



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 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, ronhaiodisha@gmail.com, मोबाइल /Web. : www.nhai.gov.in
NHAI/13011/54/RO/OD/ 976 /2025



05.05.2025

To

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

Sub: Keonjhar - Duburi section of NH-720: 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 along the NH-720 from Km. 0.000 to Km. 88.000 and 4 nos crossings at Km. 46.475, Km. 48.306, Km. 51.412 & Km. 52.428 in the state of Odisha - Reg.

Ref: PD, PIU- Keonjhar letter No. 536 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 along the NH-720 from Km. 0.000 to Km. 88.000 and 4 nos crossings at Km. 46.475, Km. 48.306, Km. 51.412 & Km. 52.428. The details are as under:

Sl. No.	Description	Chainage	Type of Pipe Dia in MM	Remarks
1	Along	Km. 0.000 to Km. 46.475 (RHS)	Steel carrier pipe of 0.864m dia, 40mm dia power cable & OFC	ROW varies from 10m to 45m and the applicant proposed to lay the pipeline at the extreme edge of ROW within 1.5m width
2	Crossing at	Km. 46.475 through HDD method		
3	Along	Km. 46.475 to Km. 48.306 (LHS)		
4	Crossing at	Km. 48.306 through HDD method		
5	Along	Km. 48.306 to Km. 51.412 (RHS)		
6	Crossing at	Km. 51.412 through HDD method		
7	Crossing at	Km. 52.428 through HDD method		
8	Along	Km. 52.428 to Km. 89.051 (RHS)		

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
05.05.25

(Abinash Behera)
Manager (Tech)



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भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

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05.05.2025

INVITATION OF PUBLIC COMMENTS

Sub: Keonjhar - Duburi section of NH-720: 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 along the NH-720 from Km. 0.000 to Km. 88.000 and 4 nos crossings at Km. 46.475, Km. 48.306, Km. 51.412 & Km. 52.428 in the state of Odisha - Reg.

M/s Arcelor Mittal Nippon Steel India Ltd. has submitted a proposal of permission for laying of 34-inch dia underground slurry pipeline along with 40mm dia power cable and OFC along the NH-720 from Km. 0.000 to Km. 88.000 and 4 nos crossings at Km. 46.475, Km. 48.306, Km. 51.412 & Km. 52.428. The details are as under:

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5	Along	Km. 48.306 to Km. 51.412 (RHS)		
6	Crossing at	Km. 51.412 through HDD method		
7	Crossing at	Km. 52.428 through HDD method		
8	Along	Km. 52.428 to Km. 89.051 (RHS)		

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.

[Signature]
05.05.25

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 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 & OFCC communication cable Along NH-720 from Ch. 0.00KM to Ch. 51.412KM & From Ch.: 52.428KM to Ch.: 88.000KM (Total length 86.984KM) and Across NH-720 at Ch.: 46.475KM, 48.306KM, 51.412KM and 52.428KM 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 NH-720 from Ch. 0.00KM to Ch. 51.412KM & From Ch.: 52.428KM to Ch.: 88.000KM (Total length 86.984KM) and Across NH-720 at Ch.: 46.475KM, 48.306KM, 51.412KM and 52.428KM	
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. Rw/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 Limited Intends to Lay 34inch diameter underground Slurry pipeline along with 40 mm dia Power Cable & OFCC communication cable From Dabuna Beneficial Plant to Paradeep Pellet Plant In Odisha State Along NH-720 from Ch. 0.00KM to Ch. 51.412KM & From Ch.: 52.428KM to Ch.: 88.000KM (Total length 86.984KM) and Across NH-720 at Ch.: 46.475KM, 48.306KM, 51.412KM and 52.428KM. 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 Limited, 3-A, 3 rd Floor, Fortune Towers, Chandrasekharpur, Bhubaneswar – 751 023, Odisha, India	



Handwritten signature and date: 15/1/25



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1.2	National Highway Number	NH-720	
1.3	State	Odisha	
1.4	Location	Along NH-720	
1.5	(Chainage in km)	Along NH-720 from Ch. 0.00Km to Ch. 51.412Km & From Ch.: 52.428Km to Ch.: 88.00Km (Total length 86.984Km) and Across NH-720 at Ch.: 46.475Km, 48.306Km, 51.412Km and 52.428Km.	
1.6	Length in Meters	86983.96m	
1.7	Width of available ROW	30m (in general) <i>varies from 15m to 45m</i> <i>Q</i>	
	(a) Left side from center line towards increasing chainage/km direction	<i>15 mtr</i> <i>varies from 7.5m to 22.5m</i> <i>Q</i>	
	(b) Right side from centre line towards increasing chainage/km direction	<i>15 mtr</i> <i>varies from 7.5m to 22.5m</i> <i>Q</i>	
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 & OFCC communication cable	
	(a) Left side from center line towards increasing chainage/km direction	Beyond 13.5m from CL as per availability. • Left Side from Chainage 46.475Km to 48.306Km.	
	(i) Right side from centre line towards increasing chainage/km direction	Beyond 13.5m from CL as per availability. • Right Side from Chainage 0.0km to 46.475km. • Right Side From Chainage 48.306Km to 51.412Km. • Right Side from Chainage 52.428Km to 88.000Km.	
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).	<i>NA</i> <i>2 - lane - 68 Km (Approx)</i> <i>4 - lane - 20 Km (Approx)</i> <i>Q</i>	
1.13	Proposed number of lanes (2 lane with paved	<i>NA</i> <i>5m lane on part length may be proposed at the time of finalization of</i> <i>DPR. Tender for DPR Consultant is yet to be finalized.</i> <i>Q</i>	



