



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

(Ministry of Road Transport & Highways)

कार्यालय क्षेत्रीय अधिकारी, आंध्र प्रदेश क्षेत्र

Office of the Regional Officer, Andhra Pradesh Region

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

Plot No.21, Teacher's Colony, Gurunanak Nagar Road, Vijayawada-520 008. A.P.

टेली / Tele : 0866-2483910

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



Ref : NHAI/RO-VJA/C-V/2018-19/1448

Date : 19-06-2018

To

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

Sub: 6 laning of Chilakaluripet - Vijayawada section of NH-16 - M/s. Vodafone Mobile Services Ltd., - Permission for laying Telecom Cables/OFC/Ducts from Km. 361/930 to Km.363/400 and Km.364/580 to Km.364/620 of NH-16 at Chilakaluripet town Guntur District for a length of 1510m along NH-16 - Public comments - Reg.

Sir,

Please find enclosed herewith a proposal of M/s. Vodafone Mobile Services Ltd., seeking NOC for laying Telecom Cables/OFC/Ducts from Km. 361/930 to Km.363/400 and Km.364/580 to Km.364/620 of NH-16 at Chilakaluripet town Guntur District for a length of 1510m along NH-16.

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.

Yours faithfully,

(Anil Dixit),
Regional Officer
RO - Vijayawada

Encl: As above

Copy to: 1) PD, PIU - Amaravathi - for information
2) M/s. Vodafone Mobile Services Ltd., - 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.क्र.२१, टीचर्स कॉलोनी, गुरुनानक नगर मार्ग, विजयवाड़ा-५२० ००८. आंध्र प्रदेश

Plot No.21, Teacher's Colony, Gurunanak Nagar Road, Vijayawada-520 008. A.P.

टेली / Tele : 0866-2483910
ई-मेल / E-mail : rovijayawada@nhai.org
nhairovja@gmail.com



Ref : NHAI/RO-VJA/C-V/2018-19/ 1447

Date : 19-06-2018

INVITATION OF PUBLIC COMMENTS

Sub: 6 laning of Chilakaluripet - Vijayawada section of NH-16 - M/s. Vodafone Mobile Services Ltd., - Permission for laying Telecom Cables/OFC/Ducts from Km. 361/930 to Km.363/400 and Km.364/580 to Km.364/620 of NH-16 at Chilakaluripet town Guntur District for a length of 1510m along NH-16 - Public comments - Reg.

The Project Director, PIU - Amaravathi submitted a proposal of BSNL, Guntur for laying Telecom Cables/OFC/Ducts from Km. 361/930 to Km.363/400 and Km.364/580 to Km.364/620 of NH-16 at Chilakaluripet town Guntur District for a length of 1510m along NH-16.

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



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 : piuamaravati@nhai.org
nhaipiuamaravati@gmail.com



भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

NHAI/PIU-Amaravati/11013/13(OFC)/2017/Vol.1 /432

Date.21-05-2018

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



Sub: NHAI, PIU, Amaravati - 6 laning of Chilakaluripet - Vijayawada section of NH-16 - M/s. Vodafone Mobile Services Ltd., - Permission for laying Telecom Cables/OFC/Ducts from Km. 361/930 to Km.363/400 and Km.364/580 to Km.364/620 of NH-16 at Chilakalurpet town Guntur District for a length of 1510m along NH-16 - Reg.

Sir,

It is to inform that M/s. Vodafone Mobile Services Ltd., vide letter No. Vodafone/NH-16/ROW/OFC/004 dated.20.04.2018 requested permission for laying OF Cable from Km. 361/930 to Km.363/400 and Km.364/580 to Km.364/620 of NH-16 at Chilakalurpet town Guntur District for a length of 1510m along NH-16.

PIU, vide letter no. NHAI/PIU-Amaravati/11013/13(OFC)/2016/Vol.1/350 dated 24.04.2018 forwarded the proposal to IE, M/s Aarvee Associates requesting to examine the proposal as per MoRTH guidelines and furnish necessary comments/ recommendations.

IE, M/s Aarvee Associates vide letter no. AA/OM/1956/VJA/NHAI/Permissions/16-17/657 dated 17.05.2018 submitted as follows:

1. The applicant has submitted:

- (i). Checklist
- (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.

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V.L. vs

#2#

- (vi). Indemnity Bond.
 - (vii). Undertaking to carryout HDD works
 - (viii). License Fee estimate for laying optical Fiber cable on NH-16 with supporting docs.
2. As per the plan submitted, the applicant has proposed to lay the Optical Fiber Cable Parallel to the road by HDD trenching method. The trench will be in the ROW within 2m utility corridor and will be straight along highway. At road crossings, restricted ROW, Drains, Culverts, Bridges the applicant has proposed Horizontal Direction Drilling method (HDD method).
 3. Applicant submitted the typical cross section of Optical Fiber Cable trench and typical cross section for HDD with methodology.

While submitting the above IE recommended for approval of Competent Authority for laying OF cable as requested by the applicant.

In light of the above, the proposal along with the copies of all the above mentioned documents is herewith submitted and it is recommended for approval of the Competent Authority for laying OF Cable from Km. 361/930 to Km.363/400 and Km.364/580 to Km.364/620 of NH-16 at Chilakalurpet town Guntur District for a length of 1510m along NH-16.

Encl.As above.

