



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 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

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भारतमाला
एकरी से एक का अड्डा



BHARATMALA
ROAD TO PROSPERITY

NHAI/13011/54/RO/OD/ 868 /2021

19.03.2021

To

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

Sub: Laying of 800 mm dia. Iron Ore Slurry Pipeline & 800 mm dia. water pipeline along NH-5A (New NH-53) from Chandikhole to Paradip Km.0.000 to Km.74.400 in the State of Odisha- Reg.

Sir,

Please find enclosed herewith a proposal of M/s Thriveni Earthmovers Pvt. Ltd for laying of 800 mm dia Iron Ore Slurry Pipeline & 800mm dia. return water pipeline along with 50 mm dia Optical Fibre Cable from chainage 0.000 to chainage 74.400 with one no. of crossing with 1200mm dia steel casing for each pipe, at chainage 74.300 of Chandikhole to Paradip section of NH-5 A (New NH-53). The details are as under:

Sl. No.	Chainage		Along/ Across	Length (in meter)	Remark
	From	To			
1	0+000	74.400	LHS	74400	Laying of 800 mm dia. iron ore slurry pipeline & 800 mm dia. water pipeline along with 50 mm dia. Optical Fibre Cable along with 1200mm dia. casing pipe for each.
2.	74+300		Crossing	The width of RoW	

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.

Yours faithfully,

(Dr. Ram Prasad Panda)
CGM (Tech) & RO- Odisha



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(सड़क परिवहन और राजमार्ग मंत्रालय)

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BHARATMALA

ROAD TO PROSPERITY

NHAI/13011/54/RO/OD/269 /2021

19.03.2021

INVITATION OF PUBLIC COMMENTS

Sub: Laying of 800 mm dia. Iron Ore Slurry Pipeline & 800 mm dia. water pipeline along NH-5A (New NH-53) from Chandikhole to Paradip Km.0.000 to Km.74.400 in the State of Odisha- Reg.

M/s Thriveni Earthmovers Pvt. Ltd has submitted a proposal for laying of 800 mm dia. Iron Ore Slurry Pipeline & 800mm dia. return water pipeline along with 50 mm dia. Optical Fibre Cable from chainage 0.000 to chainage 74.400 with one no of crossing with 1200mm dia. steel casing for each pipe, at chainage 74.300 of Chandikhole to Paradip section of NH-5 A (New NH-53). The details are as under:

Sl. No.	Chainage		Along/ Across	Length (in meter)	Remark
	From	To			
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2.	74+300		Crossing	The width of RoW	

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

19-03-2021
CGM (Tech) & RO- Odisha
National Highways Authority of India,
Regional Office, Odisha
301-A, 3rd Floor, Pal Heights,
J/7, Jayadev Vihar, Bhubaneswar 751013

THRIVENI EARTHMOVERS PRIVATE LIMITED

At Unchabali, Post Bamebari, Dist Keonjhar - 758 086, Odisha

REVISED CHECK LIST

Guideline for Project Directors for processing the proposal for laying of 800mm dia Iron Ore Slurry Pipeline & 800 mm dia Water Pipeline along National Highway No. 5A, (revised to NH No. 53)

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

REVISED CHECK LIST FOR APPROVAL FOR LAYING OF IRON ORE SLURRY PIPELINE, RETURN WATER PIPELINE & OPTICAL FIBER CABLE LINE ALONG NH.			
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 lant 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 and second 800 mm dia Water Pipeline in utility corridor of National Highway No.5A (revised to NH No.53) from Chandikhol (+0.000KM) to Paradeep (74.350KM) by open trench method in general and Horizontal Directional Driling (HDD) method at specific locations, wherever required. The pipelines will be laid atleast 1.2 Mtrs below surface in utility corridor as per NHAI guidelines. Total permission required for width of 1.90 meters in utility corridor of NHAI.	
1.1	Name and Address of the Applicant / Agency	Thriveni Earthmovers Pvt. Ltd., Post Box No. 1, At : Unchabali, Po: Bamebari, Via: Joda, Dist.: Keonjhar, Odisha - 758034.	
1.2	National highway No.	NH. No - 5A (revised to NH. No. 53)	
1.3	State	Odisha	
1.4	Location	Chandikhol to Paradip	
1.5	Chainage in km	CH- 0.000KM To CH- 74.400 KM	
1.6	Length in Meters	74400 mtrs	

For Thriveni Earthmovers Pvt. Ltd.

