



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार))
National Highways Authority of India
(Ministry of Road Transport & Highways, Govt. of India)



क्षेत्रीय कार्यालय, ओडिशा / Regional Office, Odisha

301 - ए, तीसरी मंजिल, पाल हाईट्स, प्लॉट नं जे/ 7, जयदेव विहार, भुवनेश्वर - 751013, ओडिशा
301-A, 3rd Floor, Pal Heights, Plot No : J/7, Jayadev Vihar, Bhubaneswar- 751013, Odisha
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सत्यमेव जयते

NHAI/13011/54/RO/OD/3219 /2022

06.10.2022

To

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

Sub: Permission for providing approval of Right of Way (ROW) of 500mm on one side (RHS) for laying of water pipeline system within Utility Corridor of NH-215(New NH-520) from Km 174+700 to Km 191+000 in the state of Odisha for supply of water from Baitarini river to the proposed Iron Ore Pellet at Tanto, Barbil, Keonjhar and NH-Crossing at Km 190+800 for water pipeline and 132 kV power cable by M/s Narbheram Power and Steel Pvt. Ltd - reg

Sir,

Please find enclosed herewith a proposal of M/s Narbheram Power and Steel Pvt. Ltd for laying of 450mm dia water pipeline within Utility Corridor of NH-215(New NH-520) from Km 174+700 to Km 191+000 in the state of Odisha for supply of water from Baitarini river to the proposed Iron Ore Pellet at Tanto, Barbil, Keonjhar and NH-Crossing at Km 190+800 for water pipeline and 132 kV power cable (160mm*4). The details are as under:

Sl. No.	Chainage		Side	Length (m)	Width of Corridor (mm)	Remarks
	From	To				
1	174+700	181+500	RHS	6800	500	450mm dia water pipeline.
2	183+500	191+000	RHS	7500	500	450mm dia water pipeline.
3	190+800		Across	60	2995	Steel Casing pipe of 675mm dia, 132Kv power cable(160mm*4)

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 host 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, Bhubaneswar.

Yours faithfully,


(D.K. Patra)
Manager (Tech)



सत्यमेव जयते

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण (सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार) National Highways Authority of India (Ministry of Road Transport & Highways, Govt. of India)



क्षेत्रीय कार्यालय, ओडिशा / Regional Office, Odisha

301 - ए, तीसरी मंजिल, पाल हाइट्स, प्लॉट नं जे/7, जयदेव विहार, भुवनेश्वर - 751013, ओडिशा
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NHAI/13011/54/RO/OD/ 3218 /2022

06.10.2022

INVITATION OF PUBLIC COMMENTS

Sub: Permission for providing approval of Right of Way (ROW) of 500mm on one side (RHS) for laying of water pipeline system within Utility Corridor of NH-215(New NH-520) from Km 174+700 to Km 191+000 in the state of Odisha for supply of water from Baitarini river to the proposed Iron Ore Pellet at Tanto, Barbil, Keonjhar and NH-Crossing at Km 190+800 for water pipeline and 132 kV power cable by M/s Narbheram Power and Steel Pvt. Ltd - reg

M/s Narbheram Power and Steel Pvt. Ltd has submitted a proposal for laying of 450mm dia water pipeline within Utility Corridor of NH-215(New NH-520) from Km 174+700 to Km 191+000 in the state of Odisha for supply of water from Baitarini river to the proposed Iron Ore Pellet at Tanto, Barbil, Keonjhar and NH-Crossing at Km 190+800 for water pipeline and 132 kV power cable (160mm*4). The details are as under:

Sl. No.	Chainage		Side	Length (m)	Width of Corridor (mm)	Remarks
	From	To				
1	174+700	181+500	RHS	6800	500	450mm dia water pipeline.
2	183+500	191+000	RHS	7500	500	150mm dia water pipeline.
3	190+800		Across	60	2995	Steel Casing pipe of 675mm dia, 132Kv power cable(160mm*4)

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

NARBHERAM POWER AND STEEL PRIVATE LIMITED

79, Surya Nagar, Bhubaneswar, Odisha, 751003

Seeking ROW permission from 174+700.000 Km to 191+000.000 Km on NH-520 and NH-Crossing at chainage 190+800 km of NH-520 in the state of Odisha

