



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

फैक्स / Fax : 0866-2474496

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

Ref : NHAI/RO-VJA/C-V/2017-18/ 0037-

Date : 05-01-2018

To

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

Sub: 6-laning of Chilakaluripet to Vijayawada section of NH-16 - Permission requested for laying of Optical Fiber Cable along the stretch Guntur to Chilakaluripet (from Km.395/400 to Km.364/175 - between Saakshi News Paper Office at Guntur to Chilakaluripet Telephone Exchange) & across at 25 locations on NH-16 by BSNL, Guntur - Public comments - Reg.


Sir,

Please find enclosed herewith a proposal of M/s. BSNL seeking NOC for laying of Optical Fiber Cable along the stretch from Guntur to Chilakaluripet (from Km.395/400 to Km.364/175 - between Saakshi News Paper Office at Guntur to Chilakaluripet Telephone Exchange) & across at 25 locations.

As per MORTH guidelines vide letter No. RW/NH-33044/29/2015/S&R® dated 22nd November 2016, the application along with the recommendation of PD, PIU - Amaravathi 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
RO - Vijayawada

Copy to: 1) PD, PIU - Amaravathi - for information
2) BSNL, Guntur - 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.

टेली / Tele : 0866-2483910

फैक्स / Fax : 0866-2474496

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

Ref : NHAI/RO-VJA/C-V/2017-18/००३८ .

Date : 05-01-2018

INVITATION OF PUBLIC COMMENTS


Sub: 6-laning of Chilakaluripet to Vijayawada section of NH-16 - Permission requested for laying of Optical Fiber Cable along the stretch Guntur to Chilakaluripet (from Km.395/400 to Km.364/175 - between Saakshi News Paper Office at Guntur to Chilakaluripet Telephone Exchange) & across at 25 locations on NH-16 by BSNL, Guntur - Public comments - Reg.

The Project Director, PIU - Amaravathi submitted a proposal of BSNL, Guntur for laying of Optical Fiber Cable along the stretch from Guntur to Chilakaluripet (from Km.395/400 to Km.364/175 - between Saakshi News Paper Office at Guntur to Chilakaluripet Telephone Exchange) & across at 25 locations.

As per MORTH guidelines vide letter No. RW/NH-33044/29/2015/S&R® dated 22nd 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


(Anil Dixit), 5.1.18
Regional Officer



National Highways Authority of India

Project Implementation Unit, Amaravati, AP

Door No. 136/A, 106 & 107, 1st Floor, Vasantha Residency,
MANGALAGIRI - 522 503. Guntur District, Andhra Pradesh

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

परियोजना कार्यान्वयन ईकाई, अमरावती, आंध्रप्र.

ई-मेल / E-mail : piumaravati@nhai.org
nhaipumaravati@gmail.com

PA/BS
DK
26/12/17

NHAI/PIU-Amaravati/ 11013/13(OFC)/2016/Vol.-1/ 470

Dated 23.12.2017

To
The Regional Officer
National Highways Authority of India
VIJAYAWADA



Sir,

Sub: NHAI - PIU, Amaravati - 6-laning of Chilakaluripet to Vijayawada section of NH-16 -
Permission requested for laying of Optical Fiber Cable along the stretch Guntur
to Chilakaluripet (from Km.395/400 to Km.364/175 - between Saakshi News
Paper Office at Guntur to Chilakaluripet Telephone Exchange) & across at
25 locations on NH-16 by BSNL, Guntur - Approval - Requested - Reg.

Ref: 1. DE, BSNL, Guntur Lr. No. DE/OFP/GTR/Div-1/GNT-CHPT/NH-16 Perm./2017-
18/2, Dt.01.11.2017
2. PIU-Amaravati Lr. No. PIU-Amaravati/11013/13/2016/Vol.1/370, Dt.02.11.2017.
3. IE M/s. Aarvee Lr. No. AA/OM/1956/VJA/NHAI/Permissions/17-18/505,
Dated 21/11/2017.