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1.7	Width of available ROW	In general more than 10meters. ROW availability of NHAI in given Chainage is marked every 100mtrs in drawings attached.	
	(a) Left side from center line towards increasing chainage/km direction	Left side from CH - 0.000KM to 74.300KM	
	(b) Road Crossing	CH - 74.300 KM to CH- 74.316 KM	
	(c) Right side from centre line increasing chainage/km direction	Right side from CH - 74.316 KM to 74.350KM	
1.8	Proposal to lay underground electric cable	No Electrical cable laying involved.	
	(a) Left side from center line towards increasing Chainage /km Directions	Not applicable	
	(b) Right Side From center line towards increasing chainage/km direction.	Not applicable	
1.9	Proposal to acquire land	Right to use of NH RoW as per P & MP Act. Is available for laying the below the surface Iron Ore Slurry Pipeline/Water Pipeline along the edge of NH RoW.	
	(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	Right to use of NH RoW as per P & MP Act. Is required for laying the below the surface Iron Ore Slurry Pipeline/Water Pipeline along the edge of NH RoW.	
	If not then where to lay the cable	N/A	
1.11	Details of already laid services, if any along the proposed route	NHAI to intimate	
1.12	Numbers of Lanes(2/4 /6/8) existing	Existing 4 lanes with paved shoulders	
1.13	Proposed number of lanes(2 Lane with paved shoulders/4/6/8 lanes)	NHAI to Intimate, 6 lanes.	
1.14	Service Road existing or not	No	
	If yes then which side	N/A	
	(a) Left side from centre line		
	(b) Right side from centre line		
1.15	Proposed service road	NHAI to Intimate	
	(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/Water Pipeline is on the edge of ROW of NH in utility corridor of 5m.	
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, Iron Ore Slurry Pipeline/ Water Pipeline is to be considered as per NHAI guidelines.	



For Thriveni Earthmovers Pvt. Ltd.

[Signature]
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 PROJECT DIRECTOR
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 National Highways Authority of India
 प. कार. इ. भुवनेश्वर / P.O. Bhubaneswar

	(a) Carrying of Iron Ore Slurry pipe line 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 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.	
	(b) 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.	Agreed	
	(c) 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.	Agreed	
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.	Crossing the road is Chainage 74.300 KM from left to right of the road by <u>HDD Method</u> .	
	(a) Existing drainage structure shall not be allowed to carry the lines.	Agreed	
	(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 5 meter. What is the distance from the existing structures?	Agreed	



For Thriveni Earthmovers Pvt.Ltd.

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PROJECT DIRECTOR
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National Highways Authority of India
प्लॉट नं. ४, पुणे नगर / P.U. Shubaneswar

	(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.	Agreed. Has been followed in drawings submitted.	
	(e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	Agreed	
	(f) The Casing pipe should, as minimum extend from drain to drain in cuts and toe slope in the fills.	Agreed	
	(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.	Agreed	
	(h) Crossing shall be by boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Agreed	
	(i) The Casing/conduit pipe shall be installed with an even bearing through out its length and in such a manner as to prevent the information of a waterway along it.	Agreed	
2	Document/ Drawings enclosed with proposal should indicate the following		
2.1	Cross Section showing the size of Trench for open trenching method (is it normal size of 1.5m deep x1.5m wide).	Yes/ shown	
	(i) Should not be greater than 80 cm. Wider than the outer diameter of the pipe.	Agreed	
	(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.	Agreed/ has been complied with.	



For Thriveni Earthmovers Pvt. Ltd.

