



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/ 2816/2019

31.12.2019

To

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

Sub: Four laning of Panikoli- Rimuli section of NH-215 from Km.0.000 to Km.163.000 (Design chainage Km.0.000 to Km.166.173) in the State of Odisha to be executed as BoT (Toll) on DBFOT pattern under NHDP Phase-III- NOC proposal for RoW permission for laying of water supply pipelines of DI & HDPE pipes of maximum dia 700 mm under Mega Rural piped water supply project consisting of 589 Nos. of villages under Champua, Jhumpura, Keonjhar & Banspal Blocks of Keonjhar Districts from Ch. Km. 105+120 to 122+530, Ch. Km.125+300 to 134+220, Ch. Km.135+900 to 151+530, Ch. Km. 154+920 to 157+400 & Ch. Km.161+800 to 166+200 all RHS with total Kms as 48.840 (with 29 nos of crossing) along NH-215 as sought by the Executive Engineer, RWS&S Division, Keonjhar, Govt. of Odisha-Reg

Sir,

Please find enclosed herewith a proposal of Executive Engineer, RWS&S Division, Keonjhar for RoW permission for laying of water pipeline of DI & HDPE pipes of maximum dia 700 mm under Mega Rural piped water supply project consisting of 589 Nos. of villages under Champua, Jhumpura, Keonjhar & Banspal Blocks of Keonjhar Districts from Ch. Km. 105+120 to 122+530, Ch. Km.125+300 to 134+220, Ch. Km.135+900 to 151+530, Ch. Km. 154+920 to 157+400 & Ch. Km.161+800 to 166+200 all RHS with total Kms as 48.840 (with 29 nos of crossing) along NH-215050. The details are as under:

Sl. No.	Description	Chainage		Dia (in mm)	Dia of casing pipe (mm)	LHS/RHS
		From	To			
1.	Along NH	105+120	107+739	75	---	RHS
2.		107+739	109+510	90		
3.		109+510	110+000	110		
4.		110+000	113+430	100		
5.		113+430	115+180	110		
6.		115+180	118+350	310		
7.		118+350	120+690	150		
8.		120+690	122+530	125		
9.		125+300	127+724	90		
10.		127+724	129+100	260		
11.		129+100	130+150	150		
12.		130+150	130+980	225		
13.		130+980	131+580	360		
14.		131+580	133+630	110		
15.		133+630	134+220	75		
16.		135+900	136+370	210		
17.		136+370	138+520	460		
18.		138+520	139+230	425		
19.		139+230	151+530	700		
20.		154+920	157+030	160		

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Website : http://www.nhai.org

21.		157+030	157+400	75		
22.		161+800	165+090	110		
23.		165+090	165+310	250		
24.		165+310	166+200	150		
1.		105+550		75	150	
2.		106+669		75	150	
3.		107+590		75	150	
4.		108+012		75	150	
5.		108+498		75	150	
6.		109+714		75	150	
7.		109+912		75	150	
8.		113+390		75	150	
9.		115+208		160	250	
10.		116+973		100	150	
11.		117+685		110	200	
12.		118+300		110	200	
13.		120+690		125	200	
14.		127+060		90	150	
15.	Crossing NH	127+724		75	150	
16.		128+960		75	150	
17.		130+980		150	250	
18.		131+520		90	150	
19.		133+730		75	150	
20.		136+370		100	150	
21.		136+600		90	150	
22.		139+230		500	900	
23.		142+940		150	250	
24.		144+630		150	250	
25.		148+680		90	150	
26.		151+630		700	1100	
27.		154+930		75	150	
28.		162+010		75	150	
29.		165+320		160	250	

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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INVITATION OF PUBLIC COMMENTS

Sub: Four laning of Panikoli- Rimuli section of NH-215 from Km.0.000 to Km.163.000 (Design chainage Km.0.000 to Km.166.173) in the State of Odisha to be executed as BoT (Toll) on DBFOT pattern under NHDP Phase-III- NOC proposal for RoW permission for laying of water supply pipelines of DI & HDPE pipes of maximum dia 700 mm under Mega Rural piped water supply project consisting of 589 Nos. of villages under Champua, Jhumpura, Keonjhar & Banspal Blocks of Keonjhar Districts from Ch. Km. 105+120 to 122+530, Ch. Km.125+300 to 134+220, Ch. Km.135+900 to 151+530, Ch. Km. 154+920 to 157+400 & Ch. Km.161+800 to 166+200 all RHS with total Kms as 48.840 (with 29 nos of crossing) along NH-215 as sought by the Executive Engineer, RWS&S Division, Keonjhar, Govt. of Odisha- Reg