Yours faithfully,



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

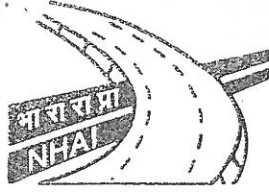
Records of Right of Way permission granted for laying OFC

1. Name of the State : Andhra Pradesh
 2. Name of the Agency : NHAI
 3. Name of PIU : Amaravati (AP)
 4. NH Number : 16 (Chilakaluri - Vijayawada)

Sl. 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	Any deviation from MOST standard norms	Remarks
1	Km.399.690 to Km.400.690 - 1000m	RHS	Chilakaluri - Vijayawada Section of NH-16	OFC	PICG, Air Force (Defense)	No	
2	from Km.1104 to Km.1114 -10900m	LHS	Chilakaluri - Vijayawada Section of NH-16	OFC	PICG, Air Force (Defense)	No	
3	Km.418.030 to Km.418.420 - 390m	RHS	Chilakaluri - Vijayawada Section of NH-16	OFC	Idea Cellular	No	
4	Km.411.860 to Km.414.158 -2371m	LHS & RHS	Chilakaluri - Vijayawada Section of NH-16	OFC	Bharati Airtel Limited	No	
5	Km.1100.000 to Km.1103.400 - 3500m	RHS & Crossings	Chilakaluri - Vijayawada Section of NH-16	OFC	Idea Cellular Ltd.	No	
6	Km.1138.200 to Km.1175.200, Km.1177.400 to Km.1182.803 and 2 crossing at Km.1138.200 & 1165.100 - 42642m	RHS & Crossings	Chilakaluri - Vijayawada Section of NH-16	OFC	Reliance Jio	No	
7	Km.411.840 to Km.412.810 - 970m	LHS, RHS & Crossings	Chilakaluri - Vijayawada Section of NH-16	OFC	Reliance Jio	No	
8	Km.360.450 to Km.363.740, 360.700 to Km.362.180 and crossings at 360.700, 362.180, 363.020, 364.480 - 5040m	LHS & RHS, Crossings	Chilakaluri - Vijayawada Section of NH-16	OFC	Reliance Jio	No	
9	Km.1114.000 to Km.1126.200 -12200m	RHS	Chilakaluri - Vijayawada Section of NH-16	OFC	Reliance Jio	No	
10	Km.397.200 to Km.355.000 for a total length of 42200m	RHS	Chilakaluri - Vijayawada Section of NH-16	OFC	Reliance Jio	No	

Sl. 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	Any deviation from MOST standard norms	Remarks
11	Km.432.845 to Km.437.300 and Km.424/400 to Km.428/100 - 8155 m	LHS & Crossings	Chilakaluripet-Vijayawada Section of NH-16	OFC	Reliance Jio	No	
12	Km.1138.200 to Km.1139.200 - 1000m	RHS	Chilakaluripet-Vijayawada Section of NH-16	OFC	L&T	No	
13	Km.360.450 to Km.363.740 and from Km.360.700 to Km.362.180 -5040m	LHS & RHS, Crossing	Chilakaluripet-Vijayawada Section of NH-16	OFC	Reliance Jio	No	
14	Km.399.730 to Km.400.665 and from Km.428.100 to Km.428.300 - 1135m	LHS	Chilakaluripet-Vijayawada Section of NH-16	OFC	Reliance Jio	No	
15	Km.411.900 to Km.424.600 for a total length of 12700m	LHS	Chilakaluripet-Vijayawada Section of NH-16	OFC	Reliance Jio	No	
16	Proposal for auguring at Km.435 New Phone connection to the Director of Sugar & Cane Commission	Crossing	Chilakaluripet-Vijayawada Section of NH-16	OFC	BSNL, Guntur	No	
17	Km.395/400 to Km.364/175 - & 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)	RHS & Crossings	Chilakaluripet-Vijayawada Section of NH-16	OFC	BSNL, Guntur		


 Project Director
 NHAI, PIU-Amaravati(AP)



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 इकाई, अमरावती, आंध्र.

ई-मेल / E-mail : piuamaravati@nhai.org
nhapiuamaravati@gmail.com



NHAI/PIU-Amaravati/11013/13(OFC)/2016/Vol.1 / 350.

24th April, 2018

To
The Team Leader,
M/s. Aarvee Associates Architects
Engineers & Consultants Pvt. Ltd.,
D.No.57-15-5, Pantakaluva Road,
Near SBI Bank, Patamata, Benz Circle
VIJAYAWADA - 520 010

Sub: NHAI, PIU, Amaravati - 6 laning of Chilakaluripet - Vijayawada section of NH-16 -
M/s. Vodafone Mobile Services Ltd., - Permission for laying Telecom
Cables/OFC/Ducts from Km. 361/930 to Km.363/400 and Km.364/580 to
Km.364/620 of NH-16 on Guntur - marturu Section at Chilakalurpet town
Guntur District for a length of 1510m along NH-16 - Reg.

Sir,

Please find herewith enclosed a copy of letter no. Vodafone/NH-16/ROW/OFC/004
dated.20.04.2018 received from M/s. Vodafone Mobile Services Ltd., requesting
permission to lay OF Cables from Km. 361/930 to Km.363/400 and Km.364/580 to
Km.364/620 on Guntur - marturu Section at Chilakalurpet town Guntur District for a
length of 1510m along NH-16.

In this connection, it is requested to examine the proposal with reference to
MoRTH circular, F.No. RW/NH-33044/29/2015/S&R® dated. 26.11.2016 and furnish
necessary comments / recommendations for taking further necessary action.

Yours faithfully,

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

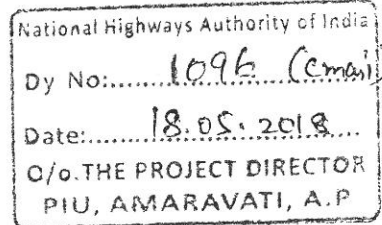
Encl: As above.

Letter No. AA/OM/1956/VJA/NHAI/Permissions/17-18/657

Date: 17th May 2018

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.



