



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
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NHAI/13011/54/RO/OD/ 3078 /2021

12.11.2021

To

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

Sub: Rehabilitation & Up gradation to four laning of Singara to Binjabahal section of NH-6 from Ch. km. 310.806 to km. 414.982 in the state of Odisha under Hybrid Annuity Mode under PIU -NHAI, Keonjhar. NOC proposal for ROW access permission for laying of 1 no. Iron ore slurry pipeline of Steel of dia 800mm for Iron ore transportation & 50mm dia OFC to Pallet plant at Paradip, Jagatsinghpur District from Ch.Km.373+340 at Bayapandadhar to Ch.Km.377+990 at Kuanar (RHS) with total as 4.650Km within the Utility Corridor along the road & 1 no. of Crossing from LHS to RHS at Km.373+340 across the road of NH-6 in Keonjhar District of Odisha State as sought by the Authorised Signatory, M/s. Thriveni Earth Movers Private Limited, At Unchabali, P.O:- Bamebari, Keonjhar District, Odisha- reg

Sir,

Please find enclosed herewith a proposal of M/s Thriveni Earthmovers Private Limited, regarding permission for laying of 1 no. Iron ore slurry pipeline of Steel of dia 800mm for Iron ore transportation & 50mm dia OFC to Pallet plant at Paradip, Jagatsinghpur District from Ch.Km.373+340 at Bayapandadhar to Ch.Km.377+990 at Kuanar (RHS) with total as 4.650Km within the Utility Corridor along the road & 1 no. of Crossing from LHS to RHS at Km.373+340 across the road of NH 6 excluding forest stretches where M/s. TEMPL shall obtain clearance from MoEF. The details is as under:

Sl. No.	Chainage		Side	Length (m)	Location	Remarks
	From	To				
1.	373+340	377+990	RHS	4650	Bayapandadhar to Kuanar	Laying of 800mm dia Iron Ore Slurry Pipeline & 50mm dia OFC
2.	377+990		Crossing	NA	Kuanar	

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)

National Highways Authority of India
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क्षेत्रीय कार्यालय, ओडिशा / Regional Office, Odisha

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NHAI/13011/54/RO/OD/3077/2021

12.11.2021

INVITATION OF PUBLIC COMMENTS

Sub: Rehabilitation & Up gradation to four laning of Singara to Binjabahal section of NH-6 from Ch. km. 310.806 to km. 414.982 in the state of Odisha under Hybrid Annuity Mode under PIU -NHAI, Keonjhar. **NOC proposal for ROW access permission for laying of 1 no. Iron ore slurry pipeline of Steel of dia 800mm for Iron ore transportation & 50mm dia OFC to Pallet plant at Paradip, Jagatsinghpur District from Ch.Km.373+340 at Bayapandadhar to Ch.Km.377+990 at Kuanar (RHS) with total as 4.650Km within the Utility Corridor along the road & 1 no. of Crossing from LHS to RHS at Km.373+340 across the road of NH-6 in Keonjhar District of Odisha State as sought by the Authorised Signatory, M/s. Thriveni Earth Movers Private Limited, At Unchabali, P.O:- Bamebari, Keonjhar District, Odisha- reg**

M/s Thriveni Earthmovers Private Limited has submitted a proposal permission for permission for laying of 1 no. Iron ore slurry pipeline of Steel of dia 800mm for Iron ore transportation & 50mm dia OFC to Pallet plant at Paradip, Jagatsinghpur District from Ch.Km.373+340 at Bayapandadhar to Ch.Km.377+990 at Kuanar (RHS) with total as 4.650Km within the Utility Corridor along the road & 1 no. of Crossing from LHS to RHS at Km.373+340 across the road of NH-6 excluding forest stretches where M/s. TEMPL shall obtain clearance from MoEF. The details is as under:

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	From	To				
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2.	377+990		Crossing	NA	Kuanar	

2. As per guidelines issued by MoRTH vide F. No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, the Highway Administration will put out the application in the public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

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

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

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

THRIVENI EARTH MOVERS PRIVATE LIMITED
At-Unchabali, Post-Bamebari, Dist-Keonjhar - 758 086, Odisha

Seeking ROW from Bayapandadhar (373.340 Km) to Kuanar (377.990 Km) on NH-49

CHECK LIST

Guideline for Project Directors for processing the proposal for laying of 800mm dia Iron Ore Slurry Pipeline & OFC along National Highway (New No. 49) (Old NH-6)

