



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

## National Highways Authority of India

(Ministry of Road Transport & Highways)

कार्यालय क्षेत्रीय अधिकारी, आंध्र प्रदेश क्षेत्र

Office of the Regional Officer, Andhra Pradesh Region

प्लॉट.क.२१, टीचर्स कॉलोनी, गुरुनानक नगर मार्ग, विजयवाड़ा-५२० ००८, आंध्र प्रदेश

Plot No.21, Teacher's Colony, Gurunanak Nagar Road, Vijayawada-520 008. A.P.

टेली / Tele : 0866-2483910

ई-मेल / E-mail : rovijayawada@nhai.org  
nhairovja@gmail.com



भारतमाला  
प्रगति के पथ पर अग्रसर  
BHARATMALA  
ROAD TO PROSPERITY

Lr.No. NHAI/RO-VJA/12014/NOC/2016/ 2802

Dt.04.12.2018

To,  
The Sr. Technical Director,  
NIC, Transport Bhawan,  
New Delhi- 110001.


Sub: RO - Vijayawada - Permission for laying of OFC along NH - 16 (Old NH - 5) from Km 809.820 to Km 810.400 for a length of 220 meters and across the road at Km 809.820 for a length of 40 meters (Total 260 meters) at Thandava Bridge, Tuni of East Godavari District in the State of Andhra Pradesh - Public comments - Reg.

Sir,

Please find enclosed herewith a proposal of BSNL seeking NOC for laying of OFC along NH - 16 (Old NH - 5) from Km 809.820 to Km 810.400 for a length of 220 meters and across the road at Km 809.820 for a length of 40 meters (Total 260 meters) at Thandava Bridge, Tuni of East Godavari District in the State of Andhra Pradesh.

As per MORTH guidelines vide letter No. RW/NH-33044/29/2015/S&R® dated 22<sup>nd</sup> November 2016, the application along with the recommendation of PD, PIU- Rajahmahendravaram are enclosed herewith with a request to host the same in the Ministry's website for 30 days seeking claims and objections (on grounds of public inconvenience, safety and general public interest), for taking further necessary action.

Yours faithfully,



(Anil Dixit),

Regional Officer

Encl: As above

Copy to: 1) PD, PIU - Rajahmahendravaram - for information  
2) The Divisional Engineer, BSNL, Type-IV, Flat No:1B & 2B, Lalacheruvu Telephone Quarters, Rajahmundry - 533 106 - for information



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

## National Highways Authority of India

(Ministry of Road Transport & Highways)

कार्यालय क्षेत्रीय अधिकारी, आंध्र प्रदेश क्षेत्र

Office of the Regional Officer, Andhra Pradesh Region

प्लॉट.क्र.२१, टीचर्स कॉलोनी, गुरुनानक नगर मार्ग, विजयवाड़ा-५२० ००८.आंध्र प्रदेश

Plot No.21, Teacher's Colony, Gurunanak Nagar Road, Vijayawada-520 008. A.P.

टेली / Tele : 0866-2483910

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[nhairovja@gmail.com](mailto:nhairovja@gmail.com)



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प्रगति के पथ पर अग्रसर  
BHARATMALA  
ROAD TO PROSPERITY

Lr.No. NHAI/RO-VJA/12014/NOC/2016/2801

Dt.04.12.2018

### INVITATION OF PUBLIC COMMENTS


Sub: RO - Vijayawada - Permission for laying of OFC along NH - 16 (Old NH - 5) from Km 809.820 to Km 810.400 for a length of 220 meters and across the road at Km 809.820 for a length of 40 meters (Total 260 meters) at Thandava Bridge, Tuni of East Godavari District in the State of Andhra Pradesh - Public comments - Reg.

The Project Director, PIU - Rajamahendravaram submitted a proposal of BSNL for laying of OFC along NH - 16 (Old NH - 5) from Km 809.820 to Km 810.400 for a length of 220 meters and across the road at Km 809.820 for a length of 40 meters (Total 260 meters) at Thandava Bridge, Tuni of East Godavari District in the State of Andhra Pradesh.

