



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India
(Ministry of Road Transport & Highways)

क्षेत्रीय कार्यालय, ओडिशा / Regional Office, Odisha

301 - ए, तीसरी मंजिल, पाल हाइट्स, 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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NHAI/13011/54/RO/OD/ 1367/2021

19.05.2021

To

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

Sub: Four laning of Panikoili-Rimuli section of NH-215 from Km.0.000 to Km.163.000 (Design Chainage Km0+000 to Km166+173) in the State of Odisha - **NOC proposal for ROW access permission for laying of 1 no. Iron ore slurry pipeline of Steel of dia 350mm for Iron ore transportation to Pallet plant at Kalinganagar, Jajpur from Ch.Km.116+000 at Tulasichoura to Ch.Km.166+173 (LHS) at Rimuli with total as 50.173Km within the Utility Corridor along the road of NH-215 in Keonjhar District of Odisha State as sought by the Authorised Signatory, M/s. Brahmani River Pellets Limited, Janpath, Bhubaneswar, Odisha- reg**

Sir,

Please find enclosed herewith a proposal of M/s Brahmani River Pellets Limited regarding permission for laying of 1 no. Iron ore slurry pipeline of Steel of dia 350mm for Iron ore transportation to Pallet plant at Kalinganagar, Jajpur from Ch.Km.116+000 at Tulasichoura to Ch.Km.166+173 (LHS) at Rimuli with total as 50.173 Km within the Utility Corridor along the road of NH-215. The details are as under:

Sl. No.	Chainage		Side	Length (m)	Remarks
	From	To			
1.	116+000	166+173	LHS	50173	Laying of 350mm dia iron ore slurry pipeline

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,


(D.K. Patra)
Manager (Tech)



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

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NHAI/13011/54/RO/OD/ 1366 /2021

19.05.2021

INVITATION OF PUBLIC COMMENTS

Sub: Four laning of Panikoili-Rimuli section of NH-215 from Km.0.000 to Km.163.000 (Design Chainage Km0+000 to Km166+173) in the State of Odisha - NOC proposal for ROW access permission for laying of 1 no. Iron ore slurry pipeline of Steel of dia 350mm for Iron ore transportation to Pallet plant at Kalinganagar, Jajpur from Ch.Km.116+000 at Tulasichoura to Ch.Km.166+173 (LHS) at Rimuli with total as 50.173Km within the Utility Corridor along the road of NH-215 in Keonjhar District of Odisha State as sought by the Authorised Signatory, M/s. Brahmani River Pellets Limited, Janpath, Bhubaneswar, Odisha- reg

M/s Brahmani River Pellets Limited has submitted a proposal permission laying of 1 no. Iron ore slurry pipeline of Steel of dia 350mm for Iron ore transportation to Pallet plant at Kalinganagar, Jajpur from Ch.Km.116+000 at Tulasichoura to Ch.Km.166+173 (LHS) at Rimuli with total as 50.173 Km within the Utility Corridor along the road of NH-215. The details are as under:

Sl. No.	Chainage		Side	Length (m)	Remarks
	From	To			
1.	116+000	166+173	LHS	50173	Laying of 350mm dia iron ore slurry pipeline

- 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).
- In view of the above, the comments of public, if any, on the above mentioned proposal is invited on below mentioned address:

The Regional Officer,
National Highways Authority of India,
Regional Office, Odisha
301-A, 3rd Floor, Pal Heights,
J/7, Jayadev Vihar, Bhubaneswar 751013, Odisha
e-mail : roodisha@nhai.org

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

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 Iron Ore Slurry Pipe Line in The Land Across National Highway 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.22nd November 2016
9. Ministry Circular No. RW/NH-37011/52/2020-BP&SP Dated 15th January 2021

Check list for getting approval for laying of Iron Ore Slurry supply pipe line on NH land


