



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
३०१-ए, तीसरी मंजिल, पाल हाईट्स, प्लॉट नं जे/७, जयदेव विहार, भुवनेश्वर-७५१०१३, ओडिशा
301-A, 3rd Floor, Pal Heights, Plot No : J7, Jayadev Vihar, Bhubaneswar-751013, Odisha
दूरभाष / Ph.: 0674- 2361470/670
ई-मेल/ e-mail: roodisha@nhai.org, ronhaiodisha@gmail.com, वेबसाइट / Web : www.nhai.gov.in

NHAI/13011/54/RO/OD/2624 /2025

10.11.2025

To

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

Sub: Tangi - Bhubaneswar section of NH-16: Permission for laying and crossing of RWSS CWRM and distribution network for the work execution of 2 nos. of individual Rural Piped Water Supply Project pertaining to 31 GPs of Ranpur Block in the District of Nayagarh in the state of Odisha - Reg.

Ref: PD, PIU- Berhampur letter no. 852 dated 16.10.2025

Sir,

Please find enclosed herewith proposal of M/s RWSS, Division, Nayagarh has submitted a proposal for laying and crossing of RWSS CWRM and distribution network for the work execution of 2 nos. of individual Rural Piped Water Supply Project pertaining to 31 GPs of Ranpur Block in the district of Nayagarh in the state of Odisha. The details are as under:

S. No	Chaninage		Along/ Across	Length (In Km.)	DI Pipe Dia. (In mm)	Casing Pipe Dia. (In mm)	Remarks
	From Km	To Km					
1	356.410	355.595	Along LHS	0.815	150	-	Through Open Trenching
2	356.440	356.860	Along LHS	0.420	200	-	
3	356.860	357.130	Along RHS	0.270	150	-	
4	356.860	359.356	Along LHS	2.496	150	-	
5	359.356	360.040	Along RHS	0.684	150	-	
6	359.356	360.150	Along LHS	0.794	150	-	
7	355.595		across	0.06	160	350	All Crossings through HDD method
8	355.601		across	0.06	150	250	
9	356.860		across	0.06	200	400	
10	359.350		across	0.06	150	250	
11	359.356		across	0.06	160	350	

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 Regional Officer, Odisha.

Yours Sincerely,

Amit Kumar Gupta

(Amit Kumar Gupta)
Dy. General Manager (Tech)



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
३०१-ए, तीसरी मंजिल, पाल हाइट्स, प्लॉट नं जे/७, जयदेव विहार, भुवनेश्वर-७५१०१३, ओडिशा
301-A, 3rd Floor, Pal Heights, Plot No : J7, Jayadev Vihar, Bhubaneswar-751013, Odisha
दूरभाष / Ph.: 0674- 2361470/670
ई-मेल/ e-mail: roodisha@nhai.org, ronhaiodisha@gmail.com, वेबसाइट / Web : www : www.nhai.gov.in

NHAI/13011/54/RO/OD/ 2624 /2025

10.11.2025

INVITATION OF PUBLIC COMMENTS

Sub: Tangi - Bhubaneswar section of NH-16: Permission for laying and crossing of RWSS CWRM and distribution network for the work execution of 2 nos. of individual Rural Piped Water Supply Project pertaining to 31 GPs of Ranpur Block in the District of Nayagarh in the state of Odisha - Reg.

M/s RWSS, Division, Nayagarh has submitted a proposal for laying and crossing of RWSS CWRM and distribution network for the work execution of 2 nos. of individual Rural Piped Water Supply Project pertaining to 31 GPs of Ranpur Block in the district of Nayagarh in the state of Odisha. The details are as under:

S. No	Chaninage		Along/ Across	Length (in Km.)	DI Pipe Dia. (in mm)	Casing Pipe Dia. (In mm)	Remarks
	From Km	To Km					
1	356.410	355.595	Along LHS	0.815	150	-	Through Open Trenching
2	356.440	356.860	Along LHS	0.420	200	-	
3	356.860	357.130	Along RHS	0.270	150	-	
4	356.860	359.356	Along LHS	2.496	150	-	
5	359.356	360.040	Along RHS	0.684	150	-	
6	359.356	360.150	Along LHS	0.794	150	-	All Crossings through HDD method
7	355.595		across	0.06	160	350	
8	355.601		across	0.06	150	250	
9	356.860		across	0.06	200	400	
10	359.350		across	0.06	150	250	
11	359.356		across	0.06	160	350	

2. As per guidelines issued by MoRT&H vide F. No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, the Highway Administration will put out the application in the public domain for 30 days for seeking claims and objections on grounds of public inconvenience, safety and general public interest.

3. In view of the above, the comments of public, if any, on the above-mentioned proposal are invited on below mentioned address:

The Regional Officer,
National Highways Authority of India,
Regional Office, Odisha
301-A, 3rd Floor, Pal Heights,
J/7, Jayadev Vihar, Bhubaneswar 751013, Odisha
e-mail: roodisha@nhai.org

This is issued with the approval of RO, Odisha.