Executive Engineer, RWS&S Division, Keonjhar has submitted a proposal for RoW permission for laying of water supply pipelines of DI & HDPE pipes of maximum dia 700 mm under Mega Rural piped water supply project consisting of 589 Nos. of villages under Champua, Jhumpura, Keonjhar & Banspal Blocks of Keonjhar Districts from Ch. Km. 105+120 to 122+530, Ch. Km.125+300 to 134+220, Ch. Km.135+900 to 151+530, Ch. Km. 154+920 to 157+400 & Ch. Km.161+800 to 166+200 all RHS with total Kms as 48.840 (with 29 nos of crossing) along NH-215050. The details are as under:

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1.	Crossing NH	105+550		75	150	--
2.		106+669		75	150	

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26.		151+530	700	1100
27.		154+930	75	150
28.		162+010	75	150
29.		165+320	160	250

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,
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CHECK-LIST

Guidelines for Project Director for processing the proposal for laying of water pipeline in the land along National Highways vested with NHAI

Certificate for conforming of all standard condition issued vide

1. Ministry Circular no.NH-51(58)/68, Dt.21.01.1969,
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 11.5.1982,
4. Ministry circular no.RW/NH-11037/1/86-DOI (ii),dt.28.07.1993,
5. Ministry Circular no.RW/NH-11037/1/86-DOI,Dt.19.1.1995,
6. Ministry circular no.RW/NH-34066/2/95/S&R,dt.25.10.1999,
7. Ministry circular no.RW/NH-34066/7/2003 S&R(B),dt.17.09.2003,
8. Ministry circular no.RW/NH-33044/29/2015/S&R(R) dt. 22nd November 2016,

Check list for getting approval for laying of water pipeline on NH land.			
Sl.No.	Item	Information/Status	Remarks
1	General Information	Augmentation of Rural PWS project to 22 GP's of Champua Block, 22 GP's of Jhumpura Block, 25 GP's of Keonjhar Block, 21 GP's of Banspal Block Under Keonjhar District.	
1.1	Name & Address of the applicant /Agency	Executive Engineer, RWS&S Division, Keonjhar	
1.2	National Highway Number	215	
1.3	State	Odisha	
1.4	Location	Rimuli - Gopalpur section	
1.5	Chainnage in KM	From 105.120 km to 166.200 km	
1.6	Length in Kilometres	48.84 KM	
1.7	Width of available ROW	60 Mtr.	
	a)Leftside from Centre line towards chainnage /KM/Direction	Yes, 30 m.	
	b)Rightside from Centre line towards increasing chainnage /KM/Direction	Yes, 30 m.	
1.8	Proposal to lay underground Pipeline	Yes	
	a)Leftside from Centre line towards increasing chainnage /KM/Direction	NA	
	b)Rightside from Centre line towards increasing chainnage /KM/Direction	Yes, 28-30 m.	
1.9	Proposal to acquire land	No	
	a)Leftside from cente line		
	b)Rightside from Centre 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 pipeline	NA	
1.11	Details of already laid services, if any along the proposed route	Already laid from Ch.130.960 to Ch.145.700 & Ch.148.900 to Ch.166.200 (RHS)	
1.12	Number of lanes (2/4/6/8 lanes) existing	2 Lanes	
1.13	Proposed no. of lanes (2 lane with paved shoulders /4/6/8 lanes)	NA	
1.14	Service road existing or not	Yes	
	If yes then which side		
	a)Leftside from centre line	28 m	
	b)Rightside from centre line	28 m	

Project Director
Project Implementation Unit
National Highway Authority of India
RWS & S Division, Keonjhar
13/11/24

