



# 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

दूरभाष/Tel. : +91-674-2361570/670

फैक्स/Fax : +91-674-2361770

ई-मेल /e-mail : roodisha@nhai.org

ronhaiodisha@gmail.com

वेबसाइट/Website : http://www.nhai.org



NHAI/13011/54/RO/OD/ 1629 /2021

17.06.2021

To

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

**Sub:** Rehabilitation & Up gradation of Cuttack- Angul section of NH-42 (New NH-55) to 4-lane in the State of Odisha under NHDP-III on EPC Mode Package-II- **Proposal for crossing of 600 mm dia slurry pipeline with OFC duct through 1000 mm dia casing pipe from RHS to LHS of NH-55 at chainage 77.975 from proposed MTPA iron ore beneficiation plant located at village- Bhanjapalli and Teherei to Dhenkanal Steel Plant of M/s Rungta Mines Ltd.-Reg**

Sir,

Please find enclosed herewith a proposal of M/s Rungta Mines Ltd for crossing of 600 mm dia slurry pipeline with OFC duct through 1000 mm dia casing pipe from RHS to LHS of NH-55 at chainage 77.975. The details are as under:

Sl. No.	Chainage		Side	Length (m)	Remarks
	From	To			
1.	77+975		Crossing	60	Crossing of 600 mm dia slurry pipeline (casing 1000 mm dia) by HDD method

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



# 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

दूरभाष/Tel. : +91-674-2361570/670

फैक्स/Fax : +91-674-2361770

ईमेल /e-mail : roodisha@nhai.org

ronhaodisha@gmail.com

वेबसाइट/Website : http://www.nhai.org



NHA/13011/54/RO/OD/ 1628 /2021

17.06.2021

## INVITATION OF PUBLIC COMMENTS

**Sub:** Rehabilitation & Up gradation of Cuttack- Angul section of NH-42 (New NH-55) to 4-lane in the State of Odisha under NHDP-III on EPC Mode Package-II- **Proposal for crossing of 600 mm dia slurry pipeline with OFC duct through 1000 mm dia casing pipe from RHS to LHS of NH-55 at chainage 77.975 from proposed MTPA iron ore beneficiation plant located at village- Bhanjapalli and Teherei to Dhenkanal Steel Plant of M/s Rungta Mines Ltd.-Reg**

M/s Rungta Mines Ltd has submitted a proposal for crossing of 600 mm dia slurry pipeline with OFC duct through 1000 mm dia casing pipe from RHS to LHS of NH-55 at chainage 77.975. The details are as under:

Sl. No.	Chainage		Side	Length (m)	Remarks
	From	To			
1.	77+975		Crossing	60	Crossing of 600 mm dia slurry pipeline (casing 1000 mm dia) by HDD method

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](mailto:roodisha@nhai.org)

17.06.2021  
Chief General Manager (Tech) & RO  
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 crossing of 600 mm Ø Slurry Pipeline with <sup>40mm Ø</sup> OFC Duct through 1000 mm Ø Casing Pipe in the land of NH - 55 from RHS to LHS at Ch.- 77.975 Km. vested with NHAI.**

- **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/66/76 dated 11.05.1982
4. Ministry Circular No. RW/NH-11037/1/66-DOI(ii) 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-33044/29/2015/S&R(R) dated 22.11.2016
9. Ministry Circular No. RW/NH-37011/52/2020-BP&SP dated 15.01.2021



**Checklist for getting approval for NH crossing at 1 location for laying of Slurry Pipeline & OFC Duct in RoW of NH land.**

