



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)

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



NHAI/13011/54/RO/OD/ 2361 /2025

08.10.2025

To

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

Sub: Singhara - Binjabahal section of NH-49: Permission for proposal of M/s Arcelor Mittal Nippon Steel India Ltd. for laying of 34-inch dia underground slurry pipeline along with 40mm dia power cable and OFC from Km. 368.020 to Km. 373.340 and 1 no crossing at Km. 372.488 in the state of Odisha - Reg.

Ref: PD, PIU- Keonjhar letter no. 1372 dated 02.04.2025

Sir,

Please find enclosed herewith proposal of M/s Arcelor Mittal Nippon Steel India Ltd. for laying of 34-inch dia underground slurry pipeline along with 40mm dia power cable and OFC from Km. 368.020 to Km. 373.340 and 1 no crossing at Km. 372.488 in the state of Odisha. The details are as under:

Sl. No.	Description	Chainage	Type of Pipe Dia in MM	Remarks
1	Along	Km. 368.020 to Km. 372.488 (RHS)	Steel Carrier pipe of 0.864m dia, 40mm dia power cable & OFC	Open Trenching/ HDD as per site requirement
2	Along	Km. 372.488 to Km. 373.340 (LHS)		Through HDD method
3	Crossing at	Km. 372.488		

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 Regional Officer, Odisha.

Yours Sincerely,

Abinash
08.10.25

(Abinash Behera)
Manager (Tech)



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NHAI/13011/54/RO/OD/2361/2025

08.10.2025

INVITATION OF PUBLIC COMMENTS

Sub: Singhara - Binjabahal section of NH-49: Permission for proposal of M/s Arcelor Mittal Nippon Steel India Ltd. for laying of 34-inch dia underground slurry pipeline along with 40mm dia power cable and OFC from Km. 368.020 to Km. 373.340 and 1 no crossing at Km. 372.488 in the state of Odisha - Reg.

The applicant, M/s Arcelor Mittal Nippon Steel India Ltd. has submitted the proposal for laying of 34-inch dia underground slurry pipeline along with 40mm dia power cable and OFC from Km. 368.020 to Km. 373.340 and 1 no crossing at Km. 372.488 in the state of Odisha. The details are as under:

Sl. No.	Description	Chainage	Type of Pipe Dia in MM	Remarks
1	Along	Km. 368.020 to Km. 372.488 (RHS)	Steel Carrier pipe of 0.864m dia, 40mm dia power cable & OFC	Open Trenching/ HDD as per site requirement
2	Along	Km. 372.488 to Km. 373.340 (LHS)		Through HDD method
3	Crossing at	Km. 372.488		

2. As per guidelines issued by MoRT&H 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 are 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 RO, Odisha.

Alkesh
08.10.25

Manager (Tech)
National Highways Authority of India,
Regional Office, Odisha
301-A, 3rd Floor, Pal Heights,
J/7, Jayadev Vihar, Bhubaneswar 751013

ArcelorMittal Nippon Steel India Private Limited

3-A, 3rd Floor, Fortune Towers, Chandrasekharpur, Bhubaneswar – 751 023, Odisha, India

Seeking Right of Way (ROW) permission for laying of 34-inch Dia underground Slurry pipeline along with 40 mm dia Power Cable & OFC communication cable. Along NH-49 from Road Ch. 368.020KM to Ch. 373.340 (Total Along 5.320km) and Across NH-49 at road Ch. 372.488KM coming under your jurisdiction in the state of Odisha.

CHECK LIST

Guidelines for Project Directors for processing the proposal for laying Slurry pipeline along with Power Cable and OFC Along National Highway - 49 from Road Ch. 368.020KM to Ch. 373.340 (Total Along 5.320km) and Across NH-49 at road Ch. 372.488KM coming under your jurisdiction in the state of Odisha.

