



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

(Ministry of Road Transport & Highways)

कार्यालय क्षेत्रीय अधिकारी, आंध्र प्रदेश क्षेत्र

Office of the Regional Officer, Andhra Pradesh Region

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

Plot No.21, Teacher's Colony, Gurunank 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



भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

Lr.No.NHAI/RO-VJA/11045/NGC/2016/135

Dt.20.01.2020

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

Sub: Regional Office - Vijayawada - Permission for laying of Andhra Pradesh State Fiber Net Ltd (APSFL) Optical Fiber Cable (OFC) from NAD Junction at Km 713.850 to Visakha Dairy Junction at Km 719.850 along LHS on NH-16 for a length of 6000 m in the State of Andhra Pradesh - Public comments - Reg.

Sir,

Please find enclosed herewith a proposal of M/s. Andhra Pradesh State Fiber Net Ltd (APSFL) seeking grant of lease for laying of OFC cables from NAD Junction at Km 713.850 to Visakha Dairy Junction at Km 719.850 along LHS on NH-16 for a length of 6000 m in the State of Andhra Pradesh.

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-Visakhapatnam are enclosed herewith with a request to host the same in the Ministry's website for 30 days seeking claims and objections (on grounds of public inconvenience, safety and general public interest), for taking further necessary action.

Yours faithfully,

Anil Dixit

(Anil Dixit),

Regional Officer

Encl: As above

Copy to: 1) PD, PIU - Visakhapatnam - for information
2) M/s. General Manager (Tech.) - Operations, AP State Fiber Net Ltd,
Visakhapatnam - for information



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कार्यालय क्षेत्रीय अधिकारी, आंध्र प्रदेश क्षेत्र

Office of the Regional Officer, Andhra Pradesh Region

प्लॉट.क्र.२१, टीचर्स कॉलोनी, गुरुनानक नगर मार्ग, विजयवाड़ा-५२० ००८. आंध्र प्रदेश
Plot No.21, Teacher's Colony, Gurunanak Nagar Road, Vijayawada-520 008. A.P.

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BHARATMALA
ROAD TO PROSPERITY

Lr.No.NHAI/RO-VJA/11045/NOC/2016/134

Dt.20.01.2020

INVITATION OF PUBLIC COMMENTS


Sub: Regional Office - Vijayawada - Permission for laying of Andhra Pradesh State Fiber Net Ltd (APSFL) Optical Fiber Cable (OFC) from NAD Junction at Km 713.850 to Visakha Dairy Junction at Km 719.850 along LHS on NH-16 for a length of 6000 m in the State of Andhra Pradesh - Public comments - Reg.

The Project Director, PIU - Visakhapatnam submitted a proposal of M/s. Andhra Pradesh State Fiber Net Ltd (APSFL) seeking grant of lease for laying of OFC cables from NAD Junction at Km 713.850 to Visakha Dairy Junction at Km 719.850 along LHS on NH-16 for a length of 6000 m in the State of Andhra Pradesh.

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),
Regional Officer



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण National Highways Authority of India

(सड़क परिवहन और राजमार्ग मंत्रालय)

(MINISTRY OF ROAD TRANSPORT & HIGHWAYS)

परियोजना कार्यान्वयन इकाई (जि यू), भा.रा.रा.पा. एन्क्लेव, कि.मी.2/8 रा.रा.5.,
Project Implementation Unit (GQ), NHAI Enclave, KM 2/8 NH-16

हनुमन्तवाका, विशाखपट्टणम - 530 040, ए.पि., भारत
Hanumanthavaka, Visakhapatnam - 530 040, A.P., India



भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

दूरभाष / Phone : 0891-2707600

2714119

फाक्स / Fax No. : 0891-2714118

ई-मेल / E-mail : vis@nhai.org

Ref. No.: NHAI/PIU-VSP/APSFL-OFC/2019/ 2547

Date : 04.12.2019

To

✓ The Regional Officer,
National Highways Authority of India
Regional Office, Plot No. 21,
Teacher's Colony, Gurunanak Nagar Road,,
VIJAYAWADA - 520 008



Sub: NHAI, PIU, Visakhapatnam : Permission for laying of Andhra Pradesh State Fiber Net Ltd., (APSFL) Optical Fiber Cable (OFC) from NAD junction at Km 713.850 to Visakha Diary Junction at Km 719.850 along LHS on NH-16 for a length of 6000m - Permission Requested - Reg.