Sl. S	Item	Information/Status	Remarks
1	General Information	(A) Laying of 600 mm Ø Slurry Pipeline with 40 mm Ø OFC Duct through 1000 mm dia casing pipe from 34 MTPA Iron Ore Beneficiation Plant located at villages - Bhanjapalli & Teherei to Dhenkanal Steel Plant across NH - 55 at Km 77.975 from RHS to LHS.	
1.1	Name and Address of the Applicant / Agency	M/s Rungta Mines Limited (B&T Iron Ore Beneficiation Plant) Main Road, Barbil, Dist.-Keonjhar, Odisha-758035.	
1.2	National Highway Number	NH-55 (Old NH- 42)	
1.3	State	Odisha	
1.4	Location	Dhenkanal	
1.5	(Chainage in Km.)	Crossing @ 77.975 Km. (from RHS to LHS)	
1.6	Length in Meters.	60m X 1 crossing @ Km. 77.975	60 M
1.7	Width of available Row	60M	
	(a) Left side from centre line towards increasing chainage/km. direction	30m	
	(b) Right side from centre line towards increasing chainage/km. direction	30m	
1.8	Proposal to lay Slurry Pipeline & OFC Duct	only crossing	
	(a) Left side from center line towards increasing chainage/km direction.	NA	
	(b) Right side from center line towards increasing chainage/km direction.	NA	
1.9	Proposal to acquire land	Right to use of NH ROW as per P&MP Act is available for laying the pipelines (industrial corridor) across the NH ROW.	
	(a) Left side from centre line.	NA	
	(b) Right side from centre line.	NA	
1.10	Whether proposal is in the same side where land is not to be acquired	No	
	If not then where to lay the cable.	N/A	
1.11	Details of already laid services, if any, along the proposed route	Attached	Annexure-A
1.12	Number of lanes (2/4/6/8 lanes) existing	Existing 2 lanes & work under progress for upgradation of road upto 4 lanes.	
1.13	Proposed number of lanes(2 lane	4 lane with paved shoulder	

M/s. RUNGTA MINES LTD.  
(B&T Iron Ore Beneficiation Plant)

*[Signature]*  
Authorized Signatory


*[Signature]*  
AE (AE)

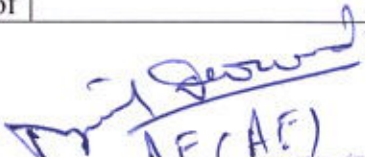
प्रबंधक (नगरिक)  
मानव संसाधन  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India

परियोजना निदेशक  
PROJECT DIRECTOR  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
पु. को. ३, द. कानाल / P.I.U., D

	with paved shoulders/4/6/8 lanes)		
1.14	Service road existing or not	No	
	If yes then which side		
	(a) Left side from center line		
	(b) Right side from center line		
1.15	Proposed service road	No	
	(a) Left side from centerline		
	(b) Right side from center line		
1.16	Whether proposal to lay Slurry pipeline & OFC Duct is after the service road or between the service road and main carriageway.	Only Crossing	
1.17	The permission for laying of Slurry Pipeline & OFC Duct shall be considered for approval/rejection based on the Ministry Circulars mentioned as above	Agreed	
(a)	Carrying of sewage/gas pipelines on highway bridges shall not be permitted as fumes /gases pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of water.	Agreed	
(b)	Carrying of Slurry pipeline 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 pipe line on independent superstructure, supported on extended portions of piers and abutments in such a manner that in the final arrangement enough free space around the superstructure of the bridge remains available for inspection and repairs etc.	Agreed	
(c)	Cost of required extension of the substructure as well as that of	Agreed	

M/s. RUNGTA MINES LTD.  
(B&T Iron Ore Beneficiation Plant)

  
Authorized Signatory

  
Manager (Tech)

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India

प्रियोजना निदेशक  
PROJECT DIRECTOR  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
दफ्तार / P.I.U., Dhenk



	the supporting superstructure shall be borne by the agency- in-charge of the utilities.		
(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.	Agreed	
1.18	If crossing of the road involved. If yes, it shall be either encased in pipes or through structure of conduits specially built for that purpose at the expenses of the agency owning the line.	Yes (Crossing @ Km. 77.975, HDD method shall be adopted (Methodology attached). & it shall be encased in MS pipe with 1600mm dia	
(a)	Existing drainage structures shall not be allowed to carry the lines.	Agreed (No drain structure involved)	
(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.	Agreed	( > 15m )
(d)	The casing pipe (or conduit pipe in the case of electric power 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	
(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/conduit pipe should, as minimum extend from drain to drain in cuts and toe of 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	Agreed	

