



# 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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वेबसाइट/Website : http://www.nhai.org



NHAI/13011/54/RO/OD/ 195 /2022

20.01.2022

To

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

Sub: Permission for laying and crossing of water pipeline at chainage 0.000 to 21.200 of NH-53 on LHS & RHS (from Chandikhole towards Paradeep) in Jajpur District- reg

Ref: 1. PD, PIU- Bhubaneswar letter No.1508 dated 03.12.2021  
2. Supervision Consultant (MSV) letter No.125 dated 19.11.2021  
3. Superintending Engineer, RWSS Division, Jajpur letter No. 2084 dated 25.10.2021

Sir,

Please find enclosed herewith a proposal of Superintending Engineer, RWSS Division, Jajpur for laying and crossing of water pipeline at chainage 0.000 to 21.200 of NH-53 on LHS & RHS (from Chandikhole towards Paradeep) in Jajpur District.

2. The details of crossing along NH-53 from ch. 0+000 km to 21+200 km is as under:

Sl No	NH Pipe Crossing Details	Clear Dia of Pipe	Casing Pipe	Length of pipe line(m)
	(Chainage)	MS	MS	
1	0+500	150mm	350mm	90
2	2+253	100mm	300mm	118
3	2+650	100mm,	500mm	118
4	5+100	100mm	300mm	102
5	6+400	350mm, 100mm	700mm	106
6	9+565	100mm	300mm	106
7	10+953	300mm, 150mm	700mm	106
8	13+200	150mm	350mm	362
9	16+450	150mm	350mm	88
10	18+126	200mm	400mm	88

2.1. Details of pipeline LHS row along NH-53 from ch 0+000 km to 21+200 km (distribution network) is as under:

*Handwritten signature*

SI No	Dia of pipe	ROW	Clear Dia of Pipe	Casing Pipe
	(DI)	From (CH)	To (CH)	MS
1	100mm	0+000	0+400	Nil
2	150mm	0+400	0+500	Nil
3	100mm	0+500	3+800	Nil
4	100mm	6+300	6+400	Nil
5	150mm	6+400	7+200	Nil
6	100mm	7+200	8+000	Nil
7	100mm	9+200	11+200	Nil
8	100mm	11+700	12+200	Nil
9	100mm	12+900	13+500	Nil
10	100mm	14+200	17+000	Nil
11	100mm	17+700	18+100	Nil
12	200mm	18+100	18+600	Nil
13	150mm	18+600	20+000	Nil
14	100mm	20+000	21+200	Nil

2.2. Statement for pipeline LHS ROW along NH-53 from ch 2+200 km to 2+700 km (Clear water rising main) is as under:

SI No	Dia of pipe	ROW	Clear Dia of Pipe	Casing Pipe
	(DI)	From (CH)	To (CH)	MS
1	100mm	2+200	2+700	Nil

2.3. Statement for pipeline RHS ROW along NH-0+000 from Ch 21+200 (Distribution network):

SI No	Dia of pipe	ROW	Clear Dia of Pipe	Casing
	(DI)	From (CH)	To (CH)	MS
1	150mm	0+000	0+500	Nil
2	100mm	0+500	3+800	Nil

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3	100mm	6+300	8+000	Nil
4	150mm	9+200	11+100	Nil
5	100mm	11+100	11+200	Nil
6	100mm	12+900	13+200	Nil
7	100mm	14+200	15+600	Nil
8	150mm	15+600	16+500	Nil
9	100mm	16+500	17+000	Nil
10	100mm	17+700	18+100	Nil
11	150mm	18+100	19+900	Nil
12	100mm	19+900	21+200	Nil

3. Accordingly, as per guidelines issued by MoRT&H 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,

  
 (Sanjay Channa)  
 DGM (Tech)





# 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

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भारतमाला



BHARATMALA  
ROAD TO PROSPERITY

NHAI/13011/54/RO/OD/ 194 /2022

20.01.2022

### INVITATION OF PUBLIC COMMENTS

Sub: Permission for laying and crossing of water pipeline at chainage 0.000 to 21.200 of NH-53 on LHS & RHS (from Chandikhole towards Paradeep) in Jajpur District - reg

