



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. 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 (क/ओ)

ई-मेल/e-mail : roodisha@nhai.org, ronhaiodisha@gmail.com, वेबसाइट/Web : www.nhai.gov.in



NHAI/13011/54/RO/OD/ 2115 /2023

24.07.2023

To

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

Sub: Rehabilitation & Up gradation to four laning of Singara to Binjabahal section of NH-6 from Ch. km. 310.806 to km. 414.982 in the state of Odisha under Hybrid Annuity Mode – NOC proposal for ROW permission for laying of DI pipe lines in ROW of NHAI road for Execution of Mega Rural Piped Water Supply project under Banspal Block of Keonjhar District with Km.381+600 to Km.393+769 (LHS) with total Kms. as 12+169 Km.- Reg

Sir,

Please find enclosed herewith a proposal of Superintendent Engineer RWSS Division, Keonjhar for laying of DI pipe lines in ROW of NHAI road for Execution of Mega Rural Piped Water Supply project under Banspal Block of Keonjhar District with Km.381+600 to Km.393+769 (LHS) with total Kms. as 12+169 Km. The details are as under:

Sl. No.	Description	Chainage	Diameter of DI pipe In mm	Length in meter	Side	Location
1.	Along	Km.381+600 to Km.385+300	100	3700	LHS	Kanjipani
2.		Km.385+300 to 387+000		1700		Nippo
3.		Km.387+000 to 393+769		6769		Tangarpada
Total Length				12169		

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, Bhubaneswa.

Yours faithfully,

Abinash
24.07.23

(Abinash Behera)
Dy. Manager (Tech)



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

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NHAI/13011/54/RO/OD/ 2114 /2023

24.07.2023

INVITATION OF PUBLIC COMMENTS

Sub: Rehabilitation & Up gradation to four laning of Singara to Binjabahal section of NH-6 from Ch. km. 310.806 to km. 414.982 in the state of Odisha under Hybrid Annuity Mode – NOC proposal for ROW permission for laying of DI pipe lines in ROW of NHAI road for Execution of Mega Rural Piped Water Supply project under Banspal Block of Keonjhar District with Km.381+600 to Km.393+769 (LHS) with total Kms. as 12+169 Km.- Reg

Superintendent Engineer RWSS Division, Keonjhar has submitted a proposal for laying of DI pipe lines in ROW of NHAI road for Execution of Mega Rural Piped Water Supply project under Banspal Block of Keonjhar District with Km.381+600 to Km.393+769 (LHS) with total Kms. as 12+169 Km. The details are as under:

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3.		Km.387+000 to 393+769		6769		Tangarpada
Total Length				12169		

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".

(Abinash Behera)

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 Director for processing the proposal for laying of water pipeline in the land along National Highways vested with NHAI

Certificate for conforming of all standard condition issued vide

1. Ministry Circular no. NH-51(58)/68, Dt.21.01.1969,
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 11.5.1982,
4. Ministry circular no.RW/NH-11037/1/86-DOI (ii), dt.28.07.1993,
5. Ministry Circular no.RW/NH-11037/1/86-DOI, Dt.19.1.1995,
6. Ministry circular no.RW/NH-34066/2/95/S&R, dt.25.10.1999,
7. Ministry circular no.RW/NH-34066/7/2003 S&R(B), dt.17.09.2003,
8. Ministry circular no.RW/NH-33044/29/2015/S&R(R) dt. 22nd November 2016.

Check list for getting approval for laying of water pipeline on NH-6 land.