The Divisional Engineer, M/s. Bharat Sanchar Nigam Limited, Guntur vide letter 1st cited above furnished proposal to lay Optical Fiber Cable along the stretch from Guntur to Chilakaluripet (from Km.395/400 to Km.364/175 - between Saakshi News Paper Office at Guntur to Chilakaluripet Telephone Exchange) & across at 25 locations (Km.365/000, Km.366/500, Km.366/250, Km.367/300, Km.368/550, Km.369/850, Km.370/750, Km.373/900, Km.373/200, Km.376/00, Km.379/700, Km.379/3400, Km.380/230, Km.383/000, Km.383/960, Km.385/070, Km.387/520, Km.389/000, Km.389/500, Km.391/500, Km.393/650, Km.393/200, Km.394/500, Km.395/365, Km.395/400) on NH-16 (Old NH-5), in the State of Andhra Pradesh and requested for approval of NHAI.

In this connection, it is to inform that this office vide letter 2nd cited above forwarded the above proposal to the Independent Engineer M/s. Aarvee Associates to examine the same. The Independent Engineer vide letter 3rd cited above furnished his comments. A copy of the same is herewith enclosed for perusal.

In this regard, it is to inform that the proposal is examined in accordance with Ministry Guidelines dated 22.11.2016 and the following is submitted:

- (1) As per the Plan submitted, the applicant BSNL proposed to lay the optical Fiber Cable with single line in open trench method. The trench will be in the ROW within 2M utility corridor and will be kept straight along highway. At road crossings, restricted ROW, Drains, Culverts, Bridges the applicant has proposed Horizontal Directional Drilling method (HDD method).

V. J. V. S.

- (2) The Applicant proposed to lay the single duct with Horizontal Direction Drilling (HDD) method across the highway at about 25 locations (Km.365/000, Km.366/500, Km.366/250, Km.367/300, Km.368/550, Km.369/850, Km.370/750, Km.373/900, Km.373/200, Km.376/00, Km.379/700, Km.379/3400, Km.380/230, Km.383/000, Km.383/960, Km.385/070, Km.387/520, Km.389/000, Km.389/500, Km.391/500, Km.393/650, Km.393/200, Km.394/500, Km.395/365, Km.395/400) between Km.364.175 and Km. 395.400.
- (3) Applicant submitted Methodology for OFC laying, Typical cross section of Optical Fiber Cable trench and typical cross section for HDD with methodology.
- (4) Undertaking as per Sl. No.5 of Check-list of Ministry guidelines dated 22.11.2016
- (5) Undertaking to not to damage and indemnify NHAI and Indemnity Bond as per NHAI/MoRTH guidelines.
- (6) The license fee for an initial period of five years, to be furnished by BSNL, is calculated for Rs.2,42,051/- as per MoRTH guidelines vide letter no.RW/NH-33044/29/2015/S&R(R), Dt.22.11.2016.


The Divisional Engineer, M/s. Bharat Sanchar Nigam Limited, Guntur, furnished necessary undertakings in compliance to the Ministry / NHAI Circulars dated 20.03.2009, 07.08.2013 & 22.11.2016.

The Divisional Engineer, M/s. Bharat Sanchar Nigam Limited, Guntur, furnished an Undertaking for submission of Performance Security Bank Guarantee at Rs.100/- per route meter as when informed by NHAI for laying along & across NH for a total length of 34226 meters.

Since, the above proposal submitted by the Divisional Engineer, M/s. Bharat Sanchar Nigam Limited, Guntur has been verified in accordance with latest guidelines of NHAI / MORT&H and is found to be in order, the same is recommended for according permission for laying of Optical Fiber Cable along the stretch from Guntur to Chilakaluripet (from Km.395/400 to Km.364/175 - between Saakshi News Paper Office at Guntur to Chilakaluripet Telephone Exchange) & across at 25 locations (Km.365/000, Km.366/500, Km.366/250, Km.367/300, Km.368/550, Km.369/850, Km.370/750, Km.373/900, Km.373/200, Km.376/00, Km.379/700, Km.379/3400, Km.380/230, Km.383/000, Km.383/960, Km.385/070, Km.387/520, Km.389/000, Km.389/500, Km.391/500, Km.393/650, Km.393/200, Km.394/500, Km.395/365, Km.395/400) on NH-16 (Old NH-5) in the State of Andhra Pradesh, at earliest please.

