



# 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

Ref : NHAI/RO-VJA/V-G/2018-19/3005

Date : 21-12-2018

To

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

Sub : Proposal for laying of OFC along NH-16 from Km 1079.660 to Km 1058.100 including 4 crossings on Vijayawada - Gundugolanu Section of NH-16 (Old NH-5) by BSNL, Vijayawada - Public Comments - Reg.

\*\*\*\*\*


Sir,

Please find enclosed herewith the proposal of M/s. BSNL, Vijayawada laying of OFC along NH-16 from Km 1079.660 to Km 1058.100 including 4 crossings on Vijayawada - Gundugolanu Section of NH-16 (Old NH-5).

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 - Vijayawada 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)  
Regional Officer,  
Regional Officer

Copy to :

1. PD, PIU - Vijayawada for information
2. M/s. BSNL, Vijayawada 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.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.

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**भारतमाला**  
प्रगति के पथ पर अग्रसर  
**BHARATMALA**  
ROAD TO PROSPERITY

Ref : NHAI/RO-VJA/V-G/2018-19/3005

Date : 21-12-2018

**INVITATION OF PUBLIC COMMENTS**

Sub : laying of OFC along NH-16 from Km 1079.660 to Km 1058.100 including 4 crossings on Vijayawada - Gundugolanu Section of NH-16 (Old NH-5) by BSNL, Vijayawada - Public Comments - Reg.

\*\*\*\*\*

The Project Director, PIU - Vijayawada submitted a proposal of M/s. BSNL, Vijayawada laying of OFC along NH-16 from Km 1079.660 to Km 1058.100 including 4 crossings on Vijayawada - Gundugolanu Section of NH-16 (Old NH-5).

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)  
21.12.2018  
RO - Vijayawada





भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
(सड़क परिवहन और राजमार्ग मंत्रालय)  
**National Highways Authority of India**  
(Ministry of Road Transport & Highways)

परियोजना कार्यान्वयन ईकाई  
**Project Implementation Unit**

प्लॉट नं: 74, वनमाली भवन, एन.ए.सि. कल्याणा वेदिका के बगल में,  
कमर्शियल टैक्सेज कॉलोनी, गुरुनानक नगर रोड, विजयवाड़ा-520 008.  
Plot No. 74, Vanamali Building, Beside N.A.C. Kalyana Vedika,  
Commercial Taxes Colony, Gurunanak Nagar Road, Vijayawada-520 008.

दूरभाष / Phone : 0866 - 2543496  
ई-मेल / E-mail : vij@nhai.org  
nhaipiuvi@gmail.com



**भारतमाला**  
प्रगति के पथ पर अग्रसर  
**BHARATMALA**  
ROAD TO PROSPERITY

Ref : 11082-BSNL/PIU/V/NHAI/2018/ 1714

4<sup>th</sup> December, 2018

To  
**The Regional Officer,**  
National Highways Authority of India,  
Regional Office,  
Vijayawada.

Dam.T. B.K.

10.12.18



Sir,

Sub : NHAI, PIU, Vijayawada - Proposal for laying of OFC along NH-16 from Km 1079.660 to Km 1058.100 including 4 crossings on Vijayawada - Gundugolanu Section of NH-16 (Old NH-5) by BSNL, Vijayawada - Reg.

Ref : 1) BSNL, Vijayawada Lr.no. G-739/DET/OFP/VJ/VJ E10B-DTS BYZ.HJN/2018-19/15, dated 03.09.2018.

2) TL M/s. S.A. Infrastructure Consultants Pvt. Ltd. Lr.no. 13692/SA INFRA-IE/V-G/NH16/315, dated 01.10.2018.

It is to submit that M/s. BSNL, Vijayawada vide reference 1<sup>st</sup> cited has requested permission for laying of Optical Fiber Cable along NH-16 (Old NH-5) from Km 1079.660 to Km 1058.100 including 4 crossings for a total length of 21560 m, on Vijayawada - Gundugolanu Section of NH-16 in the State of Andhra Pradesh.

The proposal has been scrutinized by IE vide reference 2<sup>nd</sup> cited as per the Ministry Circular No. RW/NH-333044/27/2005-S&R(R) (pt.) dt 07-08-2013 and as per MoRTH guidelines vide Lr.no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016. The proposal of the agency and the comments/recommendations of IE have been examined and the following are submitted.