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: Permission for laying Telecom Cables/OFC/Ducts from Km.361/930 to Km.363/400 and Km. 364/580 to Km.364/620 of NH-16 on Guntur -Marturu Section at Chilakaluripet town Guntur District for a length of 1510 m along NH-16- Reg.

Ref: Lr. No.NHAI/ PIU-Amaravati /11013/13(OFC)/2016/ Vol.-1/350, dated 24.04.2018 of PIU Amaravathi.

Sir,

With reference to the letter cited above, it is to inform that M/s. Vodafone Mobile Services has requested to examine the proposal and grant permission to lay OF Cables along NH-16 between Km.361/930 to Km.363/400 and Km.364/580 to Km.364/620. 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:

1. 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.

2. As per the plan submitted, the applicant has proposed to lay the Optical Fiber Cable Parallel to the road by HDD trenching method. The trench will be in the ROW within 2M utility corridor and will be straight along highway. At road crossings, restricted ROW, Drains, Culverts, Bridges the applicant has proposed Horizontal Direction Drilling method (HDD method).

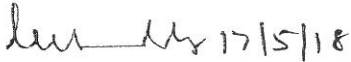
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3. Applicant submitted the typical cross section of Optical Fiber Cable trench and typical cross section for HDD with methodology.

In view of the above we found the proposal submitted by M/s. Vodafone Mobile Services Ltd., for laying of O.F. Cables is in order. Hence, competent Authority may take a suitable decision to accord permission to lay Vodafone 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.

CERTIFICATE

1. Undersigned has examined the proposal of the applicant for laying of Optical Fibre Cable and confirms all the standard conditions satisfied issued Ministry Circular No.RW/NH-33044/29/2015/S&R(R) dated 22.11.2016.
2. It is certified that any other location 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 highway nor the likely future improvement such as widening of the carriageway, easing of curve, etc.
3. It will be ensured that supervision of the work of laying of utility and ensured that the defects in road portion after laying of utility are corrected.
4. It will be notified/forfeit the Bank Guarantee for claims for damages done/ disruption in working, if any.
5. It will be ensured that proposed permission is entered in the register of records.
6. The record of previous proposal, if any, has been considered a copy of the same is herewith enclosed with the approval.

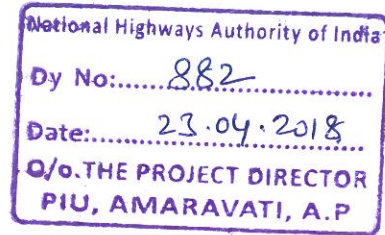

Project Director
NHAI, PIU-Amaravati(AP)



Ref: Vodafone/ NH-16/ROW/OFC/004

Date: 20/04/2018

To
The Project Director,
National Highways Authority of India,
PIU-Amaravathi, Dr.No.136-A,106&107,
1st floor, Vasanta Residency,
Lakshmi Narasimha colony,
Mangalagiri-522503, Guntur Dist, A.P



Dear Sir,

Sub: Granting of Right of Way permission for laying Telecom Cables/OFC/Ducts on National Highways from Km 361/930 to Km 363/400 and 364/580 to 364/620 of NH -16 (Old NH-5) on Guntur-Marturu Section at Chilakaluripeta town Guntur District in the state of Andhra Pradesh of NH16 Land. Submission - Reg.

Ref: 1) Ministry Circular No.RW/NH-33044/29/2015 S&R(R) dated 22.11.2016.

With reference to the letter cited above, we are re-submitting the proposal as per the latest Ministry Circular No.RW/NH-33044/29/2015 S&R(R) dated 22.11.2016 for Granting of Right of Way permission for laying Telecom Cables/OFC/Ducts on National Highways from Km 361/930 to Km 363/400 and 364/580 to 364/620 of NH -16 (Old NH-5) on Guntur-Marturu Section at Chilakaluripeta town Guntur District in the state of Andhra Pradesh of NH16 Land.

We are herewith enclosing herewith 2 sets of Strip plan, HDD methodology, License Agreement and checklist complete in all respect as per Ministry of Road Transport & Highways letter No RW/NH-33044/29/2015 S&R(R) dated 22.11.2016.

We request you to kindly Granting of Right of Way permission for laying Telecom Cables/OFC/Ducts on National Highways and return us one copy of drawing duly sealed and signed as a token of your permission.

Thanking you,

Yours truly,

For **M/s Vodafone Mobile Services Limited**

Authorized Signatory
Encl : As above



Vodafone Mobile Services Limited (CIN - U64202DL1992PLC088087)

6th Floor, Varuntower II, Begumpet,

Hyderabad - 500016, Telangana, India

T+ 914071718000, F+ 914027764700, www.vodafone.in

Registered Office: C-48, Okhla Industrial Area, Phase-II, New Delhi-110020, India

Fax: +911126385081, Phone: +91 1171718000

SPECIFICATION REPORT

Specification report to accompanying the estimate towards "License fee" for laying of O.F.Cable from KM 361/930 to KM363/400 and Km 364/580to Km 364/620 of NH -16 on Chilakaluripeta-Marturu Section at Chilakaluripeta (Town & Mandal) Guntur District in the state of Andhra Pradesh by M/s Vodafone Mobile Services Limited.

The VP-Network Operations, Network, M/s Vodafone Mobile Services Limited Registered Office at Peninsula corporate Park, GanpatraoKadamarg, Lower parel, Mumbai-400013 have requested to grant permission for laying of O.F.Cable from KM 361/930 to KM363/400 and Km 364/580to Km 364/620 of NH -16on on Chilakaluripeta-Marturu Section at Chilakaluripeta (Town & Mandal) Guntur District in the state of Andhra Pradesh.

The rate of land abutting NH/SH/ZPP/MPP obtained from the website of Registration and stamps department of Government of Andhra Pradesh is used for calculation of License fee. The list of villages falling in the proposed stretch of road with relevant, correspondingchainges and breakup of Village wise land rates are as follows.