Sl No	Item	Information/Status	Remark's
1	General Information	Augmentation of Rural PWS project to 22 GP's of Champua Block, 22 GP's of Jhumpura Block, 25 GP's of Keonjhar Block, 21 GP's of Banspal Block Under Keonjhar District.	
1.1	Name & Address of the applicant /Agency	Executive Engineer, RWS&S Division, Mandua, Keonjhar-758001	
1.2	National Highway Number	NH-49 (new)	
1.3	State	Odisha	
1.4	Location	Singhara-Binjabahala section	
1.5	Chainage in KM	Ch.381+600 – Ch.393+769 (L.H.S)	
1.6	Length in Kilometres	12.079 KM	
1.7	Width of available ROW	45 Mtr.	
	a) Left side from Centre line towards chainage /KM/Direction	Yes, 22.5 m.	
	b) Right-side from Centre line towards increasing chainage /KM/Direction	Yes, 22.5 m.	
1.8	Proposal to lay underground Pipeline	Yes, Dia -100mm .	
	a) Left side from Centre line towards increasing chainage /KM/Direction	Yes, 21.5–22.5m.	
	b) Right-side from Centre line towards increasing chainage /KM/Direction		
1.9	Proposal to acquire land	No	
	a) Left side from centre line		
	b) Right-side from Centre line		
1.10	Whether proposal is in the same side where land is not to be acquired	Yes	
	If not, then where to lay the pipeline	NA	
1.11	Details of already laid services, if any along the proposed route	NA	
1.12	Number of lanes (2/4 lanes) existing	Existing 4 Lane	
1.13	Proposed no. of lanes (2 lane with paved shoulders 4/6/8 lanes)	NA	
1.14	Service road existing or not	No Service Road in the Proposed Location.	
	If yes, then which side		
	a) Left side from centre line	N.A.	
	b) Right-side from centre line	N.A.	

PROJECT DIRECTOR
Implementation Unit
Authority of India



Superintending Engineer
16.3.23

Sl.No.	Item	Information/Status	Remarks
1.15	Proposed Service road	NA	
	a) Leftside from centre line		
	b) Rightside from Centre line		
1.16	Whether the proposal to lay Water Supply Pipe line is after the Service Road and main carriageway	NA	
1.17	Whether proposal to lay water pipeline shall be considered for approval/rejection based on the Ministry circulars mentioned as above	Yes, Agreed.	
	a) Carrying of Sewage/gas pipeline 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	Agred for not carrying drinking pipeline on bridges .	
	b) Carrying of water pipeline on bridges shall also be discouraged. However, if the water supply authority seem to have no other viable alternative and approach the highway authority well in the before the design of the bridge is finalized, they may be permitted to carry the pipeline on Independent super structure, 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 & repairs, etc	Agred for not carrying drinking pipeline on bridges .	
	c) Cost of required extension of the sub-structure as well as that of the supporting superstructure shall be borne by the agency in charge of the utilities	Yes, Agreed to comply.	
	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 concurrence of the Ministry's project Chief Engineers only.	Yes, Agreed to comply.	
1.18	If crossings of the road involved	NA	
	If yes, it shall be either encased in pipes or through structure of 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.		
	b) Is it on a line normal to NH		
	c) Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 metres. What is the distance from the existing structures.		
	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 drainage path.	Superintending Engineer RWS & S. Division, Keonjhar	
	f) The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope toe of the	Yes, Agreed to comply.	