As per MORTH guidelines vide letter No. RW/NH-33044/29/2015/S&R® dated 22<sup>nd</sup> November 2016, the Highway Administration will put out the application in the Ministry's website for 30 days seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

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

Regional Officer - Vijayawada,  
National Highways Authority of India,  
Plot No.21, Teachers' Colony, Gurunanak Nagar Road,  
Vijayawada, Andhra Pradesh. Pin: 520 008.  
Email: [rovijayawada@nhai.org](mailto:rovijayawada@nhai.org)

  
(Anil Dixit), 11.12.18  
Regional Officer



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

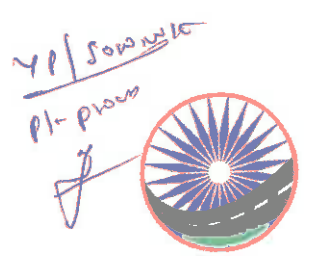
## National Highways Authority of India

(Ministry of Road Transport & Highways)

परियोजना कार्यान्वयन इकाई - PROJECT IMPLEMENTATION UNIT

डोर नं. 78-14-21, श्यामला नगर, राजमहेन्द्रवरम - 533 103. आं.प्र.

Door No. : 78-14-21, Shyamala Nagar, RAJAMAHENDRAVARAM - 533 103, A.P.



भारतमाला  
प्रगति के पथ पर अग्रसर  
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दूरभाष / Phone: 0883 - 2431170

0883 - 2437832

ई-मेल / e-mail : raj@nhai.org  
piurajahmundry@gmail.com

No: NHAI/PIU-RJY/BSNL-OFC/260m/TB/2018/22506

24<sup>th</sup> October, 2018

To:

✓ The Regional Officer,  
National Highways Authority of India,  
Regional Office, 21, Teachers' Colony,  
Gurunanak Nagar Road,  
Vijayawada-520 008.

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Sub: NHAI, PIU-Rajamahendravaram - Permission for laying of OFC cables along NH-16 (Old NH-5) from Km. 809.820 to Km. 810.040 for a length of 220 meters and across the road at Km. 809.820 for a length of 40 meters (Total 260 meters) at Thandava Bridge, Tuni of East Godavari District in the State of Andhra Pradesh - Furnishing of Compliance on the observations - Approval - Requested - Reg.

Ref: 1. This office letter No. NHAI/PIU-RJY/BSNL-OFC/21000m/RVPM-PRVL/2017-18/22159 Dt. 23.08.2018.  
2. RO, NHAI, Vijayawada Letter No. NHAI/RO-VJA/12014/NOC/2016/2336 Dt. 04.10.2018. ✓

Sir,

1. Please refer to this office letter 1<sup>st</sup> cited wherein a proposal for laying of OFC cables along NH-16 (Old NH-5) from Km. 809.820 to Km. 810.040 for a length of 220 meters and across the road at Km. 809.820 for a length of 40 meters (Total 260 meters) at Thandava Bridge, Tuni of East Godavari District in the State of Andhra Pradesh, as submitted by the Divisional Engineer, Telecom, BSNL, Rajahmundry, as per the revised Circular / guidelines issued by MORT&H Dt. 22.11.2016 and also as per the Revised Check List issued by MORT&H, Vijayawada Dt. 13.04.2017 was forwarded to the RO, NHAI, Vijayawada for approval.
2. In reply, RO, NHAI, Vijayawada vide reference 2<sup>nd</sup> cited made certain observations and requested to furnish the compliance on the observations for taking further necessary action.
3. Accordingly, the D.E., Telecom, BSNL, Optical Fibre Cable Project, Rajahmundry vide reference 3<sup>rd</sup> cited submitted the following.
  - (i) The Check List duly signed by the undersigned on all the pages is herewith enclosed.

