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, ओड़िशा /Regional Office, Odisha
301 - ए, तीसरी मंजिल, पाल हाईटस, प्लाट् नं जे/7, जयदेव विहार, भुवनेश्वर - 751013, ओड़िशा
301-A, 3rd Floor, Pal Heights, Plot No : J/7, Jayadev Vihar, Bhubaneswar- 751013, Odisha
दुरभाष /Ph.: 0674 - 2361470/ 570/670 (का/O)
ई-मेल/e-mail : roodisha@nhai.org, ronhaiodisha@gmail.com, वेबसाइट/Web : www.nhai.gov.in

NHAI/13011/54/RO/OD/ 660 /2024 22.03.2024

To

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

Sub: Rehabilitation and up-gradation of existing 2 lane to 4-lane standards of Rimuli (Km 163.000) to Koida (Km 206.200) Section of NH-215 (New NH-520), i.e. Package-I in the State of Odisha on EPC Mode under NHDP Phase-III on EPC Mode– **Permission for laying of 150 mm dia drinking water pipeline from Km.183+408 to Km.184+456 (RHS) & KM.184+456 to Km.185+063 (LHS) from Tarini Temple to Joda TATA DAV School for improvement of water supply to provide safe and clean drinking water in the utility corridor of NH-520 by WATCO Division, Keonjhar- Reg**

Ref: **PD, PIU- Rourkela letter No. 216 dated 10.02.2024**

Sir,

Please find enclosed herewith a proposal of General Manager, WATCO Division, Keonjhar for laying of 150 mm dia drinking water pipeline from Km.183+408 to Km.184+456 (RHS) & KM.184+456 to Km.185+063 (LHS) from Tarini Temple to Joda TATA DAV School. The details are as under:

Sl. No.	Chainage		Side	Length (m)	Width of corridor (mm)	Remarks
	From	To				
1.	Km.183+408	Km.183+958	RHS	550	400	Open Trench
2.	Km.186+958	Km.184+456	RHS	498	450	Open Trench
3.	Km.184+456	Km.185+063	LHS	607	450	Open Trench
4.	Km.183+527		Crossing	60	600	HDD Method

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 Behera)
Dy. Manager (Tech)

सत्यमेव जयते

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय,भारत सरकार)
National Highways Authority of India
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NHAI/13011/54/RO/OD/ 659 /2024 22.03.2024

INVITATION OF PUBLIC COMMENTS

Sub: Rehabilitation and up-gradation of existing 2 lane to 4-lane standards of Rimuli (Km 163.000) to Koida (Km 206.200) Section of NH-215 (New NH-520), i.e. Package-I in the State of Odisha on EPC Mode under NHDP Phase-III on EPC Mode– **Permission for laying of 150 mm dia drinking water pipeline from Km.183+408 to Km.184+456 (RHS) & KM.184+456 to Km.185+063 (LHS) from Tarini Temple to Joda TATA DAV School for improvement of water supply to provide safe and clean drinking water in the utility corridor of NH-520 by WATCO Division, Keonjhar- Reg**

General Manager, WATCO Division, Keonjhar has submitted a proposal laying of 150 mm dia drinking water pipeline from Km.183+408 to Km.184+456 (RHS) & KM.184+456 to Km.185+063 (LHS) from Tarini Temple to Joda TATA DAV School. The details are as under:

Sl. No.	Chainage		Side	Length (m)	Width of corridor (mm)	Remarks
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3.	Km.184+456	Km.185+063	LHS	607	450	Open Trench
4.	Km.183+527		Crossing	60	600	HDD Method