Sl.No.	Item	Information/Status	Remarks
	g)The top of the casing /conduit pipe should be atleast 1.2 meter below the surface of the road subject to being atleast 0.3 m below the drain inverts.		
	h)Crossing shall be by boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type.		
	i)The casing/Conduit pipe shall be installed with an even bearing throughout its length & in such a manner as to prevent the formation of a water way along it.		
2	Documents/drawings enclosed with the proposal	Yes,Enclosed	
2.1	Crossing-Section showing the trench for open trenching method (is it normal size of 1.2 m deep x 0.3 m wide)	As per drawing , documents enclosed.	
	(i)Should not be greater than 60 cm wider than the other diameter of the pipe.	Yes,Agreed to comply.	
	(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 carriage way.	Yes agreed to comply.	
	(iii)Shall not be permitted to run along the National Highway when the road formation is situated in double cutting .Not shall these be laid over the existing culverts & bridges.	Yes, Agreed to comply.	
	(iv)These should be so laid that their top is atleast 0.6 m below the ground level so as not to obstruct the drainage of the road land.	Yes agreed to comply.	
2.2	Cross-Section showing the size of pit & location of pipeline for HDD method.	Yes , submitted and incorporated in the drawing.	
2.3	Strip plan/Route plan showing water pipeline,Chinage,width of ROW,distance of proposed pipelines from the edge of ROW ,important milestones,intersections,cross drainage works etc.	Enclosed, Showing all the details in the drawings and documents.	
2.4	Methodology for laying of showing water pipeline	Yes documents submitted.	
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 the trench.	Open cut methodology Submitted at specified locations as per available ROW & Further Compliance by R.W.S&S as per Morth/IRC guidelines mentioned below.	
	(a)The trench width should be atleast 30cm, but not more than 60 cm wider than the outer diameter of the pipe.	Yes, Agreed to comply.	
	(b)For filling of the trench bedding shall be to a depth of not less than 30 cm.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 replace by selected material	Yes, Agreed to comply.	
	(c) The backfill shall be completed in two stages	Yes; Agreed to comply.	
	(i) Sidefill to the level of the top of the pipe and		
	(ii)Overfill to the bottom of the road crust		

PROJECT DIRECTOR
Transportation Unit



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Superintending Engineer

Sl.No.	Item	Information/Status	Remarks
2.4.1	(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 Procter's Density Overfill shall be compacted to the same density as the material that had been removed consolidation by saturation of ponding will not be permitted.	Yes, Agreed to comply.	
	(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 to comply.	
	(f) The excavation shall be protected by flagman, signs and barricaded and red lights during night hours.	Yes, Agreed to comply.	
	(g) If required, a diversion shall be constructed at the expenses of agency owning the pipelines.	Yes, Agreed to comply.	
2.4.2	Horizontal directional drilling (HDD) method.	yes, HDD/jackpushing method will be followed as per methodology at specific locations as per enclosed attachment.	
2.4.3	Laying of Water pipeline through CD works and method of laying	HDD /jackpushing Methodology.	
	(a) On approach, the pipeline shall be carried along a line as close to the edge of the right-of-way as possible upto a distance of 30m from the bridge & subjected to all other stipulations contained in this Ministry's guidelines issued with letter no. NH-HI/P/66/76, dated 19.11.1976.	Yes, Agreed to comply.	
3	Draft license agreement signed by two witness	Yes enclosed.	
4	Performance Bank guarantee in favour of NHAI has to be obtained @Rs.100/- 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 excavated trench for laying pipeline by proper filling and compaction, clearing debris/ loose earth produced due to execution of trenching at least payment shall be payable by the NHAI to the licensee for clearing debris/loose earth.	Yes, agreed to pay as per MORTH guidelines.	
4.1	Performance BG as per above is to be obtained	Will be obtained after technical clearance from RO-NHAI.	
4.2	Confirmation of BG has been obtained as NHAI guidelines	Yes, Will be obtained after technical clearance from RO-NHAI.	
5	Affidavit/Undertaking from the applicant for	Yes, Executive Engineer of RWS&S, Keonjhar furnished undertaking.	
5.1	not to damage to other utility, if damaged then to pay the losses wither to NHAI or to the concerned agency.	yes agreed to comply and undertaking enclosed.	
5.2	Renewal of Bank Guarantee	yes agreed to comply and undertaking enclosed.	
5.3	Confirming all standard condition of NHAI's guideline	yes agreed to comply and undertaking enclosed.	