Building a Nation, Not Just Roads

निगमित कार्यालय जी-5 एवं 6, सेक्टर-10, द्वारका, नई दिल्ली - 110 075, वेब साइट : <http://www.nhai.org>  
Corporate Office : G-5 & 6, Sector-10, Dwarka, NEW DELHI - 110 075, Website : <http://www.nhai.org>

- (ii) The Check List duly corrected in para Nos., 1.19 & 2.4.1 and submitted by the BSNL Authorities is herewith enclosed.
  - (iii) It is clarified by the BSNL Authorities that the minimum distance of crossing the OFC from the existing structure shall be maintained 15 meters as per the Policy Guidelines of MORTH Dt. 22.11.2016.
  - (iv) The Undertaking as per Sl. No. 5.9 of the Check List, submitted by the BSNL Authorities is herewith enclosed.
  - (v) The Draft Licence Agreement duly signed by the two Witnesses and submitted by the BSNL Authorities is herewith enclosed.
- 4 In view of the above, the compliance report submitted by the Divisional Engineer, Telecom, BSNL, OFC Project, Rajahmundry is herewith enclosed for favourable consideration and according necessary approval.

Thanking you,

Yours faithfully,

  
(A. Srinivasa Rao)  
Project Director

Encl: As above.

## CHECK LIST

Guidelines for processing the proposal for laying of utility line in the land along National Highways vested with NHAI /PWD/BRO

Sl No.	Item	Information Status	Remarks
	General Information		
1	Name and Address of the Applicant/Agency	Bharat Sanchar Nigam Limited Reg Office: Bharat Sanchar Bhavan, Harish Chandra Mathur Lane, Janpath, New Delhi-110001	
2	National Highway Number	NH-16	
3	State	ANDHRA PRADESH	
4	Location	TUNI	
5	Chainage/Km	From KMR 809.780 to KMR 810.040	
6	Length in Meters	260 mtrs	
7	Width of available ROW		
	a)Left side from center line towards increasing chainage /km direction		
	b)Right side from center line towards increasing chainage /km direction	Varies from 12 to 18 Mtrs	
8	Proposal to lay the utility		
	a)Left side from center line towards increasing chainage /km direction	From KMR 809.780 to KMR 810.040	
	b)Right side from center line towards increasing chainage /km direction		
9	proposal to acquire the land		
	a)Left side from center line	NA	
	b)Right side from center line	NA	
10	Whether proposal is in the same side where land is not to be acquired	YES	
	if not then where to lay the cable	NA	
11	Details of already laid services, if any along the proposed route		
12	Number of Existing lanes(2,4,6,8 lanes)	4 lanes	
13	proposed number of lanes (2lane with paved shoulders/4/6/8 lanes)	...	
14	Service road existing or not	No	
	if YES then which side		
	a)Left side from center line	NA	
	b)Right side from center line	NA	
15	Proposed Service road		
	a)Left side from center line	NA	
	b)Right side from center line	NA	

*Smiranda*  
Project Director  
NHAI-PIU  
RAJAMAHENDRAVARAM

*Chellam*  
Divisional Engineer,  
OFC PROJECTS, B.S.N.L.  
Type-IV, Flat No: 1B & 2B.  
Telacheruvu Telephone Quarters.  
RAJAHMUNDRY - 533 106.

16	Whether proposal to lay the utility is after the service road or between the service road and main carriageway	OFC shall be laid after the service road/truck lay byes/Bus bays as the case may be	
17	Whether carrying of sewage /gas pipeline has been proposed on highway/bridges if YES then mention the methodology proposed for the same	NO	
18	Whether carrying of sewage /Gas pipeline has been proposed on the parapet/any part of the bridges. if YES then mention the methodology proposed for the same	NO	
19	If crossing of the road involved 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	YES, Crossing through HDD method	
	a)whether the existing drainage structures are allowed to carry the utility pipeline	YES	
	b)is it on aline normal to the NH	YES	
	c)What is the distance of crossing the utility pipelines from the existing structure scrossing shall not be too near the existing structures on the national highway. The minimum distance being 15 meter.	15meters	
	d)The casing pipe carrying the utility line shall be of steel cast iron, pr reinforced cement concrete and have adequate srength and be large enough to permit ready withdrawl of carrier pipe/cable	YES	
	Mention type of casing	75mm DWC Pipe	
	e)Ends of the casing /Conduit pipe shall be sealed from the outside so that it doesnot act as a drainage path	YES	
	f)The casing/conduit pipe should as minimum extend from drain to drain in cuts and toe of slope in fills	YES	
	g) The top of the casing /conduit pipe should be atleast 1.2 meter below the surface of the road subject to being at least 0.3 meter below the drain inverts	YES	
	mention the proposed details		
	h)Mention the methodology proposed for crossing of road for the proposed sewage /Gas pipe line :Crossing shall be by boring method HDD.specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	HDD method	