Amal

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



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

(Ministry of Road Transport & Highways, Govt. of India)

परियोजना कार्यान्वयन इकाई / Project Implementation Unit

बड़ा साहि, प्लॉट सं - 1187, हिलपाटना, ब्रह्मपुर - 760005 (ओडिशा)

Bada Sahi, Plot. No. : 1187, Hillpatna, Berhampur-760005 (Odisha)

दूरभाष / Tel. : 0680-2951293, ई-मेल / e-mail : piuberhampur@nhai.org, nhaipiuber@gmail.com



NHAI/12011/14/144/RWS&S/NH-16/2025/PIU/BAM/ 852

16.10.2025

To,
The Regional Officer,
National Highways Authority of India,
Regional Office-Odisha, 310-A, 3rd Floor,
Pal Heights, Plot No. J/7, Jayadev Vihar,
Bhubaneswar- 751013.

Sub: **Tangi to Bhubaneswar section of NH-16:** Permission for laying of CWRM and distribution network pipe lines across the road NH-16 under Ranpur Block for the work execution of 2 nos. of individual Rural Piped Water Supply Project pertaining to 31 GPs of Ranpur Block in the District of Nayagarh including 5 years operation and Maintenance of EPC contract under one package - Reg.

Ref: 1. Superintending Engineer, RWS&S Division, Nayagarh letter no. 2043 dated 11.08.2025.
2. This office letter no. 668 dated 20.08.2025.
3. AE letter no. 2019 dated 11.10.2025

Sir,

In inviting a kind reference to subject cited above, it is to state that Superintending Engineer, RWS&S Division, Nayagarh was submitted the proposal for laying of pipelines CWRM & Distribution Network pipe lines across the road NH-16 under Ranpur Block for the work execution of 2 nos. of individual Rural Piped Water Supply Project pertaining to 31 GPs of Ranpur Block in the District of Nayagarh including 5 years operation and Maintenance of EPC contract under one package vide ref. (1)

The proposal has been examined by the Resident Engineer, M/s Segmental Infrastructure Development Ltd., Bhubaneswar and NHAI Officials on dated 09.10.2025 and found to be in order with the following conditions to be taken care of.

- (i) The Longitudinal laying Drinking Water pipe line by Open trench method from Km.355.595 to Km.360+150 (LHS) & Crossing of Drinking Water pipe line by HDD method is proposed from LHS to RHS of the Project Highway at Km 355.595, 355+601, 356.860, 359.350 & 359.350.
- (ii) The Drinking Water pipe line must be laid from the extreme RoW available in Utility Corridor on the BHS of Project Highway for avoiding relocation or any obstruction of the same due to any other utility work like fixing Cameras/Gantries/Road Sign/water pipeline etc.

AP

- (iii) The executing agency will be held responsible in case of any damage to the existing Utilities or structures of National Highway and must repair the same with own risk and cost. In case of any shifting or reconstruction required, the same should be brought into the notice of project director, NHAI for prior approval.
- (iv) The final NOC will be provided only after completion of all the relevant works by strict adherence to the details mentioned in the drawing, methodology and MoRT&H circular No. RW-NH-3304/29/2015-S&R(R) dated 22.11.2016 and as per latest IRC specifications.

In view of the above, based on recommendation of AE, it is hereby recommended that the permission may be accorded for proposed laying of pipelines (CWRM& Distribution Network) along and across of NH-16.

Submitted for approval of Competent Authority.

Encl.: As above.

Yours faithfully,


(Darsi Prakash)
DGM(Tech.) & Project Director
PIU - Berhampur

CHECK LIST

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

Certificate for confirming all standard conditions issued vide

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
- 8) Ministry Circular No. RW/NH-33044/29/2015/ S&R(R) dated 22.11.2016

<u>Checklist for getting approval for laying of water supply pipeline on NH land</u>			
<u>No-5 (NH-16 New)</u>			
Sl.	Item	Information/ Status	Remarks
1.	General Information	Execution of 02 No's Individual Rural Piped Water Supply Project pertaining to 31GPs of Ranpur and 36GPs of Odoagaon and 6 GPs of Ranpur Block in Nayagarh District including 5 years O&M on EPC contract under One Package	
1.1	Name and Address of the Applicant/Agency	Superintending Engineer, RWS&S Division, Nayagarh, Nayagarh, P.O- Nayagarh, Nayagarh District, Odisha- 752069	
1.2	National Highway Number	NH-5 (New NH-16)	
1.3	State	Odisha	
1.4	Location	Kurdha - Brahmapur section	
1.5	Crossing Chainages in Km	Ch:355+601 Km & Ch:355+595 Km Ch:359+350 Km & Ch:359+356 Km & Ch:356+860 Km	
1.6	Along the Road Chainages in Km	Ch:356+410 Km to Ch:355+595 Km Ch:356+440 Km to Ch:356+860 Km Ch:356+860 Km to Ch:357+130 Km Ch:356+860 Km to Ch:359+356 Km Ch:359+356 Km to Ch:360+40 Km Ch:359+356 Km to Ch:360+150 Km	



[Signature]
Resident
cum
Highway Engineer

[Signature]
Superintending Engineer
RWS&S Division, Nayagarh

Page 1 of 10

[Signature]
परियोजना निदेशक/Project Director
राष्ट्रीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
प. का. इ. बरहमपुर/PIU, Berhampur

Checklist for getting approval for laying of water supply pipeline on NH land
No-5 (NH-16 New)