S.No	Name of the Village	Chainage		Length in Mtrs	Rate of Land abutting NH	
		From(KM)	To(KM)		Per Acre	Per Sq.m
1	Chilakaluripeta (Town & mandal) Locality/Habitation)	361/930 364/580	363/400 364/620	1510	7700000	1902.71


The land rate corresponding to the chainges is used for calculating License Fee.

S.No	Description	Measurements in mtrs			Quantity in Sq.m	Rate / Sq.m	Amount in Rs.
		L	B	D			
1	KM361/930 to KM 363/400 KM364/580 to KM364/620 on NH-16	1510	0.15	-	226.50	1902.71	430963.815
Total Amount							430963.815

*Dia is 100mm
150mm considered
for the purpose of L.F*

License Fee (Rs/Sq.m/Month) = 430963.815
/(10X12) = Rs 3591.365/Month

License Fee for Years = 5X12x3591.365 = **Rs.215481.90/-**


Project Director,
NHAI, PIU, AMARAVATI



PERFORMANCE OF BANK GURANTEE

S.No	Description	Measurements in mtrs			Quantity in meter	Rate / meter	Amount in Rs.
		L	B	D			
1	KM361/930 to KM 363/400						
	KM364/580 to KM364/620 on NH-16	1510	-	-	1510	100	151000.00
Performance of Bank Guarantee							151000.00

(Rupees One Lakh fifty one Thousands Only)

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


Project Director
NHAI, PIU-Amaravathi





Sri. Nara Chandrababu Naidu
Hon'ble Chief Minister



REGISTRATION & STAMPS DEPARTMENT

GOVERNMENT OF ANDHRA PRADESH



Sri. M. L. Krishna Murthy
Hon'ble Deputy Commissioner, R.
Officer of Revenue Stamp & Registration

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UNIT RATES - VILLAGE WISE

District Name **GUNTUR** Mandal Name **CHILAKALURIPET**
City/Town/Village **CHILAKALURIPET(R)** Survey No. Select ▼ [Go To view Survey No. Wise Details](#)

S.No.	Habitation	Nature Of Use	Land Rate Rs. per Acre	Effective Date (dd/mm/yyyy)
1.	CHILAKALURIPET(R)	Dry land	1,760,000	01/08/2015
2.	CHILAKALURIPET(R)	House Sites	0	01/08/2015
3.	CHILAKALURIPET(R)	Agricultural Land fit for H.S.	3,993,000	01/08/2015
4.	CHILAKALURIPET(R)	Land abutting NH/SH/ZPP/MPP	7,700,000	01/08/2015

[Back](#)

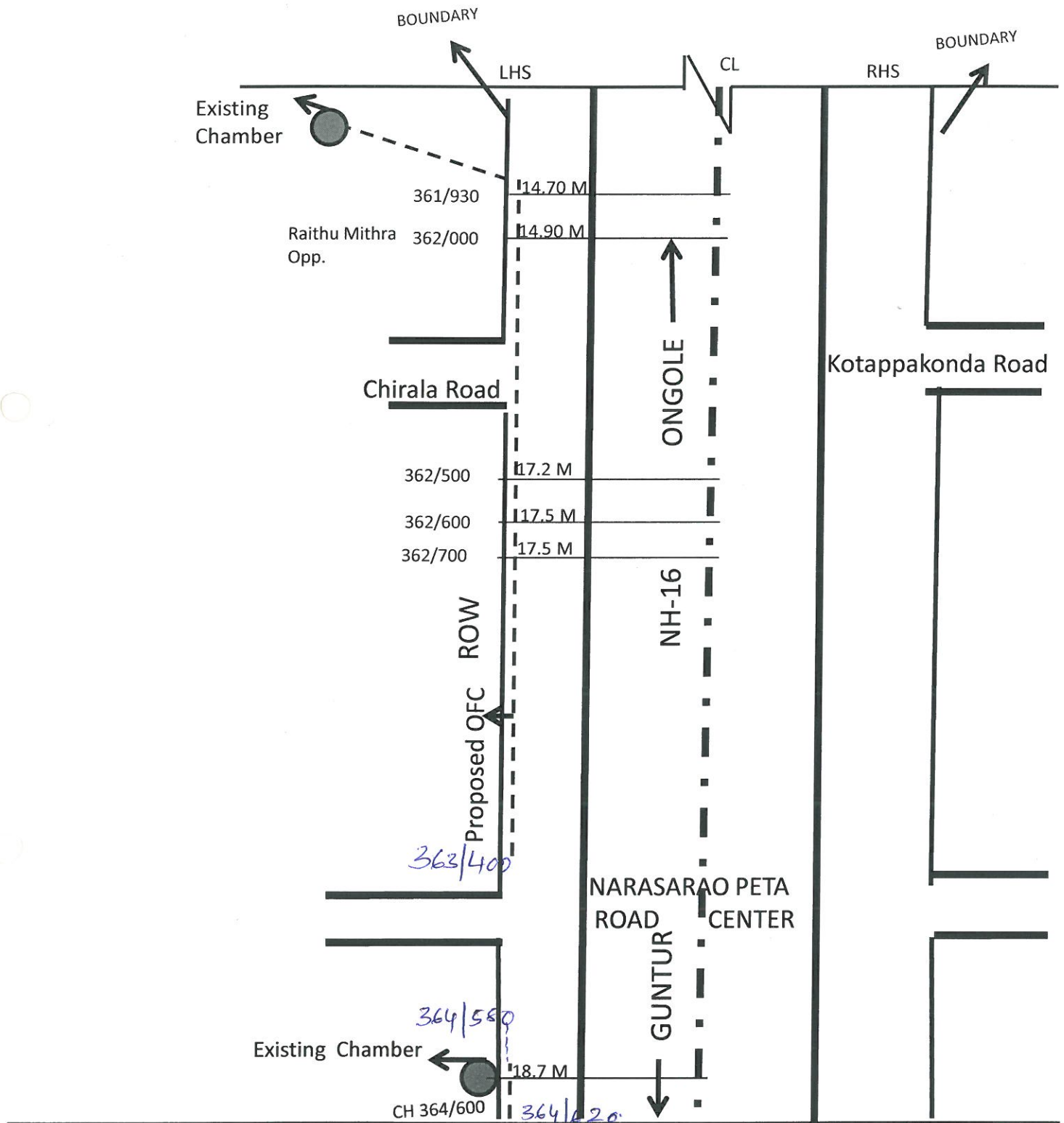
Note :