- 1) M/s. BSNL, Vijayawada has proposed to lay Optical Fiber Cables along NH-16 (Old NH-5) from Km 1079.660 to Km 1058.100 including crossings at 4 locations, for a total length of 21560 m.
- 2) The agency proposed to lay optical fiber cables in the utility corridor at the edge of RoW.
- 3) HDD Method is proposed for crossing of the Highway at 4 Nos. road crossings viz. Km 1079.000, Km 1073.250, Km 1065.250 & Km 1058.300.

Contd..2

- 4) The width of RoW varies from 10.82 m - 35 m towards LHS from center line.
- 5) License Deed has been submitted by M/s. BSNL in the prescribed format.
- 6) Construction Methodology of Optical Fibre Cable by HDD method is enclosed which is in order.
- 7) The enclosed plan showing the locations for laying of OFC is in order.
- 8) Cross section showing the size of pit and location of cable for HDD method is enclosed.
- 9) Strip plan / Route plan showing the OFC, Chainage, distance of proposal cable from the edge of ROW, are enclosed.
- 10) Checklist enclosed for getting approval for laying of optical fiber cables on NH land is in order.
- 11) Necessary undertakings are also submitted by M/s. BSNL.
- 12) Certificate from the Project Director is also enclosed.
- 13) The proposal submitted by M/s. BSNL is in conformity with the Ministry Circular No.RW/NH-333044/27/2005-S&R(R) (pt.) dt 07-08-2013 and as per MoRTH guidelines vide Lr.no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016.
- 14) The said proposal has been verified and certified that the proposal is in order as per guidelines.
- 15) Requisite Performance Bank Guarantee @ Rs.100/- per route meter along with License fee for 5 years as per MoRTH guidelines dated 22.11.2016 will be obtained from the agency, upon approval of the above proposal.

In view of the above, the proposal of M/s. BSNL, Vijayawada, for laying of Optical Fiber Cable along NH-16 (Old NH-5) from Km 1079.660 to Km 1058.100 including 4 crossings for a total length of 21560 mts on Vijayawada - Gundugolanu Section in the State of Andhra Pradesh is herewith recommended and with a request to accord approval for the same, at the earliest please.

Encl : As above.

Yours faithfully,


  
(M. Vidya Sagar)  
Project Director  
PIU-Vijayawada

4/14/18

### DOCUMENTS ACCOMPANYING THE PROPOSAL

Name of Work : Proposal for laying of Optical Fiber Cable along NH-16 (Old NH-5) from Km 1079.660 to Km 1058.100 including 4 crossings for a total length of 21560 mts on Vijayawada - Gundugolanu Section in the State of Andhra Pradesh - Reg.

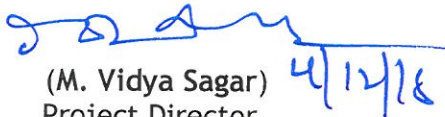
- 1) Checklist for getting approval for laying of optical fiber cables on NH land
- 2) Agreement regarding granting of ROW permissions for laying OFC cables / ducts
- 3) Format for maintaining records of ROW permission granted for laying OFC
- 4) Undertaking for relocation of cable lines / utilities at their own cost
- 5) Undertaking for not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency
- 6) Indemnity Bond
- 7) ROW plans
- 8) Typical cross section of Ducts
- 9) Construction Methodology of OFC laying
- 10) Certificate from the Project Director

  
(M. Vidya Sagar) 4/12/18  
Project Director,  
NHA1, PIU-Vijayawada.



### CERTIFICATE

1. It is certified that all Standard Conditions specified in the proposal from M/s. BSNL for permission for laying of Optical Fiber Cable along NH-16 (Old NH-5) from Km 1079.660 to Km 1058.100 including 4 crossings for a total length of 21560 mts on Gundugolanu - Vijayawada Section in the State of Andhra Pradesh is in conformity of Ministry Circular No. RW/NH-333044/27/2005-S&R(R) (pt.) dt. 07-08-2013 and as per MoRTH guidelines vide Lr.no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016.
2. It is further certified that there will be no hindrance to proposed six-laning and the OFC proposed for laying is at the extreme edge at ROW.
3. It is to certify that upon receipt of approval for the above proposal, the same will be entered in the Register of Records of the Permissions in the prescribed proforma.

