



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

301 - ए, तीसरी मंजिल, पाल हाईट्स, प्लॉट नं. 7, जयदेव विहार, भुवनेश्वर - 751013, ओडिशा  
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NHAI/13011/54/RO/OD/ 61 /2023

04.01.2023

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 800 mm Iron Ore Slurry pipeline & 800 mm Return Water Pipeline from Rimuli-Bileipada, from Ch. Km 163+000 to Km 178+350 in the Utility corridor of NH-215 (New NH-520)- Reg**

Sir,

Please find enclosed herewith a proposal of M/s Thriveni Earthmovers Pvt. Ltd for laying of 800mm Iron Ore Slurry Pipeline and 800 mm Water Pipeline from Rimuli to Bileipada (Ch.163+000 Km to 178+350 Km) in the utility Corridor of NHAI. The details is as under:

Sl. No.	Location of Pipeline laying/ crossing in Project Highway NH-143	Along the Road (m)	Across the Road (m)	Dia. Of Pipeline (m)	Remarks
1	Km 163+000 to Km 173+000	10000	NA	800mm+800mm	Total Trench width 1750mm (LHS)
2	Km 173+000	NA	60	1200mm+ 1200 mm	Total width of 3800 mm
3	Km 174+000 to Km 174+000	1000	NA	800mm+800mm	Total Trench width 1750mm (RHS)
4	Km 174+000	NA	60	1200mm+ 1200 mm	Total width of 3800 mm
5	Km 174+000 to Km 178+350	4350	NA	800mm+800mm	Total Trench width 900mm (LHS)
6	Km 178+350	NA	60	1200mm+ 1200 mm	Total width of 3800 mm

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*  
04.01.2023

(Abinash Behera)  
Dy. Manager (Tech)



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

NHAI/13011/54/RO/OD/ 60 /2023

04.01.2023

## 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 800 mm Iron Ore Slurry pipeline & 800 mm Return Water Pipeline from Rimuli-Bileipada, from Ch. Km 163+000 to Km 178+350 in the Utility corridor of NH-215 (New NH-520)- Reg**

M/s Thriveni Earthmovers Pvt. Ltd has submitted a proposal for laying of 800mm Iron Ore Slurry Pipeline and 800 mm Water Pipeline from Rimuli to Bileipada (Ch.163+000 Km to 178+350 Km) in the utility Corridor of NHAI. The details is as under:

Sl. No.	Location of Pipeline laying/ crossing in Project Highway NH-143	Along the Road (m)	Across the Road (m)	Dia. Of Pipeline (m)	Remarks
1	Km 163+000 to Km 173+000	10000	NA	800mm+800mm	Total Trench width 1750mm (LHS)
2	Km 173+000	NA	60	1200mm+ 1200 mm	Total width of 3800 mm
3	Km 173+000 to Km 174+000	1000	NA	800mm+800mm	Total Trench width 1750mm (RHS)
4	Km 174+000	NA	60	1200mm+ 1200 mm	Total width of 3800 mm
5	Km 174+000 to Km 178+350	4350	NA	800mm+800mm	Total Trench width 900mm (LHS)
6	Km 178+350	NA	60	1200mm+ 1200 mm	Total width of 3800 mm

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](mailto:roodisha@nhai.org)

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

*[Signature]*  
04.01.2023

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 ROW From Rimuli to Bileipada (Ch 163.000 Km) to (Ch 178.350 Km) on NH-520 (Formerly NH-215) Vested With NHAI**

### Relevant Circulars:

1. Ministry Circular No.NH-41 (58)/68 Dated 31-01-1969
2. Ministry Circular No.HN-III/P/66/76 Dated 18/19 -11-1976
3. Ministry Circular No.RW/NJ-111/P/66/76 Dated 01-05-1982
4. Ministry Circular No.RW/NH-11037/1/86-DOI(II) Dated 28 -07-1993
5. Ministry Circular No.RW/NH-11067/1/86-DOI Dated 19-04-1995
6. Ministry Circular No.RW/NH-34066/2/95/S&S Dated 25-10-1999
7. Ministry Circular No.RW/NH-34066/7/2003 S&R Dated 17-09-2003
8. Ministry Circular No.RW/NH-33044/29/2015/ S&R® dt.22<sup>nd</sup> November 2016
9. Ministry Circular No.RW/NH-37011/52/2020-BP&SP Dated 15-01-2021