Relevant Circulars

- 1) Ministry Circular No. NH-41 (58)/68 dated 31.1.1969
- 2) Ministry Circular No. NH-III/P/66/76 dated 18/19.11.1976
- 3) Ministry Circular No. RW/ NH-III/P/76 dated 11.5.1982
- 4) Ministry Circular No. RW/ NH-11037/1/86-DOI (ii) dated 28.7.1993
- 5) Ministry Circular No. RW/ NH-11037/1/86-DOI dated 19.7.1995
- 6) Ministry Circular No. RW/ NH-34066/2/95/S&R dated 25.11.1999
- 7) Ministry Circular No. RW/ NH-34066/7/2003 S&R dated 17.9.2003
- 8) Ministry Circular No. RW/ NH-33044/29/2015 S&R* dated 22.11.2016

CHECK LIST FOR APPROVAL FOR LAYING OF IRON ORE SLURRY PIPELINE & OFC ALONG NATIONAL HIGHWAY

SL No.	Item	Information	Status Remarks
1	General Information	Thriveni Earthmovers Pvt. Ltd. has proposed to transport 30 MTPA Iron Ore from mining area around Deojhar, Dist-Keonjhar, Odisha to its proposed Pellet Plant at Paradip Dist Jagatsinghpur, in form of Iron Ore Slurry through Slurry Pipeline. Thus, the company is seeking permission for laying of one 800mm dia Iron Ore Slurry Pipeline & 50mm dia OFC in utility corridor of National Highway No-6 from Bayapandadhar to Kuanar by open trench method in general and Horizontal Directional Drilling (HDD) method at specific locations like Road crossings, rivers, bridge, canal, railways etc and places where locational constraints exist.	
1.1	Name and Address of the Applicant /Agency	Thriveni Earthmovers Pvt. Ltd., At: Unchabali, Po: Bamebari, Via: Joda, Dist.: Keonjhar, Odisha - 758086.	
1.2	National highway No.	(New NH. No – 49) (Old NH-6)	
1.3	State	Odisha	
1.4	Location	Bayapandadhar to Kuanar	
1.5	Chainage in km	CH-373.340 KM To CH-377.990 KM	
1.6	Length in Meters	4650	
1.7	Width of available ROW	45m (In general)	
	(a) Left side from center line towards increasing chainage/km direction	22.5m. from Ch373.340 to Ch377.990	
	(b) Right side from center line increasing chainage/km direction	22.5m. from Ch373.340 to Ch377.990	



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1.8	Proposal to lay underground pipeline	Yes, laying involved in the pipeline trench (800 mm dia pipe + 50mm dia OFC)	
	(a) Left side from center line towards increasing Chainage /km Directions	N.A	
	(b) Right Side From center line towards increasing chainage/km direction.	As per availability of RoW of NHAI (20.445 to 20.850 m from PCL)	
1.9	Proposal to acquire land	N.A	
	(a) Left side from center line		
	(b) Right side from center line		
1.10	Whether Proposal is in the same side where land is not to be acquired	Yes	
	If not then where to lay the cable	N.A	
1.11	Details of already laid services, if any along the proposed route	Yes, existing laid / proposed services considered in drawings & documents.	
1.12	Numbers of Lanes (2/4/6/8) existing	4- Lane with paved shoulder	
1.13	Proposed number of lanes(2 Lane with paved shoulders/4/6/8 lanes)	4 Lane construction work is in progress.	
1.14	Service Road existing or not	No service roads in the proposed location exists.	
	If yes then which side		
	(a) Left side from centre line		
	(b) Right side from centre line		
1.15	Proposed service road	N.A	
	(a) Left side from center line		
	(b) Right side from centerline		
1.16	Whether proposal to Lay Iron Ore Slurry pipe line are after the service road or between the service road and main carriageway.	Proposal to lay Iron Ore Slurry Pipeline is after the service Lane of NH in utility corridor as per availability of PROW of NHAI.	
1.17	The permission for laying Iron Ore Slurry pipe line shall be considered for approval/rejection based on the Ministry circular mentioned as above	Yes	
	(a) Carrying of Iron ore pipelines based on Ministry circular mentioned above. (b) Carrying of Iron Ore Slurry pipe line on bridges shall also be discouraged. However if the iron ore pipe 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. They may be permitted to carry the pipeline on independent superstructures 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 inspection and repairs etc.	Noted and shall be complied with.	