Yours faithfully,

Encl: OFC Proposal - 2sets


(Dr. T. SRINIVAS)
Project Director
PIU-Amaravati

Independent Engineer during O&M period for 6-Laning
of Chilakaluripet - Vijayawada section of NH-5 in the
State of Andhra Pradesh on DBFOT pattern

Letter No. AA/OM/1956/VJA/NHAI/Permissions/17-18/SOS

Date: 21st November 2017

To,
The Project Director,
National Highways Authority of India,
PIU-Amaravati, Dr.No.136/A, 106 & 107,
Lakshmi Narasimha Colony, Vasantha Residency,
Mangalagiri, Guntur District, A.P - 522503.

National Highways Authority of India	
Dy No:	758
Date:	22/11/2017
O/o. THE PROJECT DIRECTOR	
PIU, AMARAVATI, A.P	

Sm
PA/Huss

Project: Operation & Maintenance of "6-laning of Chilakaluripet-Vijayawada section of NH-5 (New No. NH-16) from Km. 355+000 to Km. 434+150.

Sub: NHAI, PIU-Amaravati – Chilakaluripet-Vijayawada section of NH-16 -Permission requested for laying of BSNL OF Cables along NH-16 between Saakshi Newspaper Office, Guntur to Chilakaluripet Telephone Exchange – Reg.

Ref: Lr. No.NHAI/ PIU-Amaravati /11013/13/2016/ Vol.-1/370, dated 02.11.2017 of PIU Amaravathi.

Sir,

With reference to the letter cited above, it is to inform that DE, BSNL, Guntur has requested to examine the proposal and grant permission to lay BSNL OF Cables along NH-16 between Saakshi Newspaper office, Guntur (Km.395+400) to Chilakaluripet Telephone Exchange (Km.364+175). IE along with Concessionaire's representative inspected the site in detail as per Ministry guidelines vide F. No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 and the observations are here under:

The applicant has submitted:

- I. Check list
- II. Draft license agreement regarding granting of ROW permission for laying telecom cable / O.F. Cable / ducts.
- III. Undertaking for submission of Performance Bank Guarantee @ Rs.100/- per route meter.
- IV. Undertaking for Shifting / Relocation of O.F. Cable (as per Sl.No.5 of Check list).
- V. Undertaking for no damages in carrying out works.
- VI. Indemnity Bond.
- VII. Undertaking to carryout HDD works.
- VIII. License Fee estimate for laying optical Fiber cable on NH-16 with supporting docs.

Contd.....2.....


::2::

1. As per the plan submitted, the applicant has proposed to lay the optical Fiber Cable with single line in open trench method. The trench will be in the ROW within 2M utility corridor and will be keep straight along highway. At road crossings, restricted ROW, Drains, Culverts, Bridges the applicant has proposed Horizontal Direction Drilling method (HDD method).
2. The applicant has proposed to lay the single duct with Horizontal Direction Drilling (HDD) method across the Highway at about 25 locations in between km.364.175 to km.395.400 from RHS to LHS.
3. Applicant submitted the typical cross section of Optical Fiber Cable trench and typical cross section for HDD with methodology.

In view of the above we found the proposal submitted by DE, BSNL, Guntur for laying of O.F. Cables is in order. Hence, competent Authority may take a suitable decision to accord permission to lay BSNL O.F. Cables as requested by the applicant.

This is for favour of information.

Yours faithfully,



(M. PITCHI REDDY)

Team Leader

Chilakaluripet - Vijayawada O&M Project

CC to:1) Mr. Ravi Kiran – Chief of Operation & Maintenance, VTPL, Kaza.

2) Mr. K. Srinivasa Rao – Project Head, M/s. Aarvee Associates, HO, Hyderabad.

मंडल अभियंता,

DIVISIONAL ENGINEER,

प्रकाश तंतु परियोजना, मंडल-1

Optical Fibre Projects, Division-1,

स्टम्बलगरुव टीपेफोन एक्सचेंज

Stambalagaruvu Telephone Exchange,

गुंटूर -522001-Guntur - 522 001



भारत संचार निगम लिमिटेड

(भारत सरकार का उद्यम)

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

0863 ; DE: 0863-2248201, fax : 0863-2248001.