Sl.	Item	Information/ Status	Remarks
1.7	Crossing Length in Kilometers	0.400 Km	
1.8	Along the road Length in Kilometers	5.479 Km	
	Width of available ROW	60 mtr.(In General)	
1.7	a) Left side from center line towards increasing chain age / km direction.	30 mtr.	
	b) Right side from center line towards increasing chain age/km. direction.	30 mtr.	
	Proposal to lay underground Water Pipeline	Yes, DI & HDPE Water Pipeline Dia Min-100mm to Max: 300mm	
1.8	(a) Left side from center line towards increasing chainage/km direction.	28Mtr – 30 Mtr as per ROW Availability	
	(b) Right side from center line towards increasing chainage/km direction.	28Mtr – 30 Mtr as per ROW Availability	
	Proposal to acquire land	Not applicable	
1.9	a) Left side from center line	Nil	
	b) Right side from center line	Nil	
1.10	Whether the proposal is on the same side where land is not to be acquired.	Yes	
	If not, then where to lay the Water pipeline	NA	
1.11	Details of already laid services, if any, along the proposed route.	Yes, Existing Laid services are considered in the C/S Drawing and Documents attached.	
1.12	Number of lanes (2/4 6/8 lanes) existing	Existing 6 Lanes	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	Not applicable	
	Service road existing or not	Yes	
	If yes, then which side	Left & Right Both side	
1.14	(a) Left side from center line	Existing Service Road Varies from 14m to 24m from the center line of the Road	
	(b) Right side from center line	Existing Service Road Varies from 14m to 24m from the center line of the Road	
	Proposed Service Road	Yes	
1.15	(a) left side from center line	Proposed Service Road Varies from 14m to 24m from center line of the Road	



[Signature]
 Chief
 Highway Engineer

[Signature]
Superintending Engineer
RWS&S Division, Nagpur

[Signature]
 परियोजना निदेशक/Project Director
 राष्ट्रीय राजमार्ग प्राधिकरण
 National Highways Authority of India
 प.का.इ. बरहपुर/PIU, Berhampur

Checklist for getting approval for laying of water supply pipeline on NH land No-5 (NH-16 New)			
Sl.	Item	Information/ Status	Remarks
	(b) Right side from center line	Proposed Service Road Varies from 14m to 24m from center line of the Road	
1.16	Whether the proposal to lay water supply pipeline is after the service road or between the service road and main carriageway.	After Service Road in the Utility corridors as per available PROW of NHAI	
1.17	The permission for laying of water supply pipeline shall be considered for approval / rejection based on the Ministry Circulars mentioned as above.	Yes, Agreed	
	a) Carrying of sewerage/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.	Yes, agreed for not carrying drinking water pipelines on Bridges	
	b) Carrying water pipelines 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.	Yes, agreed for not carrying Water Pipelines on Bridges however it will be laid over independent structures like Pipe Carrying Bridges for Major Bridge crossings and Fabricated Structural Steel Path will be laid adjacent to the current structures for Minor Bridges/ Culverts/ Cross Drainage Structures when required with the permission of Authority.	
	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.	Yes, agreed to comply	
	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.	Yes, agreed to comply	
1.18	If crossings of the road involved	Yes, 5 Nos at Various locations as per the attached drawings and documents.	



President cum
Highway Engineer

Page 3 of 10

Superintending Engineer
Superintending Engineer
RWS&S Division, Nayagarh
 परियोजना निदेशक/Project Director
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
 National Highways Authority of India
 प.का.इ. बरहमपुर/PIU, Berhampur

**Checklist for getting approval for laying of water supply pipeline on NH land
No-5 (NH-16 New)**

Sl.	Item	Information/ Status	Remarks
	If yes, it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expense of the agency owning the line.	Encasing Pipe Dia = 1.5 times Dia of Pipe at various locations as per attached drawings and documents	
	a) Existing drainage structures shall not be allowed to carry the lines.	Yes, agreed to comply	
	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.	More than 15 meters at all our crossing locations.	
	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, and Made of Mild Steel of various sizes as per attached drawings and documents.	
	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 in the fills.	Yes, agreed to comply	
	g) The top of the casing/conduit pipe should be at least 1.2 meters below the surface of the road subject to being at least 0.3m below the drain inverts.	Yes, agreed to comply	
	h) Crossing shall be by boring methods (HDD) especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Yes, Crossings will be done by Jack pushing/ HDD Method	
	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 to comply	
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	



Resident cum Highway Engineer

परियोजना निदेशक/Project Director
Superintendent - भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
RWS&S Division, Nayagarh
Highways Authority of India
 प.का.इ. बरहपुर/PIU, Berhampur

Checklist for getting approval for laying of water supply pipeline on NH land
No-5 (NH-16 New)

Sl.	Item	Information/ Status	Remarks
	i) Should not be greater than 60cm wider than the outer diameter of the pipe.	Yes, agreed to comply	
	II) Located as close to the extreme edge of the right-of-way as possible but not less than 15 meters from the centerlines of the nearest carriageway.	Yes, agreed to comply	
	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 to comply	
	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 to comply	
2.2	The cross section shows the size of pit and location of Pipe for HDD method.	Yes, Submitted and incorporated in the drawing.	
2.3	Strip plan/Route plan showing Water supply pipeline, chainage, width of ROW, distance of proposed, cable from the edge of ROW, important milestone, intersections, cross drainage works etc.	Yes, Submitted showing all desired details in the drawings.	
2.4	Methodology for laying of showing water supply pipeline.	Attached as Annexure	
	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.	No (Jack pushing/HDD)	
2.4.1	(a) The trench width should be at least 30cm, but not more than 60cm wider than the outer diameter of the pipe.	Yes, agreed to comply	
	(b) For filling of the trench, Bedding 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 edges should be excavated and replaced by selected material.	Yes, agreed to comply	