M/s. RUNGTA MINES LTD.  
(B&T Iron Ore Beneficiation Plant)

*[Signature]*  
Authorized Signatory

*[Signature]*  
AE (AE)

प्रबंधक (तकनीकी)  
Manager (Tech.)  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
प.का.इ. देहली

परियोजना निदेशक  
PROJECT DIRECTOR  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
प.का.इ., देहली

	below the drain inverts.		
(h)	Crossing shall be by boring method (HDD) especially 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 throughout its length and in such a manner as to prevent the formation of a waterway along it.	Agreed	
2	Document / Drawings enclosed with proposal	Enclosed	
2.1	Cross section showing the size of trench for open trenching method. (Is it normal size of 1.2m deep X 0.3m wide).	Enclosed	
(i)	Should not be greater than 60cm. Wider than the outer diameter of the pipe.	Agreed	
(ii)	Located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the centre-lines of the nearest carriageway.	Agreed	
(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 the pit and location of Pipes for HDD method	Enclosed	
2.3	Strip plan / Route plan showing Slurry Pipeline & OFC Duct chainage, width of ROW, distance of proposed pipe line from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Enclosed	

M/s. RUNGTA MINES LTD.  
(B&T Iron Ore Beneficiation Plant)

*[Signature]*  
Authorized Signatory

*[Signature]*  
RE(AE)

प्रबंधक (तकनीक)  
Manager (Tech)

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India

परियोजना निदेशक  
PROJECT DIRECTOR  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
देकानल / P.I.U., Dhe



2.4	Methodology for laying of pipelines.	Horizontal Directional Drilling method for laying of Pipelines across NH (Methodology Enclosed)	
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 of trench.	Agreed	
(a)	The trench width should be at least 30 cm, but not more than 60 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 to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material.	Agreed	
(c)	The backfill shall be completed in two stages (i) side-fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.	Agreed	
(d)	The side fill shall consist of granular material laid in 15cm 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.	Agreed	
(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.	Agreed	
(f)	The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	Agreed	

M/s. RUNGTA MINES LTD.  
(B&T Iron Ore Beneficiation Plant)

*[Signature]*  
Authorized Signatory

*[Signature]*  
RE(AE)

प्रबंधक (तकनीकी)  
Manager (Tech.)  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
प.का.ड., देहली/प.उ. धरमपुरा  
परियोजना निदेशक  
PROJECT DIRECTOR  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
प.का.ड., देहली/प.उ. धरमपुरा



(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 Enclosed	
2.4.3	Laying of Slurry Pipeline & OFC Duct through CD works and method of laying	At CD work location HDD Method will be adopted.	
(a)	On approaches, the Slurry Pipeline & OFC Duct shall be carried along a line as close to the edge of the right-of-way as possible up to a distance of 30 m from the bridge and subject to all other stipulations contained in this Ministry's guidelines issued with letter No. NH-HI/P/66/76 dated 19.11.1976.	Agreed	
3	Draft License Agreement signed by two witness	Agreed	
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, cleaning debris / loose earth produced due to execution 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.	Agreed	
4.1	Performance BG as per above is to be obtained.	Shall be submitted per extant guidelines	
4.2	Confirmation of BG has been obtained as per NHAI guidelines	Shall be submitted per extant guidelines	
5	Affidavit/Undertaking from the applicant for	Yes	
5.1	Not to damage to other utility, if damaged then to pay the losses	Yes	

M/s. RUNGTA MINES LTD.  
(B&T Iron Ore Beneficiation Plant)

Authorized Signatory

*M. D. D. D.*  
ME (AE)

