भारत सरकार
सड़क परिवहन और राजमार्ग मंत्रालय
क्षेत्रीय कार्यालय, भुवनेश्वर
प्लट संख्या - 184 (फायर स्टेसन चौक के पास)
बरमुन्डाँ, भुवनेश्वर-751003
दूरभाषा : (0674) 2960994 & 2952994
ई-मेल :robbsr.morth@gmail.com

सत्यमेव जयते

Government of India
Ministry of Road Transport & Highways
Regional Office, Bhubaneswar
Plot No. - 184 (Near Fire Station Square)
Baramunda, Bhubaneswar-751003
Ph. No.: (0674) 2960994 & 2952994
E-mail: robbsr.morth@gmail.com

No. RO/BBSR/Utility Services/NH-326/JYP/115/2025 -861 Date: 25th Jul, 2025

Invitation of Public Comments

Sub: Permission for laying of 20" dia 2 nos iron ore slurry pipeline along with 20 mm OFC across NH-326 at km 426/300 by ArcelorMittal Nippon Steel India Pvt. Ltd. in Malkangiri district - reg.

1. Executive Engineer, National Highway Division, Jeypore vide letter dated 07.07.2025 has submitted a proposal on the mentioned subject as detailed below:

Across the NH:

Sl. No.	NH Chainage	Available RoW (in mt)	Dia of Pipe including casing (In mm)	Carriageway width (in m)	Depth of laying of utility from GL	Methodology
1	km 426/300	18.0 m	500 mm dia	7.38 m	The pipeline is proposed to be laid at a depth of 2.0 m below the Ground level.	HDD method

2. As per Ministry's OM No. RW/NH-33044/29/2015/S&R(R) dated 22nd November, 2016 the Highway Administrator 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, if any.

3. In view of above, comments of public for claims/objections, if any, on the above proposal are invited online as well as in hard copy. The strip plan/location details are enclosed herewith. The same should reach to the below mentioned address within 30 days from the date of uploading it in the website, beyond which no objection will be considered.

Address:
Regional Officer,
Ministry of Road Transport & Highways,
Plot No -184, Near Fire Station Sq.,
Baramunda, Bhubaneswar - 751003.

Yours faithfully,

25/07/25

(Sudhansu Sekhar Sahu)
Senior Technical Assistant
For Regional Officer

Copy to:

1) The Senior Technical Director, NIC, Transport Bhawan, New Delhi - 110001- along with strip chart for uploading on the Ministry's website.
2) General public with request to furnish comments, if any, to the above mentioned address or by e-mail to "robbsr.morth@gmail.com

डाक्री संख्या 1018
तारीख 14.07.2025
सड़क परिवहन और राजमार्ग मंत्रालय
क्षेत्रीय कार्यालय, भुवनेश्वर

Office of the Executive Engineer
National Highway Division, Jeypore

Letter No. 1295/NH Dated: 07/07/2025

To

The Regional Officer,
Ministry of Road Transport & Highways,
Plot No. 184, In front of C.R.P.F. Stadium,
Baramunda,
At/Po: Bhubaneswar,
Dist: Khurda.

Sub: Laying of iron ore 2nd Slurry pipeline from Kirandul of Chhattisgarh State to Visakhapatanam of Andhra Pradesh State- Request for granting permission to lay 20".dia 2 Nos iron Ore Slurry pipe line along with 20 mm OFC and Across NH-326 (Asika to Chinturu Section).

Sir,

In inviting a kind reference to the subject cited above, it is to submit herewith the proposal for permission of Laying iron ore 2nd Slurry pipeline from Kirandul of Chhattisgarh State to Visakhapatanam of Andhra Pradesh State through 20":dia 2 Nos iron Ore Slurry pipe line along with 20 mm OFC and Across NH-326 (Asika to Chinturu Section) of Arcelor Mittal Nippon Steel India Pvt Ltd.

The slurry pipe line is proposed to cross at two points of NH-326 & they have requested to lay the pipes through HDD method. The detailed procedure of laying with layout plan is submitted herewith for reference.

The ROW details of the following places where slurry pipe line to be undergrounded

Sl No	District	NH No	Chainage	Place Name	Existing ROW
1	Malkangiri	NH-326	426.300	MV-07	18
2	Malkangiri	NH-326	426.302	MV-13	18

This is for favour of kind information & necessary action.

Encl:- File as above with all document
Site inspection report of JE

Yours faithfully

Executive Engineer
N.H. Division, Jeypore.