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National Highways Authority of India
ए.का.ए. भवन, दिल्ली

	(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.	Agreed	
	(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.	Agreed	
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/Water pipeline, chainage, width of ROW, Distance of proposed, cable form the edge of ROW, important mile stone, intersections, cross drainage works etc.	Yes/ has been incorporated.	
2.4	Methodology for laying Iron Ore Slurry pipe line.	In general, Slurry Pipeline/Water Pipeline along NH will be laid through Open Trench Method. However, all crossings will be done through HDD (Horizontal Directional Drilling), Augar Boring, Box Pushing method for laying Slurry Pipeline/Water Pipeline across NHs as per NHAI guidelines (Methodology attached)	
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.	As per NHAI guidelines	
	(a) The Trench width should be atleast 90 cm, but not more than 150 cm wider than the outer diameter of the pipe.	Agreed	
	(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.	Agreed	
	(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.	Agreed	



For Thriveni Earthmovers Pvt. Ltd.

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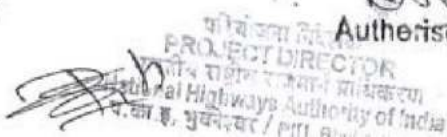
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PROJECT DIRECTOR
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	(d) The side fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the proctor's density. Overfill shall be compacted to the same density as the material that had been removed consolidation by saturation or ponding will not be permitted.	Shall be complied with	
	(e) The road crust shall be built to the same strength as the existing crust or either side of the trench. Care shall be taken to avoid the formation of a dip at the trench.	Agreed	
	(f) The excavation shall be protected by flagman, signs and barricades and red light during night hours .	Agreed	
	(g) If required a diversion shall be constructed at the expenses of agency owning the utility line.	Agreed	
2.4.2	Horizontal Directional Drilling(HDD) Method	Methodology Attached.Shall be as per NHAI guidelines	
2.4.3	Laying of Iron Ore Slurry pipe line, return water pipeline and Optical fiber cable through CD works and method of laying	<p>1.CH - 0.285 KM Sidhipur Nala of 15.74 M width. Crossing to be done with Augar Boring Method.</p> <p>2.CH - 2.915 KM Brahmappurgada River of 43.42 M width. Crossing to be done with Augar Boring Method.</p> <p>3.CH - 4.679KM Badagenguti River of 104.02 M width. Crossing to be done with Augar Boring Method.</p> <p>4.CH - 6.543 KM Kanti River of 19.94 M width. Crossing to be done with Augar Boring Method.</p> <p>5.CH - 8.720 KM Nala of 17.56 M width. Crossing to be done with Augar Boring Method.</p> <p>6.CH - 9.187 KM Nala of 33.80 M width. Crossing to be done with Augar Boring Method.</p> <p>7.CH - 11.900 KM Birupa River of 100.02 M width. Crossing to be done with Augar Boring Method.</p> <p>8.CH - 13.769 KM Balichandrapur Canal of 21.00 M width. Crossing to be done with Augar Boring Method.</p> <p>9.CH - 17.688 KM Canal of 12.0 M width. Crossing to be done with Augar Boring Method.</p> <p>10.CH - 18.205 KM Canal of 5.0 M width. Crossing to be done with Augar Boring Method.</p> <p>11..CH - 20.020 KM Gobari River of 36.0 M width. Crossing to be done with Augar Boring Method.</p> <p>12.CH - 20.975 KM Paripalei Nala of 25.0 M width.</p>	



For Thriveni Earthmovers Pvt. Ltd.