Ref: 1. This office letter No. NHAI/PIU-VSP/NFS-OFC/2019/496 dated 25.05.2019
2. e-mail dated 26.09.2019 of the Regional office, NHAI, Vijayawada
3. This office e-mail dated 28.09.2019
4. Letter No. Nil dated 28.11.2019 of the General Manager (T)- Operations, AP State Fiber Net Ltd., Visakhapatnam

Sir,

It is to inform that this office vide letter 01st cited has submitted the proposal for laying of Optical Fiber Cable (OFC) from NAD junction at Km 713.850 to Visakha Diary Junction at Km 719.850 along LHS on NH-16 for a length of 6000m.

Vide reference 02nd cited, the Regional Office, NHAI, Vijayawada while informing that in the submitted calculation sheet the conversion of Sqm. to Sq. Yd of land utilized has not taken correctly and requested to submit revised license fee calculations after re-verification of the same. Vide reference 03rd cited, this office has furnished the revised calculation sheet.

In this regard, it is to inform that the proposal is still under consideration at Regional Office, Vijayawada. Vide reference 04th cited, the General Manager Tech-Operations, APSFL, has requested to issue No Objection Certificate for their internal processing. Therefore, it is once again requested to communicate the approval of the competent authority for the proposal of A P State Fiber Net Ltd for initiating further necessary action.

Yours faithfully,


[P. Siva Sankar]

GM (T) & Project Director

Building a Nation, Not Just Roads

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



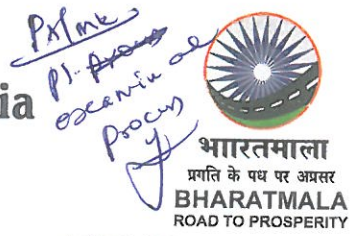
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण National Highways Authority of India

(सड़क परिवहन और राजमार्ग मंत्रालय)

(MINISTRY OF ROAD TRANSPORT & HIGHWAYS)

परियोजना कार्यान्वयन इकाई (जि ब्यू), भा.रा.पा. एन्क्लेव, कि.मी.2/8 रा.रा.5.,
Project Implementation Unit (GQ), NHAI Enclave, KM 2/8 NH-16

हनुमन्तवाका, विशाखपट्टणम - 530 040, ए.पि., भारत
Hanumanthavaka, Visakhapatnam - 530 040, A.P., India



दूरभाष / Phone : 0891-2707600

2714119

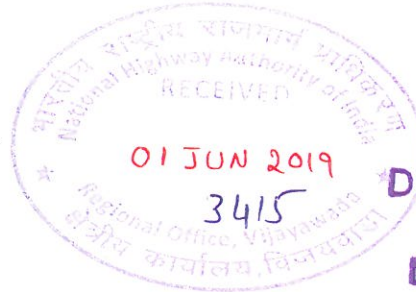
फैक्स / Fax No. : 0891-2714118

ई-मेल / E-mail : vis@nhai.org

NHAI/PIU-VSP/NFS/OFC/2019/496.

Date: 25.05.2019

To
The Regional Officer,
National Highways Authority of India,
Regional Office, Gurunanak Nagar,
Teachers Colony,
VIJAYAWADA



DGM-(T)/TSK/NHK:-

MGR-(T)/YM

Sub: NHAI, PIU, Visakhapatnam - Permission for laying of Andhra Pradesh State Fiber Net Ltd., (APSFL) Optical Fiber Cable (OFC) from NAD Junction at Km 713.850 to Visakha Dairy Junction at Km 719.850 along LHS on NH-16 for a length of 6000 m - **Request for issuing NOC** - Reg.

Ref: (1) APFSL Lr.No. GM(T)OP/APSFL/F.No./D.No./19 dt. 18.03.2019.
(2) This office letter No.NHAI/PIU-VSP/BSNL/OFC/2019/114 dt. 18.04.2019.
(3) Mr. Kiran Kumar, HME Lr.No. MSV-Armange/O&M/NHAI-PIU-VSP/APSFL-OFC-Permission/2019-20/54 Dt. 26.04.2019.

