



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

(Ministry of Road Transport and Highways, Government of India)

श्रेणीय कार्यालय : 41-29-45A, सर्वे नं: 373/2A, कोदंडरामालयम, चलासानी नगर,

रानीगारीतोटा, कृष्णालंका, विजयावाडा - 520 013, आन्ध्र प्रदेश

D.No. 41-29-45A, RS.No. : 373/2A, Kodandaramalayam, Chalasani Nagar,

Ranigari Thota, Krishna Lanka, Vijayawada - 520 013, Andhra Pradesh.

फोन / Tel : 0866-2483910, ई-मेल : rovijayawada@nhai.org, nhairovja@gmail.com वेब : www.nhai.gov.in



Lr.No. NHAI/RO-VJA/PIU-VJA/V-M/NOC/2021-22/1578-

Dt.13.05.2022

To

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

Sub: RO - Vijayawada - Permission for laying of OFC Cable (M/s. Andhra Pradesh State Fiber Net Limited) using HDD Method across the road of NH-65 at Km. 21/500, Km.23/200 and Km.24/600 for a total length of 180 mtrs (Across the road each 60 mts) in Vuyyuru Mandal, Machilipatnam, Krishna District of Vijayawada -Machilipatnam section of NH-65 - Inviting Public comments - Reg.

Sir,

Please find enclosed herewith a proposal submitted by M/s. Andhra Pradesh State Fiber Net Limited for laying Optical Fiber Cable (OFC) across the road of NH-65 at Km. 21/500, Km.23/200 and Km.24/600 for a total length of 180 mtrs (Across the road each 60 mts) in Vuyyuru Mandal, Machilipatnam, Krishna District of Vijayawada - Machilipatnam section of NH-65.

2. As per MORTH guidelines vide letter No. RW/NH-33044/29/2015/S&R(R) dated 22<sup>nd</sup> November 2016, the application along with the recommendations of PD, PIU-Vijayawada & notice inviting public comments 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,

Encl: As above

(R.K. Singh),  
Regional Officer  
RO - Vijayawada

### Copy to:

(i) PD, PIU - Vijayawada

(ii) M/s. Andhra Pradesh State Fiber Net Limited (APSFL), 3<sup>rd</sup> Floor, NTR Administrative Block, Pandit Nehru Bus Station, NH-65, Vijayawada - 520001, AP for information.



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

(Ministry of Road Transport and Highways, Government of India)

श्रेणीय कार्यालय : 41-29-45A, सर्वे नं: 373/2A, कोदंडरामालयम, चलासानी नगर,

रानीगारीतोटा, कृष्णालंका, विजयावाडा - 520 013, आन्ध्र प्रदेश

D.No. 41-29-45A, RS.No. : 373/2A, Kodandaramalayam, Chalasani Nagar,

Ranigari Thota, Krishna Lanka, Vijayawada - 520 013, Andhra Pradesh.

फोन / Tel : 0866-2483910, ई-मेल : rovijayawada@nhai.org, nhairovja@gmail.com वेब : www.nhai.gov.in



Lr.No. NHAI/RO-VJA/PIU-VJA/V-M/NOC/2021-22/1577

Dt.13.05.2022

### INVITATION OF PUBLIC COMMENTS

**Sub: RO - Vijayawada - Permission for laying of OFC Cable (M/s. Andhra Pradesh State Fiber Net Limited) using HDD Method across the road of NH-65 at Km. 21/500, Km.23/200 and Km.24/600 for a total length of 180 mtrs (Across the road each 60 mts) in Vuyyuru Mandal, Machilipatnam, Krishna District of Vijayawada -Machilipatnam section of NH-65 - Public comments - Reg.**

The Project Director, PIU - Vijayawada submitted a proposal submitted by M/s. Andhra Pradesh State Fiber Net Limited for laying Optical Fiber Cable (OFC) across the road of NH-65 at Km. 21/500, Km.23/200 and Km.24/600 for a total length of 180 mtrs (Across the road each 60 mts) in Vuyyuru Mandal, Machilipatnam, Krishna District of Vijayawada -Machilipatnam section of NH-65.

As per MORTH guidelines vide letter No. RW/NH-33044/29/2015/S&R(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,**  
 Regional Office, Dr. No.41-29-45A, R. S. No.373/2A  
 Near Kodandaramalayam, Chalasani Nagar,  
 Ranigarithota, Krishnalanka, Vijayawada - 520 013.  
 Email: [rovijayawada@nhai.org](mailto:rovijayawada@nhai.org)

  
 (R.K. Singh), 7/7  
 Regional Officer  
 RO - Vijayawada.