Handwritten signature
Highway Engineer

Page 5 of 10

Handwritten signature
Superintending Engineer
RWS&S Division, Nayagarh
Project Director
National Highways Authority of India
प.का.इ., बरहपुर/PIU, Berhampur

Checklist for getting approval for laying of water supply pipeline on NH land
No-5 (NH-16 New)

Sl.	Item	Information/ Status	Remarks
	(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 to comply	
	(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 to comply	
	(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 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 is allowed as per submitted methodology at specific locations as per enclosed attachments in the annexures.	
	Laying of water supply pipeline through CD works and method of laying.	At all CD work Locations Independent pipe carrying Structures will be adopted.	
2.4.3	(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 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	Yes, agreed to comply	
3.	Draft License Agreement signed by two witnesses	Yes, enclosed	



Handwritten signature
Resident
Highway Engineer

Page 6 of 10

Handwritten signature
Superintending Engineer
RWS&S Division, Navagadh
 परियोजना निदेशक (RWS&S) ज्य. निदेशक
 राष्ट्रीय राजमार्ग प्राधिकरण
 National Highways Authority of India
 प.का.इ. बरहमुट/PIU, Berhampur

Checklist for getting approval for laying of water supply pipeline on NH land
No-5 (NH-16 New)

Sl.	Item	Information/ Status	Remarks
4.	Performance Bank Guarantee in favor 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 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/lose earth.	Yes Agreed. For Submission of Performance BG as per latest MoRTH / NHAI Guidelines, when asked by NHAI.	
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, it will be obtained after submission of BG.	
5.	Affidavit / Undertaking from the Applicant for	Yes, Attached	
5.1	Not to damage other utilities, if damaged then to pay the losses either to NHAI or to the concerned agency.	Yes, agreed to comply and Undertaking Enclosed	
5.2	Renewal of Bank Guarantee	Yes, agreed to comply and Undertaking Enclosed	
5.3	Confirming all standard conditions of NHAI's guideline.	Yes, agreed to comply and Undertaking Enclosed	
5.4	Shifting of water supply pipelines as and when required by NHAI at their own cost.	Yes, agreed to comply and Undertaking Enclosed	
5.5	Shifting due to 6 Lanning / widening of NH	Yes, agreed to comply and Undertaking Enclosed	
5.6	Indemnity against all damage and claims clause (xxiv)	Yes, agreed to comply and Undertaking Enclosed	
5.7	Traffic movement during laying of water supply pipeline to be managed by the applicant.	Yes, agreed to comply and Undertaking Enclosed	
5.8	If any claim is raised by the concessionaire, then the same must be paid by the applicant.	Yes, agreed to comply and Undertaking Enclosed	



Resident cum Highway Engineer

Page 7 of 10
परियोजना निदेशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
का.इ. बरहपुर/PIU, Berhampur
Superintending Engineer
RWS&S Division, Nayagarh

Checklist for getting approval for laying of water supply pipeline on NH land
No-5 (NH-16 New)

Sl.	Item	Information/ Status	Remarks
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 pipeline located in the National highway right of ways.	Yes, agreed to comply and Undertaking 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 pipeline will be borne by the agency owning the line.	Yes, agreed to comply and Undertaking 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, agreed to comply and Undertaking Enclosed	
5.12	Certificate from the applicant in the following format. (i)Laying of water supply pipeline will not have 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".	Yes, agreed to comply and Undertaking Enclosed	
6.	Who will sign the agreement on behalf of water supply pipeline agency.	Superintending Engineer, RWS&S Division, Nayagarh, Nayagarh, P.O- Nayagarh, Nayagarh District, Odisha- 752069	
7.	Certificate from the project Director	N.A	



Resident cum Highway Engineer


Project Director
Superintending Engineer
RWS&S Division, Nayagarh
 परियोजना निदेशक
 राष्ट्रीय राजमार्ग प्राधिकरण
 National Highways Authority of India
 प.का.ई, बरहंपुर/PIU, Berhampur

Checklist for getting approval for laying of water supply pipeline on NH land
No-5 (NH-16 New)

Sl.	Item	Information/ Status	Remarks
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-III/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.	Enclosed	
7.2	Certificate from PD in the following format. i) "It is certified that any other location of the Water supply pipeline would be extremely difficult and unreasonable costly and the installation of Water Supply pipeline 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."	Enclosed	
	ii) 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.		