### Check list for getting approval for laying of water supply pipe line on NH land

S.NO	ITEM	INFORMATION/STATUS	REMARKS
1	General Information	Thriveni Earthmovers Pvt. Ltd. has proposed to transport 30 MTPA Iron Ore from mining area around Deojhar, Dist-Keonjhar, Odisha to its proposed Pellet Plant at Paradip, Dist-Jagatsinghpur, in form of Iron Ore Slurry through Slurry Pipeline. Thus, the company is seeking permission for laying of one 800mm dia Iron Ore Slurry Pipeline and one 800mm dia Return Water Pipeline in utility corridor of National Highway No-520 (Formerly NH-215) from Rimuli to Bileipada (Chainage 163.000 Km) to (Chainage 178.350 Km) by open trench method in general and Horizontal Directional Drilling (HDD) method at specific locations like Road crossings, rivers, bridge, canal, railways etc. and places where locational constraints exist.	
1.1	Name And Address Of The Applicant	Thriveni Earthmovers Pvt. Ltd., Post Box No. 1, At : Unchabali, Po: Bamebari, Via: Joda, Dist.: Keonjhar, Odisha - 758034.	
1.2	National Highway Number	NH-215 (New NH 520)	
1.3	STATE	Odisha	
1.4	Location	Rimuli to Bileipada	
1.5	Chainage in Km	Ch 163+000 to Ch 178+350	
1.6	Length in Metres	15350 m	
1.7	Width Of Available Road Of NHAI Land	30 m from centre line of NH-215 at each side. Total width 60 m.	
	(a) Left Side From Centre Line (Towards Increasing Chainage/KM Direction)	30 Meter	
	(b) Right Side From Centre Line (Towards Increasing Chainage/KM Direction)	30 Meter	
1.8	Proposal To Lay Underground Slurry & Water Pipeline	Yes	
	(a) Left Side From Centre Line (Towards Increasing Chainage/KM Direction)	Left side from Km 163.000 to Km 173.000 & Km 174.000 to Km 178.350 .	

**L. N. Malviya Infra Projects Pvt. Ltd.**

**Acting Team Leader**



PROJECT DIRECTOR  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
 National Highways Authority of India  
 1 PIU, Rourkela



	(b) Right Side From Centre Line (Towards Increasing Chainage/KM Direction)	Right Side from Km 173+000 to Km 174.000.	
1.9	Proposal To Acquire Land	NO	
	(a)Left Side From Centre Line	NO	
	(b)Right Side From Centre Line	NO	
1.10	Whether Proposal Is In The Same Side Where Land Is Not To Be Acquired	NA	
	If Not Then Where To Lay The Water Pipeline	In the Utility corridor of NHAI ROW	
1.11	Details Of Already Laid Service, If Any Along The Propose Route	Attached	Annexure-A
1.12	Number Of Lanes (2/4 or 6/8)Existing	4 lanes with paved shoulder.	
1.13	Proposed Number of Lanes (2 Lanes With Paved Shoulders)	NA	
1.14	Service Road (Existing or Not)Y/N If Then Which Side	Yes (At service road stretches utility to be laid beyond ROW	Annexure-B

	(a)Left Side From Centre Line (Width)	7 Mtr	
	(b)Right Side From Centre Line (Width)	7 Mtr	
1.15	Proposed Service Road	No	
	(a)Left Side From Centre Line (Width)	NA	
	Right Side From Centre Line (Width)	NA	
1.16	Whether Proposal To lay Water Supply Pipeline is after the servlce road or between the service and main carriageway	After the Service Road, In the Utility Corridor	
1.17	The permission for laying of water supply pipe line shall be considered for approval/rejection based on the ministry circular mentioned as above	Yes Agreed	
	(a) Carrying of sewage/gas pipelines on highway bridge shall not be permitted as fumes/gases pipes can accelerate the process of corrosion or may cause explosions,thus,being much more injurious	Agreed	
	(b)Carrying of Water pipelines on bridges Shall also be discourage(d) However, if the Water supply authorities seem to have no other viable alternative and approach the highway well in time before the design of the bridge is finalized permitted to carry the pipeline on the independent superstructure, supported on extended portion of piers and abutment in such a manner that in the final arrangement enough free space around the superstructure of bridge remains available for inspection and repairs, etc	Yes, Agreed.	
	(c) Cost of required extension of the substructure as well as that of the supporting superstructure is borne by the agency in charge of the utilities.	NA	
	(d) Services are not being allowed indiscriminately on the parapet/any part of the bridge, safety of the bridge has to be kept in view while permitting various services along bridge. Approval is 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 If yes, it shall be either encased in pipes or through structures or conduits specially built for that purpose at the expenses of the agency owning the line.	NO	

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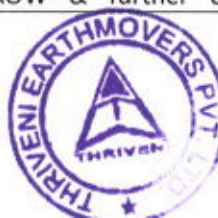
परियोजना निदेशक  
PROJECT DIRECTOR  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
ज.इ. रौंदके / PIU, Rourkela