Memo No. _____ /Dated: _____

Copy to Arcelor Mittal Nippon Steel India Pvt Ltd, Near Flyover, Scindia Road, Visakhapatnam-530004 Andhra Pradesh Email:- shambhumaiti@gmail.com for information necessary action.

Sd/-
Executive Engineer
N.H. Division, Jeypore

Please examine
18/7

Sr. Th

INSPECTION REPORT

ROW Permission for laying of Iron ore 2nd slurry pipeline from Kirandul of Chhattisgarh state to Visakhapatnam of Andhra Pradesh state- Request for granting permission to lay 20" Dia (2 Nos) Iron ore slurry pipeline along with 20 mm OFC and Across NH-326 (Asika to Chinturu station) falling under your jurisdiction. has been inspected by undersigned and the following observations has been made at site.

1. The Location of the chainage is 426+300 to 426+302 (2.00 mtr length) on NH-326 and this site is located in between MV-7 and MV-13 village.
2. As per the attached drawing the proposed cable will be laid across the road by HDD method.
3. The ROW of the said location is 18.00 mtr instead of 13.77 mtr which has mentioned in check list.

23/06/25

Junior Engineer
N.H Section, Malkangiri.

AM/NS INDIA Pvt Ltd.

PROJECT: KIRANDUL TO VISAKHAPATNAM IRON ORE SLURRY PIPELINE

SECTION : KIRANDUL AM/NS PLANT TO VISAKHAPATNAM AM/NS PLANT IRON ORE 2ND SLURRY PIPELINE

Annexure-A

NATIONAL HIGHWAY - CROSSING FALLING ON THE ROUTE OF THE PIPELINE

Sl. No.	Cs. No.	Type of Crossing	Pipe Line Chainage (km)	Road Chainage (km)	Crossing Width (m)	Row Width (m)	RL (m)	Angle of Crossing	Latitude	Longitude	Village	Tahsil	District	State
1	50	National Highway-326 (Malkangiri to Ponarguda) km-426/3 - 426/4	74+830.47	426+300 & 426+302	7.38	18.00	174.16	81°	18° 17' 26.1917"	81° 50' 27.9496"	Tandapali	Malkangiri	Malkangiri	Odisha

For ArcelorMittal Nippon Steel India Private Limited

Authorised Signatory

ArcelorMittal Nippon Steel India Private Limited VSP AP

CHECK- LIST

Check list for getting approval for laying of Iron Ore Slurry pipeline on NH Land

Sr. No.	Description	Information /Status	Remarks
1	General Information	Laying of 20" dia (2 Nos) Iron Ore Slurry Pipeline and Optical Fiber Cable across National Highway-326 Asika to Chinturu in the state of Odisha, en-route from Kirandul to Vishakhapatnam Iron slurry pipeline project.	
1.1	Name and Address of the Applicant/Agency	ArcelorMittal Nippon Steel India Private Limited, Near Flyover, Scindia Road, Visakhapatnam-530004	
1.2	National Highway Number	NH-326	
1.3	State	Odisha	
1.4	Location	Tandapali village of Malkangiri Tehsil & Dist.	
1.5	(Chainage in KM)	Across the NH-326 at 426+300 & 426+302km	
1.6	Length in Meters	Across: 18.00 Meters	
1.7	Width of available ROW	Across: 18.00 Meters	
	(a) Left side from center line towards increasing Chainage / km direction	Across: 9.00 Meters	
	(b) Right side from center line towards increasing Chainage / km direction	Across: 9.00 Meters	
1.8	Proposal to lay underground Iron Ore Slurry pipeline		
	(a) Left side from center line towards increasing Chainage / km direction		
	(b) Right side from center line towards increasing Chainage / km direction		
1.9	Proposal to acquire land		
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.10	Whether proposal is in the same side where land is not to be acquired	No	
1.11	Details of already laid services if any along the proposed route	NIL	

For ArcelorMittal Nippon Steel India Private Limited

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1.12	Number of lanes (2/4/6/8 lanes) existing	2	
1.13	Proposed number of lanes (2 lane with paved shoulders 4/6/8 lanes)	2 lane with paved shoulders	
1.14	Service road existing or not	No	
	If yes then which side		
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.15	Proposed service road		
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.16	Whether proposal to lay Multiproduct petroleum pipeline is after the service road or between the service road and main carriageway	NA	
1.17	The permission for laying of Iron Ore Slurry pipeline shall be considered for approval / rejection based on the Ministry circulars mentioned as below		
	(a) Carrying of sewage / Iron Ore Slurry pipelines on highway bridges shall not be permitted as Fumes / Iron Ore Slurry pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of pipeline	NA	
	(b) Carrying of Iron Ore Slurry pipelines on bridges shall not be discouraged. However, if the Iron Ore Slurry authorities seem to have authority well in time before the design of the bridge is finalized, they may be permitted to carry the pipeline on independent superstructure, supported 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.	NA	