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".**

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 Highways vested with NHAI

1	General Information	
1.1	Name and address of the applicant/Agency	General Manger, WATCO Division, Keonjhar, Mining road near Aurobindo School, Keonjhar,758001
1.2	National Highway Number	NH - 520
1.3	State	ODISHA
1.4	Location	JODA (Tarini Temple to TATA DAV School)
1.5	(Chainage in Km)	**(a) Crossing** 1. Crossing of 100 mm dia pipe, casing of 300 mm dia at Chainage Km. 183+527 **(b) Along the road** **RHS** 1. 100 mm dia pipeline along the road from Chainage Km. 183+408 TO 183+958 2. 150 mm dia pipeline along the road from 183+958 TO 184+456 **LHS** 1. 150 mm dia pipeline along the road from chainage Km. 184+456 to 185+063
1.6	Length in Meters	**Crossing** (1) 60 Mtrs **Along the Road** 1. RHS- 1048 Mtrs 2. LHS- 607 Mtrs
1.7	Width of available ROW	
	a) Left side from center line towards increasing chainage / Km direction	30 m
	b) Right side from center line towards increasing chainage / Km direction	30 m
1.8	Proposal to lay underground water pipe line	
	a) Left side from center line towards increasing chainage / Km direction	NA
	b) Right side from center line towards increasing chainage / Km direction	11.3 mtrs to 26.8
1.9	Proposal to acquire land	
	a) left side from center line	NA
	b) right side from center line	NA
1.1	Whether proposal is in the same side where land is not be acquired	NA
	If not then where to lay the water pipe line	Extreme edge of ROW
1.11	Details of already laid services if any along the proposed route	Attached, Annexure-A
1.12	Number of lanes (2/4 6/8 lanes) existing	4-Lane Paved Shoulders
1.13	Proposed Number of lanes (2 lane with paved shoulders/ 4/6/8 lanes)	NA
1.14	Service road existing or not	Annexure-B
	If yes then which side	
	a) Left side from center line	
	b) Right side from center line	
	Proposed service road	
	a) Left side from center line	Nil
	b) Right side from center line	
1.16	Whether proposal to lay water supply pipe line is after the service road or between the service road and main carrageway	After Service Road in the Utility Corridor
1.17	The permission for laying the water supply pipe line shall be considered for approval/rejection based on the ministry circulars mentioned as above	Agreed
	a) Carrying of sewerage/Gas pipe lines on highway / gases pipes can acclerate the process of corrosion or may cause explosions, thus being much more injurious than leakage of water	NA

For Malviya Infra Projects Pvt. Ltd.

Team Leader
L.H. Malviya Infra Projects Pvt. Ltd.

Acting Team Leader
NH-520

20/12/2023
General Manager
WATCO Division, Keonjhar

	b) Carrying of water pipe lines on bridges shall also be discouraged. However, if any 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 pipe line on independent superstructure, supported on extended portions of piers and abutments in such a manner that in that in the final arrangement enough free space around the superstructure of the bridge remains available for inspection and repairs etc.	NA
	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	NA
	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	NA
1:18	If crossing of the road involved	Yes
	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 owing the line	Agreed
	a) Existing drainage structure shall not be allowed to carry the lines	Agreed
	b) Is it on the line normal to NH	Yes
	c) Crossing shall not be too near the existing structures on the national highway, ther minimum distance being 15 meters. What is the distance from the existing structures	More than 15 meters
	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 withdrawl of the carrier pipe/cable	Yes, Agreed
	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 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 0.3m below the drain inverts	Yes, Agreed
	h) Crossing shall be by boring methods (HDD) especially where the existing road pavement is of cement concrete or dense bituminous concrete type	Jack Pushing/HDD 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 waterway along it	Yes, Agreed
2	Document/Drawings enclosed with the proposal	
2.1	Cross section showing the size of trenches for open trenching method (is it normal size of 1.2m deep x 0.3m wide)	Details shown in the drawing attached
	i) Should not be greater than 60cm 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 15meter from trhe center lines of the nearest carriageway	Yes, Agreed
	iii) Shall nopt be permitted to run along the National Highways when the road formation is situated in double cutting. Now 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 obstruct	Yes, Agreed
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 pipe line, chainage, width of ROW, distance of proposed cable from the edge of ROW, important mile stone, intersections, cross drainage works etc	Attached
2.4	Methodology for laying of showing water supply pipe line	Attached
2.4.1	Open trenching method (may be allowed in utility corridor only where pavement is neither cement concrete npor dense bituminous concrete type. If yes Methodology or refilling of trench	
	a) The trench width should be at least 30cm but not more than 60cm wider than the outer diameter of the pipe	Yes, Agreed

SNEHAL (JV) CHEVROX

For Mahiya Infra Projects Pvt. Ltd.

Team Leader

Acting Team Leader

Mahiya Infra Projects Pvt. Ltd.