  
(M. Vidya Sagar)  
Project Director,  
NHAI, PIU-Vijayawada. 4/12/18

HIGHWAYS AUTHORITY OF INDIA  
PIU-VIJAYAWADA

showing list of previous approvals

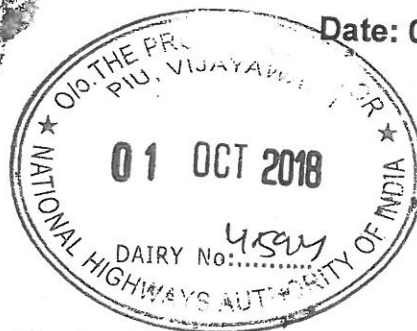
Sl.No.	Location (Chainage in Km)	Left or Right (towards chainage/km)	Section and reach	Kind of service	Name of License and contact address	Date of Approval
1	Km 1089.773 to Km 1094/280 (LHS) & Km 1094.750 to Km 1099.000	LHS	Gundugolanu - Vijayawada Section of NH-5	OFC	Reliance Jio Infocomm Ltd. 3rd Floor, Maker Chambers IV, Nariman Point, Mumbai	08.07.2014
2	Km 1099.000 to Km 1100.750	LHS	Gundugolanu - Vijayawada Section of NH-5	OFC	Reliance Jio Infocomm Ltd. 3rd Floor, Maker Chambers IV, Nariman Point, Mumbai	30.01.2015
3	Km 1022.480 to Km 1058.000	LHS	Gundugolanu - Vijayawada Section of NH-5	OFC	M/s. PICG Defence Services, Air Force Station, Suryalanka	13.05.2016
4	Km 1097.812	Crossing at Km 1097.812	Gundugolanu - Vijayawada Section of NH-5	MDPE Pipeline	M/s. Bhagyanagar Gas Limited, Vijayawada	01.05.2018
5	Km 1093.294 to Km 1079.679	LHS	Gundugolanu - Vijayawada Section of NH-5	OFC	BSNL, Vijayawada	20.07.2018

  
Project Director  
NHAI, PIU-Vijayawada

Lr. No. 13692/SA INFRA-IE/V-G /NH16/315

Date: 01/10/2018

To  
The Project Director,  
Project Implementation unit,  
National Highways Authority of India,  
Vijayawada.



**Project:** Independent Engineer Services for Six Laning of Vijayawada-Gundugolanu Section of NH-16 from Km 1076.480 to Km 1022.480 including Six Lane Hanuman Junction Bypass (Length: 6.720 Km.) and Four Lane Vijayawada Bypass (Length: 47.880 Km.) (Total Length: 103.590Km.) in the State of Andhra Pradesh under NHDP-V to be executed in BOT (Toll) on DBFOT basis.

**Sub:** Proposal for Laying of OFC along NH-16 from Km 1079.660 to Km 1058.100 including 4 crossings on Vijayawada - Gundugolanu Section of NH-16 (Old NH-5) by BSNL, Vijayawada - Report - Submitted - Reg.

**Ref:** PD, PIU, NHAI, Vijayawada Lr. No.1216 dated 10/09/2018.

Sir,

With reference to above, it is informed that a joint inspection was conducted along with representatives of M/s BSNL on 28/09/2018 and the following are our observations.

- 1) M/s BSNL have submitted Strip Chart showing ROW not matching with NHAI Records. The same was informed to M/s BSNL and accordingly the corrected Strip Charts were submitted by M/s BSNL on 28/09/2018
- 2) The Detailed Calculation Sheet towards License Fee for Public Utilities is verified and found correct for an amount of Rs.3,52,830/-
- 3) M/s BSNL proposed that in absence of availability of cable ducts on Bridges, OFC shall be clamped outside the parapet wall of the Bridge vide item No-2.4.3 of Check List.

But, as per Para 2.5 of MoRT&H Circular No. RW/NH-33044/29/2015/S&R(R) dated 22/11/2016, no Utility Service shall be laid over existing Culverts and Bridges except through the Utility Ducts where such provision exists. In case of absence of such provision, the Licensee shall make his own arrangement for crossing of Cross Drainage Structures, Rivers, etc. below the bed.