S.NO	ITEM	INFORMATION/STATUS	REMARKS
1	General Information	Seeking permission for Laying of Iron Ore Slurry Pipe Line of 350mm Dia on NHAI ROW Utility Corridor from Km 116 To Km 166.173 From Keonjhar By-Pass to Rimuli on NH 215 (New NH-20) LHS by open trench method in general and by HDD method at specific locations like River, Bridge, Canal, Road, Railways and where ROW location constraint exists.	
1.1	Name And Address Of The Applicant	Vice-President (HR & Corp. Affairs) Brahmani River Pellets Limited 4 th Floor, IPICOL House, Janapath Bhubaneswar, Odisha	
1.2	National Highway Number	NH -215(New NH - 20)	
1.3	STATE	ODISHA	
1.4	Location	Keonjhar By-Pass to Rimuli	
1.5	Chainage in Km	From km 116 to km 166.173 (LHS)	
1.6	Length in Metres	Total length – 50173 m	
1.7	Width Of Available Road Of NHAI Land	30 m from centre line of NH – 215 (New NH-20) at each side. Total width 60 m(In General)	
	(a) Left Side From Centre Line (Towards Increasing Chainage/KM Direction)	30 m	
	(b) Right Side From Centre Line (Towards Increasing Chainage/KM Direction)	30m	
1.8	Proposal To Lay Underground Iron Ore Slurry Pipeline	Iron Ore Slurry Pipeline of 350mm dia in the trench.	
	(a) Left Side From Centre Line (Towards Increasing Chainage/KM Direction)	3.7 mtrs from (KM 116 to KM 117) 4.350 mtrs from (Km117 to KM123.250) 3.7 mtrs from (KM 123.250 to KM 130.300) 4.350 mtrs from KM 130.300 to KM 131.500 & 3.7 mtrs from (KM 131.500 to KM 166.173) in the Utility corridor of NH-215 as per NHAI RoW availability	
	(b) Right Side From Centre Line (Towards Increasing Chainage/KM Direction)	NA	
1.9	Proposal To Acquire Land	NA	
	(a) Left Side From Centre Line	NO	

For Brahmani River Pellets Ltd.

Authorised Signatory



	(b)Right Side From Centre Line	NO	
1.10	Whether Proposal Is In The Same Side Where Land Is To Be Acquired	NA	
	If Not Then Where To Lay The Iron Ore Slurry Pipeline	Within the available NHAI utility corridor of NHAI ROW	
1.11	Details Of Already Laid Service, If Any Along The Propose Route	Yes, existing laid services and proposed services have been considered in the cross section drawings and documents attached.	
1.12	Number Of Lanes (2/4 or 6/8)Existing	Existing 4 Lanes	
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	

	(a)Left Side From Centre Line (Width)	Existing Service Road varies from 14 m to 30 m from centreline of the Road.	
	(b)Right Side From Centre Line (Width)	Existing Service Road varies from 14 m to 30 m from centreline of the Road.	
1.15	Proposed Service Road	Yes	
	(a)Left Side From Centre Line (Width)	Proposed Service Road varies from 14 m to 30 m from centreline of the Road.	
	Right Side From Centre Line (Width)	Proposed Service Road varies from 14 m to 30 m from centreline of the Road.	
1.16	Whether Proposal To lay Iron Ore Slurry Supply Pipeline is after the service road or between the service and main carriageway	Below the Service Road using RCC Duct of 3.5 mtr width and 1.20 mtr below the finished road level.	
1.17	The permission for laying of Iron Ore Slurry supply pipe line shall be considered for approval/rejection based on the ministry circular mentioned as above	Yes, agreed.	
	(a) Carrying of Iron Ore Slurry 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	Yes, agreed for not carrying Iron Ore Slurry Pipelines on bridges.	
	(b)Carrying of Iron Ore Slurry pipe lines on bridges Shall also be discouraged However, if the Iron Ore Slurry supply authorities seem to have no other viable alternative and approach the Highway Authority well in time before the design of the bridge is finalized, then may be 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 for not carrying Iron Ore Slurry Pipelines on bridges but over independent super structures if required with the permission of Highway Authority.	
	(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 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.	Yes, agreed to comply.  Project Director Project Implementation Unit National Highway Authority of India	
1.18	If crossing of the road involved If yes, it shall be either encased in pipes or through structures or	No road crossing is involved in the proposal.	