Sir,

1. The General Manager (Operations), Transmission Projects, APSFL, Visakhapatnam has submitted a proposal with a request to accord permission for laying of Optical Fiber Cable (OFC) from NAD Junction at Km 713.850 to Visakha Dairy Junction at Km 719.850 along LHS on NH-16 for a length of 6000 m, Visakhapatnam City on NH-16 in the State of Andhra Pradesh.
2. The proposal has been inspected and verified by M/s. MSV Armange and submitted their recommendations vide their letter under 3rd reference (**copy enclosed**) as per the guidelines and the following points are communicated.
 - (i) Sufficient ROW is available at the OFC proposed locations and since some of the locations are in the city limits built up area where Drains are existing, the agency has been advised to cross the NH Road at suitable depth without disturbing the drain network wherever it is noticed while taking up HDD method so that the drains will not be affected.

Jeetu

Page 1 of 2

Building a Nation, Not Just Roads

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

- (ii) The Agency has agreed to execute the work through Horizontal Directional Drilling (HDD) Method for laying of OFC.
- (iii) The check list submitted the Agency is duly verified for relevant information against each item and are found to be correctly mentioned as per the specified MoRTH guidelines.
3. The following documents are submitted by the Agency as per the norms and to be followed at site.
- (a) Proposal letter;
 - (b) License deed;
 - (c) Check List;
 - (d) Certificate (undertaking license deed) as per S.No.5.9 of Checklist;
 - (e) Undertaking as per MoRT&H Circular dtd. 07.08.2013;
 - (f) Indemnity bond against all damages and claims as S.No. 5.6 of checklist;
 - (g) Affidavit to take all the actions as prescribed in the checklist from 5.1 to 5.12;
 - (h) Technical Specification for laying of duct;
 - (i) Trenchless method / Bridge crossing method;
 - (j) Brief description of HDD Methodology;
 - (k) Cross section;
 - (l) Plan and profile submitted for laying of OFC;
 - (m) Checklist;
4. The calculation of license fee is **enclosed herewith**.
5. Keeping in view of the recommendations of the Consultants, the proposal submitted by the APSFL to lay Optical Fiber Cable (OFC) from NAD Junction at Km 713.850 to Visakha Dairy Junction at Km 719.850 along LHS on NH-16 for a length of 6000 m, Visakhapatnam City on NH-16 in the State of Andhra Pradesh is herewith recommended for according necessary approval of the competent authority please.

Encl: Proposal in two sets
(01 Original + 01 Duplicate)

Yours faithfully,

25/05/19.
J. Ch. Venkataratnam
Project Director

CERTIFICATE

- 1 It is certified that the proposal for "laying of Optical Fiber Cable (OFC) from NAD Junction at Km 713.850 to Visakha Dairy Junction at Km 719.850 along LHS on NH-16 for a length of 6000 m, Visakhapatnam City on NH-16 in the State of Andhra Pradesh is confirming of all the standard conditions / guidelines issued vide Ministry circular No. RW/NH-33044/29/2015/S&R(R) dt. 22.11.2016.
- 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 and traffic safety of the Highway nor the likely future improvement such as widening of the carriageway easing of curve etc.
- 3 I will notify / forfeit the BG for claims for damages done / disruption in working, if any.
- 4 It is also certified that the details of the proposed permission shall be entered in the Register of Records of the permission maintained by PIU.


25/05/19.
J. Ch. Venkataratham
Project Director

NHAI, PIU, Visakhapatnam





MSV INTERNATIONAL INC.

In Association with

ARMENGE ENGINEERING AND MANAGEMENT CONSULTANTS PVT. LTD.