	(a) Existing Drainage Structure Shall not be allowed to carry the line	NA	
	(b) is it on a line normal NH	NA	
	(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.	NA	
	(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 concert having adequate strength and be large enough to permitted ready withdrawal of the carrier pipe/cable.	NA	
	(e) End of the casing/conduit pipe line shall be Sealed from outside, so that it does not act As a drainage path.	NA	
	(f) The casing/conduit pipe shall be sealed From drain to in cuts and line of slope in the fills.	NA	
	(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 invert.	NA	
	(h) Crossing shall be by boring method (HDD) Especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	NA	
	(i) The casing/conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent formation of a waterway along it.	NA	
2.0	Document/Drawing enclose with the proposal	Yes, Drawings, Documents enclosed.	
2.1	Cross section showing the size of the trench for open trench method (it is normal size of 1.2 deep x 0.3 m wide )	Not normal size but as per drawing attached.	
	(i) Should not be greater than 60 cm wider than the outer 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 line 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 nor shall these be laid over existing culverts and bridges.	Yes, submitted as incorporated in the drawing.	
	(iv) These should be also 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, agreed to comply	
2.2	Cross section showing the size of the pit and location of cable for HDD method.	Yes submitted as incorporated in the drawing.	
2.3	Strip plan/route plan showing water pipe line , Chainage, width of ROW , distance of proposed cable from the edge of ROW , important mile stone , intersection , cross drainage work etc.	Yes, submitted showing all desired details in the Drawings.	
2.4	Methodology for laying of water pipe line	Yes, Submitted.	
	Open trenching method (may be allowed in the utility corridor only where pavement is neither cement concrete nor dense bituminous concrete	Yes, open trenching allowed as per submitted methodology at specific locations as per available ROW & further compliance by	

L. N. Malviya Infra Projects Pvt. Ltd.

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National Highways Authority of India  
न. हा. प्रा. वि. / PIU, Ro



	type if yes, methodology or refilling of trench.	Thriveni Earthmovers Pvt. Ltd as per MoRTH/IRC guidelines, such mentioned below.	
	(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, agreed to comply	
	(b)For filling of trench, bedding shall be to a depth of 30 cm. it shall consist of granular material free of lumps clods and cobbles and graded to yield a firm surface without sudden changes in the bearing value. Unsuitable soil and rock edges should be excavated and replaced by selected materials	Yes, agreed to comply	
	(c)The backfill shall be completed in two stages		
	(i)Side fill the level of the top of the pipe and	Yes, agreed to comply	
	(ii)Overfill to the bottom of the road crust.	Yes, agreed to comply	
	(d)The side fill shall consist of granular Material laid in 15 cm layers each consolidated By mechanical tampering and controlled Addition of moisture of 90% of the proctor's Density as the materials that had been removed Consolidation by saturation or pending will not	Yes, agreed to comply	
	(e)The road crust shall be built to the same Strength as the existing crust on the either side of trench care shall be taken to avoid formation of dip at the trench.	Yes, agreed to comply	
	(f)The excavation shall be protected by flagman, signs and barricades, red lights during the night hours.	Yes, agreed to comply	
	(g)If required, a diversion shall be constructed at the expenses of the agency owning the utility line.	Yes, agreed to comply	
2.4.2	Horizontal Directional drilling (HDD) Method	Yes, HDD Method allowed as per submitted methodology at specific locations as per available ROW & further compliance by Thriveni Earthmovers Pvt. Ltd as per MoRTH /IRC guidelines.	
2.4.3	Laying of water supply pipeline through CD Work and method laying.	At all CD work locations HDD method will be adopted.	
	(a)Open approaches the water mains/cables Shall be carried along a line as close to the edge Of the right of the way as possible up to a distance of 30 m from the bridge and subject to all other stipulation contained in the ministry's guidelines issued with letter NH-HI/66/76 dated 19-11-1976	Yes, agreed to comply	
3	Draft Licence agreement signed by two witness	Yes, Submitted	
4	Performance bank guarantee in favour of NHAI has to <u>obtained@RS.50/-</u> 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 satisfactorily completion of work) as a security for ensuring/making good the excavated trench for laying the cable/duct by proper filling and compaction, clearing debris/loose earth produced due to executing of trenching at least 50 m away from the edge of the right of way no payment shall be payable by NHAI to the license for clearing debris/loose earth	Yes, agreed for submission of Performance BG as per latest MoRTH/NHAI guidelines.	