Again, as per Para 8 of Draft Agreement, the Licensee shall make his own arrangement for crossing of Cross Drainage Structure, Rivers, etc. below the bed. In



case, this is not feasible, the Utility Services may be carried outside the railings / parapets and the Bridge Super Structure. The fixing and supporting arrangements with all details shall be required to be approved in advance from the concerned Highway Administration. Additional cost on account of fixing and supporting arrangements as assessed by the Authority shall be payable by the Licensee.

In view of above conditions, Authority may inform the same to M/s BSNL before they proceed with laying of OFC on Bridge Structures.

Submitted for favor of information.  
Assuring our best services at all the times.

Yours faithfully



(Venkata Rama Rao Kaza)

Team leader,

V- G Project, NH-16,

SA Infrastructure Consultants Pvt. Ltd.,

Vijayawada.

Encl : Application of M/s BSNL in original along with encloses.

CC: 1. The Regional Officer, NHAI, Vijayawada for kind information.  
2. Sh. Dipak Kumar Vice President, SA Infrastructure Consultants, New Delhi for information.



BHARAT SANCHAR NIGAM LIMITED  
(A Govt. of India Enterprises)

Application for permission along NH-16 (Old NH-5) for  
OF Cable laying

from KM 1079/6+60 to 1058/1+00 between  
Vijayawada - Gundugolanu

ROUTE: VJ(E10B) - DTS Talaprolu - H. Junction T/E -  
DTS NUZIVID H. Junction m/w.

Divisional Engineer Telecom,  
Bharat Sanchar Nigam Limited,  
Optical Fibre Project,  
Vijayawada.

**इंडियन बैंक**  
Indian Bank  
(सर्वोत्कर्ष शाखा / ISSUING BRANCH)

VO18--VIJAYAWADA(00045)

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(अदाकर्ता शाखा Drawee Branch)

T17/MDDW

*Thiruv*

अधिकृत हस्ताक्षरकर्ता  
Authorised Signatory (S.S. No.)

अधिकृत हस्ताक्षर  
Authorised Signatory (S.S. No.)

Please sign above

11117611 0000190001

15



Annexure-III

[Enclosure to Ministry Circular No. RWINH-33044/17/2005-S&R(R) (Pt.) dated 06.08.2013]

Format for Maintaining Records of Right-of-Way permission granted for laying OFC

(to be maintained separately for every NH and State)

1 Name of State : Andhra Pradesh

2 Name of Agency : NHAI

3 NH Number : NH-16 (Old NH-5)


S.No	Location (change in Km)	Left or right side of NH (towards increasing chainage/ km direction	Section and reach	Kind of service	Name of license and contact address	Date of signing of agreement	Date of validity of agreement	Date of last inspection of site	Any deviation from MOST standard norms	Remarks
1	KM 1079/6+60 to 1058/1+00	LHS	Gannavaram Gandhi Chowk to Hanuman Junction	Telecom	Bharat Sanchar Bhawan, Harish Chandra Mathur Lane, 10 Janpath, New Delhi				No	


*P. L. M. Lakshmi*  
मडल अभियंता, भस्मनिल  
Divisional Engineer, BSNL  
म. तं. परियोजना O.F. Projects  
दिल्लयवाडा / Vijavawada

## 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 (Old NH-5)	
1.3	State	ANDHRA PRADESH	
1.4	Location	Vijayawada - Gundugolanu	
1.5	Chainage/Km (1079+660 to 1058+100)	KM 1079/6+60 to 1058/1+00	
1.6	Length in Meters	21560m	
1.7	Width of available ROW		
	a)Left side from center line towards increasing chainage /km direction	Varies from 10.82 to 35 mts	
	b)Right side from center line towards increasing chainage /km direction	—	
1.8	Proposal to lay the utility		
	a)Left side from center line towards increasing chainage /km direction	Varies from 12 to 34 Mtrs	
	b)Right side from center line towards increasing chainage /km direction	—	
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	Not Available	
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)	6 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	—	
	b)Right side from center line	—	

  
 Project Director  
 NHAI, PIU, VIJAYAWADA 4/12/18

  
 मंडल अभियंता, भारतसि  
 Divisional Engineer, BSNL  
 प. तं. परियोजना O.E. Projects  
 विजयवाडा / Vijayawada