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	(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 must 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 crossings of 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	Yes, HDD method. HDD (Horizontal Directional Drilling) is the latest trenchless method without casing. It is safest and has no impact on surroundings. This method is being implemented for crossings of NH and has long life compared to other methodologies.	
	(a) Existing drainage structures shall not be allowed to carry the lines.	N/A	
	(b) The Iron Ore Slurry pipe services shall cross the national Highway preferably on a line normal to it or as nearly show as practicable. Think Arcelor Mittal Nippon Steel India Private Limited shall be permitted to cross the national Highway either through structure or conduits specially built for that purpose. The casing / conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the specifications of the Ministry.	Yes.	
	(c) The casing pipe may be installed under the route embankment either by boring Or digging a trench. Installation by boring method shall prefer.	NA	
	(d) The casing pipe (or conduit	NA	

	pipe in the case of electric cable) carrying the Iron Ore Slurry 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 a drainage path.	NA, as the crossing methodology is HDD.	
	(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.	NA, as the crossing methodology is HDD.	
	(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 meter below the drain inverts.	NA, as the crossing methodology is HDD.	
	(h) Crossing shall be by boring method specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Crossing methodology is HDD which is the latest trenchless method without casing. It is safest and has no impact on surroundings. This method is being implemented for crossings of NH and has long life compared to other methodologies.	
	(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 Gas way along it.	NA	
2	Document / Drawings enclosed with the proposal	Enclosed	
2.1	Cross section showing the size of trench for open trenching method (Is its normal size of 1.2-meter-deep X 0.6 meter wide) (i) Should not be greater than 60 cm wider than the outer diameter of the pipe (ii) Located as close to the extreme edge of the right-of-way as possible but the utility services shall cross the National Highway preferably on a line normal to it or as nearly so as practicable. (iii) The casing pipe shall be	NA	Enclosed (HDD Methodology)

For ArcelorMittal Nippon Steel India Private Limited

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	installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred. (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 pipeline for HDD method		
2.3	Strip plan / Route plan showing Iron Ore Slurry pipeline, Chainage, width of ROW, distance of proposed cable from the edge of ROW, important milestone, intersections, cross drainage works etc.	Yes, Enclosed.	
2.4	Methodology for laying of Iron Ore Slurry pipeline.	Yes, Enclosed.	Enclosed (HDD Methodology)
2.4.1	Open trenching method. (May be allowed in Iron Ore Slurry corridor only where pavement is neither cement concrete nor dense bituminous concrete type. If yes, Methodology of refilling of trench	YES	
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	N/A	
	(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.	N/A	
	Unsuitable soil and rock edged should be excavated and replaced by selected material.	N/A	
	(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.	N/A	

	(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 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.	N/A	
	(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.	N/A	
	(f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	N/A	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line	N/A	
2.4.2	Horizontal Directional Drilling (HDD) Method	Yes	
2.4.3	Laying of Iron Ore Slurry pipeline through CD works and method of laying		
	(a) The utility services shall cross the National Highway preferably on a line normal to it for as nearly so as practicable and subject to all other stipulations contained in this Ministry's guidelines issued with letter No.RW/NH-33044/29/2015/S&R(R) Dtd.22nd November, 2016	NA	
3	Draft License Agreement signed by two witnesses	Yes, Enclosed.	
4	Performance Bank Guarantee in favour of NH has to be obtained.		
4.1	Performance BG as per above is to be obtained.	BG will be provided by M/s AM/NS India Private Limited after approval accorded by NHAI.	
4.2	Confirmation of BG has been obtained as per NH guidelines	Confirmation shall be obtained after BG submission by M/s AM/NS India Private Limited.	
5	Affidavit / Undertaking from the		

For ArcelorMittal Nippon Steel India Private Limited

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ArcelorMittal Nippon Steel India Private Limited VSP AP