सत्यमेव जयते

*Handwritten signature*

**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,  
Gurunank Nagar Road, Vijayawada-520 008.

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

*Handwritten notes:*  
PA/BS  
7812  
13/4/22

11080/NHAI/PIU/V/NH-65/APSFLN OFC Km-21.500/2022/ *82*

12.04.2022

To  
The Regional Officer,  
National Highways Authority of India  
Regional Office, Door No. 41-29-45A,  
R.S.No. 373/2A, Near Kodandaramalayam  
Chalasani Nagar, Ranigarithota, Krishnalanka  
Vijayawada - 520 013



Sir,

Sub : NHAI, PIU, Vijayawada - 4 - laning of Vijayawada - Machilipatnam section of NH-9 from Km. 0.000 to Km. 63.800 (approx length 64.611 km) in the State of Andhra Pradesh under EPC mode under NHDP Phase III - (RoW) permission for laying of Optical Fiber Cable across the road of NH-65 at Km. 21/500, Km.23/200 and Km.24/600 for a total length of 180 mtrs (Across the road each 60 mts) in Vuyyuru Mandal, Machilipatnam, Krishna District of Vijayawada -Machilipatnam section of NH-65 - Requested for Provisional Approval - Reg

- Ref: 1) M/s. Andhra Pradesh State Fiber Net Limited, Lr. No. APSFL/BBNL/ROW/OFC/BBNL/VIJAYAWADA-MACHILIPATNAM/NHAI-VIJAYAWADA /2022/0001, dated 17.01.2022  
2) PIU-Vijayawada Lr. No. 11083/OFC-APSFL/PIU-VIJ/NHAI/2021/1741, dated 21.01.2022  
3) M/s. Rites Limited, Lr.No. RITES/HW/VMP/NHAI/2022/46, dated 08.03.2022

\*\*\*\*\*

This is with reference to the subject cited above, M/s. Andhra Pradesh State Fiber Net Limited, Vijayawada, had submitted a proposal requesting grant of (RoW) permission for laying of Optical Fiber Cable (OFC) across the Vijayawada Machilipatnam section of NH-65 at Km. 21/500, Km.23/200 and Km.24/600, for a total length of 180 mtrs vide reference 1<sup>st</sup> cited.

2. In this connection, vide reference 2<sup>nd</sup> cited the proposal has been forwarded to Authority Engineer, M/s. RITES Limited to inspect the site, and to verify the proposal in accordance to the MoRT&H Guidelines vide letter no. RW/NH/33044/29/2015/S&R(R), dated 22.11.2016. Accordingly, AE vide reference letter 3<sup>rd</sup> cited, had submitted their recommendation to grant RoW permission for the subject cited work.

3. In this connection, the proposal submitted by M/s. Andhra Pradesh State Fiber Net Limited was examined and following are furnished herewith:

- (i) The proposal letter of M/s. Andhra Pradesh State Fiber Net Limited duly requesting RoW permission across NH-65 at 21/500, Km.23/200 and Km.24/600 for a total length of 180 mtrs and Horizontal Directional Drilling method (HDD) is proposed for crossing of the National Highway NH-65.
- (ii) Checklist in accordance to MoRT&H Guidelines is enclosed for laying of OFC Cable on NH land and the same is found in order.
- (iii) Draft License Deed was submitted by M/s. Andhra Pradesh State Fiber Net Limited, Vijayawada in the prescribed format in accordance with the MoRT&H Guidelines.
- (iv) General Power of Attorney
- (v) Construction of Methodology for laying of OFC Cable by HDD method is enclosed which is found in order.
- (vi) Cross section showing the size of OFC cable for HDD method is enclosed.
- (vii) Strip plan / Route plan for crossing of OFC Cable, distance of proposal for road crossings, are enclosed.
- (viii) Undertaking for requisite Performance Bank Guarantee @ Rs.100/- per route meter and License fee for 5 years as per MoRT&H Guidelines dated 22.11.2016 will be obtained from the agency, upon provisional approval of the proposal. Necessary calculations sheet is enclosed.
- (ix) Certificate from PD that the proposal is confirming to all standard conditions issued vide MoRT&H Circular No. RW/NH/33044/29/2015/S&R(R) dated 22.11.2016 is enclosed.
- (x) Necessary undertakings required in accordance to MoRT&H Guidelines checklist from 5.1 to 5.12 are also submitted by M/s. Andhra Pradesh State Fiber Net Limited, Vijayawada.