Relevant Circulars :

1. Ministry circular No. NH-41 (58)/68 dated 31.01.1969
2. Ministry circular No. NH-3/P/66/76 dated 18/19 .11.1976
3. Ministry circular No. RW/NH/-3/P/66/76 dated 11.05.1982
4. Ministry circular No. RW/NH-11037/1/66-DOI (2) dated 28.07.1993
5. Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.01.1995
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 17.09.2003
8. Ministry Circular No. R/W/NH-33044/25/2015/S&R° dtd 22.11.16

Checklist for approval for laying of Slurry pipeline With OFC& Power Cable on NH ROW Land

SR.No.	Item	Information/Status	Remarks
1	General Information	ArcelorMittal Nippon Steel India Private Limited Intends to Lay 34inch diameter underground Slurry pipeline along with 40 mm dia Power Cable & OFC communication cable From Dabuna Beneficial Plant to Ludurupada Village in Odisha State Along National Highway - 49 from Road Ch. 368.020KM to Ch. 373.340KM (Total Along 5.320km) and Across NH-49 at road Ch. 372.488KM coming under your jurisdiction in the state of Odisha. The pipeline will be laid at a minimum depth of 1.2 Mtr. Below the nature ground level, by Open Trench Method in General & Horizontal Directional Drilling (HDD) method at specific Location like River, Bridge, Canal, Road, Railway...etc. & Places where locational Constraint Exist	
1.1	Name and address of the Applicant/Agency	ArcelorMittal Nippon Steel India Private Limited, 3-A, 3 rd Floor, Fortune Towers, Chandrasekharpur, Bhubaneswar – 751	

ArcelorMittal Nippon Steel India Private Limited

Authorized Signatory



Site Engineer
D.M. (Tech.)
NHAI-PIU, Keonjhar

PROJECT DIRECTOR
Project Implementation Unit
National Highways Authority of India
KEONJHAR

		023, Odisha, India	
1.2	National Highway Number	NH-49	
1.3	State	Odisha	
1.4	Location	Along NH-49	
1.5	(Chainage in km)	Along National Highway -49 from from Road Ch. 368.020KM to Ch. 373.340 (Total Along 5.320km) and Across NH-49 at road Ch. 372.488KM	
1.6	Length in Meters	5.320m	
1.7	Width of available ROW	45m	
	(a) Left side from center line towards increasing chainage/km direction	22.5 mtr	
	(b) Right side from centre line towards increasing chainage/km direction	22.5 mtr	
1.8	Proposal to lay underground pipes/electrical/FOC Cables	Laying of 34 inch Dia underground Slurry pipeline along with 40 mm dia Power Cable & OFC communication cable	
	(a) Left side from center line towards increasing chainage/km direction	Beyond 21.300 from CL as per availability. • Left Side from Chainage From 372.488Km to Ch.: 373.340Km .	
	(i) Right side from centre line towards increasing chainage/km direction	Beyond 21.300m from CL as per availability. • Right Side from Chainage From Ch. 368.020KM to Ch. 372.488KM.	
1.9	Proposal to acquire land	NA	
	(a) Left side from center line	NO	
	(b) Right side from center 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 cable.	NA	
1.11	Details of already laid services, if any along the proposed route	Yes , existing laid services considered in the cross sectional drawings & documents attached	
1.12	Number of existing lanes (2/4/6/8 lanes).	4 line	
1.13	Proposed number of lanes (2 lane with paved shoulders/4/6/8 lanes).	NA	
1.14	Service road existing or not		

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Singh
Keonjhar
N.H- 49

Subhasis
Site Engineer
NHAI, PIU - Keonjhar.
D.M.(Tech.)
NHAI-PIU, Keonjhar

Raj

PROJECT DIRECTOR
Project Implementation Unit
National Highways Authority of India
KEONJHAR

	If yes then which side	NA	
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.15	Proposed service road	NA	
	(a) Left side from center line	NA	
	(c) Right side from center line		
1.16	Whether proposal to lay the Slurry 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 above.	Yes, Agreed	
	(a) Carrying of Iron and Slurry pipeline on Bridges shall not be permitted as fumes/gases pipe can accelerate the process of corrosion or may be cause explosion, thus being much more injurious than leakage of water	Yes, agreed for not carrying iron Ore Slurry pipelines on Bridges	
	(b) Carrying of Slurry and Iron 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 finalised, 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 the final arrangement enough free space around the superstructure of the bridge remains available for the inspection and	Yes, agreed for not carrying iron Ore pipelines on Bridges but over independent superstructure if required with permission of Authority	