or Brahmani River Projects Ltd.
Authorised Signatory



	conduits specially built for that purpose at the expenses of the agency owning the line.		
	(a) Existing Drainage Structure Shall not be allowed to carry the line	Yes, agreed to comply.	
	(b) is it on a line normal to NH	No road crossing is involved in the proposal.	
	(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.	No road crossing is involved in the proposal.	
	(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.	No road crossing is involved in the proposal.	

	(e) End of the casing/conduit pipe line shall be Sealed from outside, so that it does not act As a drainage path.	No road crossing is involved in the proposal.	
	(f) The casing/conduit pipe shall be sealed From drain to in cuts and line of slope in the fills.	No road crossing is involved in the proposal.	
	(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.	No road crossing is involved in the proposal.	
	(h) Crossing shall be by boring method (HDD) especially where the existing road pavement is of cement concert or dense bituminous concert type.	No road crossing is involved in the proposal.	
	(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 an Iron Ore Slurry way along it.	No road crossing is involved in the proposal.	
2.0	Document/Drawing enclosed with the Proposal	Yes, drawing & documents enclosed.	
2.1	Cross section showing the size of the trench for open trench method (is it normal size of 1.2 deep x 0.3 m wide)	Not normal size but as per drawing enclosed.	
	(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, Agreed to comply.	
	(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 Iron Ore Slurry 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 Iron Ore Slurry pipe line	Yes, submitted	
	Open trenching method (may be allowed in the	Yes, open trenching allowed as per	


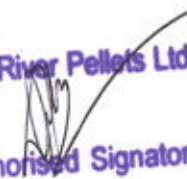

 Project Director
 Project Implementation Unit
 National Highway Authority of India
 KEONJHAR

For Bramhani River Pellets Ltd.

Authorised Signatory



	utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type if yes, methodology or refilling of trench.	submitted methodology at specific locations as per available ROW and further compliance by BRPL, as per the 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	Yes, Agreed to comply.	

	(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 tamping and controlled Addition of moisture of 95% of the proctor's Density overfill shall be compacted to the same density as the materials that had 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 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 the submitted methodology at specific location as per available ROW and further compliance by BRPL as per MoRTH/IRC guidelines.	
2.4.3	Laying of Iron Ore Slurry supply pipeline through CD Work and method of laying.	At all CD work locations HDD method will be adopted.	
	(a)On approaches Iron Ore Slurry Pipelines 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.	 Project Director Project Implementation Unit National Highway Authority of India KEONJHAR
3	Draft Licence agreement signed by two witness	Yes, Submitted	
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 Iron Ore Slurry Pipeline by proper filling and compaction, clearing debris/loose earth produced due to excavation or trenching at least 50 m away from the edge of the right	Yes, Agreed for submission of performance BG as per latest MoRTH/NHAI guidelines.	For Brahmani River Pellets Ltd.  Authorised Signatory



	edge of the right of way no payment shall be payable by NHAI to the licensee for clearing debris/loose earth		
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 the 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 and submitted undertaking.	
5.2	Renewal of bank guarantee.	Yes, Agreed to comply and submitted undertaking.	
5.3	Confirming all standard condition of NHAI's guidelines	Yes, Agreed to comply and submitted undertaking.	
5.4	Sifting of Iron Ore Slurry pipeline as and when required by NHAI at our own cost.	Yes, Agreed to comply and submitted undertaking.	
5.5	Sifting due to 6 Lanning/widening of NH.	Yes, Agreed to comply and submitted undertaking.	