*Srinivasan*  
Project Director  
NHAI-PIU  
RAJAMAHENDRAVARAM

*Uthayakumar*  
Divisional Engineer,  
OFC PROJECTS, B.S.N.L.  
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Lalacheruvu Telephone Quarters,  
RAJAHMUNDY - 533 106.



	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 water way along it	YES	
	Document/Drawing to be enclosed with the proposal	Enclosed	
.1	Cross section showing the size of the trench for open trenching method	Enclosed	
	is it normal size of 1.2m deep X 0.3meter wide	YES	
	i)should not be greater than 60cms wider than the outer diameter of the pipe	YES	
	ii)located as close to the extreme edge of the right of way as possible but not less than 15m from the centerline of the nearest carriageway	YES	
	iii)shallnot be permitted to run along the National Highways when the road formation is situated in double cutting nor shall these be laid over the existing culverts and bridges	YES	
	iv)These should be so laid that their top is at least 0.6m below the ground levelso as not to obstruct drainage of the road land	Yes	
.2	Cross section showing the size of the pit and location of cable for HDD method	Enclosed	
.3	Strip plan/route plan showing the utility/Gas Pipeline chainage Width of ROW, distance of proposed pipeline from the edge of ROW, important mile-stone, Intersections, cross drainage works etc.	Enclosed	
.4	Methodology for laying of the utility pipeline	Enclosed	
.4.1	Open trenching method. May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type	NA (Total trenching shall be done in HDD method only)	
	If yes, what is the methodology of refilling the trench		
	a)The trench width should be at least 30cms. But not more than 60cms wider than the outer diameter of the pipe.	NA	
	b)for filling of the trench bedding shall be to a depth of not less than 30cms. It shall consist of granular material, free of lumps, clods and cobbles and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock-edged should be excavated and replaced by selected material.	NA	

*Srinivas*  
Project Director  
NHAI-PIU  
RAJAMAHENDRAVARAM

*Chandrasekhar*  
Divisional Engineer,  
OFC PROJECTS, B.S.N.L.  
Type-IV, Flat No: 1B & 2B.  
Lalacheruvu Telephone Quarters,  
RAJAHMUNDRY - 533 106.


	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	NA	
	d) The side fill shall consist of granular material laid in 15cms layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the proctor density .Overfill shall be compacted to the same density as the material that has been removed.consolidation by saturation or ponding willnot be permitted	NA	
	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	NA	
	f)The excavation shall be protected by flagman. Signs and barricades and redlights during night hours	NA	
	g)if required a diversion shall be constructed at the expence of agency owing the utility line	NA	
2.4.2	Horizontal Directional Drilling method(HDD method)	YES, at builtup areas, road crossings, culvert/bridges etc along the road HDD proposed.	
2.4.3	Methodology for laying of the pipeline through CD works and method of laying	Whereever cable ducts are available OFC shall be laid in such ducts. In the absence of cable ducts, OFC shall be clamped outside the parapet wall of the bridge.	
	in cases where the carrying of gas pipeline on the bridge becomes inescapable		
3	Draft license agreement is signed by two witnesses	Enclosed	
3.1	The licensee fee estimate as per ministry guide lines issued vide circular no:RW/NH/33044/29/2015/S&RDATED 22-11-2016	Enclosed	
4	whether performance bank guarantee as per minstry circular No:RW/NH-3044/29/2015/S&R(R)DATED 22-11-2016 is obtained	Undertaking for submission of BG has been obtained from M/s. BSNL	
4:1	Confirmation of BG has been obtained or not as per MORTH/NHAI guide lines	Confirmation of BG Shall be obtained after BG submission by M/s. BSNL	
5	Affedifit /undertaking from the applicant from the following is to be furnished		

*Srinivas*  
Project Director  
NHAI-PIU  
RAJAMAHENDRAVARAM

*Chandras*  
Divisional Engineer,  
OFC PROJECTS, B.S.N.L.  
Type-IV, Flat No: 1B & 2B.  
Lalacheruvu Telephone Quarters,  
RAJAHMUNDRY - 533 106.