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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.	Yes, agreed to comply	
	(d) Service are not being allowed indiscreetly on the parapet/ any part of the bridges. Safety of the bridges has to be kept in a view while permitting various services along bridge. Approvals are to be accorded in the regard with the concurrence of the Ministry's project Chief Engineers only.	Yes, agreed to comply	
1.18	If the crossing of the road involved. If yes, it shall be either encased in pipes or through structure of conduits specially built for the purpose at the expenses of the agency owing the line.	Yes, 1 no. of crossing is involved and it shall be encased at our cost with encasing pipe dia = 1.2m	
	(a) Existing drainage structure shall not be allowed to carry the lines.	Yes, agreed to comply	
	(b) Is it on a line normal to NH	Yes	
	(c) Crossing shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter. What is the distance from the existing structures?	Yes, agreed that all the crossing shall be done as per technical requirements and NHAI guidelines with approval of concerned owner of the facility with adequate safety.	Crossing @ 373+340km is more than 15m away from existing structure
	(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 concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe /Cable.	Yes, agreed. Casing pipe material will be of Steel Pipe for carrier pipe and conduit pipe for Optic Fiber Cable.	
	(e) Ends of the 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 pipe should, as minimum extend from drain to drain in cuts and toe slope in the fills.	Yes, agreed to comply.	
	(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 mtr below the drain inverts.	Yes, agreed to comply.	
	(h) Crossing shall be by boring method (HDD) especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Yes, agreed to comply. Crossing involved HDD method only.	
	(i) The Casing/conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the information of a waterway along it.	Yes, agreed to comply.	
2	Document/ Drawings enclosed with proposal should indicate the following	Yes	
2.1	Cross Section showing the size of Trench for open trenching method (is it normal size of 1.5m deep x 1.5m Wide).	Yes, drawing attached shows details of cross sections.	



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	(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 edges of the right of way as possible but not less than 15 meter from the centre 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 these be laid over the existing culverts and bridges.	Yes, agreed to comply.	
	(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.	Yes, agreed to comply.	
2.2	Cross section showing the size of pit and location of cable for HDD method	Incorporated in the drawing	
2.3	Strip plan/Route plan showing Iron ore Slurry Pipeline chainage, width of ROW, Distance of proposed pipeline from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Yes, Submitted.	
2.4	Methodology for laying Iron Ore Slurry pipe line.	Methodology submitted.	
2.4.1	Open Trenching method (may be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type). If yes, Methodology of refilling trench.	Yes, agreed to comply.	
	(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 the trench, bedding shall be to a depth of not less than 30cm. It shall consist of granular material; free of lumps, clods and cobbles and graded too.	Yes, agreed to comply	
	(c) The backfill shall be completed in two stage (i) side-fill to the 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 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.	Yes, agreed to comply	
	(e) The road crust shall be built to the same strength as the existing crust or either side of the trench. Care shall be	Yes, agreed to comply	



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	taken to avoid the formation of a dip at the trench.		
	(f) The excavation shall be protected by flagman, signs and barricades and red light during night hours.	Yes, agreed to comply	
	(g) If required a diversion shall be constructed at the expenses of agency owning the utility line.	Yes, agreed to comply	
2.4.2	Horizontal Directional Drilling(HDD) Method	Methodology Attached.	
2.4.3	Laying of Iron Ore Slurry pipe line through CD works and method of laying:		
(a)	On approaches, the pipelines shall be carried along a line as close to the edge of the right of way as possible up to a distance of 30 mtr from the bridge and subject to all other stipulations contained in the Ministry's guidelines issued with letter No. HI/P/66/78 dated 19.11.1976	Yes, agreed to comply.	
3	Draft license Agreement signed by two witness	Yes, will be signed	
4	Performance Bank Guarantee in favour of NHAI has to be obtained @ Rs 50 per running meter (parallel to NH) and Rs 100000/- 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 Cable/ducts by proper filling and compaction, clearing debris / loose earth produced due to execution of trenching at least 50 meter away from the edge of the right of Way. No payment shall be payable by the NHAI to the licence for clearing debris /loose earth.	Yes, agreed to pay as per latest MoRTH Circular/ NHAI guidelines.	
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 technical clearance from NHAI.	
5	Affidavit/ Undertaking from the applicant for the following is to be furnished	Yes agreed for submission.	
5.1	Not to Damage to other utilities, if damaged then to pay the losses either to NHAI or to the concerned agency.	Yes, agreed through undertaking	
5.2	Renewal of Bank Guarantee	Yes, agreed through undertaking.	
5.3	Confirming all standard condition of NHAI's Guideline	Yes, agreed through undertaking	
5.4	Shifting of Iron Ore Slurry Pipeline as and when required by NHAI at their own cost.	Yes, agreed through undertaking	
5.5	Shifting Due to 6 Lanning/Widening of NH	Yes, agreed through undertaking	
5.6	Indemnity against all damages and claims clause(xxiv)	Yes, agreed through undertaking	