ArcelorMittal Nippon Steel India Private Limited

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 Subhasis
 Site Engineer
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 D.M. (Tech.)
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 PROJECT DIRECTOR
 Project Implementation Unit
 National Highways Authority of India
 KEONJHAR

	repairs etc.		
	(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	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 the concurrence of the Ministry's Project Chief Engineers only	Yes, agreed to comply	
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 the purpose at the expenses of the agency owning the line	Yes, Crossing Involved. Carrier pipeline will be laid in a steel casing pipe of 40"/42" dia at our cost : 1. 372.488Km (from Right to Left).	
	(a) Whether existing drainage structures are allowed to carry petroleum pipeline	NA	
	(b) It is on a line normal to NH	NA	
	(c) What is the distance of crossing the Slurry pipelines from the existing structures. Crossings shall not be too near the existing structures on the National Highway, minimum distance being 15 meter.	NA	
	(d) The casing pipe (or conduit pipe in the case of electric cable) carrying the petroleum line shall be of steel, cast iron, or	Carrier pipeline will be laid in a steel casing pipe of 40"/42" dia.	

ArcelorMittal Nippon Steel India Private Limited

[Signature]
Authorised Signatory



[Signature]
Sub Engineer
(SE)

Site Engineer
NHAI, PIU - Keonjhar.

[Signature]
D.M. (Tech.)

NHAI-PIU, Keonjhar

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KEONJHAR

	reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable. Mention type of casing.		
	(e) Ends of 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 in the fills.	Yes, agreed to comply	
	(g) The top of the casing/conduit pipe should be at least 1.2 meters below the surface of the road subject to being at least 0.3 m below the drain inverts.	Yes, agreed to comply	
	(h) Crossing shall be boring method (HDD) specially where the existing roadpavement is of cement concrete ordense bituminous concrete type.	Yes, Crossing shall be done Horizontal boring Method /Crossing shall be done Horizontal Directional Drilling (HDD) / Cased Crossing	
	(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 to be enclosed with the proposal	Yes, Drawing and documents enclosed	
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.2m deep *0.3m wide)	Yes, Drawing and documents enclosed	
	i. Should not be greater than 60cm wider than the outer diameter of the pipe	Yes, agreed to comply	

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	ii. Located as close to the extreme edge of the right of way as possible but not less than 15m from the center lines of the nearest carriageway	Yes, agreed to comply	
	iii. Shall not be permitted to run along the National Highways when the road formation is situated in double cutting. Nor shall be laid over the existing culverts and bridges.	Yes, agreed to comply	
	iv. These should be so laid that their top is least 0.6m 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 pit and location of cable for Cased Crossing method	Yes, Attached	
2.3	Strip plan/ route plan showing pipeline, chainage, width of ROW, distance of proposed, pipeline from the edge of ROW, important milestone, intersections, cross drainage works etc.	Yes, submitted showing all desired details in the drawings	
2.4	Methodology for laying of the petroleum / Slurry pipe line.	Crossing shall be done Horizontal boring Method / Crossing shall be done Horizontal Directional Drilling (HDD) / Cased Crossing	
2.4.1	Open trenching method. (may be allowed in the utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type. If yes, what is the methodology of refilling of trench.	Yes, open trenching allowed as per submitted methodology at specific locations as per available ROW & further compliance by AM/NS as per MoRTH/IRC guidelines, such mentioned below	
	(a) The trench width should be at least 30cm, but not more than 60 cm wider than the outer diameter of the pipe.	Yes, agreed to comply	

ArcelorMittal Nippon Steel India Private Limited

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Suryakanta Mishra

Site Engineer
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	(b) For filling of the trench, bedding shall be at a depth of not less than 30cm. it shall consist of granular material, free of lumps, clods and cobbles and graded to yield a firm surface without a sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material.	Yes, agreed to comply	
	(c) The backfill shall be completed in two stages (i) side fill to level of the top of the pipe and (ii) overfill to the bottom of the road crust.	Yes, agreed to comply	
	(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 has been removed. Consolidation by saturation or 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 barricades, and red lights during night hours.	NA	
	(g) If required, a diversion shall be constructed at the expense of agency owing the utility line.	NA	