Superintending Engineer, RWSS Division, Jajpur has submitted a proposal for issuance of NOC for laying and crossing of water pipeline at chainage 0.000 to 21.200 of NH-53 on LHS & RHS (from Chandikhole towards Paradeep) in Jajpur District

2. The details of crossing along NH-53 from ch 0+000 km to 21+200 km is as under:

Sl No	NH Pipe Crossing Details	Clear Dia of Pipe	Casing Pipe	Length of pipe line(m)
	(Chainage)	MS	MS	
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6	9+565	100mm	300mm	106
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2.1. Details of pipeline LHS row along NH-53 from ch 0+000 km to 21+200 km (distribution network) is as under:

Sl No	Dia of pipe	ROW	Clear Dia of Pipe	Casing Pipe
	(DI)	From (CH)	To (CH)	MS
1	100mm	0+000	0+400	Nil
2	150mm	0+400	0+500	Nil
3	100mm	0+500	3+800	Nil
4	100mm	6+300	6+400	Nil



5	150mm	6+400	7+200	Nil
6	100mm	7+200	8+000	Nil
7	100mm	9+200	11+200	Nil
8	100mm	11+700	12+200	Nil
9	100mm	12+900	13+500	Nil
10	100mm	14+200	17+000	Nil
11	100mm	17+700	18+100	Nil
12	200mm	18+100	18+600	Nil
13	150mm	18+600	20+000	Nil
14	100mm	20+000	21+200	Nil

2.2. Statement for pipeline LHS ROW along NH-53 from ch 2+200 km to 2+700 km (Clear water rising main) is as under:

Sl No	Dia of pipe	ROW	Clear Dia of Pipe	Casing Pipe
	(DI)	From (CH)	To (CH)	MS
1	100mm	2+200	2+700	Nil

2.3. Statement for pipeline RHS ROW along NH-0+000 from Ch 21+200 (Distribution network):

Sl No	Dia of pipe	ROW	Clear Dia of Pipe	Casing
	(DI)	From (CH)	To (CH)	MS
1	150mm	0+000	0+500	Nil
2	100mm	0+500	3+800	Nil
3	100mm	6+300	8+000	Nil
4	150mm	9+200	11+100	Nil
5	100mm	11+100	11+200	Nil
6	100mm	12+900	13+200	Nil
7	100mm	14+200	15+600	Nil
8	150mm	15+600	16+500	Nil
9	100mm	16+500	17+000	Nil

10	100mm	17+700	18+100	Nil
11	150mm	18+100	19+900	Nil
12	100mm	19+900	21+200	Nil

3. 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.

4. 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](mailto:roodisha@nhai.org)

This is issued with the approval of the "Regional Officer, NHAI, Regional Office, Odisha, Bhubaneswar".



DGM (Tech)  
National Highways Authority of India,  
Regional Office, Odisha  
301-A, 3rd Floor, Pal Heights,  
J/7, Jayadev Vihar, Bhubaneswar 751013



## LIST

Guidelines for Project Directors for processing the proposal for laying of water supply pipe line in the land along National Highways vested with NHAI.

### Relevant circulars

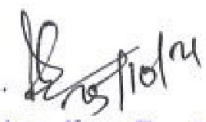
- 1) Ministry Circular No. NH-41 (58)/68 dated 31.01.1969
- 2) Ministry Circular No. NH-III/P/66/76 dated 18/19.11.1976
- 3) Ministry Circular No. RW/NH-III/P/66/76 dated 11.05.1982
- 4) Ministry Circular No. RW/NH-11037/86-DOI(ii) dated 28.07.1993
- 5) Ministry Circular No. RW/NH-11037/1/86/DOI dated 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