ISO 9001: 2015
Certified Company

MSV International, Inc.
Project Office
2nd Floor, D. No: 1-55/9, Shipyard Layout
Bindra Nagar, Madhurawada
Visakhapatnam - 530048
Email:
msvarmenge.ranastharam@gmail.com

CONSULTANCY SERVICES FOR THE IE SERVICES FOR ANANDAPURAM-ANAKAPALLI OF NH-16 IN THE STATE OF ANDHRA PRADESH

Lr.No.MSV-Armenge/O&M/NHAI-PIU-VSP/APSFL-OFC-Permission/2019-20/54 Date: 26.04.2019

The Project Director
National Highways Authority of India
PIU, NHAI Enclave
Hanumanthavaka Jn.,
Visakhapatnam - 530 040



Sub: NHAI Works- Consultancy Services for supervision of short Term Improvement and routine Maintenance of a) Anandapuram- Visakhapatnam - Anakapalli section from Km 682.980 to 741.256 (length - 58.276 Kms) of NH-16 (NH-5); b) Visakhapatnam Port connectivity Project corridor from Km 0.0 to 10.336 with main flyover and ramps (length - 12.50 Kms) in the state of Andhra Pradesh, - **Report on request permission for laying of Andhra Pradesh State Fiber Net Limited (APSFL) OFC From Km.713.850(NAD Jn.) to Km.719.850(Visakha Dairy Jn.) along LHS of NH-16 - Reg.**

Ref: 1) Y/o Lr.No. NHAI/PIU-VSP/BSNL/OFC/2019/114 dated 18.04.2019
2) APFSL Lr.No. GM (T) OP/APSFL/F NO./D.NO./19 dated 18.3.2019

Respected Sir,

We have inspected the site From Km.713.850 (NAD Jn.) to Km.719.850 (Visakha Dairy Jn.) along LHS of NH-16 and as per the letter vide reference cited above, for laying of OFC.

1. The General Manager Operations (Technical), Transmission Projects, PSFL, Visakhapatnam vide his letter under reference cited 2nd above has submitted a proposal for laying Optical Fiber Cable (OFC) from Km.713.850 (NAD Jn.) to Km.719.850 (Visakha Dairy Jn.) on LHS side along NH proposed in Visakhapatnam District, as detailed in the drawings enclosed to the requisition.
2. The check list submitted by the agency is duly verified for relevant information against each item and is found correct as per the specified MORTH guidelines requirement.

3. The following documents are submitted by the Agency as per the norms and to be followed at site.

- a) Proposal Letter addressed to PD/NHA/PIU, Visakhapatnam.
- b) Specification Report to accompanying the estimate towards License Fees for Laying of OFC cable.
- c) License Fees Estimate.
- d) Agreement regarding granting of Right of Way permission.
- e) Undertaking for Performance Bank Guarantee.

NHAI PIU	VSP
M (T)	
JYM M(T)	
JAO	
PS(ML)	
PS(VL)	
PA(RVG)	
ACCTS	

Continued on page2

- f) Certificate for Six Laning,
- g) Indemnity bond against all damages and claims as Sl. 5.6 of Check list .
- h) They have given Affidavit to take all the actions as prescribed in the Check List from 5.1 to 5.12.
- i) Format for maintain records of ROW permission granted for laying OFC .
- j) Technical specification for laying of duct.
- k) Brief description of Horizontal Directional Drilling and Open Trench Methodology.
- l) Cross section.
- m) Plan and profile submitted for lying of OFC on along the Structures and cross Drainages.
- n) Check List


Keeping in view of the above, we are of the opinion that permission may be accorded to APSFL, to lay OFC line. However the Competent Authority may take appropriate decision to permit APSFL to lay OFC line along the National Highway.

This is submitted for your information and necessary action please.

Thanking you,

Yours faithfully,

MSV-ARMENGE Engineering and Management Consultants Pvt. Ltd.