Sl.No.	Item	Information/Status	Remarks
1.15	Proposed Service road	NA	
	a) Leftside from centre line b) Rightside from Centre line		
1.16	Whether proposal to lay water pipeline shall be considered for approval/rejection based on the Ministry circulars mentioned as above	Yes	
	a) Carrying of Sewage/gas pipeline 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	NA	
	b) Carrying of water pipeline on bridges shall also be discouraged. However, if the water supply authority seem to have no other viable alternative and approach the highway authority well in the before the design of the bridge is finalized, they may be permitted to carry the pipeline on Independent super structure, 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 & repairs, etc	Yes, Agreed.	
	c) Cost of required extension of the sub-structure as well as that of the supporting superstructure shall be borne by the agency in charge of the utilities	Yes, Agreed.	
	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 concurrence of the Ministry's project Chief Engineers only.	Yes, Agreed.	
	If crossings of the road involved	29 Nos.	
	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	Encasing pipe dia = 1.5 times dia of pipe	
	a) Existing drainage structures shall not be allowed to carry the lines.	Yes, Agreed.	
	b) Is it on a line normal to NH	Yes	
	c) Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 metres. What is the distance from the existing structures.	More than 15 metres at all our crossing locations.	

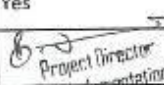

Project Director
Project Implementation Unit
National Highway Authority of India
KINJAR

Executive Engineer
RWS & S Division, Keonjhar

1.17	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 & Made of MS	
	e)Ends of the casing/conduit pipe shall be sealed from the outside ,so that it doesnot act as drainage path.	Yes, Agreed.	
	f)The casing/conduit pipe should,as minimum extend fro drain to drain in cuts and toe of slope toe of the slope in the fills.	Yes, Agreed.	
	g)The top of the casing /conduit pipe should be atleast 1.2 meter below the surface of the road subject to being atleast 0.3 m below the drain inverts.	Yes,Agreed.	
	h)Crossing shall be by boring method (HDD) specially where the existing road pavement is of cemet concrete or dense bituminous concrete type.	Yes, Agreed.	
	i)The casing/Conduit pipe shall be installed with an even bearing throughout its length & in such a manner as to prevent the formation of a water way along it.	Yes, Agreed.	
2	Documents/drawings enclosed with the proposal	Yes,Enclosed	
2.1	Crossing-Section showing the trench for open trenching method (is it normal size of 1.2 m deep x 0.8 m wide)		
	(i)Should not be greater than 80 cm wider than the other diameter of the pipe.	Yes,Agreed.	
	(ii)Located as close to the extreme edge of the Right of way as possible but not lessthan 15 meter from the centre lines of the nearest carriage way.	Yes, Agreed	
	(iii)Shall not be permitted to run along the National Highway when the road formation is situated in double cutting .Not shall these be laid over the existing culverts & bridges.	Yes, Agreed.	
	(iv)These should be so laid that their top is atleast 0.6 m below the ground level so as not to obstruct the drainage of the road land.	Yes,Agreed.	
2.2	Cross-Section showing the size of pit & location of pipeline for HDD method.	Enclosed	


 Project Director
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 KENDUJHAR


 Executive Engineer
 RWS & S Division, Keonjhar

2.3	Strip plan/Route plan showing water pipeline, Chainage, width of ROW, distance of proposed pipelines from the edge of ROW, important milestones, intersections, cross drainage works etc.	Enclosed	
2.4	Methodology for laying of water pipeline	Open cut method	
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 the trench.		
	(a) The trench width should be atleast 30cm, but not more than 60 cm wider than the outer diameter of the pipe.	Yes, Agreed.	
	(b) For filling of the trench bedding shall be to a depth of not less than 30 cm. 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.	Yes	
	(c) The backfill shall be completed in two stages		
	(i) Sidefill to the level of the top of the pipe and	Yes	
	(ii) Overfill to the bottom of the road crust.		
	(d) The side fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tamping 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 of ponding will not be permitted.	Yes	
	(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.	Yes	
	(f) The excavation shall be protected by flagman, signs and barricaded and red lights during night hours.	Yes	
	(g) If required, a diversion shall be constructed at the expense of agency owning the pipelines.	Yes	
2.4.2	Horizontal directional drilling (HDD) method.	Yes	
	Laying of Water pipeline through CD works and method of laying	 Project Director Project Implementation Unit National Highway Authority of India	 Executive Engineer RWS & S Division, Keonjhar