To

The Project Director,

NHAL,

AMARAVATHI,

GUNTUR.

National Highways Authority of India
By No: 584
Date: 01/11/2017
O/o. THE PROJECT DIRECTOR
PIU, AMARAVATHI, A.P.

On
18/11/2017
Adm SE m
Prinny.

सं /No:DE/OFP/GTR/Div-1/GNT-CHPT/NH-16 Perm./2017-18/2

Dated 01-11-2017.

विषय/Sub :- Request for Providing Way Leave Permission (WLP) for Laying of New Optical Fibre Cable, (belongs to BSNL) along and across NH-16 (Guntur-Chilakaluripeta Section) from Km 395.400 to Km 364.175 between Saakshi News paper Office Guntur to Chilakaluripeta Telephone Exchange.-----reg.

* * *

This project unit of BSNL has taken up the work of providing Optical Fibre Connectivity between Guntur-Chilakaluripeta for providing effective digital transmission services. In this regard we are herewith submitting the following documents (4 sets) to accord permission to carry out the above route work along and across NH-16 between **Saakshi News paper Office(Km.395/400) Guntur to Chilakaluripeta Telephone Exchange(km.364/175).**

1. Enclousers to ministry of road transport
2. Check list -13 paras
3. Typical cross section of open trenching method
4. Typical cross section of HDD
5. Route(NH-16) ROW drawings
6. Methodology of laying OFC
7. Google Map
8. MoRTH Agreement
9. License Deed for laying Optical Fibre Cable on NH -16 with supporting docs.
10. Undertaking for submission of Performance BG
11. Undertaking for Shifting/Relocation of O.F.Cable(as per sl.no.5 of check list
12. Undertaking for no damages in carrying out works.
13. Indemnity Bond
14. Undertaking to carryout HDD works
15. certificate

Hence it is requested to accord necessary permission for carrying out the works between **Saakshi News paper Office(Km.395/400) Guntur to Chilakaluripeta Telephone Exchange(km.364/175).** as a part of GUNTUR(ASHOKNAGAR) TO CHILAKALURIPETA 24F New OFC Route.

Thanking you sir,

मंडल अभियंता / Divisional Engineer,
प्रकाश तंतु परियोजना / Optical Fibre Project,
मंडल -2 / Division-I
गुंटूर-522 001 / Guntur-522 001

Copy to : DGM, NIB II, Hyd for information please.

Encl: As above with 04 sets of Copies.

Enclosures to ministry of road transport & Highways letter No. RW/NH-33044/27/2005/S&R (R)(PT), Dt: 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 the State : Andhra Pradesh
- 2 Name of Agency (PWD / BRO/NHAI) : NHAI
- 3 Name of PWD Division or Equivalent : Divisional Engineer, BSNL, Div.-1, Optical Fibre Project, Div-1, BSNL, GUNTUR -522 001
- 4 NH Number : NH-16 (Old NH No. 5)

S. No.	Location (Chainage in Kms)	Left or right side if NH (towards increase in chainage / Km Direction)	Section and reaction	Kind of Service	Name of Licensee and contract Address	Date of Signing of Agreement	Date of Validity of Agreement	Date of last inspection agreement of site	Any deviation from MORTH standard norms	Remarks
1	GUNTUR-CHILAKALURIPETA OF NH-16(OLD NH-5) Km. 395.400 to Km. 364.175 Road Crossings =25no's(3000m) Total Length=31.225+3000=34.225 Kms.	Right Side		Telephone Service	Divisional Engineer, Optical Fibre Projects, Div-1, BSNL GUNTUR -522001				-No-	

Place: Guntur
Date:

SIGNATURE OF THE APPLICANT


Project Director,
NHAI, PIU, AMARAVATI


प्रदेश अभियंता/DIVISIONAL ENGINEER
प्रकाश तंतु परियोजना/OPTICAL FIBRE PROJECTS
प्रभाग-1/DIVISION-1 गंटूर/GUNTUR-522 006