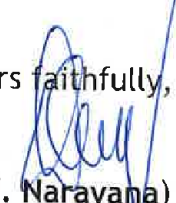
4. Applicant had informed that various safety clearances referred in Point No. 4 of MoRT&H Guidelines are not obtained as the same are not applicable to OFC lines but are applicable for electrical lines / Gas / Oil Pipelines.

5. In view of the above, the proposal submitted by M/s. Andhra Pradesh State Fiber Net Limited has been verified in accordance with Guidelines of MoRT&H Norms Circular F. No. RW/NH-33044/29/2015/S&R(R), dated 22.11.2016. The proposal along with the copies of all the above mentioned documents is herewith forwarded.

6. In this connection, it is requested and recommended to the Competent Authority to accord approval for granting ROW permission for laying of Optical Fiber Cable across the road on NH-65 at 21/500, Km.23/200 and Km.24/600 for a total length of 180 mtrs (Across the road each 60 mts) in Vuyuru Mandal, Krishna District of Vijayawada - Machilipatnam section of NH-65.

Yours faithfully,

Encl : As above.

  
(D.V. Narayana)  
GM (Tech.) & Project Director  
NHAI, PIU-Vijayawada



### CERTIFICATE

1. It is certified that all Standard Conditions specified in the proposal from M/s. Andhra Pradesh State Fiber Net Limited, for permission for laying of OFC Cable along the road at 21/500, Km.23/200 and Km.24/600 for a total length of 180 mtrs (Across the road each 60 mts) in Vuyuru Mandal, Krishna District of Vijayawada - Machilipatnam section of NH-65. in the State of Andhra Pradesh is in conformity as per MoRT&H Guidelines vide Lr. No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016.
2. I will ensure supervision of the work of laying utility and ensure that the defects in road portion after laying of utility are corrected.
3. I will notify/forfeit the BG for claims for damages done/disruption in working, if any.
4. 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.



(D.V. Narayana)  
GM (Tech.) & Project Director  
NHAI, PIU-Vijayawada

No. RITES/HW/VMP/NHAI/2022/46  
Date: 08<sup>th</sup> March 2022

To,

The Project Director  
NHAI, PIU  
Plot No. 74, Vanamali Building  
Beside N. A. C. Kalyana Vedika  
Commercial Taxes Colony  
Guru Nanak Nagar Road  
Vijayawada – 520 008

Mgr (T)-I	(Schedule 'A' Enterprise of Govt. of India)
Mgr (T)-II	Site Office: H.No. 8-208/1, Mythri Nagar, Kanuru, Vijayawada-520007 Tel/Fax: 01-886 2974033/34 Email: gites.vijayawada@gmail.com
Site Engg.	
PA	PA1, PA2
Rev. Off.	
Acct.	



**Sub:** 4-Four laning of Vijayawada -Machilipatnam section of NH-9 from Km. 0.00 to Km.63.800 under NHDP Phase III A to be executed under Engineering, Procurement and Construction EPC mode in the State of Andhra Pradesh –Application from M/s. Andhra Pradesh State Fiber Net Limited (APSFL) Vijayawada requested for Right of Way (Row) permission for laying of Optical Fibre Cable (OFC) across NH 65 at 21/500, 23/200 and 24/600 for a total route length of crossing 180 meters (Across the road each 60mts) in Vuyyuru Mandal, Krishna District on Vijayawada-Machilipatnam Section – Approval Requested – Submission of Observations - Reg.

**Ref:** 1. Your letter No. 11080/OFC-APSFL/PIU/V/NHAI/2021/1741 dated 21.01.2022  
2. M/s. APSFL Ltd., Lr.No. APSFL/BBNL/ROW/OFC/BBNL/V-Machilipatnam/NHAI-Vijayawada/2022/0001 dated 17.01.2022

Sir,

Please refer to the letter cited 1 above, wherein communicated the requisition letter of M/s. Andhra Pradesh State Fiber Net Limited (APSFL) Vijayawada on the subject referred with a request to examine the modified proposal with reference to the applicable guidelines of the circular RW-NH-33044/29/2015-S&R® dated 22.11.2016 and submit comments after inspecting site and verifying check list, drawings etc.,

In this regard, the Authority's Engineer reviewed the documents, check list, drawings etc. submitted by the M/s. APSFL and found in order except for the following observations as under:

1. Arrows depicting the ROW width should be corrected.
2. Material used for Casing of HDPE to be mentioned if applicable.