Project Implementation Unit
National Highway Authority of India

RWS & S Division, Keonjhar

2.4.3	(a) On approach, the pipeline shall be carried along a line as close to the edge of the right-of-way as possible upto a distance of 30m from the bridge & subjected to all other stipulations contained in this Ministry's guidelines issued with letter no.NH-HI/P/66/76,dated 19.11.1976.	Yes, Agreed.	
3	Draft license agreement signed by two witness	Yes	
4	Performance Bank gurantee in favour of NHAI has to be obtained @Rs.100/- 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 excavated trench for laying pipeline by proper filling and compaction, clearing debris/ loose earth produced due to execution of trenching atleast payment shall be payable by the NHAI to the licensee for clearing debris/loose earth.	Yes, agreed to pay as per MORTH guidelines.	
4.1	Performance BG as per above is to be obtained	Will be obtained after technical clearance from RO-NHAI.	
4.2	Confirmation of BG has been obtained as NHAI guidelines	Yes, Will be obtained after technical clearance from RO-NHAI.	
5	Affidavit/Undertaking from the applicant for	Yes, RWS & S Keonjhar	
5.1	not to damage to other utility, if damaged then to pay the losses wither to NHAI or to the concerned agency.		
5.2	Renewal of Bank Guarantee	Will be ensured.	
5.3	Confirming all standard condition of NHAI's guideline	YES, Agreed & Confirmed.	
5.4	Shifting of Water pipeline as and when required by NHAI at their own cost.	Yes, Agreed.	
5.5	Shifting due to 6 lanning/widening of NH	Yes	
5.6	Indemnity against all damages and claims clause (xxiv)	Yes	
5.7	Traffic movement during laying of water pipeline to be managed by the applicant.	Yes	
5.8	If any claims 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 water pipeline located in the National Highway right-of-way.	Yes	

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KEONJHAR

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RWS & S Division, Keonjhar

5.10	Expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by laying, Maintenance or shifting of the water pipeline will be borne by the agency owning them.	Yes	
5.11	If the NHAI consider it necessary in future to move the pipelines 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 pipelines.	Yes	
5.12	Certificate from the applicant in the following format	Yes	
	(i) Laying of pipelines will not have any deleterious effects on any of the bridge components and road way safety for traffic.		
	(ii) For 6 lanning we do under take that I will relocate pipelines at my own cost notwithstanding the permission granted such time will be stipulated by NHAI for future six-lanning, any other development.		
6	Who will Sign _____	The Executive Engineer RWS&S, Govt. of Odisha, Keonjhar	
7	Certificate from the project Director		
7.1	Certificate for conforming of all standard condition issued vide ministry Circular no.NH-51(58)/68, Dt.21.01.1969, Ministry circular no.RW/NH/-III/P/66/76, dated 18/19.11.1976, Ministry circular no.RW/NH-III/P/66/76, dated 11.5.1982, Ministry circular no.RW/NH-11037/1/86-DOI (ii), dt.28.07.1993, Ministry Circular RW/NH-11037/1/86-DOI, Dt.19.1.1995, Ministry circular RW/NH-34066/2/95/S&R(B), dt.17.09.2003, 1. Ministry circular no.RW/NH-33044/29/2015/S&R(R) dt. 22nd November 2016	Yes	
7.2	Certificate from PD in the following format (i) "It is certified that any other location of the water pipeline would be extremely difficult & unreasonably costly and the installation of water pipeline with ROW will not adversely affect the design stability & traffic safety of the highway nor the likely future improvement such as widening of carriage way, easing of curve etc., (ii) for 6-lanning	Yes	


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	(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.	NA	
	(b) Incase feasibility report is not available "I do certify that sufficient ROW is available at site for accomodating proposed 6-lanning."	NA	
8	If NH section proposed to be taken upto NHAI on BOT basis - a clause is to be inserted in the agreement . "The permitted highway on which license has been granted the right way to lay water pipeline also been granted as a way to the concessionaire under the concession agreement for upgradation in PANIKOLI - RIMULI section From 105+120 km to 166+200 kmof NH-215 on build ,operate & transfer basis & therefore , the license shall honour the same."	YES	
9	Who will supervise the work of laying of water pipeline ?	L&T Construction Ltd.	
10	Who will ensure that the defects in road portion after laying of water pipeline are corrected and if not then what action will be taken.	L&T Construction Ltd.	
11	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire.	RWS & S ,Keonjhar	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permission ie The prescribed proforma (copy enclosed)		
13	If any previous approvals accorded for laying of underground water supply pipeline the photocopy of register of records of permission accorded as maintained by PD then copy to be enclosed.		


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 National Highway Authority of India
 KEONJHAR


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 RWS & S Division, Keonjhar