[Signature]
Highway Engineer

[Signature]
परियोजना निदेशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
प.का.इ, बरहपुर/PIU, Berhampur

[Signature]
Superintending Engineer
RWS&S Division, Nayagarh

Checklist for getting approval for laying of water supply pipeline on NH land
No-5 (NH-16 New)

Sl.	Item	Information/ Status	Remarks
8.	If NH section proposed to be taken up by NHA 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."	Not Applicable	
9.	Who will supervise the work of laying of water supply pipeline.	KEC International Ltd – SPML JV, #928, Raghunathpur (Nuagaon), PO&PS – Ranpur, Nayagarh District, Odisha - 752026.	
10.	Who will ensure that the defects in road portion after laying of water supply pipeline are corrected and if not corrected then what action will be taken.	KEC International Ltd – SPML JV, #920, Raghunathpur (Nuagaon), PO&PS – Ranpur, Nayagarh District, Odisha - 752026.	
11.	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire	Superintending Engineer, RWS&S Division, Nayagarh, Nayagarh, P.O- Nayagarh, Nayagarh District, Odisha- 752069	
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 pipeline, then photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed.	N. A	



Resident cum Highway Engineer

**Superintending Engineer
RWS&S Division, Nayagarh**

परियोजना निदेशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
पू.का.इ. बरहपुर/PIU, Berhampur

Enclosure to Site Inspection report for laying of Water Pipeline along & across NHAI

Sl. No.	NH No	NH Chainage (from km to km)	Side of laying (LHS/RHS/Crossing)	Available ROW	Width of Carriage way (in mt.)	Embankment height (in mt.)	Dia of proposed utility including casing (in mm)	Methodology (Open Trench/HDD)	Depth of laying of utility from Ground Level	Width of trench (in case of open trench method)	Length of Pipe (Mtr)
1	NH-16 (NH-5)	359+350	Crossing	1 Mtr	0.30 Mtr	Avg. 1 Mtr	150mm (250mm)	HDD	2500mm	-	60 Mtr
2	NH-16 (NH-5)	359+356	Crossing	1 Mtr	0.40 Mtr	Avg. 1 Mtr	160mm (350mm)	HDD	2500mm	-	60 Mtr
3	NH-16 (NH-5)	355+501	Crossing	1 Mtr	0.30 Mtr	Avg. 1 Mtr	150mm (250mm)	HDD	2500mm	-	60 Mtr
4	NH-16 (NH-5)	355+595	Crossing	1 Mtr	0.40 Mtr	Avg. 1 Mtr	160mm (350mm)	HDD	2500mm	-	60 Mtr
5	NH-16 (NH-5)	356+860	Crossing	1 Mtr	0.45 Mtr	Avg. 1 Mtr	200mm (400mm)	HDD	2500mm	-	60 Mtr
6	NH-16 (NH-5)	356+410 to 355+595	LHS	1 Mtr	-	Avg. 1 Mtr	150mm	Open Trench	1650mm	0.35 Mtr	815 Mtr
7	NH-16 (NH-5)	356+440 to 356+860	LHS	1 Mtr	-	Avg. 1 Mtr	200mm	Open Trench	1700mm	0.35 Mtr	420 Mtr
8	NH-16 (NH-5)	356+860 to 357+130	RHS	1 Mtr	-	Avg. 1 Mtr	150mm	Open Trench	1650mm	0.35 Mtr	270 Mtr
9	NH-16 (NH-5)	356+860 to 359+356	LHS	1 Mtr	-	Avg. 1 Mtr	150mm	Open Trench	1650mm	0.35 Mtr	2496 Mtr
10	NH-16 (NH-5)	359+356 to 360+40	RHS	1 Mtr	-	Avg. 1 Mtr	150mm	Open Trench	1650mm	0.35 Mtr	684 Mtr
11	NH-16 (NH-5)	359+356 to 360+150	LHS	1 Mtr	-	Avg. 1 Mtr	150mm	Open Trench	1650mm	0.35 Mtr	794 Mtr



Superintending Engineer
RWS&S Division, Nayagalli

AE/SDO
RWS&S

JE/SDO
NHAI

SE
NHAI

Resident cum Engineer
Highway

परियोजना निदेशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
प.का.इ, ब्रह्मपुर/PIU, Berhampur