5.1	Undertaking for not to damage any other utility, if damaged then to pay the losses either to NHAI or to the concerned agency	Enclosed	
5.2	Undertaking for renewal of BG as when asked by MORTH/NHAI	Enclosed	
5.3	Undertaking for confirming all standard condition of Ministry /NHAI guide lines	Enclosed	
5.4	Undertaking for indemnity against all damages and claims	Enclosed	
5.5	Undertaking for management of traffic moment during laying of utility line without hampering the traffic	Enclosed	
5.6	Undertaking that if any claim is raised by the concessionaire /contractor then the same has to be paid by applicant	Enclosed	
5.7	Undertaking that prior approval of the NHAI shall be obtained before undertaking any work/installation /shifting/repairs /alterations to the utility located in the national highways ROW	Enclosed	
5.8	Undertaking that expenditure if any incurred by NHAI by repairing any damage caused to the NH by laying maintenance or shifting of the utility line will be borne by the applicant agency owning the line	Enclosed	
5.9	Undertaking that text of the License deed is as per verbatim of MORTH format issued Vide Ministry's Circular No.RW/NH-33044/29/2015/S&R(R) DATED 22-11-2016	Enclosed	
5.10	Undertaking that the applicant has obtained various safety clearances from the representative authorities such as Directorate of Electricity, Chief controller of explosives, petroleum and explosive safety organization, Oil industry safety directorate, state /central pollution control board and any other statutory clearance as applicable before applying to Highway administration	N.A	
5.11	if the MORTH/NHAI considers if 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 MORTH/NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given	Enclosed	

  
Project Director  
NHAI-PIU  
RAJAMAHENDRAVARAM

  
Divisional Engineer,  
OFC PROJECTS, B.S.N.L.  
Type-IV, Flat No: 1B & 2B,  
Lalacheruvu Telephone Quarters,  
RAJAHMUNDRY - 533 106.

12	certificate from the applicant in the following format		
	i) laying of GAS pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic	NA	
	ii) "we do undertake that I /we will relocate service road /approach road /utilities at my/our own cost not withstanding the permission granted within such time as will be stipulated by NHAI for future six laneing/any other development"	Enclosed	
	Who will sign the agreement on behalf of Optical Fibre Cable agency	Divisional Engineer, Bharat Sanchar Nigam Limited	
	power of attorney to sign the agreement is available or not	YES	
	The project director will submit the following certificates		
1	certificate that the proposal is confirming to all standard conditions issued vide ministers circular no:RW/NH/33044/29/2015/S&R DATED 22-11-2016.	Enclosed	
2	Certificate from PD in the following format		
	i) "it is certified that any other location of the GAS pipeline would be extremely difficult and unreasonable costly and the installation of GAS pipeline within ROW will not adversely affect the design, stability and traffic safety of the highway nor the likely future improvement such as widening of the carriage way, easing of curve"	NA	
	ii) for six laneing		
	a) where feasibility is available "I do certify that there will be no hindrance to proposed six laneing based on the feasibility report considering proposed structures at the said location"	Enclosed	
	b) In case feasibility report is not available "I do certify that sufficient ROW is available at sight for accommodating proposed six laneing"		
	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 Gas pipeline /Duct has also been granted as a right of way of to the cocessionaire under the concession agreement for upgradation of Kolkata - Chennai Section from Km _____ to Km _____ of NH No: 16 on Build Operate and Transfer basis and therefore the licensee shall honour the same".	NA	
	who will supervise the work of laying of Optical Fibre Cable		
	a) On behalf of the applicant	Engineer-In charge, STP O.F.C. Projects, BSNL, Rajahmundry	
	b) On behalf of MORTH /NHAI	NHAI, PIU, Rajahmundry/ Supervision Consultant	

*Signature*  
NHAI-PIU  
RAJAMAHENDRAVARAM.