Kiran Kumar
Highway Maintenance Engineer

NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU, VISAKHAPATNAM

RECORDS OF RIGHT-OF-WAY PERMISSION GRANTED FOR LAYING OF OFC CABLES

of State : Andhra Pradesh
of PIU of NHAI : Visakhapatnam
number : 5 (Old) 16 (New)

S. No.	Location (chainage in Km.)	Left or Right side of NH (towards increasing chainage/ Km. direction)	Section and reach	Kind of service	Name of licensee and contact address	Date of signing of agreement	Date of validity of agreement	Date of last inspection	Any deviation from MOST standard norms	Remarks
1	at Km 744/400	Crossing of NH on Left side 22.87m and on Right side 37.13 m	Kolkata - Chennai corridor	OFC cables	M/s. Bharti Airtel Ltd., Vijayawada	02.01.2007	01.01.2027	--	--	Crossing at Pudimadaka Village
2	From Km 551 to 544; From Km 555/5 to 581/4; From Km 586/6 to 600/2	Laying of OFC for a total length of 48,500 meters along NH-16	Kolkata - Chennai corridor	OFC cables	M/s. Reliance Jio Infocomm Ltd., Hyderabad	30.03.2015	29.03.2035	--	--	
3	From Km 495 to 503/6; From Km 513/3 to 520/8; From Km 532/1 to 544	Laying of OFC for a total length of 28,000 meters along NH-16	Kolkata - Chennai corridor	OFC cables	M/s. Reliance Jio Infocomm Ltd., Hyderabad	30.03.2015	29.03.2035	--	--	
4	From Km 503/6 to 513/3; From Km 520/8 to 532/1; From Km 551 to 555/5	Laying of OFC for a total length of 25,500 meters along NH-16	Kolkata - Chennai corridor	OFC cables	M/s. Reliance Jio Infocomm Ltd., Hyderabad	30.03.2015	29.03.2035	--	--	
5	From Km 608/6 to 676/2	Laying of OFC for a total length of 67,600 meters along NH-16	Kolkata - Chennai corridor	OFC cables	M/s. Reliance Jio Infocomm Ltd., Hyderabad	14.01.2014	13.01.2034	--	--	
6	From Km 676/2 to 681/7; From Km 683 to 701	Laying of OFC for a total length of 23,500 meters along NH-16	Kolkata - Chennai corridor	OFC cables	M/s. Reliance Jio Infocomm Ltd., Hyderabad	04.02.2014	03.02.2034	--	--	
7	From Km 722/3 to 741/3	Laying of OFC for a total length of 19,000 meters along NH-16	Kolkata - Chennai corridor	OFC cables	M/s. Reliance Jio Infocomm Ltd., Hyderabad	14.01.2014	13.01.2034	--	--	

SPECIFICATION REPORT

Specification report to accompanying the estimate towards License Fee for laying of O.F. Cable from NAD Jn (KM Ref: 713/850) to Visakha Dairy Jn (KM Ref: 719/850) on L.H.S along NH Road by **M/s. Andhra Pradesh State FiberNet Ltd.**

Estimate Amount Rs. 44132.00


The General Manager (Operations), APSFL, Visakhapatnam vide his letter No. have requested to issued permission for laying of O.F. Cable from NAD Jn (KM Ref: 713/850) to Visakha Dairy Jn (KM Ref: 719/850) on L.H.S along NH Road by **M/s. Andhra Pradesh State FiberNet Ltd.**

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/Towns falling in the proposed stretch of road, corresponding chainages and breakup of Village/Town wise land rates are as follows:

Sl.No	Name of the Village/Town	Chainage (KMR)		Length (Km)	Rate of Abutting NH	
		From	To		Per Sq. Yd	Per Sq.m
1	Baji Junction	713/850	714/0	0.150	47000	39010
2	Kakaninagar	714/0	714/8	0.800	26000	21580
3	Sheelanagar	714/8	719/2	4.400	13500	11205
4	Akkireddypalem	719/2	719/850	0.650	14500	12035

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

Hence the license fee estimate is prepared as per MORTH guide lines vide Lr. No: RW/NH-33044/29/2015/S&R(R) Dated: 22/11/2016