1. This is provisional information as per records maintained by registration department for the purpose of helping the registering public to estimate the stamp duty only, subject to change due to revision of market value once in a year OR adhocly due to anomalies.

2. For further details contact Sub Registrar office

CHILAKALURIPET,
6-220, CHOWTRA CENTRE
CHOWTRACENTRE, CHILAKALURIPET
CHILAKALURIPET
Phone : 253036

NH -16, Chilakaluripeta , Proposed OFC – Vodafone-1510 MT



1.CH:364/600 – 40 mt(KM364/580 to 364/620)

2.NR Peta Road Center to CH:361/930 – 1470 Mts

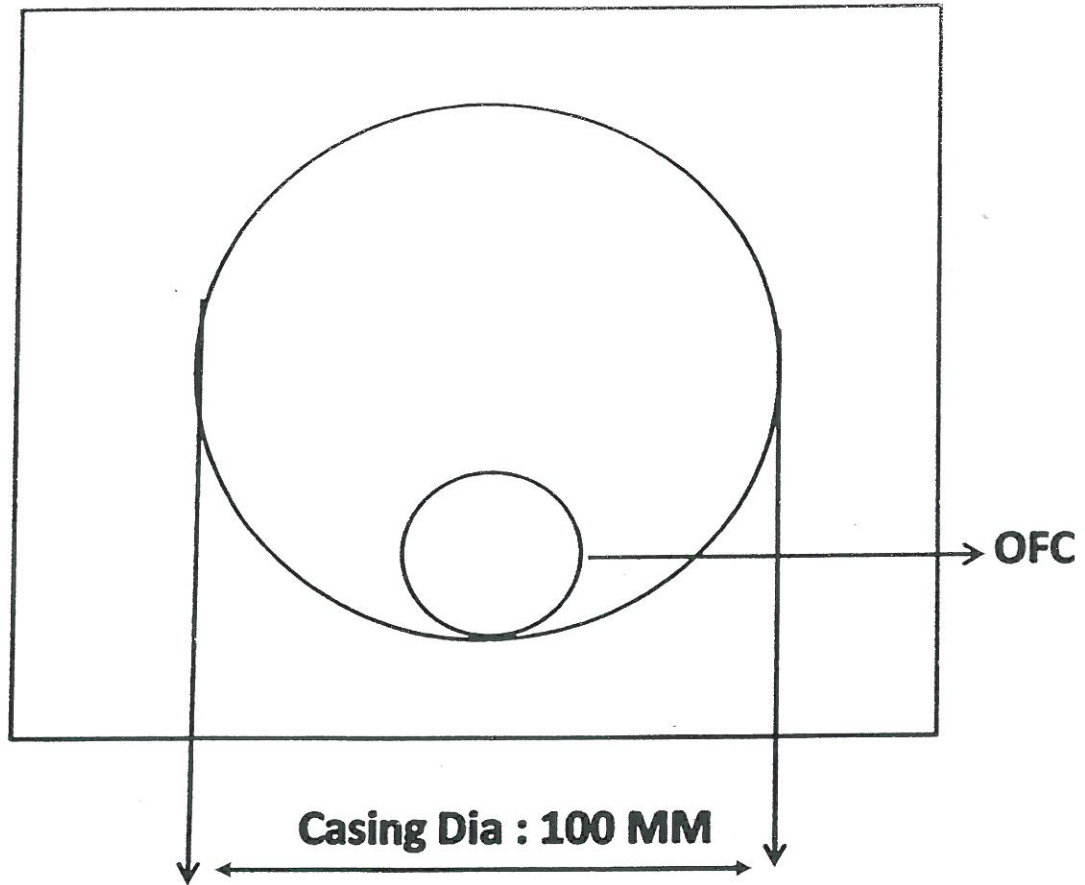
LEGENDS:-


- ROAD BOUNDARY
 - - - Proposed OFC
 - Chamber
- SCALE | NOT TO SCALE

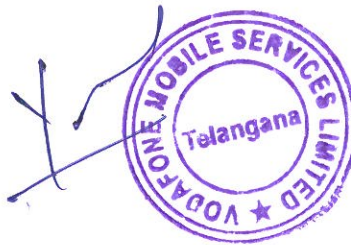
Project Director,
NHAI, PIU, AMARAVATI



Casing Pipe Details



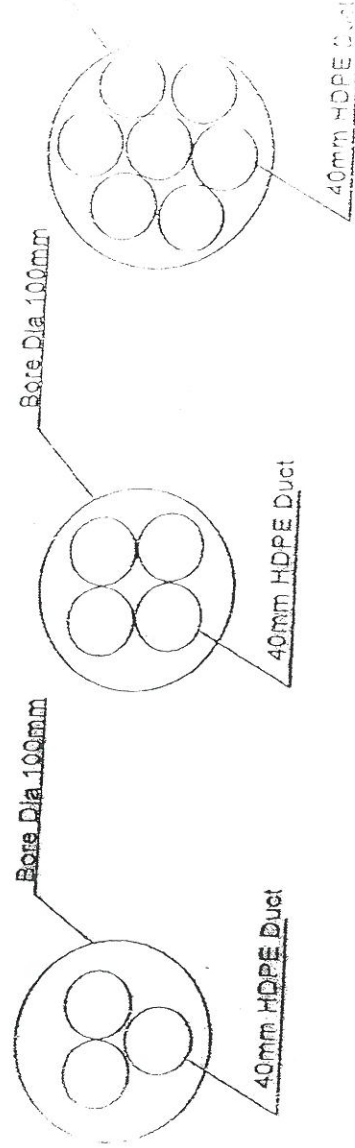
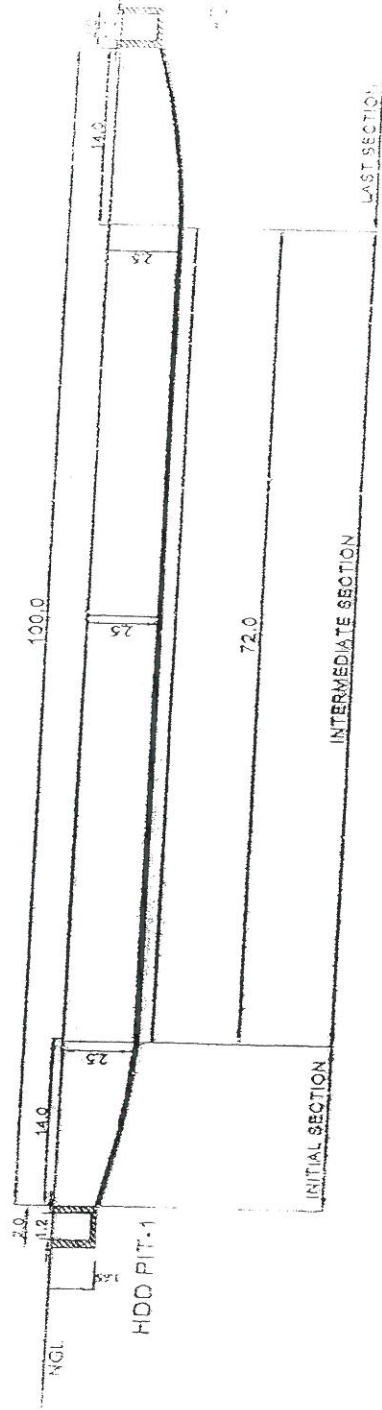

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Legends:

-  → OFC
-  → 100 MM Dia Casing

Typical Cross Sectional For HDD



Project Director,
NHAI, PIU, AMARAVATI

Methodology adopted for laying of OFC by HDD Method

General

- After through study of the entire stretch of proposed OFC laying, we have proposed to lay our OFC along the road in NH-16 (Guntur- Marturu section) from Km 361/930 to Km 363/400 and 364/580 to 364/620 of NH -16 (Old NH-5) by HDD trench Method for a Total Length of 1520 mts in the limits of National Highways A.P
- An indicative diagram is enclosed in the annexure for ready reference.
- We have proposed to lay our OFC at 2.0 to 3.0m from the extreme boundary according to the availability of space and in case where there is any possibility of our cable at 3 to 5mts depth with HDPE pipe protection.