CHECK -LIST

Guidelines for Project Directors for processing the proposal for laying of 450 mm dia water Pipeline system along NH-520 (RHS) and NH-Crossing for water line with 132 kv power cables

Relevant Circulars

- 1) Ministry Circular No. NH-41 (58)/68 dated 31.01.1969
- 2) Ministry Circular No. NH-3/P/66/76 dated 18/19 .11.1976
- 3) Ministry Circular No. RW/NH/-3/P/66/76 dated 11.05.1982
- 4) Ministry Circular No. RW/NH-11037/1/66-DOI (2) dated 28.07.1993
- 5) Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.01.1995
- 6) Ministry Circular No. RW/NH-34066/2/95/S&R dated 25.10.1999
- 7) Ministry Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.09.2003
- 8) Ministry Circular No. RW/NH-33044/29/2015/S&R* dtd 22.11.16

Check list for approval for Laying of Water Pipelines on NH Land and NH-crossing

SL.No.	Item	Information/status	Remarks
1	General Information	M/s Narbheram Power and Steel Private Limited have proposed to transport 2 cusec of water from Baitarani River to the proposed Pellet Plant in Tanto, Barbil and seeking Permission for laying 1 No. - 450 mm dia water pipeline along National Highway No-520 from Chainage 174.700 Km to Chainage 191.000 Km by Open Trench method and HDD method in general specific location like Bridge, Road etc & places where locational constraint exist and NH-Crossing at Km 190+800 from RHS to LHA, by Horizontal Directional Drilling (HDD) for one number steel casing pipe of 675 mm dia for water pipeline and 4 no 160 mm casing pipe for 132kv power cables	
1.1	Name and Address of the Applicant/Agency	M/s Narbheram Power and Steel Private Limited Plot No. -79, Surya Nagar, Bhubaneswar, Odisha, 751003	
1.2	National Highway Number	NH-215 (Revised NH-520)	
1.3	State	Odisha	
1.4	Location	Kandra to Tanto	
1.5	Chainage in km	Ch-174+700 Km to Ch-191+000 Km	
1.6	Length in Meters	14.300 Km	except JODA ROW
1.7	Width of ROW of NHAI Land		(151+500 to 182+000)
	(a) Left side from center line (towards increasing chainage/km direction)	09 mtr	
	(b) Right side from centre line (towards increasing chainage /km direction)	09 mtr	
1.8	Proposal to lay underground water pipeline	YES	
	(a) Left side from center line towards increasing chainage/km direction	NA	

Acting Team Leader

NARBHERAM POWER AND STEEL PRIVATE LIMITED
PROJECT DIRECTOR
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highway Authority of India
न. ३. ग. ३. ३. ३.

1.18	If crossings of the road involved - If Yes , it shall be either encased in pipes or through structure or conduits specially built for the purpose at the expenses of the agency owning the line	YES, Crossing at Km 190+800	Encased
	(a) Existing drainage structures shall not be allowed to carry the lines.	Yes, agreed to comply	-
	(b) Is it on the 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.	Distance from the existing structure is more than 15 meter.	
	(d) The casing pipe (or conduit pipe in 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 is STEEL PIPE for carrier pipe and CONDUIT PIPE for fiber optic 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/conduit pipe should ,as minimum extend from drain to drain in cuts and toe of slope toe of 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 M below the drain inverts.	Yes, agreed to comply	-
	(h) Crossing shall be boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Yes, agreed to comply	-
	(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 water way along it.	Yes, agreed to comply	-
2	Document/drawings enclosed with a proposal	Yes	-
2.1	Cross section showing the size of trench for open trenching method (is it normal size of 1.5 m deep x 1.5 m wide)	Yes, Drawing attached	-
	(a) Should not be greater than 80 Cm wider than the outer diameter of the pipe	Yes, agreed to comply	-
	(b) located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the center lines of the nearest carriageway	Yes, agreed to comply	-
	(c) Shall not be permitted to run along the National Highways when the road formation is suited in double cutting .Nor shall these be laid over the existing culverts and bridges.	Yes, agreed to comply	-
	(d) These should be so laid that their top is at least 0.6 m 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 pipeline ,chainage, width of ROW, distance of proposed , pipeline from the edge of ROW ,important milestone , intersections, cross drainage works etc.		