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	GUNTUR-CHILAKALURIPETA	
1.5	Chainage/Km	Km. 395.400 to Km. 364.175	
1.6	Length in Meters	31225+3000=34225 Mtrs (3000m for 25no's NH road crossings separate list enclosed)	25x120 =3000
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	Varieing from 18.6 Mtrs to 58Mtrs (AS PER SHEET ATTACHED)	
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	In the utility corridor and with HDD at drainage, culverts and bridges.	
1.9	proposal to acquire the land	Already acquired for 6 laning	
	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	Already acquired for 6 laning	
	if not then where to lay the cable	After acquiring the cable will be laid	
1.11	Details of already laid services, if any along the proposed route	Reliance	
1.12	Number of Existing lanes(2,4,6,8 lanes)	4 lanes, 6 Lane	Km364.175 to 372.00--- 4L and Km372.00 to 395.400--6L
1.13	proposed number of lanes (2lane with paved shoulders/4/6/8 lanes)	...	
1.14	Service road existing or not	yes	
	if YES then which side		
	a)Left side from center line	yes	
	b)Right side from center line	yes	
1.15	Proposed Service road		
	a)Left side from center line	NA	
	b)Right side from center line	NA	

मंडल अभियंता/DIVISIONAL ENGINEER


प्रकाश तंतु परियोजना/OPTICAL FIBRE PROJECTS

मंडल-1/DIVISION-1 गंतार/GUNTUR-522 006

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	Yes , BY HDD Methodology	
	a)whether the existing drainage structures are allowed to carry the utility pipeline	NO	
	b)is it on a line normal to the NH	yes	
	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	


 डिविजनल अभियंता/DIVISIONAL ENGINEER
 प्रकाश तंतु परियोजना/OPTICAL FIBRE PROJECTS
 मंडल-1/DIVISION-1 गुंटूर/GUNTUR-522 006


	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	Yes ,standard size	✓
	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 methodology 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	✓


 मंडल अभियंता/DIVISIONAL ENGINEER
 प्रकाश तंतु परियोजना/OPTICAL FIBRE PROJECTS
 मंडल-1/DIVISION-1 गूंदूर/GUNTUR-522 006.

	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 addtion 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	/
2.4.2	Horizontal Directional Drilling method(HDD method)	For road crossing and where restricted ROW,drains,culverts and bridges.	/
2.4.3	Methodology for laying of the pipeline through CD works and method of laying	Yes by HDD	/
	in cases where the carrying of gas pipeline on the bridge becomes inescapable		
3	Draft license agreement is signed by two witnesses	Enclosed	X
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	/


 डिविजनल अभियंता/DIVISIONAL ENGINEER
 प्रकाश तंतु परियोजना/OPTICAL FIBRE PROJECTS
 पदल-1/DIVISION-1 गंटूर/GUNTUR-522

4.1	Confirmation of BG has been obtained or not as per MORTH/NHAI guide lines	BG shall be submitted as per NHAI Guidelines	
5	Affidavit /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 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	


 मंडल अभियंता/DIVISIONAL ENGINEER
 प्रकाश तंतु परियोजना/OPTICAL FIBRE PROJECTS
 मंडल-1/DIVISION-1 गुंटूर/GUNTUR-522 006

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 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 confirming 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	NA	
	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 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 _395.400 _____ to Km _364.175_____ 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.C.Projects,BSNL, GUNTUR	/
	b) On behalf of MORTH /NHAI	NHAI,PIU,AMARAVATHI/ GUNTUR Supervision Consultant	/

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,AMARAVATHI/ GUNTUR Supervision Consultant	✓
	a)onbehalf of the applicant	NA	
	b)on behalf of NHAI	NA	
11	Who will pay the claims for damages done /disruption in working of concesionaire if asked by the concessionaire	Bharat Sanchar Nigam Limited	✓
	on behalf of Applicant		
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.		✓