Protection methodology in case of Culverts/cannels

- Trench shall be due at the extreme boundary across waterway to culverts/cannels up to the depth of 3 to 5mts below the invert of the culvert/cannel and HDPE pipe will be laid with concrete encasement for further protection.

Protection methodology in case of Culverts/cannels

- In case of noncompliance, we propose to lay OFC cable by HDD in shorter lengths. However, the same shall be discussed with the **NHAI** officials on case to case basis and cable routing shall be decided as per their advice.



CHECK – LIST

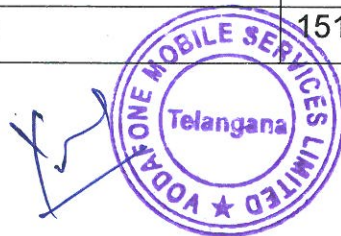
Guidelines for processing the proposal for laying optical fiber cable along National Highways vested with NHAI/PWD/BRO.

Relevant Circulars

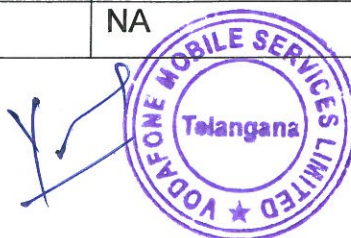
1) Ministry Circular No.RW/NH-33044/29/2015 S&R(R) dated 22.11.2016

Check list for getting approval for laying of OFC cables/Ducts on NH16 land

S.No.	Item	Information/Status	Remarks
1.	General Information		
1.1	Name and Address of the Applicant/ Agency	Vodafone Mobile Services Limited Registered under Companies Act.1956 and having its Regd.Office located: Peninsula corporate Park, Ganpatrao Kadam marg, Lower parel, Mumbai-400013, India.	
1.2	National Highway Number	NH-16 (Old NH-5)	
1.3	State	Andhra Pradesh	
1.4	Location	Chilakaluripeta town,from Raithu Mithra to Narasaraopeta road center from Km 361/930 to Km 363/400and 364/580 to 364/620 of NH -16 (Old NH-5) on Guntur-Marturu Section	
1.5	(Chainage in Km)	Chilakaluripeta town,fromRaithu Mithra to Narasaraopeta road center from Km 361/930 to Km 363/400 and 364/580 to 364/620 of NH -16 (Old NH-5) on Guntur-Marturu Section	
1.6	Length in Meters	1510 mts	