5.6	Indemnity against all damages and claim clause(XXIV)	Yes, Agreed to comply and submitted undertaking.	
5.7	Traffic movement during laying of Iron Ore Slurry pipeline To be managed by the applicant.	Yes, Agreed to comply and 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 and submitted undertaking.	
5.9	Prior approval of the NHAI to be obtained Before undertaking any work of the installation, sifting or repair, or alteration to the showing Iron Ore Slurry Pipe line located in the National Highway right of way.	Yes, Agreed to comply and submitted undertaking.	
5.10	Expenditure, if any incurred by NHAI for repairing Any damage cause to the National Highway by laying, maintenance or sifting of the Iron Ore Slurry pipe line will be borne by the agency owning the line.	Yes, Agreed to comply and submitted undertaking.	
5.11	If the NHAI consider it necessary in future 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 at the cost of the agency owning the utility line with in a reasonable time (not exceeding 60 days) of the intimation given.	Yes, Agreed to comply and submitted undertaking.	
5.12	Certificate from the applicant in the following format :		
	(i) Laying of Iron Ore Slurry pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.	Yes, Agreed to comply and submitted undertaking.	
	(ii)for 6 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 will be stipulated by NHAI" for future six – lanning or any other development.	Yes, Agreed to comply and submitted undertaking.	
6	Who will sign the agreement on behalf or Iron Ore Slurry pipeline agency?	- Vice-President (HR & Corp. Affairs) Brahmani River Pellets Limited (Power of Attorney attached)	Project Director Project Implementation Unit National Highway Authority of India KEONJHAR
7	Certificate from the Project Director	Attached	or Brahmani River Pellets Ltd.
	Certificate for confirming of all standard condition issued vide ministry circular NO. NH41(58)/68 Dated 31-01-1969 Ministry circular No.NHIII/P/66/76 Dated 18/19 -01-1976	Enclosed	Authorized Signatory

7.1	Dated 11-05-1982 Ministry circular No.RW/NH-11037/1/86-DOI(II) DATED2/1/1993 Ministry circular No. RW/NH-11037/1/86-DOI Dated 19-1-1995,Ministry circular No.RW/NH/31066/2/95/S&R Dated 25/10/1999 AND Ministry circular No.RW/NH-34066/7/2003 S&R (B) Dated 17-09-2003		
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7.2	Certificate from PD in the following format: (i)It is to certify that any other location of the Iron Ore Slurry pipeline would be extremely difficult and unreasonably costly and the installation of Iron Ore Slurry 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.	Enclosed	
	(ii) for 6 Lanning	Enclosed	
	(a)Where feasibility is available " I do certify That there will be no hindrance to propose six Lanning based on the feasibility report considering proposed structure at the said location"	Enclosed	
	(B) In case feasibility Report is not available – " I do certify that sufficient ROW is available At site for accommodating proposed six lanning.	Enclosed	
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 Iron Ore Slurry pipeline cable/duct has also been granted as right to way to the concessionaire under the concession agreement or 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.	yes	
9	Who will supervise the work of laying of Iron Ore SlurryPipeline.	BRPL/IE/NHAI under the guidance of NHAI authority	
10	Who will ensure, that the defects in road Portion after laying of Iron Ore Slurry pipeline are Corrected and if not corrected the what action Will be taken.	Brahmani River Pellets Limited 4 th Floor IPICOL House, Janapath Bhubaneswar will ensure rectification of the defects and if not corrected BRPL will bear the cost of rectification as asked by NHAI authority.	
11	Who will pay the claims for damage done? /disruption in working of concessionaire if Asked by the concessionaire.	Brahmani River Pellets Limited 4 th Floor IPICOL House, Janapath Bhubaneswar shall bear the claims of damages.	
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	
13	If any previous approval is accorded for underground Iron Ore Slurry pipeline then photo copy of register of records of Permission accorded as maintained by PD then copy enclosed.	Yes, enclosed	



Project Director
Project Implementation Unit
National Highway Authority of India
KEONJHAR

For Brahmani River Pellets Ltd.

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