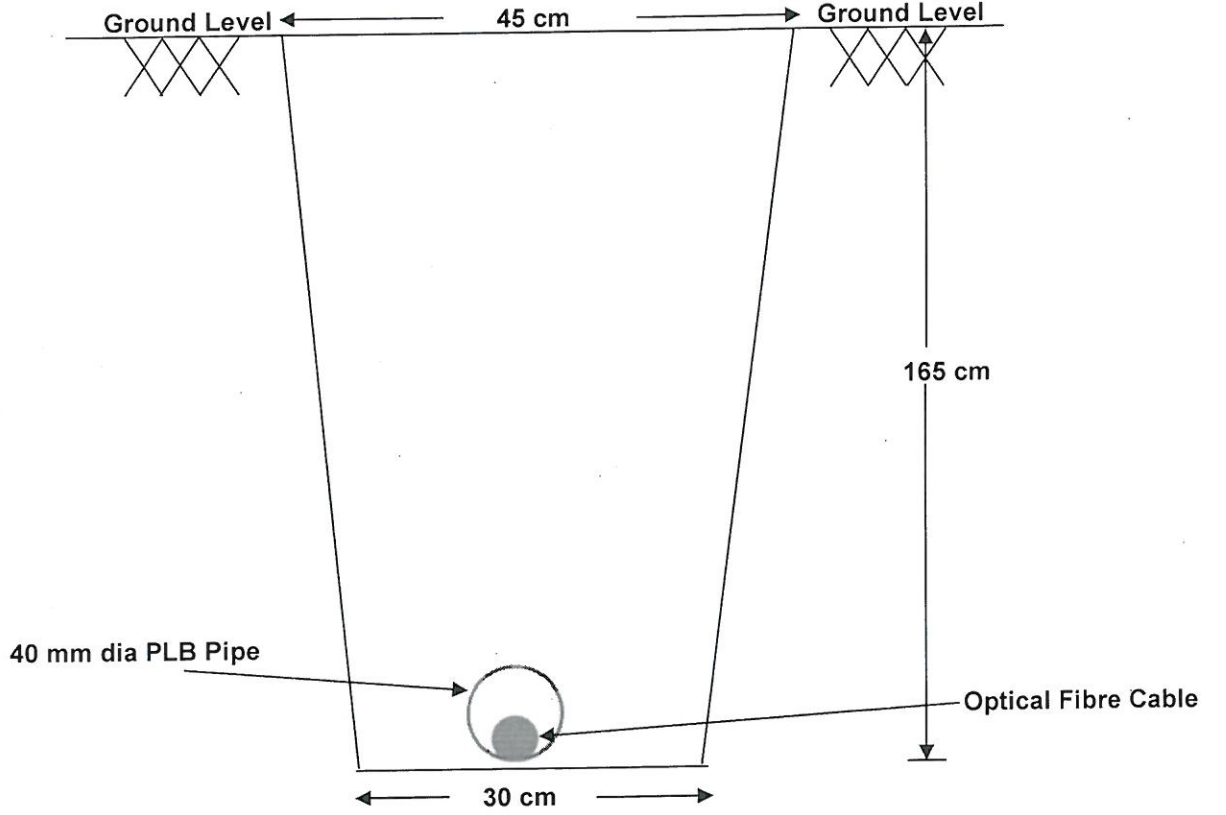
Name /Designation/Signature of the
authorized representative of the aplicant

मंडल अभियंता/DIVISIONAL ENGINEER
काश तंतु परियोजना/OPTICAL FIBRE PROJECTS
मंडल-1/DIVISION-1 गुंटूर/GUNTUR-522 006

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

Project Director,
NHAI, PIU, AMARAVATI

CROSS SECTION OF OPTICAL FIBRE CABLE TRENCH




मंडल अभियंता/DIVISIONAL ENGINEER
प्रकाश तंतु परियोजना/OPTICAL FIBRE PROJECTS
मंडल-1/DIVISION-1 गुंटूर/GUNTUR-522 006


Project Director,
NHAI, PIU, AMARAVATI

SPECIFICATION REPORT

Specification report to accompany the estimate towards "License fee" for Laying of O.F. Cable from Km. 395.400 to Km. 364.175 of NH 16 from Guntur TO Chilakaluripeta T/E by M/s Bharat Sanchar Nigam Limited.