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		<p>Crossing to be done with Augar Boring Method.</p> <p>13.CH - 22.600 KM Balabhdrapur Nala of 22.0 M width. Crossing to be done with Augar Boring Method.</p> <p>14.CH - 27.276 KM Chatarachakara Canal of 20.0 M width. Crossing to be done with Augar Boring Method.</p> <p>15.CH - 28.493 KM Chatarachakarai Nala of 41.0 M width. Crossing to be done with Augar Boring Method.</p> <p>16.CH - 28.493 KM Chatarachakarai Nala of 41.0 M width. Crossing to be done with Augar Boring method.</p> <p>17.CH - 31.417 KM Alabankapani Nala of 21.0 M width. Crossing to be done with Augar Boring method.</p> <p>18.CH - 33.905 KM Mararapur pani Nala of 53.0 M width. Crossing to be done with Augar Boring method.</p> <p>19.CH - 35.362 KM Nararpur Pani Nala of 41.0 M width. Crossing to be done with Augar Boring method.</p> <p>20.CH - 35.936 KM Samsundarpur Canal of 31.0 M width. Crossing to be done with Augar Boring method.</p> <p>21.CH - 38.505 KM Meghabarar Pani Nala of 21.0 M width. Crossing to be done with Augar Boring method.</p> <p>22.CH - 43.800 KM Hatia Luna River of 28.0 M width. Crossing to be done with Augar Boring method.</p> <p>23.CH - 46.800 KM Gobari Nala of 28.0 M width. Crossing to be done with Augar Boring method.</p>	
		<p>24.CH - 47.850 KM Silipur Canal of 10.0 M width. Crossing to be done with Augar Boring method.</p> <p>25.CH - 48.361 KM Distributary Canal of 15.0 M width. Crossing to be done with Augar Boring method.</p> <p>26.CH - 49.860 KM Kusunpur Jambu Canal of 38.0 M width. Crossing to be done with Augar Boring method.</p> <p>27.CH - 51.220 KM Luna River of 438.0 M width. Crossing to be done with Augar Boring method.</p> <p>28.CH - 58.924 KM Kalagarh Pani Nala of 28.0 M width. Crossing to be done with Augar Boring method.</p> <p>29.CH - 61.270 KM Naladiasasana Pani Nala of 84.0 M width. Crossing to be done with Augar Boring method.</p> <p>30.CH - 64.600 KM Sanadudhiapala River of 112.0 M width. Crossing to be done with Augar Boring method.</p> <p>31.CH - 65.880 KM Mohanadi River of 580.0 M width. Crossing to be done with Augar Boring method.</p> <p>32.CH - 67.037 KM Taladanda Canal of 28.0 M width. Crossing to be done with Augar Boring method.</p> <p>33.CH - 68.000 KM Jagati Haladipani River of 41.0 M width. Crossing to be done with Augar Boring method.</p> <p>34.CH - 69.650 KM Railway Line (from Haridaspur to Paradip) of 70.0 M width. Crossing to be done with Augar Boring method.</p>	



For Thriveni Earthmovers Pvt. Ltd.

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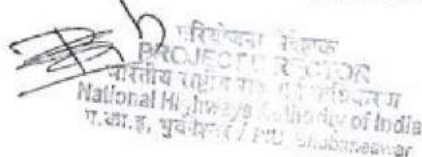
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		As per drawing mentioned.	
(a)	On approaches, the water mains/Cables shall be carried along a line as close to the edge of the right of way as possible up to a distance of 30 mtr from the bridge and subject to all other stipulations contained in the Ministry's guidelines issued with letter No. H1/P/66/78 dated 19.11.1976	Agreed	
3	Draft licence Agreement signed by two witness	Yes. Draft Agreement duly signed by two witnesses is enclosed on a Stamp Paper of Rs 100.	
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.	Shall be submitted as and when intimated by NHAI. <i>as per Circular dated 22.11.2016 .</i>	
4.1	Performance BG As per above is to be obtained	Shall be submitted as above <i>[As per Circular dt. 22.11.16]</i>	
4.2	Confirmation of BG Has been obtained As Per NHAI Guidelines	Yes	
5	Affidavit/ Undertaking from the applicant for the following is to be furnished:	Yes	



For Thriveni Earthmovers Pvt. Ltd.