D. R. PRASAD
General Manager
Tech - Operations
A.P State Fiber Net Ltd.
Visakhapatnam-530017


Project Director
NHAI,
Visakhapatnam

LICENSE FEE ESTIMATE

Name of the work: Towards License fee for laying of O.F.Cable from NAD Jn.(KM Ref 713.850) to Visakha Dairy Jn. (KM Ref 719.850) on LHS along NH-16 M/s. Andhra Pradesh state fiber Net Limited.										
Estimate-A										
LICENSE FEE CHARGES										
Sl.No.	Description	No	Measurements			Quantity	Quantity	Rate	Per	Amount
			L	B	D	Sq.m	Per Sq.yd	Per Sq.yd	Sq yrd	Rs
1	2	3	4	5	6	7	8	9	10	11
Name of the work: Towards License fee for laying of O.F.Cable from NAD Jn.(KM Ref 713.850) to Visakha Dairy Jn. (KM Ref 719.850) on LHS along NH-16 M/s. Andhra Pradesh state fiber Net Limited.										
1	Km 713.850 to Km 714.000	1	150	0.04	-	6	7.176	47000	Sq yrd	337272
2	Km 714.000 to Km 714.800	1	800	0.04	-	32	38.272	26000	Sq yrd	995072
3	Km 714.800 to Km 719.200	1	4400	0.04	-	176	210.496	13500	Sq yrd	2841696
4	Km 719.200 to Km 719.850	1	650	0.04	-	26	31.096	14500	Sq yrd	450892
			6000						Total Rs.	4624932.00
	License fee (Rs/Sq.m/Month)				=	4624932.00		=	38541.10	
	License fee for 5 years=				5 X 12 X	38541.10		=	2312466.00	
	The License 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 (R) Dated 22nd Nov.2016									763113.78
	Rounding off									763114
(Rupees Seven lakhs Sixty three Thousand One Hundred and Fourteen Only)										

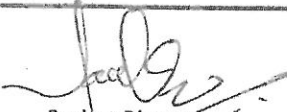
Performance Bank Guarantee Amount calculation

Amount of Performance Bank Guarantee to be submitted = Total No. of route meters x Rs. 100/- per route meter (<=300 mm dia/width)

i.e. 6000 x Rs. 100 = 6,00,000 /-

Performance Bank Guarantee Amount = 6,00,000/-

321507542
10/12/19
gym(7)


Project Director
NHAI, Visakhapatnam

CHECK LIST


Guidelines for processing the proposal of laying optical Fiber cable by Andhra Pradesh State Fiber Net Limited (APSFL) in the land along National High ways vested with NHA.


Relevant Circulars

1. Ministry Circular No: NH-41(58)/68 dated.31-01-1969.
2. Ministry Circular No: NH-III/P/66/76 dated.18-11-1976
3. Ministry Circular No: RW-NH-III/P/66/76 dated.01-05-1982
4. Ministry Circular No: RW-NH-11037/1/86-DOI(II) dated.28-07-1993
5. Ministry Circular No: RW-NH-11037/1/86-DOI dated.19-01-1995
6. Ministry Circular No: RW-NH-34066/2/95 S&R dated.25-10-1999
7. Ministry Circular No: RW-NH-34066/7/2003 S&R(B) dated.17-09-2003
8. Ministry Circular No: RW-NH-33044/29/2015/S&R(R) dated.22-11-2016

Check list for getting approval for laying of optical fibre cables on NH land.

Sl No	Item	Information / Status	Remarks
	General Information	Proposal for Permission of Laying of Optical Fibre Cable along NH-16 From Km.713.850 to Km.719.850 LHS Side in Visakhapatnam District.	
1.1	Name and Address of the Applicant/Agency	Andhra Pradesh State FibreNet Ltd(APSFL) Reg Office: 3 rd Floor,NTR Administration Block,Pandit Nehru Bus Station,NH-65,Vijayawada-520001,Andhra Pradesh	
1.2	National Highway Number	NH-16	
1.3	State	Andhra Pradesh	
1.4	Location	From Km.713.850(NAD Jn) to Km.719.850(Visakha Dairy Jn) LHS Side	
1.5	(Chainage in Km)	From Km.713.850 to Km.719.850	
1.5(a)	Crossing of NH Road at Chainage in Km	No Crossing	
1.6	Length in Meters	6000 meters	
1.7	Width of available ROW	60 meters	
	a) Left side from center line towards increasing Chainage/Km direction	30 m	
	b) Right side from center line towards increasing Chainage/Km direction	30 m	
1.8	Proposal to lay the Cable		
	(a) Left side from center line towards increasing Chainage/Km direction	From Km.713.850 to Km.719.850	
	(b) Right side from center line towards increasing Chainage/Km direction	NA (No Right Side Cable Laying)	
1.9	Proposal to acquire land		
	(a) Left side from center line	N.A	
	(b) Right side from center line	N.A	