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	Road crossings : 1079/000 ; 1073/250 ; 1065/250 ; 1058/300	
	a)whether the existing drainage structures are allowed to carry the utility pipeline	NO	
	b)is it on aline normal to the NH	NO	
	c)What is the distance of crossing the utility pipelines from the existing structurescrossing shall not be too near the existing structures on the national highway. The minimum distance being 15 meter.	NA	
	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	NA	
	Mention type of casing	NA	
	e)Ends of the casing /Conduit pipe shall be sealed from	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.	Road crossings will be done by means of HDD.	

  
**Project Director**  
 NHAI, PIU, VIJAYAWADA

  
**Divisional Engineer, BSNL**  
 प्र. तं. परियोजना O.F. Project  
 विजयवाडा / Vijavawada




	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	
2	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	
2.4	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	

  
 Project Director  
 NHAI, PIU, VIJAYAWADA

P. V. M. Lutech  
 मंडल अभियंता, भसन्निलि  
 Divisional Engineer, BSNL  
 प. तं. परियोजना O.F. Projects  
 विजयवाडा / Vijavawada

	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 expeince of agency owing the utility line	YES	
2.4.2	Horizontal Directional Drilling method(HDD method)	YES, at builtup areas, road crossings, culvert/bridges, weighing bridges, petrol bunks etc along the road HDD proposed.	
2.4.3	Methodology for laying of the pipeline through CD works and method of laying		
	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® DATED 22-11-2016 is obtained	Undertaking for submission of BG has been obtained from M/s. BSNL	

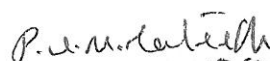
  
 Project Director  
 NHAI, PIU, VIJAYAWADA

  
 मंडल अभियंता, भस्मनिलि  
 Divisional Engineer, BSNL  
 प्र. तं. परियोजना O.F. Project  
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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		
5.1	Undertaking for not to damage any other utility ,if damaged then to pay the losses eithe to NHAI/NH or to the concerned agency	Enclosed	
5.2	Undertaking for renewal of BG as when asked by MORTH/NHAI/NH	Enclosed	
5.3	Undertaking for confirming all standsard condition of Minsttry /NHAI/NH guide lines	Enclosed	
5.4	Undertaking for indemnity againsst all damages and claims	Enclosed	
5.5	Uddertaking for management of traffic moment during laying of utility line witout hampering the traffic	Enclosed	
5.6	Undertaking that if any claim is raised by the concessionaire /contractor then the same ha to be paid by applicant	Enclosed	
5.7	Undertaking that prior approval of the NHAI/NH shallbe obtaine befor 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 rpairing 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 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 clrance as applicable .before applying to Highway administration	N.A	
5.11	if the MORTH/NHAI/NH 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/NH at the cost of the agency owning th eutility line with in a resoanble time (not exceeding 60 days )of the intimation given	Enclosed	


  
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5.12	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/NH for future six laneing/any other development"	Enclosed	
6	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	
7	The project director will submit the following certificates		
7.1	certificate that the proposal is conforming to all standard conditions issued vide ministers circular no:RW/NH/33044/29/2015/S&R®DATED 22-11-2016.	Enclosed	
7.2	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"		
8	If NH/NHAI 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 coessionaire 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	
9	who will supervise the work of laying of Optical Fibre Cable.		
	a) On behalf of the applicant	Engineer-In charge, STP O.F.Projects,BSNL, Vijayawada	
	b) On behalf of MORTH /NH	NHAI, PIU, Vijayawada / Supervision Consultant	

  
 Project Director  
 NHAI, PIU, VIJAYAWADA  
 4/1/16

  
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 विजयवाडा / Vijayawada

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		
	a)on behalf of the applicant	NA	
	b)on behalf of NHAI/NH	NHAI, PIU, Vijayawada / Supervision Consultant	
11	Who will pay the claims for damages done /disruption in working of concesionaire if asked by the concessionaire		
	on behalf of Applicant	Bharat Sanchar Nigam Limited	
12	A certificate from PD that he will enter the propoded permission in the registerof records of the permissions in the prescribed proforma(copy enclosed)		
13	if any previous approval is accorded for laying of underground gas pipeline then photocpy of register of records/permissions accorded(as maintained by PD) be enclosed.		