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2.4.2	Horizontal directional drilling (HDD) method.	Yes, HDD / Horizontal boring Method allowed as per submitted methodology at specific locations as per available ROW & further compliance by AM/NS as per MoRTH/IRC guidelines	
2.4.3	Methodology for laying of Iron Ore Slurry pipeline through CD works	At all CD work locations HDD method will be adopted	
	(a) On approaches, the watermain/cables shall be carried along a line as close to the edge of the right-of-way as possible up to a distance of 30m from the bridge and subject to all other stipulations contained in this Ministry's guidelines issued with letter No. H1/P/66/76 dated 19.11.1976	Yes, agreed to comply	
3	Draft license Agreement is signed by two witnesses	Yes, Enclosed	
4	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 excavation 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, ArcelorMittal Nippon Steel India Private Limited agreed for submission of Performance BG as per latest MORTH / NHAI Guidelines. We will pay Bank guarantee as intimated by NHAI	
4.1	Performance BG as per above is 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	Affidavit/ Undertaking from the Applicant for the following is to be furnished		

ArcelorMittal Nippon Steel India Private Limited

Authorised Signatory

Site Engineer

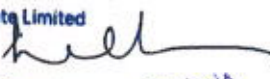
NHAI, PIU - Keonjhar.

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PROJECT DIRECTOR
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5.1	Undertaking for not to damage any other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	Yes, agreed to comply & undertaking Enclosed	
5.2	Undertaking for Renewal of bank guarantee as and when asked by MoRTH/NHAI.	Yes, agreed to comply & undertaking Enclosed	
5.3	Undertaking for confirming all standard condition of Ministry circulars and NHAI's guidelines.	Yes, agreed to comply & undertaking Enclosed	
5.4	Shifting of Iron Ore Slurry pipeline as and when required by NHAI at our own Cost	Yes, agreed to comply & undertaking Enclosed	
5.5	Shifting due to 6 lanning/widening of NH	Yes, agreed to comply & undertaking Enclosed	
5.6	Indemnity against all damages and claims clause (24)	Yes, agreed to comply & undertaking Enclosed	
5.7	Traffic movement during laying of Iron ore slurry pipeline to be managed by the applicant	Yes, agreed to comply & undertaking Enclosed	
5.8	if any claim is raised by the concessionaire then the same has to be paid by the applicant	Yes, agreed to comply & 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 showing Iron Ore Slurry pipeline located in the National Highway right-of-way	Yes, agreed to comply & 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 Iron ore slurry pipeline will be done by	Yes, agreed to comply & undertaking Enclosed	

ArceIorMittal Nippon Steel India Private Limited

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 Subhasis (S.E.)
 Site Engineer
 NHAI, PIU - Keonjhar.

D.M. (Tech.)
 NHAI-PIU, Keonjhar

PROJECT DIRECTOR
 Project Implementation Unit
 National Highways Authority of India
 KEONJHAR

	the agency owning the line		
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 & undertaking Enclosed	
5.12	Certificate from the applicant in the following format (i) Laying of Gas pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic. (ii) "We do undertake that I/we will relocate service road/approach road/utilities at my/our own cost notwithstanding the permission granted within such time as will be stipulated by NHAI" for future six-laning or any other development."	Yes, agreed to comply & undertaking Enclosed	
6	Who will sign the agreement on behalf of petroleum product pipe line agency.	TS Shanbhogue Executive Director-Odisha Project ts.shanbhogue@amns.in ArcelorMittal Nippon Steel India Private Limited , 3-a, 3 rd Floor, Fortune Towers, Chandrasekharapur, Bhubaneswar – 751 023, Odisha, India	
	Power of Attorney to sign the agreement is available or not	Available	
7	The project Director will submit the following Certificates		
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-3/P/66/76 dated 18/19.11.1976, Ministry Circular No. RW/NH-3/P/66/76 dated 11.5.1982, Ministry 7A. Circular No.	Yes	