General Manager
Water Supply Division, Keonjhar

	b) For filling of the trench, Bedding shall be consist of granular material, free of lumps clods and cobbies and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edged shoukd be excavated and replaced by selected material	Yes, Agreed
	c) The backfill shall be completed in two stages (i) side fill to the level of the top of the pipe and (ii) overfill of the bottom of the road crust	Yes, Agreed
	d) The side fill shall consist of granular material laid in 15cm layers each consolidated by mechanical tempering 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 nnot 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, signs 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 of water supply pipe line through CD works and method of laying	
	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 mtr from the bridge and subject to all other stipulations contained in this Ministry's guidelines issued with letter No. NH-Hi/P/66/76 dtade 19.11.1976	Yes, Agreed
3	Draft license Agreement signed by two witnesses	Enclosed
4	Performance bank Guarantee in favour of NHAI has to obtained @Rs50/- 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 debries/loose earth produced due to execution of trenching at least 50 mtr away from the edge of the right of way. No payment shall be payable by the NHAI to the licensee for clearing debries/ loose earth	Yes, Agreed
4.1	Performance BG as per above is to be obtained	BG will be submitted as intimated by NHAI
4.2	Confirmation of BG has been obtained as per NHAI guidelines	Yes, Agreed
5	Affidavit/Undertaking from the applicant for	
5.1	Not to damage to the utility, if damaged then to pay the losses either to NHAI or to the concerned agency	Yes
5.2	Renewal of bank guarantee	Yes
5.3	Confirming all standard condition of NHAI's guideline	Yes, Agreed
5.4	Shifting of water supply pipeline as and whrn required by NHAI at their own cost	Yes, Agreed
5.5	Shifting due to 6 lanning/widening of NH	Yes, Agreed
5.6	Indemnity against all damage and claims clause (xxiv)	Yes, Agreed
5.7	Traffic movement during laying of water supply pipe line to be managed by the applicant	Yes, Agreed
5.8	If any claim is raised by the concessionaire then the same has to be paid by the applicant	Yes, Agreed
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting of repairs of alternations to the showing water supply pipe line located in the National Highway right of ways	Yes, Agreed
5.10	Expenditure, if any incurred by the NHAI for repairing any damage caused to the National Highway by laying, maintenance or shifting of the water supply pipe will be borne by the agency owning the line.	Yes, Agreed
5.11	If the NHAI considers it necessary in future to move the unity 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

L. N. Malviya Infra Projects Pvt. Ltd.

Acting Team Leader

Team Leader

NH-520

General Manager
WATCO Division, Keonjhar

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 traffic (ii) For 6 lanning "We do undertake 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 6 lanning of any other development	Certificate and undertake enclosed
6	Who will sign the agreement on behalf of water supply pipe line agency	General Manger, WATCO Division, Keonjhar
7	**Certificate from the Project Director**	Attached
7.1	Certificate for confirming of all standard condition issued vide ministry circular No. Nh-41 (58)/68 dated 31.01.1969, Ministry Circular No. NH-III/P/66/76 dated 18-19.11.1976, Ministry Circular No RW/NH-11037/1/86/DOI (ii) dated 27.07.1993, Ministry Circular No.RW/NH/11037/1/86/DOI dated 19.01.1995, 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 17.09.2003 Ministry Circular No. RW/NH-111/P/66/76 dated 11.05.1982	Attached
7.2	Certificate from PD in the following format. "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 and traffic safety of the highway nor the likely future improvement such as widening of the carriageway, easing of curve etc	Attached
	i) for 6 lanning	
	(a) Where feasibility is available "I do certify that there will be no hindrance to proposed 6-lanning based on the feasibility report considered proposed structure at the said location.	
	(b) In case feasibility report is not available "I do certify that sufficiebnt ROW is available at site for accomodating proposed six-lanning	
8	Oif NH section proposed to be taken up by NHAI in BOT basis - a clause is to be inserted in the agreement " The permited Highway on which the license has benn granted the right to lay cable/duct has also been granted as a right of way to the concessionate 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.	
9	Who will supervise the work of laying of water supply pipe line	Applicant under guidance of NHAI Authority
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.	Applicant under guidance of NHAI Authority
11	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire	Applicant:- WATCO- Joda
12	A certificate form PD that he will enter the proposed permission in the register of records of the permission 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 the copy be enclosed	NIL

C. SMEHAL (JV) CHEVROX

Team Leader
L.N. Malviya Infra Projects Pvt. Ltd.

L. N. Malviya Infra Projects Pvt. Ltd.

Acting Team Leader
NB-520

20/12/2023
General Manager
WATCO Division, Keonjhar

परियोजना निर्देशक
PROJECT DIRECTOR
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
प.का.इ. केन्दझर / PIU - Keonjhar