*Signature*  
Divisional Engineer,  
OFC PROJECTS, B.S.N.L.  
Type-IV, Flat No: 1B & 2B.  
Lalacheruvu Telephone Quarters,  
RAJAHMUNDRY - 533 106.

10	Who will ensure that the defects in road portion after laying of Optical Fibre Cable are corrected and if not corrected then what action will be taken	NHAI, PIU, Rajahmundry/ Supervision Consultant	
	a) on behalf of the applicant	NA	
	b) on behalf of NHAI	NA	
11	Who will pay the claims for damages done /disruption in working of concessionaire if asked by the concessionaire	Bharat Sanchar Nigam Limited	
	on behalf of 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)		
13	if any previous approval is accorded for laying of underground gas pipeline then photocopy of register of records/permissions accorded (as maintained by PD) be enclosed.		

Name /Designation/Signature of the  
authorized representative of the applicant

Name /Designation/Signature of the  
concerned field authority of NHAI/PWD/BRO

*Project Director*  
**NHAI-PIU**  
**RAJAMAHENDRAVARAM.**


*Divisional Engineer,*  
**OFC PROJECTS, B.S.N.L.**  
**Type-IV, Flat No: 1B & 2B.**  
**Calacheruvu Telephone Quarters,**  
**RAJAHMUNDRY - 533 106.**

## CHECK LIST

Guidelines for processing the proposal for laying of utility line in the land along National Highways vested with NHAI/PWD/BRO

Sl No.	Item	Information Status	Remarks
	General Information		
1	Name and Address of the Applicant/Agency	Bharat Sanchar Nigam Limited Reg Office: Bharat Sanchar Bhavan, Harish Chandra Mathur Lane, Janpath, New Delhi-110001	
2	National Highway Number	NH-16	
3	State	ANDHRA PRADESH	
4	Location	TUNI	
5	Chainage/Km	From KMR 809.780 to KMR 810.040	
6	Length in Meters	260 mtrs	
7	Width of available ROW		
	a) Left side from center line towards increasing chainage /km direction		
	b) Right side from center line towards increasing chainage /km direction	Varies from 12 to 18 Mtrs	
8	Proposal to lay the utility		
	a) Left side from center line towards increasing chainage /km direction	From KMR 809.780 to KMR 810.040	
	b) Right side from center line towards increasing chainage /km direction		
9	proposal to acquire the land		
	a) Left side from center line	NA	
	b) Right side from center line	NA	
10	Whether proposal is in the same side where land is not to be acquired	YES	
	if not then where to lay the cable	NA	
11	Details of already laid services, if any along the proposed route		
12	Number of Existing lanes (2,4,6,8 lanes)	4 lanes	
13	proposed number of lanes (2 lane with paved shoulders/4/6/8 lanes)	...	
14	Service road existing or not	No	
	if YES then which side		
	a) Left side from center line	NA	
	b) Right side from center line	NA	
15	Proposed Service road		
	a) Left side from center line	NA	
	b) Right side from center line	NA	

  
Project Director  
NHAI-PIU  
RAJAMAHENDRAVARAM.

  
Divisional Engineer,  
OFC PROJECTS, B.S.N.L.  
Type-IV, Flat No: 1B & 2B.  
Lalacheruvu Telephone Quarters.

16	Whether proposal to lay the utility is after the service road or between the service road and main carriageway	OFC shall be laid after the service road/truck lay byes/Bus bays as the case may be	
17	Whether carrying of sewage /gas pipeline has been proposed on highway/bridges if YES then mention the methodology proposed for the same	NO	
18	Whether carrying of sewage /Gas pipeline has been proposed on the parapet/any part of the bridges. if YES then mention the methodology proposed for the same	NO	
19	If crossing of the road involved 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	YES, Crossing through HDD method	
	a)whether the existing drainage structures are allowed to carry the utility pipeline	YES	
	b)is it on a line normal to the NH	YES	
	c)What is the distance of crossing the utility pipelines from the existing structure crossing shall not be too near the existing structures on the national highway. The minimum distance being 15 meter.	15meters	
	d)The casing pipe 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 carrier pipe/cable	YES	
	Mention type of casing	75mm DWC Pipe	
	e)Ends of the casing /Conduit pipe shall be sealed from the outside so that it does not act as a drainage path	YES	
	f)The casing/conduit pipe should as minimum extend from drain to drain in cuts and toe of slope in fills	YES	
	g) The top of the casing /conduit pipe should be atleast 1.2 meter below the surface of the road subject to being at least 0.3 meter below the drain inverts	YES	
	mention the proposed details		
	h)Mention the methodology proposed for crossing of road for the proposed sewage /Gas pipe line. Crossing shall be by boring method HDD specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	HDD method	

