



# 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

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

Lr.No. NHA/RO-VJA/12014/NOC/2016/ 298

Dt.07.02.2018

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

Sub: Permission for laying of OFC along NH - 16 (Old NH - 5) from Km 807.865 to Km 774.065 i.e., from Tuni (Payakaraopeta) to Yelamanchili on RHS for a total length of 33,800 m in Rajahmundry - Visakhapatnam section in the State of Andhra Pradesh - Public comments - Reg.

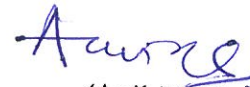
Sir,

Please find enclosed herewith a proposal of M/s. BSNL seeking NOC for laying of OFC cables along NH - 16 (Old NH - 5) from Km 807.865 to Km 774.065 i.e., from Tuni (Payakaraopeta) to Yelamanchili on RHS for a total length of 33,800 m in Rajahmundry - Visakhapatnam section 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-Rajahmundry 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.

Encl: As above

Yours faithfully,

  
(Anil Dixit), 7/2/18  
Regional Officer

Copy to: 1) PD, PIU - Rajahmundry - for information  
2) M/s. BSNL, Rajahmundry - for information



**भारतीय राष्ट्रीय राजमार्ग प्राधिकरण**

(सड़क परिवहन और राजमार्ग मंत्रालय)

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कार्यालय क्षेत्रीय अधिकारी, आंध्र प्रदेश क्षेत्र

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

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Lr.No. NHAI/RO-VJA/12014/NOC/2016/ 297

Dt.07.02.2018

**INVITATION OF PUBLIC COMMENTS**

**Sub:** Permission for laying of OFC cables along NH - 16 (Old NH - 5) from Km 807.865 to Km 774.065 i.e., from Tuni (Payakaraopeta) to Yelamanchili on RHS for a total length of 33,800 m in Rajahmundry - Visakhapatnam section in the State of Andhra Pradesh - Public comments - Reg.

The Project Director, PIU - Rajahmundry submitted a proposal of M/s. BSNL for laying of OFC cables along NH - 16 (Old NH - 5) from Km 807.865 to Km 774.065 i.e., from Tuni (Payakaraopeta) to Yelamanchili on RHS for a total length of 33,800 m in Rajahmundry - Visakhapatnam section 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 is 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), 7.2.18  
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, राजमन्दी - 533 103. आं.प्र.

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

दूरभाष / Phone: 0883 - 2431170

0883 - 2437832

फैक्स / Fax : 0883 - 2431170

ई-मेल / e-mail : raj@nhai.org

piurajahmundry@gmail.com

No: NHAI/PIU-RJY/BSNL-OFC/33800m/2017-18/ 20944 02<sup>nd</sup> December, 2017

To:

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



Sub: NHAI, PIU, Rajahmundry - Permission for laying of Optical Fibre Cable along NH-16 from Km. 807.865 to Km. 774.065 i.e., from Tuni (Payakaraopeta) to Yelamanchili on RHS for a total length of 33,800 Meters in Rajahmundry - Visakhapatnam Section in the State of Andhra Pradesh - Approval - Reg.

- Ref:
1. The Divisional Engineer, Telecom, BSNL, OFC Projects, Rajahmundry Letter No. C-49/DET/OFCP/RMY/TNI-YLC/2017-18/ Dt. 20.10.2017.
  2. TL, M/s. Dorsch Consult (India) Pvt., Ltd., CPL Letter No. Dorsch/2017/T-A/NH-16/0370 Dt. 06.11.2017.
  3. TL, M/s. K&J Project Pvt., Ltd., Letter No. K&J/O&M/RJY/NHAI/127 Dt. 16.11.2017.

Sir,

1. This is to inform that the Divisional Engineer, Telecom, BSNL, Rajahmundry vide reference 1<sup>st</sup> cited has submitted a proposal for laying of OFC cables along NH-16 (Old NH-5) from Km. 807.865 to Km. 774.065 i.e., from Tuni (Payakaraopeta) to Yelamanchili on RHS for a total length of 33,800 Meters in Rajahmundry - Visakhapatnam Section in the State of Andhra Pradesh as per the Revised MORT&H Circular / Guidelines Dt. 22.11.2016 and also as per the Revised Check List issued by MORT&H, Vijayawada Dt. 13.04.2017.
2. The above proposal has been verified and all the points are as per the MORT&H revised Circular / Guidelines Dt. 22.11.2016 and also as per the Revised Check Lit issued by the MORT&H, Vijayawada Dt. 13.04.2017, which including the comprehensive guidelines and draft license agreement along with Licence Fee for laying of OFC cable in the land along National Highways vested with NHAI.
3. The drawings furnished by the Agency are herewith submitted along with the following:
  - (1) Proposal along with enclosures
  - (2) Check List
  - (3) License Deed.
  - (4) Undertakings
  - (5) Certificate
  - (6) Methodology
  - (7) Diagrams