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5.7	Traffic movement during laying of Iron Ore Slurry pipe line to be managed by the applicant.	Yes, agreed through undertaking	
5.8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant.	Yes, agreed through undertaking	
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 pipe line located in the National Highway right of ways.	Yes, agreed through undertaking	
5.10	Expenditure, if any incurred by NHAI for repairing and damage caused to the National Highway by the laying, maintenance or shifting of the Iron Ore Slurry Pipeline/Water Pipeline will be borne by the agency owning the line.	Yes, agreed through undertaking	
5.11	If the NHAI Considers it necessary in future to move the utility line for any work of improvement or repair 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 through undertaking	
5.12	Certificate from the applicant in the following format (i) Laying Of Iron Ore Slurry pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic. (ii) For 6 lanning "we do undertake that I will relocate utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for future 6 lanning or any other development".	Yes, agreed to comply & desired certificate enclosed.	
6	Who will sign the agreement on behalf of Iron Ore Slurry Pipeline/Water Pipeline agency?	Athrouised Signatory as appointed by M/s Thriveni Earhmoovers Pvt. Ltd. Authorization attached.	
7	Certificate from the project director	Attached	

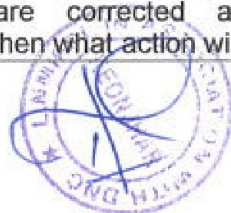


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7.1	Certificate for confirming of all standard condition issued vide Ministry Circular No. NH-41(58)/(68), dated 31.1.1969, Ministry Circular No. NH-3/P/66/76, dated 18/19.11.1976, Ministry Circular No. RW/NH-3/P/66/76, dated 11.5.1982, Ministry Circular No. RW/NH-11037/1/86-001 (2), dated 28/7/1993, Ministry Circular No. RW /N H-1103 7/1/86-001, dated 19.1.1995, Ministry Circular No. RW /NH-34066/2/95/S&R, dated 25.10.1999 and Ministry Circular No. RW/NH34066/ 72003 S&R (B) dated 17.9.2003, & Ministry Circular No. RW/NH-33044/29/2015 S&R*, dated 22.11.2016	Attached	
7.2	Certificate from PD In the following format		
	(I) "It is certified that any other location of the Iron Ore Slurry Pipeline would be extremely difficult and un reasonable costly and the installation of Iron Ore Slurry pipe line within ROW will not adversely affect the design, stability and traffic safety of the highway nor the likely future improvement such as widening of the carriageway, easing of curve etc".	Attached	
	(II) For 6-lanning		
	(a) Where feasibility is available "I do certify that there will be no hindrance to proposed 6 lanning based on the feasibility report considering proposed structures at the said location".	N.A	
	(b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed 6 lanning".	N.A	
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 pipeline has also been granted as a Right of way to the concessionaire under the concession agreement For up gradation of..... [Section from KM ...Of NH No ... on build, operate and transfer basis] and therefore, Licensee Shall honour the same" .	N.A	
9	Who will supervise the work of laying Iron-ore slurry pipeline?	Thriveni Earthmovers Pvt, Ltd. At Unchabali, Post Bamebari, Dist Keonjhar - 758 086, Odisha	
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 action will be taken .	Thriveni Earthmovers Pvt, Ltd. At Unchabali, Post Bamebari, Dist Keonjhar - 758 086, Odisha. If not corrected , TEPL will bear the cost of	



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		rectification as asked by NHA.	
11	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire?	Thriveni Earthmovers Pvt, Ltd. At Unchabali, Post Bamebari, Dist Keonjhar - 758 086, Odisha.	
12	A certificate from PD that he will enter the proposed permission in the register of the records of the permission in the prescribed proforma (copy enclosed).	Yes	
13	If any Previous approval is accorded for laying of underground Iron Ore Slurry Pipeline/ Water Pipeline then photocopy of register of the records of permissions accorded as maintained by PD then copy be enclosed,	Yes	



For Thriveni Earthmovers Pvt. Ltd.

Authorised Signatory

Project Director
Project Implementation Unit
National Highway Authority of India
KEONJHAR