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5.1	Not to Damage to other utilities, if damaged then to pay the losses either to NHAI or to the concerned agency.	Agreed	
5.2	Renewal of Bank Guarantee	Agreed	
5.3	Confirming all standard condition of NHAI's Guideline	Agreed	
5.4	Shifting of Iron Ore Slurry Pipeline, Water Pipeline, as and when required by NHAI at their own cost.	Shall be complied with.	
5.5	Shifting Due to 6 Lanning/Widening of NH	Shall be complied with.	
5.6	Indemnity against all damages and claims clause(xxiv)	Yes	
5.7	Traffic movement during laying of Iron Ore Slurry pipe line, return water pipeline and Optical fiber cable to be managed by the applicant.	Yes	
5.8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant.	Yes	
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	
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.	Agreed.	
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.	Agreed	



For Thriveni Earthmovers Pvt. Ltd.

[Signature]
Authorised Signatory

[Signature]
PROJECT DIRECTOR
National Highways Authority of India
प.का.ड. धुबनेस्वर / P.U. Dhubaneswar

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 componenets and roadway safety for traffic . (II) For 6 lanning " we do undrtake that i will relocate service roads/approach road/utilities at my own cost not with standing the permission granted within such time as will be stipulated by NHAi for future 6 lanning or anyother development " .	Enclosed	
6	Who will sign the agreement on behalf of Iron Ore Slurry Pipeline/Water Pipeline agency.	Mr Rajendra Kumar Mittal,CEO-Slurry Pipeline Division of M/s Thriveni Earhmoovers Pvt. Ltd. shall sign the agreement. Authorization letter enclosed.	
7	Certificate from the project director		
7.1	Certificate for confirming of all standard condition issued vide Ministry Circular No. NH-41(58)/(68), dated 31.1.1969, Ministry Circular No. NH-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-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/NH34066/72003 S&R (B) dated 17.9.2003, & Ministry Circular No. RW/NH-33044/29/2015 S&R*, dated 22.11.2016	Encl.	
7.2	Certificate from PD In the following format	Encl.	



For Thriveni Earhmoovers Pvt. Ltd.

Authorised Signatory



PROJECT DIRECTOR
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
प. व. इ. भुवनेश्वर / P. U. Bhubaneswar

	(I) "It is certified that any other location of the Iron Ore Slurry Pipeline/Water Pipeline would be extremely difficult and un reasonable costly and the installation of Iron Ore Slurry pipe line, return water pipeline and Optical fiber cable 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".		
	(II) For 6-lanning	YES	
	(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 loacation".		
	(b) In case feasibility report is not available "I do certify that sufficent ROW Is available at site for accommodating proposed 6 lanning".		
8	If NH Section proposed to be taken up by NHAI On BOT basis - A clause is to be inserted in the agreement."The permitted Highway On which License Has been granted the right to lay cable/duct has also been granted as a Right of way to the concessionaire under the concession agreement For upgradation of[Section from KMOf NH No..... or build ,operate and tranfer basis] and therefore ,Lincensee Shall honour the same".	Included in the agreement	
9	Who will supervise the work of laying Iron-ore slurry pipeline.	Thriveni Earthmovers Pvt.Ltd. & Supervision Consultant of NHAI (if req).	
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. & Supervision Consultant of NHAI. [if req].	



For Thriveni Earthmovers Pvt.Ltd.

Authorised Signatory

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
PROJECT DIRECTOR

11	who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire.	Thriveni Earthmovers Pvt,Ltd.	
12	A certificate from PD that he will enter the proposed permission in the register of the records of the permissions 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.	N/A	

Note: In Point No 2.4.3: All the crossings will be done through HDD method.

Dhruv in Association with Arkitechno
for
 Highway Maintenance cum Resident Engineer
 Chandikhol to Paradip Section of NH-5A

For Thriveni Earthmovers Pvt.Ltd.
[Signature]
 Authorised Signatory



[Signature]
 12/3/2021

परियोजना निदेशक
 PROJECT DIRECTOR
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
 National Highways Authority of India
 य.का.इ. धुबनेश्वर / PIU, Dhubaneswar