Estimate Amount: Rs. 242051.00

The Divisional Engineer, Optical Fibre Cable Projects, Guntur vide his letter No. 2017 have requested to issue permission for Laying of O.F. Cable from Km. 395.400 to Km. 364.175 of NH 16 from Guntur to Chilakaluripeta T/E by M/s Bharat Sanchar Nigam Limited.

The rate of land abutting NH/SH/ZPP/MPP obtained from the website of Registration & Stamps Department, Government of Andhra Pradesh is used for calculation of the license fee. The list of Villages falling in the proposed stretch of road, corresponding chainages and breakup of Village wise land rates are as follows:

Sl. No.	Name of the Village	Chainage		Length	Rate of Land Abutting NH	
		from	to		per Acre	per Sq.m
1	Purushothamapatnam	364+175	364+600	425	7,700,000	1902.71
2	Ganapavaram	364+600	368+500	3900	5,000,000	1235.53
3	Thimmapuram	368+500	372+000	3500	5,000,000	1235.53
4	Edlapadu	372+000	375+800	3800	5,000,000	1235.53
5	Viswanathunikandrika	375+800	375+850	50	4,000,000	988.42
6	Vankayalapadu	375+850	378+550	2700	5,000,000	1235.53
7	Marripalem	378+550	379+550	1000	2,310,000	570.81
8	Nandipalem	379+550	385+000	5450	2,625,000	648.65
9	Edulapalem	385+000	387+200	2200	3,100,000	766.03
10	Enamandla	387+200	388+050	850	3,100,000	766.03
11	Chowdavaram	388+050	390+500	2450	3,200,000	790.74
12	Pottur	390+500	393+950	3450	3,300,000	815.45
13	Ankireddypalem	393+950	395+400	1450	11,000,000	2718.16
14	Road crossing @	395+400		120		
15	Road crossing @	395+365		120		
16	Road crossing @	394+500		120		
17	Road crossing @	393+650		120		
18	Road crossing @	393+200		120		
19	Road crossing @	391+900		120		
20	Road crossing @	389+500		120		
21	Road crossing @	389+000		120		
22	Road crossing @	387+520		120		
23	Road crossing @	385+070		120		
24	Road crossing @	383+960		120		
25	Road crossing @	383+000		120		
26	Road crossing @	380+230		120		
27	Road crossing @	379+400		120		
28	Road crossing @	379+700		120		
29	Road crossing @	376+000		120		
30	Road crossing @	373+900		120		
31	Road crossing @	373+200		120		
32	Road crossing @	370+750		120		
33	Road crossing @	369+850		120		
34	Road crossing @	368+550		120		
35	Road crossing @	367+300		120		
36	Road crossing @	366+500		120		
37	Road crossing @	366+250		120		
38	Road crossing @	365+000		120		

The land rate corresponding to the chainage is used for calculation of License fee.

Hence the license fee estimate is prepared as per MoRTH Circular memo No.RW/NH / 33044/29/2015/S&R (R), dated:22.11.2016.

Project Director
NHAI, AMARAVATHY

(Signature)
Project Director,
NHAI, PIU, AMARAVATHI

(Signature)
डिविजनल अभियंता/DIVISIONAL ENGINEER
प्रकाश तंतु परियोजना/OPTICAL FIBRE PROJECTS
पदस्थ-1/DIVISION-1 गुंटूर/GUNTUR-522 006.

LICENCE FEE ESTIMATE

Name of the work: Towards License fee for Laying of O.F. Cable from Km. 395.400 to Km. 364.175 on LHS along NH 16 from Gunutr to Chilakaluripeta by M/s Bharat Sanchar Nigam Limited.