ArcelorMittal Nippon Steel India Private Limited

TS
h
Authorised Signatory
TS
Site Engineer
N.H- 49
TS
TS

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PROJECT DIRECTOR
Project Implementation Unit
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National Highways Authority of India
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	RW/NH-11037/1/86-DOI (2) dated 28.7.1993, Ministry CircularNo. 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) dated17.9.2003		
7.2	Certificate from PD in the following format (1)"It is certified that any otherlocation of the Iron Ore Slurry pipelineswould be extremely difficult and unreasonable costly and the installation of Iron Ore Slurry withinROW will not adversely affect thedesign, stability & traffic safety of the highway nor the likely future improvement such as widening of thecarriageway, easing of curve etc. " (2) for six-lanning (a) where feasibility is available" I do certify that there will be no hindranceto proposed six Lanning based on the feasibility report considering proposedstructures at the said location " (b) incase feasibility report is not available" I do certify that sufficient ROW isavailable at site for accommodating proposed six-lanning.	Yes	
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 License has been granted the right to lay Gas Pipeline/duct has also been granted as a right of way to the concessionaire under the concession agreement for up-	APPLICABLE	

ArcelorMittal Nippon Steel India Private Limited

[Signature]
 Authorised Signatory
 Site Engineer
 NHAI, PIU - Keonjhar

[Signature]
 D.M. (Tech.)
 NHAI-PIU, Keonjhar

[Signature]
 PROJECT DIRECTOR
 Project Implementation Unit
 National Highways Authority of India
 KEONJHAR

	gradation of [-----section from Km-----to km----- -----of NH no.----- - on Build: operate and transfer basis] and therefore, the license shall honour the same."		
9	Who will supervise the work of laying of Iron and Slurry pipe line	ArcelorMittal Nippon Steel India Private Limited, 3-a, 3 rd Floor, Fortune Towers, Chandrasekharapur, Bhubaneswar – 751023, Odisha, India	
10	Who will ensure that the defects in road portion after laying of Gas pipe line are corrected and if not corrected then what action will be taken.		
	(a) On behalf of the applicant	Executive Director-Odisha Project ArcelorMittal Nippon Steel India Private Limited	
	(b) On behalf of NHAI	Project Director- NHAI/Consultant	
11	Who will pay the claims for damage done/disruption in working of concessionaire if asked by the concessionaire		
	On behalf of the applicant	Executive Director-Odisha Project ArcelorMittal Nippon Steel India Private Limited	
12	A certificate from PD that he will enter the proposed permission in the register of record of the permission in the prescribed proforma (copy enclosed)	Yes	
13	If any various approval is accorded for laying of underground Iron ore pipe line then Photocopy of register of records of permission accorded as maintained by PD be enclosed.	NA	

ArcelorMittal Nippon Steel India Private Limited

Authorised Signatory



Site Engineer
NHAI, PIU - Keonjhar
D.M. (Tech.)
NHAI-PIU, Keonjhar

PROJECT DIRECTOR
Project Implementation Unit
National Highways Authority of India
KEONJHAR



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India

(Ministry of Road Transport & Highways, Govt. of India)

परियोजना कार्यान्वयन इकाई, केन्दुझर / Project Implementation Unit, Keonjhar
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NHAI/11015/61/RO(Misc. Let.)/2019/PIU/KJR/ 1372

Dated :13.08.2025

To

The Regional Officer,
NHAI, Regional Office, Odisha,
3rd Floor, Pal heights, Plot No-J/7,
Jayadev Vihar, Bhubaneswer-751013, Odisha

Sub: Rehabilitation & Upgradation to four laning of Singhara to Binjabahal section from Ch. Km.311.000 to Km.414.000 (Design Chainage from Km.310.806 to Km.414.982) of NH-6 (New NH-49) in the State of Odisha under Hybrid Annuity Mode -Dabuna to Paradeep 34inch Slurry Pipeline Project of M/s ArcelorMittal Nippon Steel India Limited: Request for granting permission for laying of 34-inch Dia underground Slurry pipeline along with 40 mm dia Power Cable & OFC communication cable. Along NH-49 from Road Ch. 368.020 KM to Ch. 373.340 KM (Total Along 5.320km) and Across NH-49 at road Ch. 372.488 KM coming under your jurisdiction in the state of Odisha.-Reg.