### Checklist for getting approval for laying of water supply pipe line on NH land No 53

Sl.No	Item	Information/ Status	Remarks
1.	General Information	Permission for laying of water pipeline at Chainage KM 0+000 to 21+200KM LHS: 100mm, 150mm, 200mm RHS: 100mm, 150 mm <b>Crossing of water pipe line of</b> 150mm dia at -0+500 100mm dia at -2+253 100mm, 100mm dia at -2+650 100mm dia at 5+100 350mm, 100mm dia at 6+400 100mm dia at -9+565 300mm, 150mm dia at -10+953 150mm dia at -13+200 150mm dia at -16+450 200mm dia at -18+126 On NH -53 In Jajpur District.	
1.1	Name and Address of the Applicant/Agency	Executive Engineer Rural Water Supply & Sanitation Division, Jajpur At.- Chandikhol	
1.2	National Highway Number	<b>NH-53</b>	
1.3	State	Odisha	
1.4	Location	Jajpur (Near Kantigadia Village)	



  
**Resident Engineer**  
**MSV with DNC (Association)**

  
**Superintending Engineer.**  
**RWS&S Division, Jajpur**  
**AT - Chandikhole**

1.5	(Chainage in km)	<p><b>KM 0+000 to 21+200KM</b></p> <p><b>LHS laying of distribution network along the road.</b></p> <p>100mm dia from 0+000 to 0+400  150mm dia from 0+400 to 0+500  100mm dia from 0+500 to 3+800  100mm dia from 6+300 to 6+400  150mm dia from 6+400 to 7+200  100mm dia from 7+200 to 8+000  100mm dia from 9+200 to 11+200  100mm dia from 11+700 to 12+200  100mm dia from 12+900 to 13+500  100mm dia from 14+200 to 17+000  100mm dia from 17+700 to 18+100  200mm dia from 18+100 to 18+600  150mm dia from 18+600 to 20+000  100mm dia from 20+000 to 21+200</p> <p><b>LHS laying of clear water along the road.</b></p> <p>100mm dia from 2+200 to 2+700</p> <p><b>RHS laying of distribution network along the road.</b></p> <p>150mm dia from 0+000 to 0+500  100mm dia from 0+500 to 3+800  100mm dia from 6+300 to 8+000  150mm dia from 9+200 to 11+100  100mm dia from 11+100 to 11+200  100mm dia from 12+900 to 13+200  100mm dia from 14+200 to 15+600  150mm dia from 15+600 to 16+500  100mm dia from 16+500 to 17+000  100mm dia from 17+700 to 18+100  150mm dia from 18+100 to 19+900  100mm dia from 19+900 to 21+200</p> <p><b>Crossing of water pipe line of</b></p> <p>150mm dia at -0+500  100mm dia at -2+253  100mm, 100mm dia at -2+650  100mm dia at -5+100  350mm, 100mm dia at 6+400  100mm dia at -9+565  300mm, 150mm dia at -10+953  150mm dia at -13+200  150mm dia at -16+450  200mm dia at -18+126</p>	
1.6	Length in Meters	15200m	
1.7	Width of available ROW		



*dn*  
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MSV with DNC (Association)

*25/10/24*  
Superintending Engineer,  
RWS&S Division, Jajpur  
AT - Chandikhole



	a) Left side from center line towards increasing chain age/ km direction	1)KM 0+000 to KM 0+600-52M 2)KM 0+600 to KM 1+600-52M 3)KM 1+700 to KM 1+800-51M 4)KM 1+800 to KM 2+100-49M 5)KM 2+100 to KM 2+200-52M 6)KM 2+200 to KM 2+800-67M 7)KM 2+800 to KM 5+200-59M 8)KM 6+300 to KM 8+000-55M 9)KM 9+200 to KM 11+100-55M 10)KM 11+100 to KM 11+200-189M 11)KM 11+700 to KM 12+200-189M 12)KM12+900 to KM 13+400-189M 13)KM14+200 to KM 18+500-52M 14)KM18+600 to KM 19+900-82M 15)KM19+900 to KM 20+800-189M 16)KM20+800 to KM 21+200-52M	
	b) Right side from center line towards increasing chain age/km. direction.	1)KM 0+000 to KM 0+600-40M 2)KM 0+600 to KM 1+600-40M 3)KM 1+700 to KM 1+800-41M 4)KM 1+800 to KM 2+100-43M 5)KM 2+100 to KM 2+200-41M 6)KM 2+200 to KM 2+800-55M 7)KM 2+800 to KM 5+200-47M 8)KM 6+300 to KM 8+000-55M 9)KM 9+200 to KM 11+100-55M 10)KM 11+100 to KM 11+200-177M 11)KM 11+700 to KM 12+200-177M 12)KM12+900 to KM 13+400-177M 13)KM14+200 to KM 18+500-40M 14)KM18+600 to KM 19+900-70M 15)KM19+900 to KM 20+800-177M 16)KM20+800 to KM 21+200-40M	
1.8	Proposal to lay underground Water Pipeline		
	(a) Left side from center line towards increasing chain age/km. direction.	KM 0+000 to 21+200KM	
	(b) Right side from center line towards increasing chain age/km direction.	KM 0+000 to 21+200KM	
1.9	Proposal to acquire land	Not applicable	
	a) Left side from center line	Nil	
	b) Right side from center line	Nil	