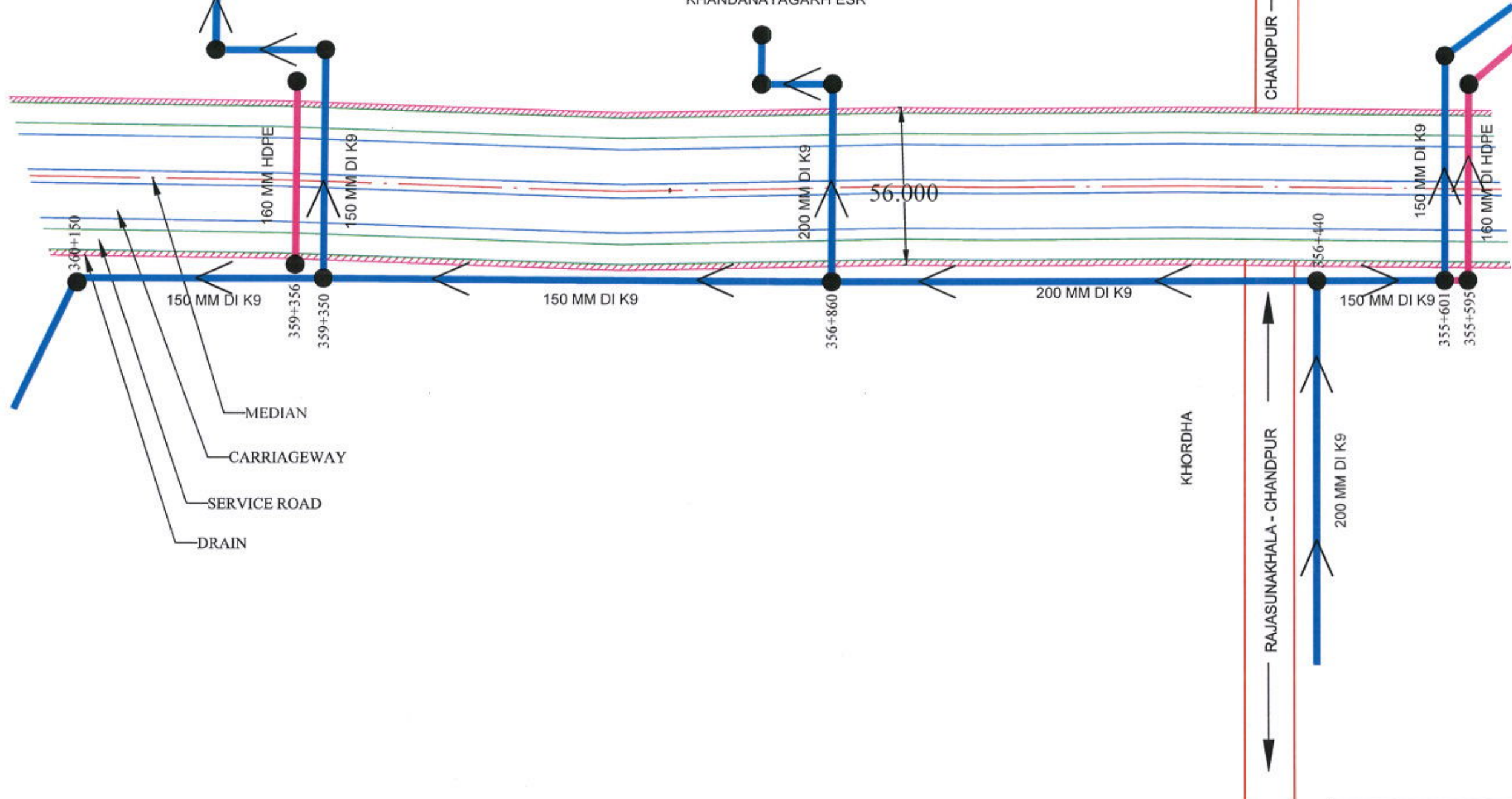
KHORDHA

BRAHMAPUR

CHAMPAGARH ESR

KHANDANAYAGARH ESR

CHANDPUR



Note: 1. All dimensions are in meter and all levels are in m unless otherwise specified. 2. Total length of crossing - 60.000M.	
CLIENT	GOVT OF ODISHA RURAL WATER SUPPLY & SANITATION JAL "O" PARIMAL BHAWAN, UNIT-V, BHUBANESWAR-751001, ODISHA
PROJECT	"EXECUTION OF 02 NOS INDIVIDUAL RURAL PIPED WATER SUPPLY PROJECT PERTAINING TO 31 GPS OF RANPUR AND 38GPS OF ODAGAON & 6 GPS OF RANPUR BLOCK IN NAYAGARH DISTRICT INCLUDING 5 YEARS O&M ON EPC"
CONTRACTOR	M/S KEC - SPML JOINT VENTURE
TITLE :	NH 16 CROSSING DETAILS FOR RANPUR BLOCK- CWRM & DN



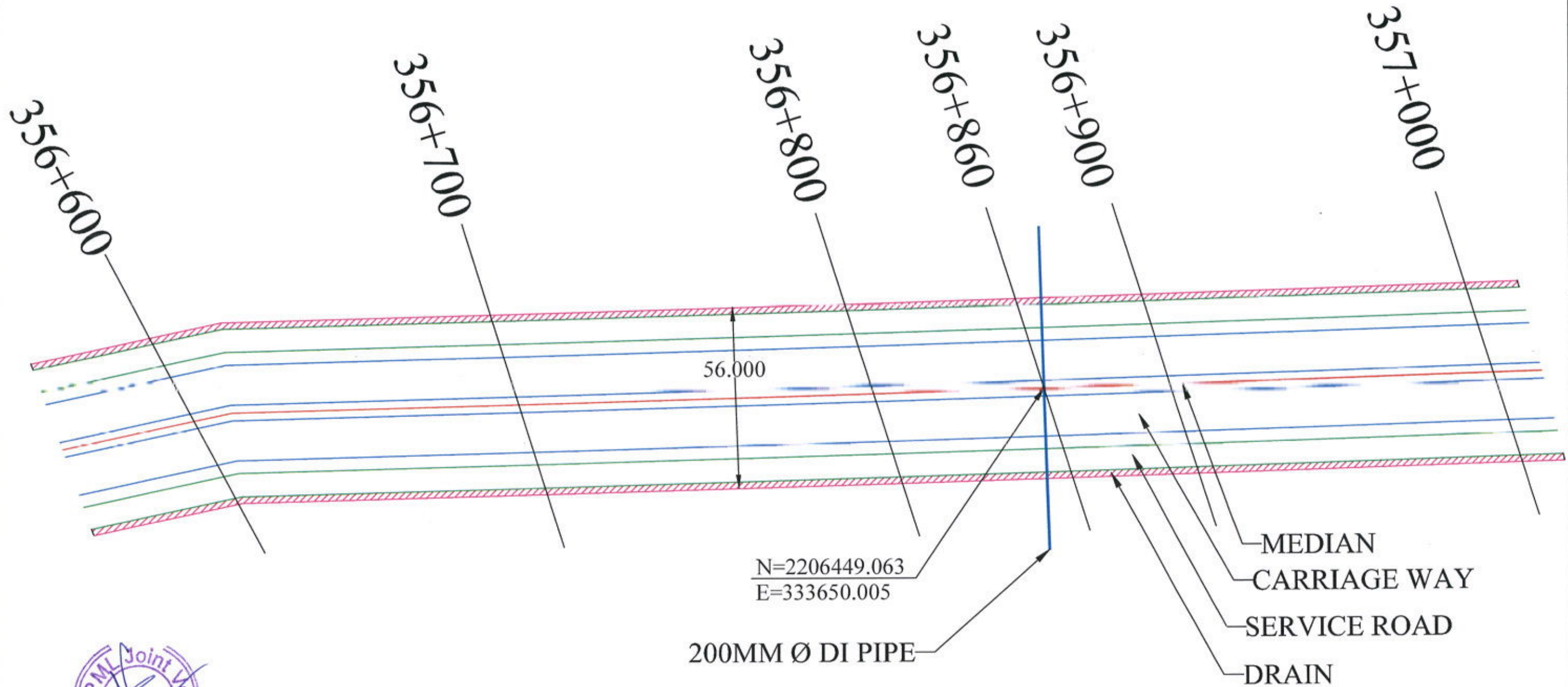
Superintending Engineer
RWS&S Division, Nayagarh