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National Highways Authority of India  
न. डी. रोडवेज (P.U.) राउट



4.1	Performance BG as per above to be obtained	Yes, agreed for submission	
4.2	Confirmation of BG has been obtained as per NHAI guidelines.	Yes, will be obtained after submission of BG	
5	Undertaking from the applicant	Yes, agreed and submitted	
5.1	Not to damage to the other utility, if damaged then to pay the losses either to NHAI or to the concerned agency	Yes, agreed to comply & submitted undertaking.	
5.2	Renewal of bank guarantee.	Yes, agreed to comply & submitted undertaking.	
5.3	Confirming all standard condition of NHAI's guidelines	Yes, agreed to comply & submitted undertaking.	
5.4	Shifting of Water pipeline as and when required by NHAI at our own cost.	Yes, agreed to comply & submitted undertaking.	
5.5	Shifting due to 6 Lanning/widening of NH.	Yes, agreed to comply & submitted undertaking.	
5.6	Indemnity against all damages and claim clause(XXIV)	Yes, agreed to comply & submitted undertaking.	
5.7	Traffic movement during laying of Water pipeline to be managed by the applicant.	Yes, agreed to comply & submitted undertaking.	
5.8	If any claim is raised by the concessionaire then the same has to be paid by the applicant.	Yes, agreed to comply & submitted undertaking.	
5.9	Prior approval of the NHAI to be obtained Before undertaking any work of the installation, shifting or repairs, or alterations to the water pipelines located in the National Highway right of way.	Yes, agreed to comply & submitted undertaking.	
5.10	Expenditure, if any incurred by NHAI for repairing Any damage cause to the National Highway by laying, maintenance or shifting of the water pipeline will be borne by the agency owning the line.	Yes, agreed to comply & submitted undertaking.	
5.11	If the NHAI consider it necessary to move the utility line for any work of improvement or repair of the road, it will be carried out as desired by the NHAI or 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 & submitted undertaking.	
5.12	Certificate from the applicant in the following format :	Yes, agreed to comply & submitted undertaking.	
	(i) Laying of water pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.		
	(ii)for 4 lanning "we do undertake that i will relocate service road/approach road/utility at my own cost notwithstanding the permission granted within such time as well as be stipulated by NHAI" for future six – lanning or any development.		
6	Who will sign the agreement on behalf of Water pipeline agency?	Authorised Signatory as appointed by Thriveni Earthmovers Pvt. Ltd and Power of Attorney attached.	
7	Certificate from the Project Director	Attached	
7.1	Certificate for confirming of all standard condition issued vide ministry circular NO.NH41 (58)/68 Dated 31-01-1969 Ministry circular No.NH-3/P/66/76 Dated 18/19.11.1976, Ministry Circular No.RW/NH-3/P/66/76 Dated 11-05-1982 Ministry circular No.RW/NH-11037/1/86-DOI(II) Dated 28.07.1993,	Yes, Attached	

L. N. Malviya Infra Projects Pvt. Ltd.

Acting Team Leader



परियोजना निदेशक  
PROJECT DIRECTOR  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
प. ६, राउरके। PIU, Rourke



	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 17.09.2003		
7.2	Certificate From PD In the following format:(i) It is to certify that any other location of the water pipeline would be extremely difficult and unreasonably costly and the installation of water pipeline with in ROW will not adversely affect the design , stability and traffic safety of the highway nor the likely future improvement such as widening of carriageway easing of curves etc.	Attached	
	(ii) for 6 Lanning		
	(a)Where is feasibility available " I do certify That there will be no hindrance to propose six Lanning based on the feasibility report considering proposed structure at the site location"		
	(b) In case feasibility Report is not available – " I do certify that sufficient ROW is available At site for accommodating proposed six		
8	If NH section proposed to be taken up by NHAI on BOOT basis –a clause is to be inserted In the agreement" the permitted highway on which license has been granted to lay water pipeline cable/duct has also been granted as right to way to the concessionaire under the concession agreement may likely to be handed over to the concessionaire for up gradation of (..... section from km..... to km..... of NH no..... on built, operate and transfer Basis) and therefore, the license shall honour the same.	Not Applicable	
9	Who will supervise the work of laying of water Pipeline.	Thriveni Earthmovers Pvt. Ltd under guidance of NHAI Authority.	
10	Who will ensure , that the defects in road Portion after laying of water pipeline are Corrected and if not corrected the what action Will be taken.	As NHAI Authority would instruct accordingly the company, Thriveni Earthmovers Pvt. Ltd shall comply.	
11	Who will pay the claims for damage done /disruption in working of concessionaire if Asked by the concessionaire.	Thriveni Earthmovers Pvt,Ltd. At Unchabali, Post Bamebari, Dist Keonjhar - 758 086, Odisha	
12	A certificate from PD that he will enter the proposed Permission in the register of records of the permission in the prescribed Performa (copy enclosed)	Yes, Attached	
13	If any previous approval is accorded for of underground water pipeline then photo copy of register of records of permission accorded as maintained by PD then copy enclosed.	NA	

**For THRIVENI EARTHMOVERS PVT. LTD.**

**Authorised Signatory**

**L. N. Malviya Infra Projects Pvt. Ltd.**

**Acting Team Leader**

परियोजना निदेशक  
PROJECT DIRECTOR  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority's of India  
न ह, राउरके / PHJ, Rourkela