	shoulders/4/6/8 lanes).		
1.14	Service road existing or not		
	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	Below the service road using RCC Duct of 3.5 meter wide and at 1.2 meter minimum depth from FRL of service road <i>There is no existing Service Road.</i>	
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 Ore 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 water 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	Yes, agreed for not carrying iron Ore pipelines on Bridges but over independent superstructure if required with permission of Authority	



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	bridge remains available for the inspection and 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 owing the line	Yes, Crossing Involved. Carrier pipeline will be laid in a steel casing pipe of 40"/42" dia at our cost : 1. 46+475.34Km (from Right to Left). 2. 48+305.67Km (from Left to Right) 3. 51+412.03Km (from Right to Forest) 4. 52+428.07Km (from Forest to Right)	
	(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	



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	(d) The casing pipe(or conduit pipe in the case of electric cable) carrying the petroleum 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.Mention type of casing.	Carrier pipeline will be laid in a steel casing pipe of 40"/42"dia.	
	(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	
1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.2m	Yes, Drawing and documents enclosed	



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	deep *0.3m wide)		
✓	i. Should not be greater than 60cm 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 15m from the center lines of the nearest carriageway	Yes, agreed to comply. However, the distance from C/L will be less than 15m where the Row is less than 30m or so. Q	
✓	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	Yes, agreed to comply	



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	wider than the outer diameter of the pipe.		
	(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	NA	



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	shall be constructed at the expense of agency owing the utility line.		
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 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	Yes, will be obtained after submission of	



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	been obtained as per NHAI guidelines	BG	
5	Affidavit/ Undertaking from the Applicant for the following is to be furnished		
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 the agency owning the line	Yes, agreed to comply & undertaking Enclosed	
5.11	If the NHAI considers it	Yes, agreed to comply & undertaking	



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	necessary infuture to move the utility line for anywork of improvement or repairs to the road ,it willbe carried out as desiredby the NHAI at the cost of the agency owning the utility line within areasonable time (not exceeding 60days) of the intimation given.	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-lanning 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 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 allstandard condition issued vide MinistryCircular No. NH-41(58)/(68) dated31.1.1969, 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 , Ministry7A. Circular No.	Yes/No	



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Project Implementation
Highways Authority

	RW/NH-11037/1/86-DOI (2) dated 28.7.1993, 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 17.9.2003		
7.2	<p>Certificate from PD in the following format</p> <p>(1) "It is certified that any other location of the Iron Ore Slurry pipelines would be extremely difficult and unreasonable costly and the installation of Iron Ore Slurry 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. "</p> <p>(2) for six-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 "</p> <p>(b) in case feasibility report is not available" I do certify that sufficient ROW is available at site for accommodating proposed six-lanning.</p>	<p>Yes/No <u>Remarks :</u></p> <p>The proposal for DPR of 6-lanning with service road from Barbil to Chandil is expected, for which bids for engaging DPR Consultant is under finalization at NHAI HQ. At this stage it can not be ascertained that the laying of pipeline will affect the future development or not. On the request of the applicant that if the newly laid pipeline will infringe the proposed development in future, same shall be shifted by the applicant within 60 days of the notice and its risk and cost. Undertaking / Affidavit in this regard has been obtained.</p> <p style="text-align: right;">Q</p>	
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-gradation of [-----]	NOT APPLICABLE	



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	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 Gas pipe line		
	(a) On behalf of the Applicant	ArcelorMittal Nippon Steel India Limited , 3-a, 3 rd Floor, Fortune Towers, Chandrasekharpur, Bhubaneswar – 751 023, Odisha, India	
	(b) On behalf of the MoRTH/NHAI	Project Director- NHAI/Consultant (18) <i>g</i>	
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	Head-Brownfield Projects, ArcelorMittal Nippon Steel India Limited	
	(b) On behalf of NHAI	Project Director- NHAI/Consultant (18) <i>g</i>	
11	Who will pay the claims for damage done/disruption in working of concessionaire if asked by the concessionaire		
	On behalf of the applicant	Head-Brownfield Projects, ArcelorMittal Nippon Steel India 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/No <i>✓</i>	
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.	Yes/No <i>✓</i>	



a
Manager (Tech.)
NHAI, PIU
Keonjhar

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PROJECT DIRECTOR
Project Implementation Unit
National Highways Authority of India
KEONJHAR