*P. V. M. Lulethu*  
Name /Designation/Signature of the  
authorized representative of the aplicant

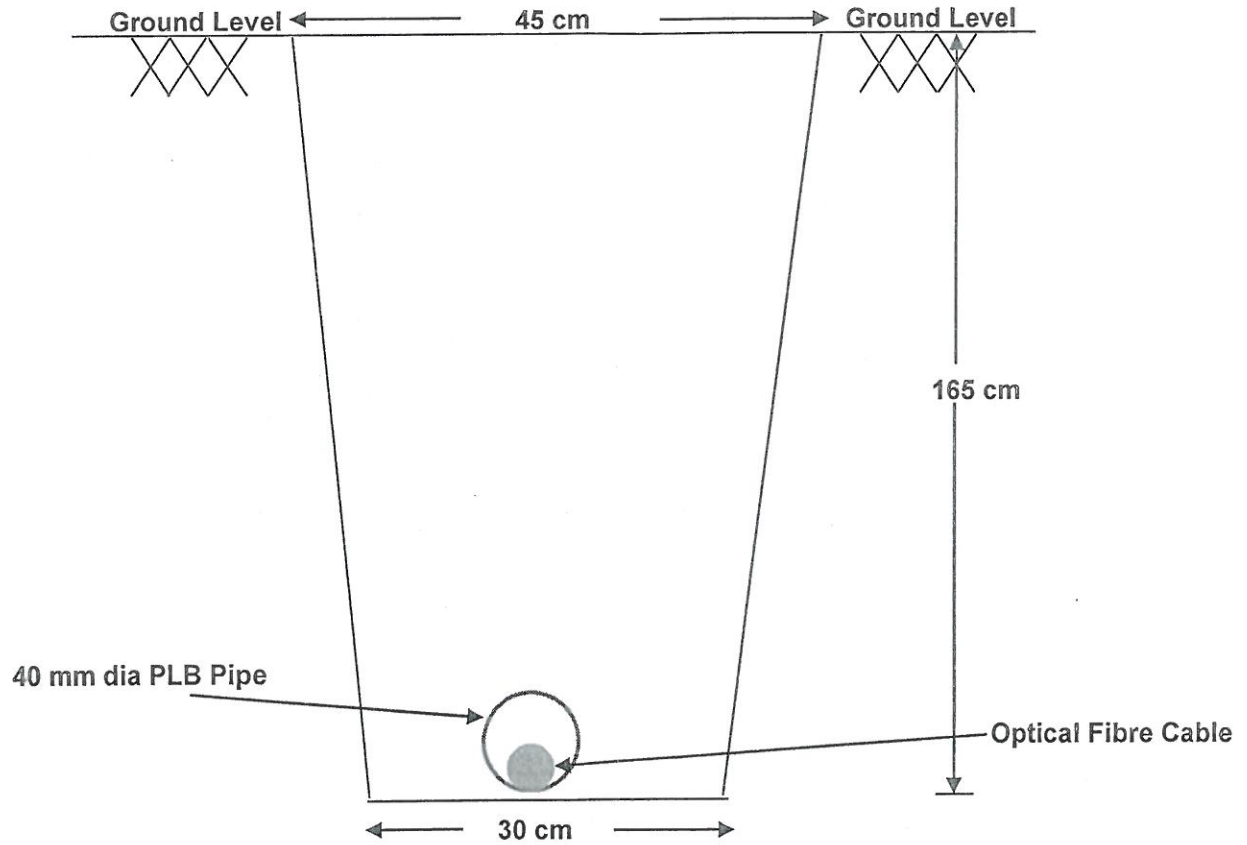
मंडल अभियंता, भसंनिलि  
Divisional Engineer, BSNL  
५. तं. परियोजना O.F. Projects  
विजयवाडा / Vijayawada

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

*Project Director*  
NHAI, PIU, VIJAYAWADA

*Per*

## CROSS SECTION OF OPTICAL FIBRE CABLE TRENCH



*[Signature]*  
Project Director  
NHAI, PIU, VIJAYAWADA  
*[Signature]*

*[Signature]*  
मंडल अभियंता, भसंनिलि  
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