In view of the above, the Authority is hereby requested to inform M/s. IOCL to resubmit the drawings after incorporating the above said observations.

Thanking you and assuring you of our best services, at all times, as always,

Yours' faithfully,

K. Vijaya Kumar 08/03/2022  
(Kondeti Vijaya Kumar)  
Team Leader  
Cell: 9515664682

Encl.: Proposal of M/s. APSFL.

Copy to: GM (HW) & SBU - 32, RITES Ltd, Gurgaon.



No. RITES/HW/VMP/NHAI/2022/46

Date: 08<sup>th</sup> March 2022

To,

The Project Director  
NHAI, PIU  
Plot No. 74, Vanamali Building  
Beside N. A. C. Kalyana Vedika  
Commercial Taxes Colony  
Guru Nanak Nagar Road  
Vijayawada - 520 008

राइट्स लिमिटेड

(भारत सरकार का प्रतिष्ठान)

RITES LIMITED

(Schedule 'A' Enterprise of Govt. of India)

Site Office

H No 8-208/1 Mythri Nagar Kanuru, Vijayawada-520007

Tel/Fax: +91 - 866 2974033/34 Email: rites.vijayawada@gmail.com

**Sub:** 4-Four laning of Vijayawada -Machilipatnam section of NH-9 from Km. 0.00 to Km.63.800 under NHDP Phase III A to be executed under Engineering, Procurement and Construction EPC mode in the State of Andhra Pradesh -Application from M/s. Andhra Pradesh State Fiber Net Limited (APSFL) Vijayawada requested for Right of Way (Row) permission for laying of Optical Fibre Cable (OFC) across NH 65 at 21/500, 23/200 and 24/600 for a total route length of crossing 180 meters (Across the road each 60mts) in Vuyyuru Mandal, Krishna District on Vijayawada-Machilipatnam Section - Approval Requested - Submission of Observations - Reg.

**Ref:** 1. Your letter No. 11080/OFC-APSFL/PIU/V/NHAI/2021/1741 dated 21.01.2022  
2. M/s. APSFL Ltd., Lr.No. APSFL/BBNL/ROW/OFC/BBNL/V-Machilipatnam/NHAI-Vijayawada/2022/0001 dated 17.01.2022

Sir,

Please refer to the letter cited 1 above, wherein communicated the requisition letter of M/s. Andhra Pradesh State Fiber Net Limited (APSFL) Vijayawada on the subject referred with a request to examine the modified proposal with reference to the applicable guidelines of the circular RW-NH-33044/29/2015-S&R dated 22.11.2016 and submit comments after inspecting site and verifying check list, drawings etc.,

In this regard, the Authority's Engineer reviewed the documents, check list, drawings etc. submitted by the M/s. APSFL and found in order except for the following observations as under:

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In view of the above, the Authority is hereby requested to inform M/s. IOCL to resubmit the drawings after incorporating the above said observations.

Thanking you and assuring you of our best services, at all times, as always,

Yours' faithfully,

K. Vijaya Kumar  
(Kondeti Vijaya Kumar)

Team Leader

Cell: 9515664682

Encl.: Proposal of M/s. APSFL.

Copy to: GM (HW) & SBU - 32, RITES Ltd. Gurgaon

कॉर्पोरेट कार्यालय राइट्स लिमिटेड, प्लॉट नं. 74, वनमाली बिल्डिंग, बस स्टैंड-29, गुडगांव-122 001 (भारत) | Corporate Office: RITES Bhawan, No. 74 Sector-29 Gurgaon-122 001 (INDIA)  
पंजीकृत कार्यालय स्वयं केन्द्र, लक्ष्मी नगर, दिल्ली-110 092 (भारत) | Registered Office: SCOPE Mitar Laxmi Nagar Delhi-110 092 (INDIA)  
दूरभाष (Tel): +91 124 2571666 फ़ैक्स (Fax): +91 124 2571660 ई-मेल (E-mail): info@rites.com वेबसाइट (Website): www.rites.com  
CIN: L74599DL1974GD1007227