*J. S. S.*

4. As per the above Revised Circular Guidelines, the Agency has agreed to submit Performance Bank Guarantee @ Rs.100/- per route meter and also submitted an undertaking duly stating that they will submit Performance Bank Guarantee as demanded by NHAI.
5. The Report submitted by both the Team Leaders of the respective stretches after inspection of the proposal is herewith enclosed.
6. In view of the above, the proposal submitted by Divisional Engineer, Telecom, BSNL, Rajahmundry is herewith recommended for favourable consideration and according necessary approval.

Thanking you,


Yours faithfully,

  
02/12/2017  
(J.Ch. Venkataratnam)  
DGM (T) & Project Director

Encl: 2 files (1 Original +1 Duplicate)

## CERTIFICATE

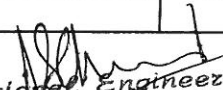
1. Undersigned has examined the proposal of the applicant for laying of OFC cables along NH-16 (Old NH-5) from Km. 807.865 to Km. 774.065 i.e., from Tuni (Payakaraopeta) to Yelamanchili on RHS for a total length of 33,800 Meters in Rajahmundry - Visakhapatnam Section in the State of Andhra Pradesh and confirm that all the standard conditions issued vide Ministry Circular No. RW/NH-33044/29/2015/S&(R) Dt. 22.11.2016 has been followed.
2. It is certified that any other location of utility line would be extremely difficult and unreasonable, costly and installation of utility 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.
3. I will ensure supervision of the work of laying of utility and ensure that the defects in road portion after laying of utility are corrected.
4. I will notify / forfeit the BG for claims for damages done / disruption in working, if any.
5. I will ensure that proposed permission is entered in the Register of Records.
6. The record of previous approval, if any has been considered and copy of the same is enclosed with the proposal.

  
(J.Ch. Venkataratnam)  
DGM (T) & Project Director  
NHAI, PIU, Rajahmundry

## 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
1	General Information		
1.1	Name and Address of the Applicant/Agency	Bharat Sanchar Nigam Limited Reg Office: Bharat Sanchar Bhavan, Harish Chandra Mathur Lane, Janpath, New Delhi-110001	
1.2	National Highway Number	NH-16	
1.3	State	ANDHRA PRADESH	
1.4	Location	TUNI - YELAMANCHILI	
1.5	Chainage/Km	From KM 807/865 to KM 774/065	
1.6	Length in Meters	33800 meters	
1.7	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 41.080 Mtrs	
1.8	Proposal to lay the utility		
	a) Left side from center line towards increasing chainage /km direction		
	b) Right side from center line towards increasing chainage /km direction	From KM 807/865 to KM 774/065	
1.9	proposal to acquire the land		
	a) Left side from center line	NA	
	b) Right side from center line	NA	
1.10	Whether proposal is in the same side where land is not to be acquired	YES	
	if not then where to lay the cable	NA	
1.11	Details of already laid services, if any along the proposed route	NFS of PICG	
1.12	Number of Existing lanes(2,4,6,8 lanes)	4 lanes	
1.13	proposed number of lanes (2lane with paved shoulders/4/6/8 lanes)	...	
1.14	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	
1.15	Proposed Service road		
	a) Left side from center line	NA	
	b) Right side from center line	NA	

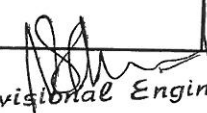
  
 Divisional Engineer,  
 OFC PROJECTS, B.S.N.L  
 Type-IV, Flat No: 1B & 2B,  
 Lalacheruvu Telephone Quarters,