Acting Team Leader

Narbheram Power Limited
 PROJECT DIRECTOR
 National Highways Authority of India
 12.11.20

2.4	Methodology for laying water pipeline	Submitted	-
	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	Yes, agreed to comply	-
	(a) The trench width should be atleast 90 cm , but not more than 150 cm wider than the outer diameter of pipe	Yes, agreed to comply	-
	(b) For filling of the trench ,Bedding should be a depth of not less than 30 cm. It shall consists of granular materials ,free of lumps,clods and cobbles and graded too	Yes, agreed to comply	-
	(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 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 build to the same strength as the existing crust on either side on the trench .	Yes, agreed to comply	-
	(f) The excavation shall be protected by flagman , signs and barricades , and red lights during night hours.	Yes, agreed to comply	-
	(g) If required , a diversion shall be constructed at the expense of the agency owning the utility line	Yes, agreed to comply	-
2.4.2	Horizontal Directional Drilling (HDD) Method	YES, HDD Method	-
2.4.3	Laying of Water pipeline through CD works and method of laying	At all CD work locations HDD method will be adopted.	-
	(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 m from the bridge and subject to all other stipulations contained in this Ministry's guidelines issued with letter No. H1/P/66/76 dated 19.11.1976.	Yes, agreed to comply	-
3	Draft License Agreement signed by two witnesses	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 cables/ducts by proper filling and compaction ,clearing debris/loose earth produced due to excavation of trenching at least 50 m away from the edge of the right of way . No payment shall be payable by the NHAI to the license for clearing debris/loose earth.	Yes, agreed for submission of Performance BG as per latest MoRTH /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, agreed for submission	-

Acting Team Leader



5	Affidavit/Undertaking from the applicant	Yes, agreed for submission	-
5.1	Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency	Yes, agreed to comply	-
5.2	Renewal of Bank Guarantee	Yes, agreed to comply	-
5.3	Confirming all standard condition of NHAI's guideline	Yes, agreed to comply	-
5.4	Shifting of water pipeline as and when required by NHAI at our own cost	Yes, agreed to comply	-
5.5	Shifting due to 6 lanning/widening of NH	Yes, agreed to comply	-
5.6	Indemnity against all damages and claims clause (24)	Yes, agreed to comply	-
5.7	Traffic movement during laying of Water pipeline to be managed by the applicant.	Yes, agreed to comply	-
5.8	If any claim is raised by the concessionaire then the same has to be paid by the applicant.	Yes, agreed to comply	-
- 9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing water pipeline located in the National Highway right-of-way.	Yes, agreed to comply	-
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 water pipeline will be done by the agency owning the lline	Yes, agreed to comply	-
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 will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a resonable time (not exceeding 60 days) of the intimation given.	Yes, agreed to comply	-
.2	Certificate from the applicant in the following format (1) laying of water pipelines will not have any deleterious effects on any of the bridge components and roadway safety for traffic (2) for 6 lanning "we do undertake that I will relocate service road/approach road/utilities at my own cost not withstanding the permission granted within such time as will be stipulated by NHAI for future six-lanning or any other developemnt"	Yes, agreed & submitted	-
6	Who will sign the agreement on behalf of Iron Ore Slurry pipelines agency	Authorised Signatory (Mr. Smrutiranjana Dash , VP-Projects)as appointed by NPSPL and undertaking letter attached	-
7	Certificate from the project director	Attached	-
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/NH-34066/7/2003 S&R(B) dated 17.9.2003	Attached	-

L. N. Malviya Infra Projects Pvt. Ltd.

Acting Team Leader



परियोजना निदेशक
PROJECT DIRECTOR
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
ज. ड. राउरकेल / P. U. Rourkela