Resident
cum
Highway Engineer

परियोजना निदेशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
प.का.ह, बरहमपुर/PIU, Berhampur

BRAHMAPUR

KHORDHA



ROAD TOP

G L 1.500

TOP OF CASING PIPE

1.000

200 MM Ø DI CARRIER PIPE

400 MM Ø MS CASING PIPE

SECTION

Resident
cum
Highway Engineer

Superintending Engineer
RWS&S Division, Nayagarh

परियोजना निदेशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
प.का.इ., ब्रह्मपुर/PIU, Berhampur

- Note:
1. All dimensions are in meter and all levels are in m unless otherwise specified.
 2. Total length of crossing - 60.000M.

CLIENT GOVT OF ODISHA
RURAL WATER SUPPLY & SANITATION
JAL "O" PARIMAL BHAWAN, UNIT-V, BHUBANESWAR-751001, ODISHA

PROJECT "EXECUTION OF 02 NOS INDIVIDUAL RURAL PIPED WATER SUPPLY PROJECT PERTAINING TO 31 GPS OF RANPUR AND 36GPS OF ODDAGAON & 6 GPS OF RANPUR BLOCK IN NAYAGARH DISTRICT INCLUDING 5 YEARS O&M ON EPC"

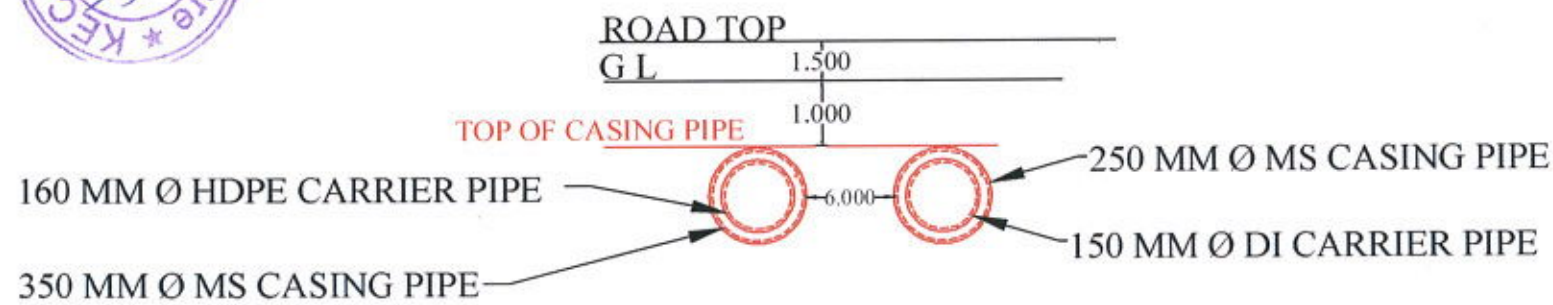
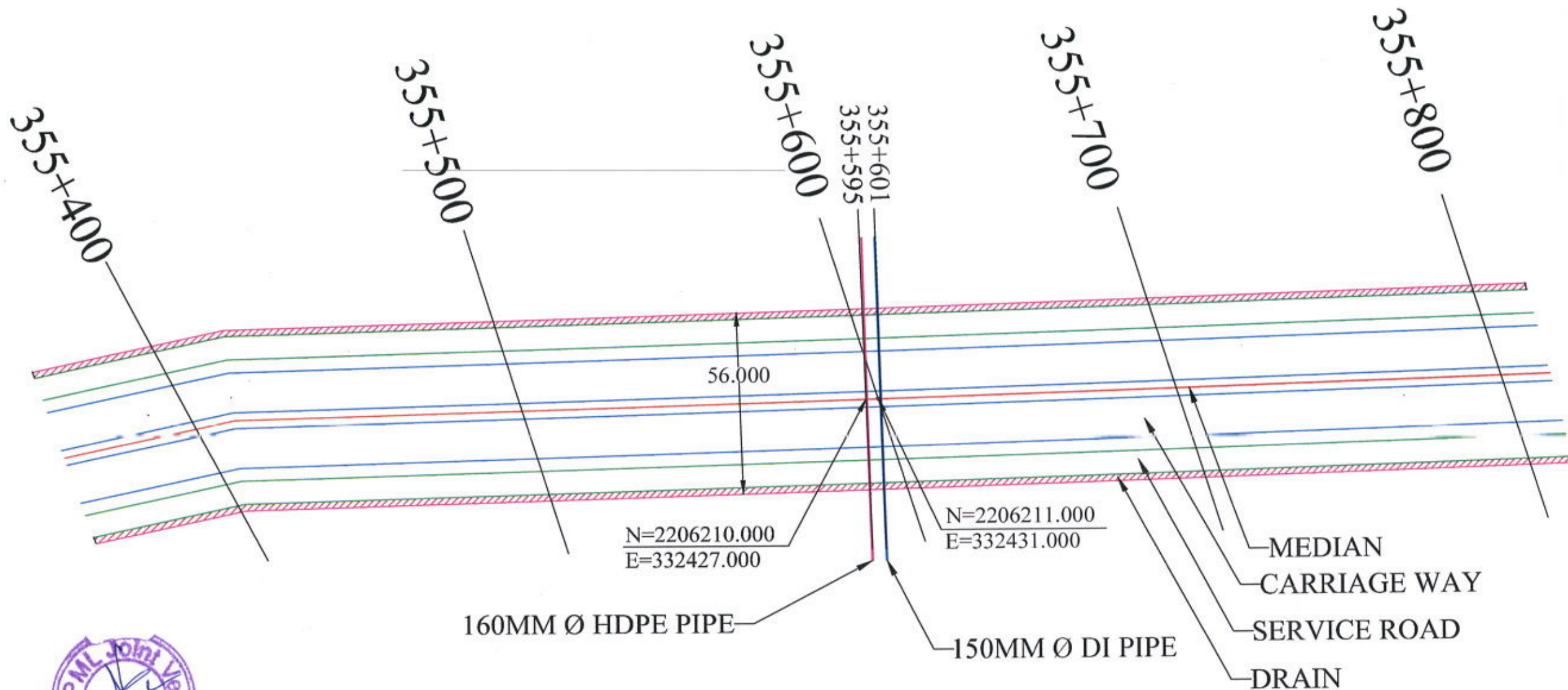
CONTRACTOR KEC M/S KEC - SPML JOINT VENTURE