1.7	Width of available ROW		
	(a) Left side from center line to tower towards increasing chainage/Km direction	As per Sheet Attached	
	(b) Right side from center line to tower increasing chainage/Km direction	As per Sheet Attached	
1.8	Proposal to lay the cables	UG-OFC	
	(a) Left side from center line towards increasing chainage/Km direction	(At the edge of ROW) Yes, As per Drawings attached	
	(b) Right side from center line towards increasing chainage/Km direction	(At the edge of ROW) Yes, As per Drawings attached	
1.9	Proposal to acquire land	Already land acquired	
	(a) Left side from center line	-	
	(b) Right side from center line	-	
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 Proposed ROW	
1.11	Details of already laid services, if any, along the proposed route	TATA, RCOM, BSNL, Aircel & Airtel	
1.12	Number of existing lanes (2/4/6/8 lanes)	8 Lanes	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	NA	
1.14	Service road existing or not	NO	
	If yes then which side	NA	
	(a) Left side from center line		
	(b) Right side from Center line	NA	
1.15	Proposed Service road		
	(a) Left side from center line	NA	



	(b) Right side from center line	NA	
1.16	Whether proposal to laying UG-OFC line is after the service road or between the service road and main carriage way	After the service road	
1.17	Whether carrying of sewage/gas pipe line has been propsoed on highway Bridges. If Yes, the mention the methodology proposed for the same	NO	
1.18	Whether carrying of sewage/gas pipe line has been propsoed on parapet/any part of the bridges. If Yes, the mention the methodology proposed for the same	NO	
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.	NA	
	a) Whether existing drainage structure allowed to carry utility pipeline.	NO	
	b) Is it on a line normal to NH	Yes	
	c) What is the distance of crossing the utility pipelines from the existing structures. Crossings shall not be too near the existing structures on the National Highway, the minimum distance	More than 15.0m	

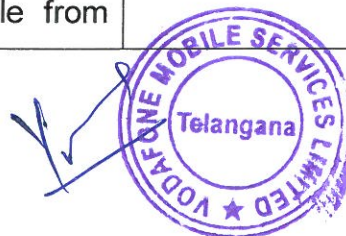


	being 15 meter.		
	d) The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe / cable. Mention type of casing.	NA	
	e) Ends of the casing / conduit pipe / tower foundation 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 toe of slope in the fills.	YES	
	g) The top of the casing/conduit pipe / tower foundation should be at least 1.2 meter below the surface of the road subject to bring atleast 0.3 m below the drain inverts.	YES	
	h) Mention the methodology proposed for crossing of road for the proposed OFC. Crossing shall be by boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Drawing enclosed	
	i) The casing / Conduit pipe shall be installed with an even bearing throughout its length and in such a	NA	

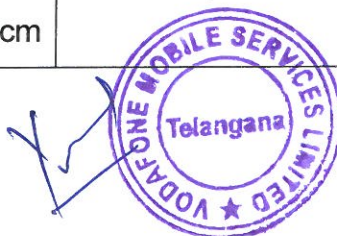
✓



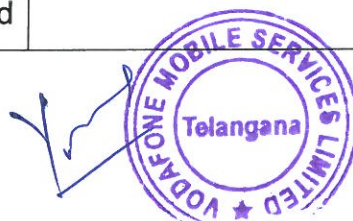
	manner as to prevent the formation of a waterway along it.		
2	Document / drawing enclosed with the proposal	Enclosed	
2.1	<p>Cross section showing the size of the trench for open trenching method.</p> <p>(Is it normal size of 1.6m(min) deepX0.3 wide)</p> <p>i) Should not be greater than 60 cm wider than the outer diameter of the pipe.</p> <p>ii) Located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the centre-line of the nearest carriageway</p> <p>iii) shall not be permitted to run along the National highway when the road formation is situated in double cutting, Nor shall these be laid over the existing culverts and bridges.</p> <p>iv) These should be so laid that their top is atleast 0.6 meter below the ground level so as not to obstruct drainage of the road land.</p>	Drawing enclosed	
2.2	Cross section showing the size of pit and location of pipe line for HDD method.	Drawing Enclosed	
2.3	Strip plan / Route plan showing the OFC. chainage, width of ROW, distance of proposed, cable from	Yes Attached as per the Drawing	



	the edge of ROW, important mile stone, intersections, cross drawings work etc.		
2.4	Methodology for laying of OFC	Laying Methodology Attached (HDD)	
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, methodology of refilling of trench.	NO	
	(a) The trench width should be atleast 30 cm but not more than 60cm wider than the outer diameter of the pipe.	NA	
	(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 replaced by selected material	NA	
	(c) The backfill shall be completed in two stages (1) side-fill to the elvel fo the top of the pipe and (ii) overfill to the bottom of the road crust.	NA	
	d) The side fill shall consist of granular material laid in 15cm	NA	



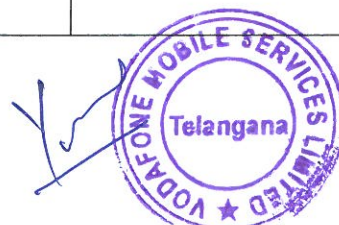
	layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.		
	e) The road crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench	NA	
	f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	NA	
	g) If required, a diversion shall be constructed at the expense of agency owning the utility line	NA	
2.4.2	Horizontal Directional Drilling (HDD) method.	Total 1510mts NH-16 road	
2.4.3	Methodology for laying of OFC through CD works and method of Laying. In cases where the carrying of gas pipe line on the bridge becoems inescapable.	Yes by taking threw bed of cross drainage	
3	Draft License agreement signed by two witnesses.	YES	
3.1	The License fee estimate s per Ministry's guidelines issued vide circular No. RW/NH-33044/29/2015/S&R (R) dated	YES	