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Superintending Engineer,  
RWS&S Division, Jajpur  
AT - Chandikhole

1.10	Whether proposal is in the same side where land is not to be acquired.		
	If not then where to lay the Water pipeline	Utility corridor of NH	
1.11	Details of already laid services, if any, along the proposed route.		
1.12	Number of lanes (2/4 6/8 lanes) existing	4 Lane	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	8 Lane	
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 center line		
	(b) Right side from center line		
1.16	Whether proposal to lay water supply pipe line is after the service road or between the service road and main carriageway.	After Service road	
1.17	The permission for laying of water supply pipe line shall be considered for approval / rejection based on the Ministry Circulars mentioned as above.	Agreed	
	a) Carrying of sewerage/gas pipelines on highway bridges shall not be permitted as Furnes / 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 pipe lines 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 superstructure, supported on extended portions of piers and abutments in such a manner that in 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 the supporting superstructure shall be borne by the agency in charge of the utilities.	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 the concurrence of the Ministry's Project Chief Engineers only.	Agreed	
1.18	<b>If crossings of the road involved</b> If yes, it shall be either encased in pipes or through structure or conduits specially built for	Pipe line shall be crossed trenches less (Jack pushing and HDD) method (conduit encasing)	




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MSV with DNC (Association)


Superintending Engineer,  
RWS&S Division, Jaipur  
AT - Chandikhole



	that purpose at the expenses of the agency owning the line.	Detailed drawing enclosed	
	a) Existing drainage structures shall not be allowed to carry the lines.	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 meters. What is the distance from the existing structures.	Agreed and detailed drawing enclosed	
	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.		
	e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage oath.	Yes Agreed	
	f) The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope in the fills.	Yes 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 0.3m below the drain inverts.	Yes Agreed	
	h) Crossing shall be by boring methods (HOD) especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Jack pushing/HOD method attached details in attached sketch.	
	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.	Yes Agreed	
2.	Document/Drawings enclosed with the proposal.	Attached	
2.1	Cross section showing the size of trenches for open trenching method (is it normal size of 1.2m deep x 0.3m wide)	Details shown in the drawing attached	
	i) Should not be greater than 60cm wider than the outer diameter of the pipe.	Yes Agreed	
	II) 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.	Everywhere 01 meter inside from ROW.	
	III) Shall not be permitted to run along the National Highways when the road formation is situated in double cutting. Now shall these be laid over the existing culverts and bridges.	Yes Agreed	
	iv) These should be so laid that their top is at least 0.6meter below the ground level so as not to obstruct.	Yes Agreed	
2.2	Cross section showing the size of pit and location of cable for HOD method.	Attached Annexure	
2.3	Strip plan/Route plan showing Water supply pipe line, chainage,width of ROW, distance of proposed, cable from the edge of ROW,	Attached Annexure	