  
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	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 water way along it	YES	
	Document/Drawing to be enclosed with the proposal	Enclosed	
.1	Cross section showing the size of the trench for open trenching method	Enclosed	
	is it normal size of 1.2m deep X 0.3meter wide	YES	
	i)should not be greater than 60cms wider than the outer diameter of the pipe	YES	
	ii)located as close to the extreme edge of the right of way as possible but not less than 15m from the centerline of the nearest carriageway	YES	
	iii)shallnot be permitted to run along the National Highways-when the road formation is situated in double cutting nor shall these be laid over the existing culverts and bridges	YES	
	iv)These should be so laid that their top is at least 0.6m below the ground levelso as not to obstruct drainage of the road land	Yes	
.2	Cross section showing the size of the pit and location of cable for HDD method	Enclosed	
.3	Strip plan/route plan showing the utility/Gas Pipeline chainage Width of ROW, distance of proposed pipeline from the edge of ROW, important mile stone, Intersections, cross drainage works etc.	Enclosed	
.4	Methodology for laying of the utility pipeline	Enclosed	
.4.1	Open trenching method. May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type	NA (Total trenching shall be done in HDD method only)	
	If yes, what is the methodology of refilling the trench		
	a)The trench width should be at least 30cms. But not more than 60cms wider than the outer diameter of the pipe.	NA	
	b)for filling of the trench bedding shall be to a depth of not less than 30cms. It shall consist of granular material, free of lumps, clods and cobbles and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material.	NA	

*Srinivas*

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*AK*

*Chandrasekhar*

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	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	NA	
	d) The side fill shall consist of granular material laid in 15cms layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the proctor density .Overfill shall be compacted to the same density as the material that has been removed.consolidation by saturation or ponding willnot be permitted	NA	
	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	NA	
	f)The excavation shall be protected by flagman. Signs and barricades and redlights during night hours	NA	
	g)if required a diversion shall be constructed at the expence of agency owing the utility line	NA	
2.4.2	Horizontal Directional Drilling method(HDD method)	YES, at buildup areas, road crossings, culvert/bridges etc along the road HDD proposed.	
2.4.3	Methodology for laying of the pipeline through CD works and method of laying	Whereever cable ducts are available OFC shall be laid in such ducts. In the absence of cable ducts, OFC shall be clamped outside the parapet wall of the bridge.	
	in cases where the carrying of gas pipeline on the bridge becomes inescapable		
3	Draft license agreement is signed by two witnesses	Enclosed	
3.1	The licensee fee estimate as per ministry guide lines issued vide circular no:RW/NH/33044/29/2015/S&RDATED 22-11-2016	Enclosed	
4	whether performance bank guarantee as per minstry circular No:RW/NH-3044/29/2015/S&R(R)DATED 22-11-2016 is obtained	Undertaking for submission of BG has been obtained from M/s. BSNL	
4:1	Confirmation of BG has been obtained or not as per MORTH/NHA1 guide lines	Confirmation of BG Shall be obtained after BG submission by M/s. BSNL	
5	Affedifit /undertaking from the applicant from the following is to be furnished		