Ref: 1.M/s. Arcelor Mittal Nippon Steel India Limited letter no. 04 dated 11.06.2025
2. This office letter no. 1076 dated 18.06.2025
3.IE letter no. 278 dated 21.07.2025

Sir,

With reference to the above cited subject and letter under reference 1st cited, wherein the M/s. Arcelor Mittal Nippon Steel India Limited has submitted an application for Permission for laying of 34-inch Dia underground Slurry pipeline along with 40 mm dia Power Cable & OFC communication cable. Along NH-49 from Road Ch. 368.020 KM to Ch. 373.340 KM (Total Along 5.320km) and Across NH-49 at road Ch. 372.488 KM coming under utility Corridor of NHAI.

2. Further, the same has been forwarded to the Independent Engineer & Concessionaire to conduct a preliminary site visit to ascertain the NH-ROW affected due to the aforementioned proposal along the subject project corridor and check the feasibility as per the Ministry Circular No. RW/NH-37011/52/2020/BP&SP dated 15.01.2021 and RW/NH- 33044/29//2015/S&R(R) Dated 22.11.2016 along with a request to verify the Checklist, Drawings, Methodology, Undertaking Certificate and other requisite documentation & details submitted by the agency.

3. Accordingly, a Site Inspection was conducted by the Independent Engineer & Concessionaire along with the representative of applicant along the project stretch to examine the proposal as per guidelines. After necessary examination, the IE vide letter No. 278 dated 21.07.2025 has furnished their recommendation.

4. Further, the proposal has been scrutinized in light of the extant guidelines for "Accommodation of Public & Industrial Utilities along and across National Highways" issued vide Ministry Circular RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 and Ministry Circulars RW/NH-37011/52/2020/BP&SP dated 15.01.2021 and the proposal has been found to be in order. The details of the Proposal and comments are as under.

(i) That the applicant i.e. M/s. Arcelor Mittal Nippon Steel India Limited has applied for access

permission for laying of 34-inch dia underground slurry pipeline along with 40 mm dia power cable and OFC communication cable along NH-49 from road Ch. 368.020 KM to Ch. 373.340 KM (Total along 5.320km).

- (ii) The applicant has proposed NH crossing at one location i.e. at Ch. 372.488 across NH-49.
- (iii) Total width of corridor required for laying of proposed pipeline shall be 1.2m within ROW.

5. In view of the above, this proposal for laying of 34-inch Dia underground Slurry pipeline along with 40 mm dia Power Cable & OFC communication cable. Along NH-49 from Road Ch. 368.020 KM to Ch. 373.340 KM (Total Along 5.320km) and Across NH-49 at road Ch. 372.488 KM is recommended herewith for approval of the competent authority.

Yours faithfully,



(Mahesh Gami)
Project Director

Encl: 2 set of proposals.

- Copy: 1. The Authority Engineer, M/s. Sunnily Consultant Pvt. Ltd., Keonjhar (NH-49) for kind information.
2. M/s. Arcelor Mittal Nippon Steel India Ltd. for kind information.

**Sunnily Consultants Pvt. Ltd.**

IE Services during O&M Period for Four laning of Singhara to Binjabahal section from Ch. Km 311.000 to Km 414.000 in Odisha

Ref. No.: Bloom/MSV/SCPL/IE-O&M/S-B/NHAI/278-01

Date: 21.07.2025

To

The Project Director,
National Highway Authority of India,
Plot No.19/419, Badadara,
Mandua, Keonjhar-758001, Odisha
Email: pdnhai.kjr@gmail.com

Project: Independent Engineer Services during Operation & Maintenance Period for Four laning of Singhara to Binjabahal section from Ch. Km.311.000 to Km.414.000 (Design Chainage from Km.310.806 to Km.414.982) of NH-6 (New NH-49) in the State of Odisha under Hybrid Annuity Mode.

Subject: Dubuna to paradeep 34inch slurry pipeline project of M/s – Arcelor Mittal Nippon Steel India Private Limited: Request for granting permission for laying of 34-inch dia underground slurry pipeline along with 40 mm dia power cable and OFC communication cable along NH-49 from road Ch. 368.020 KM to Ch. 373.340 KM (Total along 5.320km) and across NH-49 at road Ch. 372.488 KM coming under your jurisdiction in the State of Odisha-Reg.