परियोजना निदेशक  
PROJECT DIRECTOR  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
प्रबंधक (नियंत्रण) / Manager (Control)  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण / P.I.U., Dher

	either to NHAI or to the concerned agency.		
5.2	Renewal of Bank Guarantee.	Yes	
5.3	Confirming all standard condition of NHAI's guidelines.	Yes	
5.4	Shifting of Slurry Pipeline & OFC Duct as and when required by NHAI at their own cost.	Agreed	
5.5	Shifting due to 6 laning / widening of NH.	Agreed	
5.6	Indemnity against all damages and claims clause(24).	Yes	
5.7	Traffic movement during laying of Slurry Pipeline & OFC Duct 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 Slurry Pipeline & OFC Duct located in the National Highway right of ways.	Yes	
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 Slurry Pipeline & OFC Duct 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 repairs to the road, it shall be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time(not exceeding 60days) of the intimation given.	Agreed	
5.12	Certificate from the applicant in the following format (i) Laying of Slurry Pipeline & OFC Duct will not have	Enclosed	

M/s. RUNGTA MINES LTD.  
(B&T Iron Ore Beneficiation Plant)

*[Signature]*  
Authorized Signatory

*[Signature]*  
AE (AE)


*[Signature]*  
PROJECT DIRECTOR  
Manager (Technical) National Highways Authority  
Deekanal / P.I.U., D

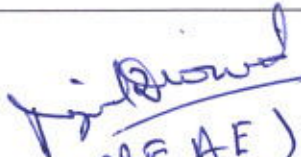


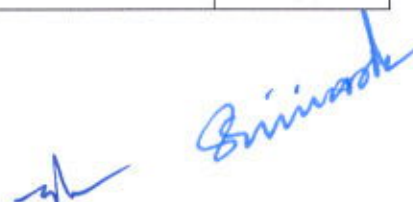


	<p>S&amp;R(B) dated 17.09.2003</p> <p>8. Ministry Circular No. RW/NH-33044/29/2015/S&amp;R (R) dated 22.11.2016</p> <p>9. Ministry Circular No. RW/NH-37011/52/2020-BP&amp;SP dated 15.01.2021.</p>		
7.2	<p>Certificate from PD in the following format</p> <p>(i) “ It is certified that any other location of the Slurry Pipeline, &amp; OFC Duct would be extremely difficult and unreasonable costly and the installation of Slurry Pipeline &amp; OFC Duct 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.”</p> <p>(ii) For 6- laning</p> <p>(a) Where feasible is available” I do certify that there will be no hindrance to proposed six-laning based on the feasibility report considering proposed structures at the said location.”</p> <p>(b) In case feasibility report is not available, “ I do</p>	<p>Enclosed</p> <p>Enclosed</p> <p>Enclosed</p>	

M/s. RUNGTA MINES LTD.  
(B&T Iron Ore Beneficiation Plant)

  
Authorized Signatory

  
(AE, AE)

  
Binimash



	certify that sufficient ROW is available at site for accommodating proposed six-laning."		
--	--	--	--

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 Licensee 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 up-gradation of [----- section from Km ----- to Km -----of NH NO.----- --on Build, Operate and Transfer Basis ] and therefore, the licensee shall honour the same."	NA	
9	Who will supervise the work of laying of Slurry Pipeline & OFC Duct	Rungta Mines Limited	
10	Who will ensure that the defects in road portion after laying of Slurry Pipeline & OFC Duct are corrected and if not corrected then what action will be taken.	Rungta Mines Limited	
11	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire.	Rungta Mines Limited	
12	A certificate from Project Director that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed).	Yes	
13	If any previous approval is accorded for laying of utilities, that photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed	Enclosed	

M/s. RUNGTA MINES LTD.  
(B&T Iron Ore Beneficiation Plant)

*[Signature]*  
Authorized Signatory

*[Signature]*  
(CE, AE)

प्रबंधक (तकनीकी)  
Manager (Tech.)  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India

*[Signature]*  
परियोजना निदेशक  
PROJECT DIRECTOR  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
जनरल / P.I.U., D