	<b>I N D E X</b>
<b>Sl No</b>	<b>Details</b>
1	Application
2	Check list
3	License Deed for laying of Optical Fiber Cable on National Highway Land
4	Undertaking for submission of Performance Bank Guarantee
5	Undertaking for payment of License Fees/Lease Rentals
6	Undertaking as per Sl. No. 5 of Check List
7	Certificate as per Sl. No. 5.12 of Check List
8	Methodology of Laying OFC
9	Traffic Management Plan
10	Strip Plan/Drawings
11	Typical Cross Section of OFC ducts (Open Trench Method)
12	Typical Cross Section of Road Crossing through HDD Method (Horizontal Directional Drilling)
13	IP-1 Registration Certificate issued by Department of Telecommunications, Gol
14	Certificate of Incorporation
15	Power of Attorney
16	MoRTH GUIDELINES RW/NH-33044/29/SR(R) Dt. 22.11.2016

S. W. Thol  
—3—





APSFL/BBNL/ROW/OFC/BBNL/VIJAYWADA – MACHILIPATNAM/NHAI-VIJAYWADA/2022/0001

To,

Date:17.01.2022

The Project Director,  
National Highway Authority of India,  
Project Implementation Unit,  
21, Guru Nanak Colony Road,  
Opp. Laxmi Vilas Bank,  
Teacher's Colony, Guru Nanak Colony,  
Vijayawada, Andhra Pradesh -520007.

**SUB:**

Requesting for Right of Way(Row) Permission for laying of Optical Fiber Cable (OFC) across NH65 21/500,23/200,and 24/600 for a total route length of crossing 180 meters(Across the road each 60 meters) in Vuyyuru Mandal,Krishna District of Andhra Pradesh the Jurisdiction of NHAI ,PIU,Vijaywada.

**Ref:** Ministry of Road Transport & Highways (MORTH) Guidelines for granting permission for laying Utility Services along and/or across ROW vide letter No. **RW/NH-33044/29/2001/S&R(R) dated 22-11-2016.**

Dear Sir,

ANDHRA PRADESH STATE FIBERNET LIMITED ,having office 3rd Floor, NTR Administrative Block, Pandit Nehru Bus Station, NH 65, Vijayawada-520001, Andhra Pradesh, India is registered with Department of Telecommunication(DoT)as Infrastructure Provider category I(IP-I) vide registration certificate NO.:619/2016 dated 12.04.2016 to establish and maintain the assets such as Dark Fiber, Right of Way, and Duct space

The Government of India is very ambitious about bridging the digital divide. The Bharat Net project (formerly National Optical Fiber Network (NOFN)) has been one such digital plan of the Government of India that aims to digitally connect all villages and Gram Panchayats by broadband Internet connectivity.

Govt. of Andhra Pradesh (GoAP) has entered MoU with the Universal Service Obligation Fund (USOF)-Department of Telecommunications (DoT) and Bharat Broadband Network Limited (BBNL) to implement BharatNet Phase-II Project in the State of Andhra Pradesh. In this regard, Andhra Pradesh State FiberNet Limited (APSFL), the State Implementation Agency', on behalf of GoAP has undertaken the responsibility of design, Implementation and Management of BharatNet Phase-II Project in the State of Andhra Pradesh.

*Sd/-*



As part of this project, we must lay underground optical Fiber Cable (OFC) through HDPE ducts across NH65-KM 21/500, 23/200 and 24/600 for a total route length of crossing 180 meters (Across the road each 60 meters) in Vuyyuru Mandal, Krishna District of Andhra Pradesh the Jurisdiction of NHAI, PIU, Vijaywada.

**The HDPE ducts of 40mm dia (50mm OD) x 2 ducts will be laid at the extreme possible edge of RoW at a depth of 1.65 mtrs., using various methods like Open Trenching, Horizontal Directional Drilling (HDD), Clamping and other suitable method as required on the ground to construct a Fiber Optic backbone link.**

The Trenching & restoration work shall be carried out in accordance with cited MORTH guidelines with utmost care.

As per point no. 5 & 6 of MORTH guidelines cited above, we shall submit License Fee and a Performance Bank Guarantee for an amount based on per route meter, in the prescribed format with a validity of 1 year (extendable if required till satisfactory completion of work) as a security against improper restoration of ground in terms of filling/unsatisfactory compaction/damages caused to other underground installations/utility services & interference, interruption, disruption or failure caused thereof to any services etc..