*Signature*


Project Director  
NHAI PD

RAJAMUNDRY

*Signature*

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5.1	Undertaking for not to damage any other utility, if damaged then to pay the losses either to NHAI or to the concerned agency	Enclosed	
5.2	Undertaking for renewal of BG as when asked by MORTH/NHAI	Enclosed	
5.3	Undertaking for confirming all standard condition of Ministry /NHAI guide lines	Enclosed	
5.4	Undertaking for indemnity against all damages and claims	Enclosed	
5.5	Undertaking for management of traffic moment during laying of utility line without hampering the traffic	Enclosed	
5.6	Undertaking that if any claim is raised by the concessionaire /contractor then the same has to be paid by applicant	Enclosed	
5.7	Undertaking that prior approval of the NHAI shall be obtained before undertaking any work/installation /shifting/repairs /alterations to the utility located in the national highways ROW	Enclosed	
5.8	Undertaking that expenditure if any incurred by NHAI by repairing any damage caused to the NH by laying maintenance or shifting of the utility line will be borne by the applicant agency owning the line	Enclosed	
5.9	Undertaking that text of the License deed is as per verbatim of MORTH format issued Vide Ministry's Circular No: RW/NH-33044/29/2015/S&R(B) DATED 22-11-2016	Enclosed	
5.10	Undertaking that the applicant has obtained various safety clearances from the representative authorities such as Directorate of Electricity, Chief controller of explosives, petroleum and explosive safety organization, Oil industry safety directorate, state /central pollution control board and any other statutory clearance as applicable before applying to Highway administration	N.A	
5.11	if the MORTH/NHAI considers if 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 MORTH/NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given	Enclosed	

  
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12	certificate from the applicant in the following format		
	i) laying of GAS pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic	NA	
	ii) "we do undertake that I /we will relocate service road /approach road /utilities at my/our own cost not withstanding the permission granted within such time as will be stipulated by NHAI for future six laneing/any other development"	Enclosed	
	Who will sign the agreement on behalf of Optical Fibre Cable agency	Divisional Engineer, Bharat Sanchar Nigam Limited	
	power of attorney to sign the agreement is available or not	YES	
	The project director will submit the following certificates		
1	certificate that the proposal is confirming to all standard conditions issued vide ministers circular no:RW/NH/33044/29/2015/S&R*DATED 22-11-2016.	Enclosed	
2	Certificate from PD in the following format		
	i) "it is certified that any other location of the GAS pipeline would be extremely difficult and unreasonable costly and the installation of GAS pipeline within ROW will not adversely affect the design, stability and traffic safety of the highway nor the likely future improvement such as widening of the carriage way, easing of curve"	NA	
	ii) for six laneing		
	a) where feasibility is available "I do certify that there will be no hindrance to proposed six laneing based on the feasibility report considering proposed structures at the said location"	Enclosed	
	b) In case feasibility report is not available "I do certify that sufficient ROW is available at sight for accommodating proposed six laneing"		
	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 Gas pipeline /Duct has also been granted as a right of way of to the cocessionaire under the concession agreement for upgradation of Kolkata - Chennai Section from Km _____ to Km _____ of NH No: 16 on Build Operate and Transfer basis and therefore the licensee shall honour the same".	NA	
	who will supervise the work of laying of Optical Fibre Cable		
	a) On behalf of the applicant	Engineer-In charge, STP O.F.C. Projects, BSNL, Rajahmundry	
	b) On behalf of MORTH /NHAI	NHAI, PIU, Rajahmundry/ Supervision Consultant	

*Divisional Engineer,*

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*Director*  
**NHAI-PIU**  
**RAJAHMENDRAVARAM**

10	Who will ensure that the defects in road portion after laying of Optical Fibre Cable are corrected and if not corrected then what action will be taken	NHAI, PIU, Rajahmundry/ Supervision Consultant	
	a) on behalf of the applicant	NA	
	b) on behalf of NHAI	NA	
11	Who will pay the claims for damages done /disruption in working of concessionaire if asked by the concessionaire	Bharat Sanchar Nigam Limited	
	on behalf of 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)		
13	if any previous approval is accorded for laying of underground gas pipeline then photocopy of register of records/permissions accorded (as maintained by PD) be enclosed		

Name /Designation/Signature of the  
authorized representative of the applicant

Name /Designation/Signature of the  
concerned field authority of NHAI/PWD/BRO

*Signature*  
Project Director  
NHAI PIU  
RAJAMAHENDRAVARAM  
*Signature*  
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