Reference: Your office letter no. NHAI/NH-215/PKR/2012/PIU/KJR/1076, Dated 18.06.2025

Respected Sir,

Apropos to the cited subject and letter under reference, site inspection was conducted on 21-07-2025. The said proposal is examined in accordance with the guidelines for accommodation of public and industrial utility services along and across National Highways issued by MORT&H vide No. RW/NH-I-33044/20/2015/C&R(R) dated 22.01.2016 and RW/NH-37011/52/2020-BP&SP dated 15.01.2021. The observations and comments of IE are as below:

- That the applicant i.e. M/s. Arcelor Mittal Nippon Steel India Limited has applied for access permission for laying of 34-inch dia underground slurry pipeline along with 40 mm dia power cable and OFC communication cable along NH-49 from road Ch. 368.020 KM to Ch. 373.340 KM (Total along 5.320km).
- The applicant has prayed for NH crossing at one location i.e. at Ch. 372.488 across NH-49.
- Total width of corridor required for laying of proposed pipeline shall be 1.2m within ROW.
- Pile laying is proposed by applicant is of Open trench and trenchless HDD method respectively.
- HDD method shall be adopted for Pipe laying at all NH crossing locations according to the proposal.
- It is pertinent to note that NH-49 is under Operation and maintenance stage.
- Applicant's submitted methodology for Open trench pipe laying and trenchless (HDD method) pipe laying shall strictly be followed during execution.
- Underground public utilities might be existing within the stretch of NH- 49. Hence, the applicant needs to be utmost careful while laying pipeline.

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- During pipe laying if any public or private property is damaged by the applicant, then the applicant shall be repair/restore/compensate such damage at the cost of the applicant.
- Open trench pipe laying shall strictly be avoided where there is ROW constraint. In Locations, where ROW utility corridor is restricted / not available, there HDD method of trenchless pipe laying shall be followed.
- In case any asset of NHAI is damaged by the applicant in any form, then it is to be restored by the applicant only with NHAI specification and standards.
- During construction time, IRC SP 55 shall be followed strictly by the applicant.
- In all cases, the applicant shall ensure that maintenance of utility services shall not interfere with the same and smooth flow of traffic.
- While laying pipeline by the applicant, at least one lane of main carriageway shall be kept open to traffic all the time with all safety measures as per IRC guidelines.
- Applicant has submitted the requisite drawings, documents, checklist, undertakings, agreement copies as per ministry guidelines.
- During execution of this proposal, if avenue plantation done at site will be damaged, then the applicant to restore similar number of plants at suitable locations within the stretch of NH-49.
- As connecting approach roads are under the jurisdiction of different stakeholders of Govt. of Odisha, the applicant needs to fetch permission for pipe laying from such departments.
- Existing MCW shall not be damaged during execution of work so far as possible.
- If any religious structure affected during pipe laying, the applicant needs to restore the same at his own cost and risk.
- If the applicant fetches any electrical pole during pipe laying, then the same poles shall be shifted at the risk and cost of the applicant after seeking due permission of respective stakeholder.
- The proposed pipeline shall be going through forest area. Hence, the applicant may be required to seek forest department clearance.
- Near water bodies, HDD method of boring is suggested.

In the view of the above, the proposal is understood to be technically feasible. Hence, his proposal subjected as "Request for granting permission for laying of 34-inch dia underground slurry pipeline along with 40 mm dia power cable and OFC communication cable along NH-49 from road Ch. 368.020 KM to Ch. 373.340 KM (Total along 5.320km) and across NH-49 at road Ch. 372.488 KM coming under your jurisdiction in the State of Odisha" is hereby recommended for your consideration and further necessary actions please.

Thanking you & assuring you of our best professional services at all time.

With Best Regards,

For M/s. BLOOM Companies LLC in JV with
M/s. MSV International Inc in association with M/s Sunnily Consultant Pvt. Ltd


Team Leader
NH-49 (Singhara-Binjabahal)