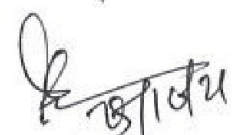
  
**Resident Engineer**  
**MSV with DNC (Association)**

  
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**RWS&S Division, Jajpur**  
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	important mile stone, intersections. cross drainage works etc.		
2.4	Methodology for laying of showing water supply pipe line.	Attached Annexure	
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 or refilling of trench.		
	(a) The trench width should be at least 30cm, but not more than 60cm wider than the outer diameter of the pipe.	Yes Agreed	
	(b) For filling of the trench, Bedding shall be 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 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.	Yes 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.	Yes 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.	Yes Agreed	
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	Yes Agreed	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line.	Yes Agreed	
2.4.2	Horizontal Directional Drilling (HDD) Method	Enclosed	
2.4.3	Laying of water supply pipe line through CD works and method of laying.		
	(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 30m 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 witnesses	Yes Agreed and enclosed	
4.	Performance Bank Guarantee in favour of NHAI has to obtained @ Rs.50/- per running meter (parallel to NH) and Rs.1,00,000/- per	Yes Agreed. BG will be submitted as intimated by NHAI	



  
 Resident Engineer  
 MSV with DNC (Association)

  
 Superintending Engineer,  
 RWS&S Division, Jajpur  
 AT - Chandikhole



	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 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.		
4.1	Performance BG as per above is to be obtained	BG will be submitted as intimated by NHAI	
4.2	Confirmation of BG has been obtained as per NHAI guidelines.	Yes Agreed	
5.	<b>Affidavit / Undertaking from the Applicant for</b>		
5.1	Notto damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	Yes and Undertake Enclosed	
5.2	Renewal of Bank Guarantee	Shall be submitted	
5.3	Confirming all standard condition of NHAI's guideline.	Yes and Undertake Enclosed	
5.4	Shifting of water supply pipe line as and when required by NHAI at their own cost.	Yes and Undertake Enclosed	
5.5	Shifting due to 6 lanning / widening of NH	Yes and Undertake Enclosed	
5.6	Indemnity against all damage and claims clause (xxiv)	Yes and Undertake Enclosed	
5.7	Traffic movement during laying of water supply pipe line to be managed by the applicant.	Yes and Undertake Enclosed	
5.8	If any claim is raised by the concessionaire then the same has to be paid by the applicant.	Yes and Undertake Enclosed	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, of alternations to the showing Water supply pipe line located in the National highway right of ways.	Yes and Undertake Enclosed	
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 supply pipe line will be borne by the aQency owninQ the line.	Yes and Undertake Enclosed	
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 reasonable time (not exceeding 60 days) of the intimation given.	Yes and Undertake Enclosed	
5.12	Certificate from the applicant in the following format. (i) Laying of water supply pipe line will not have	Certificate and Undertake Enclosed	



*an*  
Resident Engineer  
MSV with DNC (Association)

*15/10/24*  
Superintending Engineer,  
RWS&S Division, Jajpur  
AT - Chandikhole

	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 service road/approach road/utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI" for future six lanning of any other development".		
6.	Who will sign the agreement on behalf of water supply pipe line agency.	Executive Engineer, Rural Water Supply and Sanitation Department, Jajpur Division, Chandikhol.	
7.	<b>Certificate from the project Director</b>		
7.1	Certificate for confirming of all standard condition issued vide Ministry circular No. Ministry Circular No. NH-41 (58)/68 dated 31.01.1969, Ministry Circular No. NH- 111/P/66/76 dated 18/19.11.1976, Ministry Circular No. RW/NH-11037/1/86-DOI (ii) dated 28.07.1993, Ministry Circular No. RW/NH- 11037/1/86/DOI dated 19.01.1995, 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 17.09.2003. Ministry Circular No. RW/NH-111/P/66/76 dated 11.05.1982.		
7.2	Certificate from PD in the following format. "It is certified that any other location of the Water supply pipe line would be extremely difficult and unreasonable costly and the installation of Water Supply pipe line within ROW will not adversely affect the design, stability & traffic safety of the highway nor the likely future improvement. Such as widening of the carriageway, easing of curve etc."		
	i) for 6- lanning		
	a) Where feasibility is available "I do certify that there will be no hindrance to proposed six-laning based on the feasibility report considering proposed structure at the said location		
	(b) In case feasibility report is not available "I do 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."	Clause is inserted in the agreement	
9.	Who will supervise the work of laying of water supply pipe line.	Applicant/NHAI	
10.	Who will ensure that the defects in road portion after laying of water supply pipe line are corrected and if not corrected then what	Applicant	