TITLE :

NH 16 CROSSING DETAILS FOR
RANPUR BLOCK- CWRM & DN

BRAHMAPUR

KHORDHA



SECTION

Resident
Highway Engineer

परियोजना निदेशक / Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
प.का.ह. बरहपुर/PIU, Berhampur

Superintending Engineer
RWS&S Division, Nayagarh

Note: 1. All dimensions are in meter and all levels are in m unless otherwise specified. 2. Total length of crossing - 60.000M.	
CLIENT	GOVT OF ODISHA RURAL WATER SUPPLY & SANITATION JAL YO PARIMAL BHAWAN, UNIT-V, BHUBANESWAR-751001 ODISHA
PROJECT	EXECUTION OF 62 NOS INDIVIDUAL RURAL PIPED WATER SUPPLY PROJECT PERTAINING TO 31 GPS OF RANPUR AND 36GPS OF ODDAGACH & 8 GPS OF RANPUR BLOCK IN NAYAGARH DISTRICT INCLUDING 5 YEARS O&M ON EPC
CONTRACTOR	M/S KEC - SPML JOINT VENTURE
TITLE	NH 16 CROSSING DETAILS FOR RANPUR BLOCK - CWRM & DN

BRAHMAPUR

KHORDHA

359+200

359+300

359+356
359+350

359+400

359+500

359+600

N=2207911.000
E=335591.000

N=2207914.000
E=335593.000

150MM Ø DI PIPE

160MM Ø HDPE PIPE

MEDIAN

CARRIAGEWAY

SERVICE ROAD

DRAIN



ROAD TOP

GL 1.200

1.000

TOP OF CASING PIPE

150 MM Ø DI CARRIER PIPE

250 MM Ø MS CASING PIPE

350 MM Ø MS CASING PIPE

160 MM Ø HDPE CARRIER PIPE

SECTION

Resident
cum
Highway Engineer

परियोजना निदेशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
प.का.इ, बरहपुर/PIU, Berhampur

Superintending Engineer
RWS&S Division, Nayagarh

Note:

1. All dimensions are in meter and all levels are in m unless otherwise specified.
2. Total length of crossing - 60.000M.

CLIENT: GOVT OF ODISHA
RURAL WATER SUPPLY & SANITATION
JAL 'O' PARIMAL SHAWAN, UNIT-V, BHUBANESWAR-751001, ODISHA

PROJECT: EXECUTION OF 02 NOS INDIVIDUAL RURAL PIPED WATER SUPPLY PROJECT PERTAINING TO 31 GPS OF RANPUR AND MGPS OF ODAGAON & 8 GPS OF RANPUR BLOCK IN NAYAGARH DISTRICT INCLUDING 5 YEARS O&M ON EPC

CONTRACTOR: M/S KEC - SPML JOINT VENTURE

TITLE:

NH 16 CROSSING DETAILS FOR
RANPUR BLOCK- CWRM & DN