 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 agreed to comply and undertaking enclosed	



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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 agreed to comply and undertaking enclosed	
6	Who will sign the agreement on behalf of Water Supply pipe line agency.	Executive Engineer, MLIP Division, Keonjhar At- Khasipur, P.O:- Khasipur, District- Keonjhar, Pin- 758001	
7	Certificate from the Project Director		
7.1	Certificate for conforming of all standard condition issued vide. 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 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 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 therefore, the licensee shall honour the same".	Not Applicable	
9	Who will supervise the work of laying of Water Supply Pipe line	Larsen & Toubro Construction, MLIP Cluster XIX, Plot No.: 637/1260, Barrage Road, Indupura, Gohira(PO), Ghasipura, Keonjhar.& Executive Engineer,MLIP Division, Keonjhar,Pin 758001	



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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.	Executive Engineer, MLIP Division, Keonjhar At- Khasipur, P.O:- Khasipur, District- Keonjhar, Pin- 758001, and Larsen & Toubro Construction, MLIP Cluster XIX, Plot No.: 637/1260, Barrage Road, Indupura, Gohira(PO), Ghasipura, Keonjhar.	
11	Who will pay the claims for damages done / disruption in working of Concessionaire if asked by the Concessionaire	Executive Engineer, MLIP Division, Keonjhar At- Khasipur, P.O:- Khasipur, District- Keonjhar, Pin- 758001	
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)	Yes, attached	
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.	Not Applicable	

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