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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	At the edge of available ROW	
1.11	Details of already laid services, if any, along the proposal route	NFS of PICG	
1.12	Number of lanes(2/4/6/8) existing	4 lanes	
1.13	Proposed Number of lanes(2 lanes with paved shoulders/4/6/8 lanes)	---	
1.14	Service road existing or not	No, There is no Service Road .	
	If yes then which side	N.A(There is no Service Road)	
	(a) Left side from center line		
	(b) Right Side from center line	N.A(There is no Service Road)	
1.15	Proposed Service Road	N.A (NO Proposal of Service Road)	
	(a) Left side from Center Line		
	(b) Right side form Center Line	N.A (NO Proposal of Service Road)	
1.16	Whether proposal to lay Cable is after the service road or between the service road and main carriage way	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 or cable 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 or cable has been proposed on parapet/any part of the bridges. If yes, then mention the methodology proposed for the same.	Yes, Cable shall be laid within the utility corridor of 2m at the edge of ROW Enclosed the methodology	
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.	No(There is no Crossing of the Road)	
	(a) Whether existing drainage structures are allowed to carry utility pipeline.	N.A	
	(b) Is it on a line normal to NH	Yes, Cable shall be laid clear of the drain where ROW is restricted.	
	(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.	Maintain the 15 m	
	(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.	No	
	(e) The casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	No	
	(f)The casing/conduit pipe should, as minimum extend from drain to drain in	NA	


Free


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	cuts and toe of slope in the fills.		
	(g) The of the casing/conduit pipe should be at least 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.	YES	
	(h) Mention the methodology proposed for crossing of road for the proposed Sewage/gas/cable line. Crossing shall be by boring method (HDD) (Trench-less Technology), specially, where the existing road pavement is of cement concrete or dense bituminous concrete type.	NA(There is no Crossing)	
	(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 waterway along it.	NO	
2.	Document /Drawings enclosed with the proposal	Enclosed	
2.1	Cross section showing the size of trench for open trenching method (is it normal size of 1.65m deep X 0.5m wide) (i) Should not be greater than 60 Cm wider than the outer diameter of the pipe. (ii) Located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the center-lines of the nearest carriageway. (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. (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.	Yes, open trenching cross section attached	
2.2	Cross section showing the size of pit and location of cable for HDD Method	YES	
2.3	Strip plan/Route Plan showing the OFC, Chainage, Width of ROW, distance of proposed, cable from the edge of ROW, important mile stone , intersections, cross drainage works etc.	Strip plan showing all the details is attached.	
2.4	Methodology for laying OFC	enclosed	
2.4.1	Open trenching method. if yes, methodology of refilling of trench. (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.	Yes, Backfilling shall be done with granules material. Compaction shall be done in layers of 15cm each. The trench shall be filled up to the required height of 1.65 m (measured from top of ducts as per trench cross section drawing attached in the proposal). A crown of 250mm shall	


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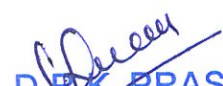
		be made at the top of the backfilled trench to cater for soil settlement.	
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	YES	
	(b) For filling of the trench, Bedding shall be to a depth of not less than 30 cm. It shall consist and cobbles 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.	YES	
	(c) The back fill 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 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 has been removed. Consolidation by saturation or ponding will not be permitted.	YES	
	(e) The road crust shall be built to the same strength as the existing crust on either side of the 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 red lights during night hours.	YES	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line.	YES	
2.4.2	Horizontal Directional Drilling (HDD) Method	Yes at Built up Area, Road Crossing,Culverts,Bridges&Petrol Bunks Etc.,	
2.4.3	Methodology for laying of OFC through CD works and method of laying. In case where the carrying of cable line on the bridge becomes inescapable	Wherever cable ducts are available OFC shall be laid in such ducts. In the absence of cable ducts, OFC shall be clamped outside the parapet wall of the bridge. Drawing Enclosed.	
3	Draft License Agreement signed by two witnesses	Yes, Enclosed	
3.1	The license fee estimate as per Ministry's Circular No. RW/NH-33044/29/2015-S&R(R) dated 22/11/2016 is obtained	Yes, Enclosed	
4	Whether Performance BG as per Ministry's Circular No. RW/NH-33044/29/2015-S&R(R) dated 22/11/2016 is obtained	Undertaking for submission of BG has been obtained from M/s. APSFL.	
4.1	Confirmation of BG has been obtained as per MoRTH/NHAI guide lines	Confirmation of BG Shall be obtained after BG Submission by M/s APSFL	
5	Affidavit/undertaking from the applicant for the following is to be furnished.		
5.1	Undertake for not to damage any other	Yes, Enclosed	