Estimate - A

LICENSE FEE CHARGES

S No	Description	No	Measurements			Quantity	Rate	Per	Amount	
			L	B	D	Sq.m	per Sq.m			
1	2	3	4	5	6	7	8	9	10	
1	Name of the work: Towards License fee for Laying of O.F.Cable from Km. 395.400 to Km. 364.175 on LHS along NH 16 from Guntur to Chilakaluripeta by M/s Bharat Sanchar Nigam Limited.									
1	364+175	364+600	1	425	0.04	--	17	1902.71	Sqm	32346.07
2	364+600	368+500	1	3900	0.04	--	156	1235.53		192742.03
3	368+500	372+000	1	3500	0.04	--	140	1235.53		172973.61
4	372+000	375+800	1	3800	0.04	--	152	1235.53		187799.92
5	375+800	375+850	1	50	0.04	--	2	988.42		1976.84
6	375+850	378+550	1	2700	0.04	--	108	1235.53		133436.79
7	378+550	379+550	1	1000	0.04	--	40	570.81		22832.52
8	379+550	385+000	1	5450	0.04	--	218	648.65		141405.93
9	385+000	387+200	1	2200	0.04	--	88	766.03		67410.29
10	387+200	388+050	1	850	0.04	--	34	766.03		26044.88
11	388+050	390+500	1	2450	0.04	--	98	790.74		77492.18
12	390+500	393+950	1	3450	0.04	--	138	815.45		112531.69
13	393+950	395+400	1	1450	0.04	--	58	2718.16		157653.09
14	395+400		1	120	0.04		4.8	2718.16		13047.15
15	395+365		1	120	0.04		4.8	2718.16		13047.15
16	394+500		1	120	0.04		4.8	2718.16		13047.15
17	393+650		1	120	0.04		4.8	815.45		3914.15
18	393+200		1	120	0.04		4.8	815.45		3914.15
19	391+900		1	120	0.04		4.8	815.45		3914.15
20	389+500		1	120	0.04		4.8	790.74		3795.54
21	389+000		1	120	0.04		4.8	790.74		3795.54
22	387+520		1	120	0.04		4.8	766.03		3676.92
23	385+070		1	120	0.04		4.8	766.03		3676.92
24	383+960		1	120	0.04		4.8	648.65		3113.53
25	383+000		1	120	0.04		4.8	648.65		3113.53
26	380+230		1	120	0.04		4.8	648.65		3113.53
27	379+400		1	120	0.04		4.8	570.81		2739.90
28	379+700		1	120	0.04		4.8	648.65		3113.53
29	376+000		1	120	0.04		4.8	1235.53		5930.52
30	373+900		1	120	0.04		4.8	1235.53		5930.52
31	373+200		1	120	0.04		4.8	1235.53		5930.52
32	370+750		1	120	0.04		4.8	1235.53		5930.52
33	369+850		1	120	0.04		4.8	1235.53		5930.52
34	368+550		1	120	0.04		4.8	1235.53		5930.52
35	367+300		1	120	0.04		4.8	1235.53		5930.52
36	366+500		1	120	0.04		4.8	1235.53		5930.52
37	366+250		1	120	0.04		4.8	1235.53		5930.52
38	365+000		1	120	0.04		4.8	1235.53		5930.52
										1466973.90
	Licene Fee (Rs/Sq.m/Month) = $\frac{1466973.9}{10 \times 12}$						=	12224.78		
	License Fee for 5 years = $5 \times 12 \times$						12224.78	=	733486.95	
	Rounding off									733487.00
	Total									
	The Licence fee for Public utilities shall be 33% of the fee prescribed for Industrial Utilities as per point no.5 of MORTH guide lines vide letter No.RW/NH-33044/29/2015/S&R® Dated: 22nd Nov 2016									242050.71
	RUPEES TWO LAKHS FORTY TWO THOUSAND FIFTY AND SEVENTY ONE PAISE									


Project Director
NHAI, AMARAVATHY

Project Director,
NHAI, PIU, AMARAVATI

५६८८ अभियंता/DIVISIONAL ENGINEER
 प्रकाश तंतु परियोजना/OPTICAL FIBRE PROJECTS
 बडल-१/DIVISION-1 गुंटूर/GUNTUR-522 006

CERTIFICATE

1. Undersigned has examined the proposal of the applicant for laying of OF cable along NH-16 from Km 395/400 to Km 364/175 and confirm that the all standard conditions issued Vide Ministry Circular No: RW/NH-33044/29/2015/S&R(R) dated 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 carriage, 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 damage 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 same is enclosed with the proposal.


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

*Project Director,
NHAI, PIU, AMARAVATI*