Further, as per MORTH guidelines cited above, we have enclosed herewith all the required documentation like Strip plans, Undertakings, Certificates, Indemnity Bonds and other documents as per the check list for your kind perusal.

As you may appreciate this project shall be completed on top priority in the larger interest of all the stake holders, request you to kindly accord us the RoW permission at the earliest. Please do let us know for any further information/clarifications.

Thanking you,

Yours Sincerely,



For ANDHRA PRADESH STATE FIBERNET LIMITED



Authorized Signatory

Enclosures: As per Index Sheet.



## CHECK- LIST

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

S.No.	Item	Information Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant/Agency	Andhra Pradesh State FiberNet Limited 3rd Floor, NTR Administrative Block, Pandit Nehru Bus Station, NH 65, Vijayawada-520001, Andhra Pradesh, India. ✓	
1.2	National Highway Number	NH65 ✓	
1.3	State	Andhra Pradesh ✓	
1.4	Location	Near Akunur, Peddaogirala, Vuyyuru village, Vuyyuru Mandal, Krishna District of Andhra Pradesh ✓	
1.5	(Chainage in km)	Across the Road at: KM 21/500, 23/200, and 24/600	
1.6	Length in Meters	180 Meter (Road Crossing) ✓	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing chainage/km direction	30 meters ✓	
	(b) Right side from center line towards increasing chainage/km direction	30 meters ✓	
1.8	Proposal to lay the utility		
	(a) Left side from center line towards increasing chainage/km direction	Not Applicable	
	(b) Right side from center line towards increasing chainage/km direction	Not Applicable	
1.9	Proposal to acquire land		
	(a) Left side from center line	Not Applicable	
	(b) Right side from center line	Not Applicable	
1.10	Whether proposal is in the same side where land is not to be acquired	Not Applicable	
	If not then where to lay the cable	Not Applicable	
1.11	Details of already laid services, if any, along the proposed route	Not Applicable	
1.12	Number of existing lanes (2/4 6/8 lanes).	4 Lane ✓	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes).	No proposed expansion	
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	



## CHECK- LIST

1.15	Proposed Service Road		
	(a) Left side from center line	No proposed service road	
	(b) Right side from center line	No proposed service road	
1.16	Whether proposal to lay the utility(OFC) is after the service road or between the service road and main carriageway	Across the main carriage way	
1.17	Whether carrying of OFC has been proposed on highway Bridges. If yes, then mention the methodology proposed for the same.	No, utility (OFC) not proposed on bridges.	
1.18	Whether carrying of OFC has been proposed on the parapet/any part of the bridges. If yes, then mention the methodology proposed for the same.	No, utility (OFC) not proposed on the parapet/any part of the bridges.	
1.19	If crossings 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 expenses of the agency owning the line	Yes, HDPE Pipe	
	(a) Whether existing drainage structures are allowed to carry utility (OFC)	No	
	(b) Is it on a line normal to NH	Yes	
	(c) What is the distance of crossing the utility (OFC) from the existing structures. Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.	More than 15 meters	
	(d) The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable. Mention type of casing.	HDPE Pipe for OFC	
	(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 the fills.	Not Applicable	
	(g) The top of the casing/conduit pipe should be at least meter 1.2 meter below the surface of the road subject to being at least 0.3 m below the drain inverts. Mention the proposed details.	More than 2.5 Meters Below the surface of the road	
	(h) Mention the methodology proposed for crossing of road for the proposed Optical Fiber Cable (OFC). Crossing shall be by boring method (HDD) (Trenchless Technology), specially, where the existing road pavement is of cement concrete or dense bituminous concrete type.	HDD Method	
	(i) The casing/conduit pipe shall be installed with an even bearing throughout its length and in such a	Yes	