7.2	Certificate from PD in the following format (1) "It is certified that any other location of the water pipelines would be extremely difficult and unreasonable costly and the installation of Iron Ore Slurry cum return water pipeline within ROW will not adversely affect improvement such as widening of the carriageway ,easing of curve etc. " (2) for six-lanning (a) where feasibility is available " I do certify that there will be no hindrance to proposed six lanning based on the feasibility report considering proposed structures at the said location " (b) in case feasibility report is not available" I do certify that sufficient ROW is available at site for accomodating proposed six-lanning.	Attached	-
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 permission to lay Iron Ore Slurry pipeline may likely to be handed over to the concessionaire under the concession agreement for up-gradation of.....[section from Km of NH Noon build ,Operate and Transfer Basis] and therefore , the licensee shall honour the same. "	NA	-
9	who will supervise the work of laying water pipeline	M/s Narbheram Power and Steel Private Limited as per the direction of NHAI Authority.	-
10	Who will ensure that the defects in road portion after laying of Water pipeline are corrected and if not corrected then what action will be taken.	As NHAI Authority would instruct accordingly M/s Narbheram Power and Steel Private Limited shall comply.	-
	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire.	M/s Narbheram Power and Steel Private Limited Plot No. -79, Surya Nagar, Bhubaneswar, Odisha , 751003	-
12	A certificate from PD 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 underground pipeline then photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed	NO	-

L. N. Mahiya Infra Projects Pvt. Ltd.

Acting Team Leader



परमाण्वीय निरीक्षक
PROJECT DIRECTOR
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India

Details of Already Approved/Laid Services

Narberham Power and Steel Pvt. Ltd 174+700Km to 191+000 Km Annexure-A									
Details of Already Approved/Laid Services									
Sl.no	Location	LHS/RHS	Section & Reach	Kind of Service	Name	Agreement Signed	Agreement Expired	Remarks	
1	169+100 to 174+100	LHS	NH-215	Water Pipeline	M/s RWSS Keonjhar			600mm ROW Utilised	
	174+100 to 178+325	RHS							
	185+100 to 192+700	RHS							
	192+700 to 205+200	LHS							
2	173+600 to 174+600 & c-174+600	RHS	NH-215	Water Pipeline	M/s JSW USL	26.07.2022	26.07.2027	1000mm along & 1300mm across approved vide RO Letter 97 dated 13.01.2022	
	174+600 to 181+500 & c-181+500	LHS							
	c-183+500, 183+500 to 204+500 & c-204+600	LHS							
3	163+000 to 182+300 & 1 crossing	RHS	NH-215	Iron Ore Slurry Pipeline	M/s TATA STEEL Ltd.			Approved 1000mm vide RO Letter 1217 dated 23.06.2020 and 500mm vide RO Letter 1947 dated 26.07.2021	
4	163+000 to 187+000	RHS	NH-215	Slurry pipeline with OFC Duc	M/s RUNGTA MINES Ltd.	22.06.2022	22.05.2027	Approved 900mm vide RO Letter 424 dated 09.02.2022	
5	173+425 to 178+375	RHS	NH-215	Water Pipeline	M/s JSPL, Barbil	19.06.2015	19.06.2020	610 mm	
6	178+324 to 185+085	RHS	NH-215	Iron Ore slurry pipeline and Return water pipeline	M/s JSPL, Angul	11.12.2014	11.12.2019	500+500	
7	185+000 to 215+000	RHS	NH-215	Iron Ore Slurry pipeline and return water pipeline.	M/s Orissa Metaliks Ltd			Approved 1.468m ROW vide RO Letter 704 dated 09.03.2021	
8	187.000 to 209.400 Crossing-209+400	RHS	NH-215	Water pipeline Iron Ore Slurry pipeline. Tailing pipeline, Return water	M/s RUNGTA MINES Ltd.	06.08.2021	06.08.2026	Approved varied ROW(varying from 1000 to 3500mm) vide RO Letter No. 1109 dated 12.04.2021	
	209.400 to 213.000 Crossing-213+000	RHS							
	208+000 to 259+453	LHS							

Details of Service Roads

Sl.no	Design Chainage		Length(m)	Side
	From	To		
1	178+120	180+260	2140.000	Urban
2	184+650	185+450	800.000	
3	188+400	189+330	700.000	BS/(UDF LHS)
4	199+620	201+050	1430.000	BS/(UDF RHS)
				VUP