16/12/23
Superintending Engineer
RWS & S. Division, Keonjhar



DIRECTOR
 Keonjhar

Sl.No.	Item	Information/Status	Remarks
5.4	Shifting of Water pipeline 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 clause (xxiv)	yes agreed to comply and undertaking enclosed.	
5.7	Traffic movement during laying of water pipeline 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 alterations to the water pipeline located in the National Highway right-of-way.	yes agreed to comply and undertaking enclosed.	
5.10	Expenditure, if any,incurred by NHAI for rapairing any damage caused to the National Highway by laying ,Maintenance or shifting of the water pipeline will be borne by the agency owning them.	yes agreed to comply and undertaking enclosed.	
5.11	If the NHAI consider it necessary in future to move the pipelines 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 pipelines.	yes agreed to comply and undertaking enclosed.	
5.12	Certificate from the applicant in the following format	yes agreed to comply and undertaking enclosed.	
	(i) Laying of pipelines will not have any deleterious effects on any of the bridge components and road way safety for traffic.	yes agreed to comply and undertaking enclosed.	
	(ii)For 6 lanning we do under take that I will relocate pipelines at my own cost notwithstanding the permission granted such time will be stipulated by NHAI for future six-lanning , any other development.	yes agreed to comply and undertaking enclosed.	
6	Who will Sign the agreement on behalf of Water supply Pipeline agency.	The Executive Engineer RWS&S ,Govt. of Odisha,Keonjhar division ,mandua ,keonjhar-758001	
7	Certificate from the project Director	Enclosed.	
7.1	Certificate for conforming of all standard condition issued vide ministry Circular no.NH-51(58)/68, Dt.21.01.1969,Ministry circular no.RW/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),dt.28.07.1993,Ministry Circular RW/NH-11037/1/86-DOI,Dt.19.1.1995,Ministry circular RW/NH-34066/2/95/S&R(B),dt.17.09.2003 ,1. Ministry circular no.RW/NH-33044/29/2015/S&R(R) dt. 22nd November 2016	Yes,Attached.	




 16.3.22
 Superintending Engineer
 RWS & S. Division, Keonjhar

Sl.No.	Item	Information/Status	Remarks
7.2	Certificate from PD in the following format (i)"It is certified that any other location of the water pipeline would be extremely difficult & unreasonably costly and the installation of water pipeline with ROW will not adversely affect the design stability & traffic safety of the highway nor the likely future improvement such as widening of carriage way,easing of curve etc., (ii) for 6-lanning	Yes,Attached.	
7.2	(a) Where feasibility is available "I do certify that there will be no hindrance to proposed 6 lanning based on the feasibility report considering proposed structures at the said location.		
7.2	(b) Incase feasibility report is not available "I do certify that sufficient ROW is available at site for accomodating proposed 6-lanning."		
8	If NH section proposed to be taken upto NHAI on BOT basis - a cause is to be inserted in the agreement . "The permitted highway on which license has been granted the right way to lay water pipeline also been granted as a way to the concessionaire under the concession agreement for upgradation of [SINGHARA - RINIHABAHALA Section From From Ch.381+600 – Ch.393+769 (L.H.S) of NH-49 build ,operate & transfer basis] & therefore , the license shall honour the same."	NA	
9	Who will supervise the work of laying of water pipeline ?	L&T Construction Ltd.,Keonjhar (Address:- Plot No 299/346 ,Near Nirmal Convert School,Mining Road Keonjhar,Pin-758001)	
10	Who will ensure that the defects in road portion after laying of water pipeline are corrected and if not then what action will be taken.	L&T Construction Ltd.,Keonjhar (Address:- Plot No 299/346 ,Near Nirmal Convert School,Mining Road Keonjhar,Pin-758001) if not corrected , L&T Construction Ltd. bear the cost of rectification as asked by NHAI.	
11	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire.	RWS & S ,Keonjhar-division , Mandua , odisha-758001.	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permission ie The prescribed proforma (copy enclosed)	Yes,Attached	
13	If any previous approvals accorded for laying of underground water supply pipeline the photocopy of register of records of permission accorded as maintained by PD then copy to be enclosed.	Details not available to PIU NHAI Keonjhar.	

PROJECT DIRECTOR
 Implementation Unit
 Keonjhar
 L&T CONSTRUCTION LTD.
 KEONJHAR

16/3-23
 Superintending Engineer
 RWS & S. Division, Keonjhar