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	manner as to prevent the formation of a waterway along it.		
2	Document / Drawings to be enclosed with the proposal		
2.1	Cross section showing the size of trench for open trenching method	Not Applicable	
	(Is it normal size of 1.2m deep X 0.3m wide)	Not Applicable	
	(i) Should not be greater than 60 Cm wider than the outer diameter of the pipe	Not Applicable	
	(ii) Located as close to the extreme edge of the right of-way as possible but not less than 15 meters from the center-lines of the nearest carriageway	Yes, Only Cross over NH-65	
	(iii) Shall not 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.	Not Applicable	
	(iv) These should be so laid that their top is at least 0.6 meter below the ground level so as not to obstruct drainage of the road land.	Not Applicable	
2.2	Cross section showing the size of pit and location of cable for HDD method	HDD Cross-section Enclosed	
2.3	Strip plan/Route Plan showing the utility/OFC, Chainage, width of ROW, distance of proposed OFC from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Strip plan showing all the details is enclosed	
2.4	Methodology for laying of the utility (OFC).	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 of trench.	Not Applicable	
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	Not Applicable	
	(b) For filling of the trench, Bedding shall be to a depth of not less than 30 cm. 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.	Not Applicable	
	(c) The backfill shall be completed in two stages (i) side - fill to the level of the top of the pipe and (ii)	Not Applicable	



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	overfill to the bottom of the road crust.		
	(d) The side-fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the proctor's density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.	Not Applicable	
	(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.	Not Applicable	
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	Not Applicable	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line.	N/A	
2.4.2	Horizontal Directional Drilling (HDD) Method	Details Provided in Methodology of Laying	
2.4.3	Methodology for laying of OFC through CD works and method of laying. In cases where the carrying of OFC on the bridge becomes inescapable	Not Applicable	
3	Draft License Agreement is signed by two witnesses	Enclosed	
3.1	The licensee fee estimates as per Ministry's guidelines issued vide circular No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016.	Enclosed	
4	Whether Performance Bank Guarantee as per Ministry's Circular no. RW/NH-33044/29/2015/S&(R) dated 22.11.2016 is obtained.	Undertaking for Submission of BG has been obtained from M/s Andhra Pradesh State Fibernet Limited.	
4.1	Confirmation of BG has been obtained or not as per MoRTH/NHAI guidelines	Confirmation of BG Shall Be Obtained After BG Submission By M/s Andhra Pradesh State FiberNet Limited	
5	<b>Affidavit / Undertaking from the Applicant for the following is to be furnished</b>		
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.	Yes, Enclosed	
5.2	Undertaking for Renewal of Bank Guarantee as and when	Yes, Enclosed	

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	asked by MORTH/NHAI.		
5.3	Undertaking for Confirming all standard condition of Ministry Circulars and NHAI's guidelines.	Yes, Enclosed	
5.4	Undertaking for Indemnity against all damages and Claims	Yes, Enclosed	
5.5	Undertaking for management of traffic movement during laying of utility line without hampering the traffic.	Yes, Enclosed	
5.6	Undertaking that if any claim is raised by the Concessionaire/contractor then the same has to be paid by the applicant.	Yes, Enclosed	
5.7	Undertaking that prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the utility located in the National Highway right-of-ways.	Yes, Enclosed	
5.8	Undertaking that expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the utility line will be borne by the applicant agency owning the line.	Yes, 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)	Yes, 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 clearances applicable, before applying to Highway Administration	Not Applicable as the Utility line proposed OFC	
5.11	If the MORTH/NHAI considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the MORTH/NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes, Enclosed	

  
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5.12	Certificate from the applicant in the following format: (i) Laying of OFC will not have any deleterious effects on any of the bridge components and roadway safety for traffic. (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-laning or any other development."	Enclosed  Enclosed	
6	Who will sign the agreement on behalf of OFC Laying agency?	GM-Admin,HR and Finance- Andhra Pradesh state Fibernet limited ✓	
	Power of Attorney to sign the agreement is available or not	Enclosed	
7	The Project Director, will submit the following Certificates		
7.1	Certificate that the proposal is confirming to all standard conditions issued vide Ministry's 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 OFC would be extremely difficult and unreasonable costly and the installation of OFC 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". (ii) for 6-lanning (a) Where feasibility is available "I do certify that there will be no hindrance to proposed six-laning based on the feasibility report considering proposed structures at the said location". (b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-laning".	Enclosed  Enclosed  Enclosed	
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 OFC /duct has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of [----- --- section from Km to Km of NH No. ----- on Build; Operate and Transfer Basis] and therefore, the licensee shall honour the same.	Not Applicable	