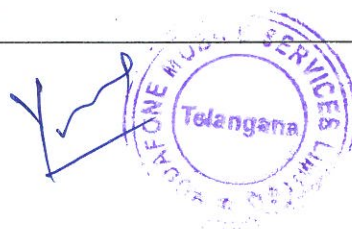
	22.11.2016		
4	Whether Performance Bank Guarnatee as Ministry's guidelines issued vide circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 is obtained.	An undertaking given by the agency towards Performance Bank Guarantee as per extant norms MORTH per each crossing as demanded by NHAI/MORTH.	
4.1	Confirmation of BG has been obtained or not as per MoRTH/NHAI guidelines.	Yes	
5	Affidavit / undertaking from the Applicant for the following is to be furnished	Yes	
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 asked by MoRTH/NHAI.	YES,Enclosed	
5.3	Undertaking for Confirming all standard conditions of Ministry Circulars and NHAI's guideline	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	YES,Enclosed	



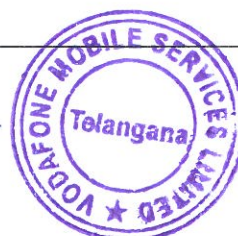
	same has to be paid by the applicant.		
5.7	Undertaking that prior approval of the NHAI shall be obtained before undertaking any work of the installation, shifting or repairs or alterations to the utility located in the National Highway right of ways.	YES,Enclosed	
5.8	Undertaking that expenditure, if 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 organisation. Oil Industry Safety Directorate . State/Central Pollution Control Board and any other statutory clearances applicable. before applying to Highway Administration.	Yes	



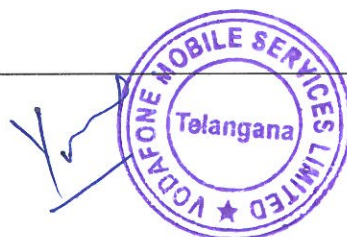
5.11	If the MoRTH/NHAI considers it necessary in future to move the utility line for any work for improvement or repairs to the road it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes	
5.12	Certificate from the applicant in the following format i) Laying of over head electrical line will not have any deleterious effects on any of the bridge components and roadway safety for traffic. ii) for 6 laning "we do undertake that I will relocate services road / approach road / utilities at my own cost not withstanding the permission granted within such time as will be stipulated by NHAI for future six laning or any other development.	Yes, Enclosed	
6	Who will sign the agreement on behalf of Laying of OFC	Vodafone Mobile Services Limited	
	Power of Attorney to sign the agreement is available or not	Yes	
7	The Project Director, will submit the following Certificates.	Yes	
7.1	Certificate for confirming of all standard condition issued vide Ministry Circular No.NH-41 (58)/68	Yes	



	dated 31.01.1969, Ministry Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016.		
7.2	<p>Certificate from PD in the following format</p> <p>(i) " It is certified that any other location of the Water Supply pipe line would be extremely difficult and unreasonable costly and the installation of Water Supply pipe line within ROW will not adversely affect the design, statbility & traffic safety of the highway nor the likely future improvement.</p>	<p>Yes</p> <p>Certificate enclosed.</p>	
	Such as widening of the carriageway, easing of Curve etc".		
	<p>(ii) for 6-lanning</p> <p>(a) Where feasibility is available " I do certify that there will be no hindrance to proposed six-lanning based on the feasibilityreport considering proposed structures at the said location".</p> <p>(b) In case feasibility report is not available " I do certify that sufficient ROW is available at site for accommodation proposed six-laning".</p>	NA	
8.	If NH section proposed to be taken up by NHAI on BOT basis – s cause in para 9 to be inserted in the agreement. "The permitted Highway on which license has been	Enclosed	



	granted as a right to lay cable / duct, has also been granted as a right of the way to be concessional under the concession agreement for up-gradation Kolkata-Chennai section from Km 362/070 to Km 363/550 and 364/580 to 364/620 of NH -16 on build, operate and transfer basis] and therefore, the license shall honor the same".		
9	Who will supervise the work of laying of OFC	Vodafone Mobile Services Limited	
	(a) On behalf of the Applicant	Vodafone Mobile Services Limited	
	(b) On behalf of NHAI	Supervision Consultant	
10	Who will ensure that the defects in road portion after laying of over Head electrical line are corrected and if not corrected then what action will be taken.		
	(a) On behalf of the Applicant	Vodafone Mobile Services Limited	
	(b) On behalf of NHAI	Supervision Consultant	
11	Who will pay the claims for damages done / disruption in working of concessionalre if asked by the concessionalre	Vodafone Mobile Services Limited	
12	A certificate from Project Director that he will enter the proposed permission in the register of records of the permission in the	Yes	



	prescribed proforma (copy enclosed).		
13	If any previous approval is accorded for laying of OFC then photocopy of register of records of permissions accorded as maintained by Project Director may be enclosed.	Yes	

[Name, Designation and signature of
The authorised representative of applicant]

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

J. J. Rao
Project Director,
NHAI, PIU, AMARAVATI

CERTIFICATE

1. Undersigned has examined the proposal of the applicant for laying of Telecom OFC cables/ducts and confirm that the all the standard condtions issued Minstry Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016.
2. It is certified that any other location of utility line would be extremely difficult and unreasonble costly and installation of utility line withi ROW will not adversely affect the design, stability & traffic safety of the highway nor the likely future improvement such s widening of the carriageway, easing of curve etc.
3. I will ensure supervision of the work of laying of utility and ensure that the defects in road portion after laying of utility are corrected.
4. I will notify/forefit the BG for claims for damages done/disruption in working, if any.
5. I will ensure that propsoed permission in entered in the register of records.
6. The record of previous apporval, if any has been considered and copy od same is enclosed with the proposal.



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


Project Director,
NHAI, PIU, AMARAVATI