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Yes, Enclosed
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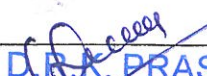
	utility, if damaged then to pay the losses either to NHAI or to the concerned agency		
5.2	Undertake for Renewal of Bank Guarantee as and when asked by MoRTH/NHAI.	Yes, Enclosed	
5.3	Undertaking for Confirming all standard condition of NHAI's guidelines	Yes, Enclosed	
5.4	Undertaking for Indemnity against all damages and claims clause	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-way	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 text of the license deed is as per verbatim of MoRTHformat(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 Explosive, 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.	Yes, Enclosed, If Required Permission will be taken from concerned Departments.	
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 as the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes, Enclosed	
5.12	Certificate from the applicant in the following format (i) Laying OFC able will not have any deleterious effects on any of the bridge components and roadway safety for Yes, enclosed traffic. (ii) " We do undertake that I/We will relocate service road/approach road/utilities at my/our own cost	Yes, enclosed	


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	notwithstanding the permission granted within such time as will be stipulated by NHAI" for future six-lanning or any other development".		
6	Who will sign the agreement on behalf of Optical Fibre Cable agency	General Manager(T) Operations, Andhra Pradesh State Fiber Net Limited(APSFL)	
7	Power of Attorney to sign the agreement is available or not	Yes , Enclosed	
7	The Project Director will submit the following Certificates.	Yes, Enclosed	
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(R) dated 22/11/2016	Yes, Enclosed	
7.2	Certificate from PD in the following format (i) "It is certified that any other location of OFC line would be extremely difficult and unreasonable costly and the installation of OFC line within ROW will be 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-lanning based on the feasibility report considering proposed structures at the said location". (b)In case of feasibility report is not available " I do certify that sufficient ROW is available at site for accommodating proposed Six-lanning"	N.A	
8	If NH Section proposed to be taken up by NHAI of BOT basis a clause is to be inserted in the agreement " The permitted Highway on which Licensee has been granted as a right of way to the concessionaire under the concession agreement for up gradation of Kolkata – Chennai corridor from Km. to Km. of NH No:16 on Build Operate and Transfer Basis and therefore, the licensee shall honour the same"	N.A	
9	Who will supervise the work of laying Optical Fibre Cable	General Manager(T) Operations, Andhra Pradesh State Fiber Net Limited(APSFL)	
	(a) On behalf of the Applicant	General Manager(T) Operations	
	(b) On behalf of NHAI	NHAI, PIU, Visakhapatnam/ 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, Visakhapatnam/ Supervision consultant	


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	(a) On behalf of the Applicant	General Manager(T) Operations, Andhra Pradesh State Fiber Net Limited(APSFL)	
	(b) On behalf of NHAI	NHAI, PIU, Visakhapatnam/ Supervision consultant	
11	Who will pay the claims for damage done/disruption in working of concessionaire if asked by the concessionaire.	Andhra Pradesh State Fiber Net Limited(APSFL)	
	On behalf of the Applicant	General Manager(T) Operations, Andhra Pradesh State Fiber Net Limited(APSFL)	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permission in the prescribed proforma (copy enclosed).	Yes, Enclosed	
13	If any previous approval is accorded for laying of under ground Optical Fibre Cable then photocopy of register of records of permission accorded as maintained by PD be enclosed.	Yes, Enclosed	

[Name Designation and signature of the authorized representative of applicant]

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

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