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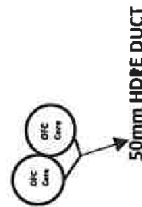
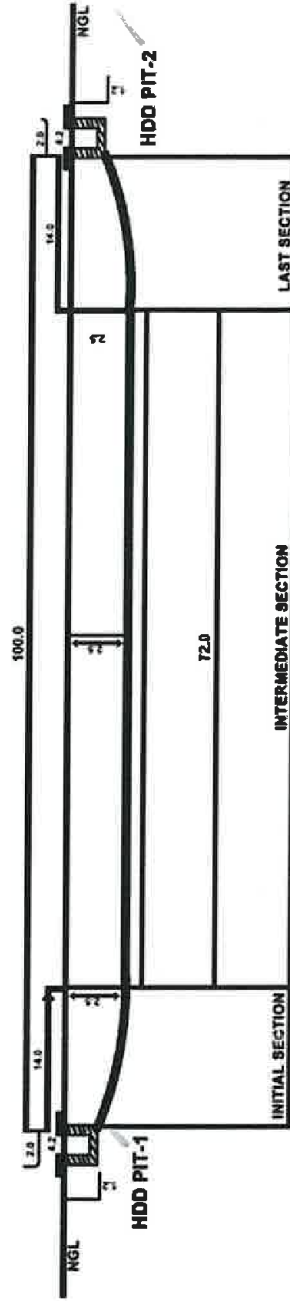
9	" Who will supervise the work of laying of OFC (a) On behalf of the Applicant	Sr.Manager- EPD,APSFL,Vijayawada	8328073241
	(b) On behalf of MoRTH/NHAI	NHAI PIU-Vijayawada	
10	Who will ensure that the defects in road portion after laying of Utility (OFC) are corrected and if not corrected then what action will be taken. (a) On behalf of the Applicant	Sr.Manager- EPD,APSFL,Vijayawada	
	(b) On behalf of NHAI	NHAI PIU-Vijayawada	
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire.	Andhra Pradesh State Fibernet Limited	
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)	Not Aplicable	
13	If any previous approval is accorded for laying cable line, then Photocopy of register of records of permissions accorded (as maintained by PD) be enclosed.	Not Applicable	



  
 Name, Designation & Signature of the  
 Authorized representative of applicant  
 (SD. GHOUSE MOHIDDIN,  
 General Manager (F&A, HR),  
 Andhra Pradesh State FiberNet Limited.)


  
 Name, Designation & Signature of the  
 Concerned field authority of NHAI/PWD/BRO.  
 General Manager(Tech.) &  
 Project Director,  
 NHAI,PIU,VIJAYAWADA.

# Typical Cross Sectional For HDD



50mm HDPE DUCT

*[Handwritten signature]*

General Manager (Tech.) &  
Project Director,  
NHAI, PIU, VIJAYAWADA.



*[Handwritten signature]*

*[Handwritten signature]*

## ANNEXURE - I

### Calculation of Liscence Fees and Bank Guarantee Amount

Proposal for granting of permission for Laying OFC across NH 65 21/500,23/200 and 24/600 for a total across length aof 180 meters (Across the road crossing each 60 meter) in Vuyyuru Mandal,Krishna District, Andhra Pradesh in the jurisdiction of NHAI, Vijayawada PIU.

S.No	Name of Village	Chainage		Length route	Width in Mtrs	Utilized NH Land Area	Prevailing Circle rate of	Prevailing Circle rate of	Amount in Rs.	Remarks
		From	To							
1	Aknuru	21/500	21/500	60	0.10	6	6200000	1532.052011	9192.31	Road Crossing
2	Pedaogirala	23/200	23/200	60	0.10	6	2600000	642.4734238	3854.84	Road Crossing
3	Vuyyuru	24/600	24/600	60	0.10	6	6200000	1532.052011	9192.31	Road Crossing
				180		18				
Total Amount										
		License Fees(Rs./Month)=				22239.46	/10*12		22239.46	
		Total License Fees for 5 years=				185.33	x12x5		11119.73	
Total License fees payable by M/s APSFL for Laying of Public utility service(Telecom Cable)(For Public utility 33% of industrial as per point no.5 MORTH Gudlines vide letter no.RW/NH_33044/29/2015/S&R Dated:22nd Nov 2016,33%)										
							11,119.73	33%	3669.51	
Performance Bank Guarantee Amount Calculation										
Amount of Performance Bank Gaurentee to be submitted = Total no.of route meters X Rs.100/- per meter ( $\leq 300$ mm dia/width) i.e, .180*100=18000/-										
Performance Bank Guarantee Amount is /-Rs.18000/-										

  
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