	Applicant for		
5.1	Not to Damage to other utility, if damaged then to pay the losses either to NH or to the concerned agency	Yes. Enclosed	
5.2	Renewal of Bank Guarantee	Yes. Enclosed	
5.3	Confirming all standard condition of NH guideline	Yes. Enclosed	
5.4	Shifting of Iron Ore Slurry Pipeline as and when required by NH at their own cost - Shifting due to 6 Lanning / widening of NH	Yes. Enclosed	
5.5	Indemnity against all damages and claims clause.	Yes. Enclosed	
5.6	Traffic movement during laying of Iron Ore Slurry pipeline to be managed by the applicant	Yes. Enclosed	
5.7	If any claim is raised by the Concessionaire, then the same has to be paid by the applicant	Yes. Enclosed	
5.8	Prior approval of the NH shall be obtained before undertaking any work of installation, shifting or repairs or alterations to the showing Iron Ore Slurry Pipeline located in the National Highway right-of ways.	Yes. Enclosed	
5.9	Expenditure, if any, incurred by NH for repairing any damage caused to the National Highway by I the laying, maintenance or shifting of the Iron Ore Slurry Pipeline will be borne by the agency owning the line.	Yes. Enclosed	
5.10	If the NH considers it necessary in future to move the Iron Ore Slurry line for any work of improvement or repairs to the road, it will be carried out as desired by the NH at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given	Yes. Enclosed	
5.11	Certificate from the applicant in the following format	Yes. Enclosed	
	(i) Laying of Iron Ore Slurry Pipeline will not have any deleterious effects on any of the	Yes. Enclosed	

	bridge components and roadway safety for traffic.		
	(ii) for 6 – fanning "We do undertake that I will relocate service road / approach road I utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NH" for future Six – lanning or any other development."	Yes. Enclosed	
5.12	Undertaking that the applicant has obtained various safety clearances from the representative authorities such as directorate of electricity, Chief controller of Explosives, Petroleum and explosives safety organization, Oil India Safety Directorate, State/Central pollution control board and any other statutory clearances as applicable before applying Highway administration.	NA	
6	Who will sign the agreement on behalf of Iron ore slurry pipeline agency	D.S Varma (Head-HR & IR and Admin, Vizag Asset) ArcelorMittal Nippon Steel India Private Limited	
	Power of attorney to sign agreement available or not	Yes Enclosed.	**Annexure-5**
7	Certificate from the Project Director		
7.1	Certificate for confirming 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. - NH-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/D01 dated- 19.1.1995. Ministry Circular No.- RW / NH- 34066/7/2003 and RW/NH- 33044/29/2015/S&R(R)- Dated 22nd November, 2016	Yes, Enclosed.	
7.2	Certificate from PD in the	Yes, Enclosed.	

For ArcelorMittal Nippon Steel India Private Limited

Authorised Signatory

	following format		
	(i) "It is certified that any other location of the Iron Ore Slurry Pipeline would be extremely difficult and unreasonable costly and the installation of Iron Ore Slurry Pipeline 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-lanning based on the feasibility report considering proposed structures 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-lanning".		
8	If NH section proposed to be taken up by NHAI on BOT basis- a clause is to be inserted in the agreement. "The permitted Highway on which Licensee has been granted the right of lay Pipeline, 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____ of Km____ of NH No-___ on Build, Operate and Transfer Basis] and therefore, the licensee shall honour the same."	NA	
9	Who will supervise the work of laying of Iron Ore Slurry Pipeline	D.S Varma (Head-HR & IR and Admin, Vizag Asset) ArcelorMittal Nippon Steel India Private Limited	
10	Who will ensure that the defects in road portion after laying of Iron Ore Slurry Pipeline are corrected and if not corrected then what	D.S Varma (Head-HR & IR and Admin, Vizag Asset) ArcelorMittal Nippon Steel India Private Limited	

For ArcelorMittal Nippon Steel India Private Limited

Authorised Signatory

ArcelorMittal Nippon Steel India Private Limited VSP AP

	action will be taken.		
11	Who will pay the claims for damages done / disruption in working of Concessionaire if asked by the Concessionaire	D.S Varma (Head-HR & IR and Admin, Vizag Asset) ArcelorMittal Nippon Steel India Private Limited	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed)	Yes Enclosed.	
13	If any previous approval is accorded for laying of underground Iron Ore Slurry Pipeline, then photocopy of register of records of permissions accorded as maintained by PD, then copy be enclosed		

For ArcelorMittal Nippon Steel India Private Limited

Authorised Signatory

ArcelorMittal Nippon Steel India Private Limited VSP AP

23/06/25
J.G.N.H