Resident Engineer  
MSV with DNC (Association)

*[Signature]*  
Superintending Engineer,  
RWS&S Division, Jajpur  
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	action will be taken.		
11.	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire	Applicant	
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)	Enclosed	
13.	If any previous approval is accorded for laying of underground water supply pipe line then photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed.	NA	



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AT - Chandikhole



3/12/2021

परिचालन निदेशक  
PROJECT DIRECTOR  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
ब.का.ड. भुवनेश्वर / B.K.D. Bhubaneswar



# STATEMENT FOR PIPELINE ROAD CROSSING NH-53 FROM

Ch 0+000 KM TO 21+200 KM

Sl No	NH Pipe Crossing Details	Distance from existing Structure(		Clear Dia of Pipe	Casing Pipe	Length of pipe line(m)	Remarks
	(Chainage)	Left (Ch)	Right (Ch)	MS	MS		
1	0+500			150mm	350mm	90	
2	2+253			100 mm	300mm	118	
3	2+650			100mm,100mm	500mm	118	
4	5+100			100mm	300mm	102	
5	6+400			350mm,100mm	700mm	106	
6	9+565			100mm	300mm	106	
7	10+953			300mm, 150mm	700mm	106	
8	13+200			150mm	350mm	362	
9	16+450			150mm	350mm	88	
10	18+126			200mm	400mm	88	

# STATEMENT FOR PIPELINE LHS ROW ALONG NH-53 FROM

Ch 0+000 KM TO 21+200 KM KM(Distribution network)

Sl No	Dia of pipe	ROW		Clear Dia of Pipe	Casing Pipe	Remarks
	(DI)	From (CH)	To (CH)		MS	
1	100mm	0+000	0+400		Nil	
2	150mm	0+400	0+500		Nil	
3	100mm	0+500	3+800		Nil	
4	100mm	6+300	6+400		Nil	
5	150mm	6+400	7+200		Nil	
6	100mm	7+200	8+000		Nil	
7	100mm	9+200	11+200		Nil	
8	100mm	11+700	12+200		Nil	
9	100mm	12+900	13+500		Nil	
10	100mm	14+200	17+000		Nil	



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11	100mm	17+700	18+100	Nil	
12	200mm	18+100	18+600	Nil	
13	150mm	18+600	20+000	Nil	
14	100mm	20+000	21+200	Nil	

**STATEMENT FOR PIPELINE LHS ROW ALONG NH-53 FROM Ch 2+200  
KM TO 2+700 KM(Clear water rising main)**

SI No	Dia of pipe	ROW	Clear Dia of Pipe	Casing Pipe	Remarks
	(DI)	From (CH)	To (CH)	MS	
1	100mm	2+200	2+700	Nil	

**STATEMENT FOR PIPELINE RHS ROW ALONG NH-53 FROM  
Ch 0+000 KM TO 21+200 KM(Distribution network)**

SI No	Dia of pipe	ROW	Clear Dia of Pipe	Casing Pipe	Remarks
	(DI)	From (CH)	To (CH)	MS	
1	150mm	0+000	0+500	Nil	
2	100mm	0+500	3+800	Nil	
3	100mm	6+300	8+000	Nil	
4	150mm	9+200	11+100	Nil	
5	100mm	11+100	11+200	Nil	
6	100mm	12+900	13+200	Nil	
7	100mm	14+200	15+600	Nil	
8	150mm	15+600	16+500	Nil	
9	100mm	16+500	17+000	Nil	
10	100mm	17+700	18+100	Nil	
11	150mm	18+100	19+900	Nil	
12	100mm	19+900	21+200	Nil	



*dw*  
Resident Engineer  
MSV with DNC (Association)

*25/10/21*  
Superintending Engineer,  
RWS&S Division, Jajpur  
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