1.16	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	
1.17	Whether carrying of sewage /gas pipeline has been proposed on highway/bridges if YES then mention the methodology proposed for the same	NO	
1.18	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	
1.19	If crossing of the road involved If YES ,it shall be either encased in pipes or through structure or conduits specially built for that puopose at the expense of the agency owning the line	NO	
	a)whether the existing drainage structures are allowed to carry the utility pipeline	NO	
	b)is it on a line normal to the NH	NO	
	c)What is the distance of crossing the utility pipelines from the existing structures crossing shall not be too near the existing structures on the national highway. The minimum distance being 15 meter.	N.A	
	d)The casing pipe carrying the utility line shall be of steel .cast iron pr reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of carrier pipe/cable	N.A	
	Mention type of casing	NA	
	e)Ends of the casing /Conduit pipe shall be sealed from the outside.so that it doesnot act as a drainage path	NA	
	f)The casing/conduit pipe should as minimum extend from drain to drain in cuts and toe of slope in fills	NA	
	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	NA	
	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.	NA	

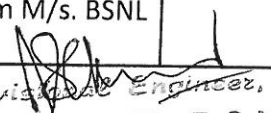
  
 Divisional Engineer,  
 OFC PROJECTS, B.S.N.L.  
 Type-IV, Flat No: 1B & 2B,  
 Lalacheruvu Telephone Quarters,  
 RAJAHMUNDRY - 533 105.

	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	NA	
	Document/Drawing to be enclosed with the proposal	Enclosed	
2.1	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	
2.2	Cross section showing the size of the pit and location of cable for HDD method	Enclosed	
2.3	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	
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, what is the meethodology of refilling the trench	Yes, Backfilling shall be done with granules material. Compaction shall be done in layers of 15 cm each. The trench shall be filled up to the required height of 1.65m (measured from top of ducts as per trench cross section drawing attached in the proposal). A crown of 250mm shall be made at the top of the backfilled trench to cater for soil settlement.	
	a)The trench width should be at least 30cms. But not more than 60cms wider than the outer diameter of the pipe.	YES	

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



	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 form surface without sudden change in the bearing value.Unsuitable soil and rock edged should be excavated and replaced by selected material.	YES	
	c)The backfill shall be completed in two stages i)side fill to the level of the top of the pipe and ii)overfill to the bottom of the road crust	YES	
	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	YES	
	e)The road crust shall be built to the same strength as the existing crust on either side of the trench.Care shall be taken to avoid the formation of a dip at the trench	YES	
	f)The excavation shall be protected by flagman. Signs and barricades and redlights during night hours	YES	
	g)if required a diversion shall be constructed at the expence of agency owing the utility line	YES	
4.2	Horizontal Directional Drilling method(HDD method)	YES, at builtup areas, road crossings, culvert/bridges, weighing bridges, petrol bunks etc along the road HDD proposed.	
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		
	Draft license agreement is signed by two witnesses	Enclosed	
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	
	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	

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


1.1	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	
	Affedifit /undertaking from the applicant from the following is to be furnished		
1.1	Undertaking for not to damage any other utility ,if damaged then to pay the losses eithe to NHAI or to the concerned agency	Enclosed	
1.2	Undertaking for renewal of BG as when asked by MORTH/NHAI	Enclosed	
1.3	Undertaking for confirming all standsard condition of Minsttry /NHAI guide lines	Enclosed	
1.4	Undertaking for indemnity againsst all damages and claims	Enclosed	
1.5	Uddertaking for management of traffic moment during laying of utility line witout hampering the traffic	Enclosed	
1.6	Undertaking that if any claim is raised by the concessionaire /contractor then the same ha to be paid by applicant	Enclosed	
1.7	Undertaking that prior approval of the NHAI shallbe obtaine befor undertaking any work/installation /shifting/repairs /alterations to the utility located in the national highways ROW	Enclosed	
1.8	Undertaking that expenditure if any incurred by NHAI by rpairing any damage caused to the NH by laying maintenance or shifting of the utility line will be borne by the apppplicant agency owning the line	Enclosed	
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	
10	undertaking that the applicant has obtained various safety clearences from the representative authorities suchas 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 clerance as applicable .before applying to Highway administration	N.A	
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 th eutility line with in a resoanble time (not exceeding 60 days )of the intimation given	Enclosed	

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 notwithstanding 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 laning		
	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 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 laning"		
	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 co-cessionaire 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,*  
**OFC PROJECTS, B.S.N.L.**  
 Type IV, Flat No: 1B & 2B,



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.		

  
 Divisonal Engineer,  
 Name /Designation/Signature of the  
 authorized representative of the applicant  
 OEC PROJECTS, B.S.N.L.  
 Type-IV, Flat No: 1B & 2B,  
 Lalacheruvu Telephone Quarters,  
 RAJAHMUNDRY - 533 106.

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