



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

टेली / Tele : 040 - 29562147 / 48

ई-मेल / E-mail : rohyderabad@nhai.org
nhairohyd@gmail.com



क्षेत्रीय कार्यालय - हैदराबाद

प्रथम तल, नया भवन, भारतीय प्रशासनिक स्टाफ कॉलेज, कॉलेज पार्क कॉम्पस, रोड नंबर-3, बंजारा हिल्स, हैदराबाद-500 034. तेलंगाना

Regional Office - Hyderabad,

First Floor, New Building, Administrative Staff College of India (ASCI), College Park Campus, Road No. 3, Banjara Hills, Hyderabad - 500 034, Telangana.

Notice Inviting Public Comments

NHAI/RO-HYD/25011/3/16/2021/Utility/ 1179

Dt. 17.08.2021

Sub: NHAI - RO Hyderabad - PIU Nirmal-Proposal for laying of Optical Fiber Cable from Km.364/014 to km.364/113, on NH-44 road on (RHS), from km.364/113 to Km.366/679 on NH-44 road on (LHS) by Open trench Methodology and with one crossing at Km.364/113 (HDD Method), on Nagpur to Hyderabad section of NH-44 at Padmajiwadi and Sadhashiv Nagar Villages, Kamareddy District in the State of Telangana- Reg..

Ref: 1. PD, PIU Nirmal Lr.no. NHAI/PIU-NRML/Utility/OFC/2021/759, Dated 01.07.2021

The Project Director, PIU, NHAI, Nirmal vide letter cited above has recommended the proposal submitted by M/s.Vindhya Telcelinks Limited, Secunderabad for laying of Optical Fiber Cables from Km.364/014 to km.364/113, on NH-44 road on (RHS), from km.364/113 to Km.366/679 on NH-44 road on (LHS) by Open trench Methodology and with one crossing at Km.364/113 (HDD Method), on Nagpur to Hyderabad section of NH-44 at Padmajiwadi and Sadhashiv Nagar Villages, Kamareddy District in the State of Telangana.

2. As per para 4 of the Ministry's guidelines no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, public comments is hereby invited on the above proposal seeking claims and objections (on grounds of public inconvenience, safety and general public interest) within 30 days on public portal i.e. website of Ministry of Road Transport and Highways (www.morth.nic.in) in Form-A (copy enclosed) for "Accommodation of Public and Industrial Utility Services along and across National Highways".

Comment Inviting Authority

The Regional Officer,
National Highways Authority of India,
Regional Office: Hyderabad,
First Floor, New Building,
Administrative Staff College of India(ASCI),
College Park Campus, Road No.3,
Banjara Hills, Hyderabad - 500 034,
Telangana State,
Phone: 040-29562147, 040-29562148,
Email: rohyderabad@nhai.org, nhairohyd@gmail.com

Yours faithfully,

Encls: Above Proposal


(G.V. Bheemasena Reddy)
Deputy General Manager (Tech)
For Regional Officer-cum-
Highway Administrator, Hyderabad

To:

1. Senior Technical Director, NIC, Transport Bhawan, New Delhi- 110001 for uploading on Ministry's website.
2. Shri S.Manivasagam, Dy. GM (IT), NHAI HQs, New Delhi for uploading on NHAI website.

Copy to:-The Project Director, NHAI, PIU Nirmal: for information

FORM-A

Form for seeking claims and objections (on grounds of public inconvenience, safety and general public interest) on the application for Accommodation of Public and Industrial Utility Services along and across National Highways

Sub: NHAI - RO Hyderabad - PIU Nirmal-Proposal for laying of Optical Fiber Cable from Km.364/014 to km.364/113, on NH-44 road on (RHS), from km.364/113 to Km.366/679 on NH-44 road on (LHS) by Open trench Methodology and with one crossing at Km.364/113 (HDD Method), on Nagpur to Hyderabad section of NH-44 at Padmajiwadi and Sadhashiv Nagar Villages, Kamareddy District in the State of Telangana-**Reg.**

The claims and objections (on grounds of public inconvenience, safety and general public interest) by the general public needs to be given within 30 days of uploading the online application for comments

Sl. No	Item	Details
1	Name of the person who is desiring to give claims and objections (on grounds of public inconvenience, safety and general public interest)	
2	Address of the person	
3	Details of the application for Accommodation of Public and Industrial Utility Services along and across National Highways against which claims and objections are being given (name of applicant and other details like site address etc.)	
	a) Application No.	
	b) Name of applicant (who applied to Accommodation of Public and Industrial Utility Services along and across National Highways)	
	c) Details of Application	
4	The claims and objections (on grounds of public inconvenience, safety and general public interest)	

CHECK - LIST

Accommodation of Public and Industrial Utility Services along and across National Highways by Private Parties under Industrial Utility.

Relevant Circulars

- Ministry Circular No. RW/NH-33044/29/2015/S&R(R), Dated: 22.11.2016.

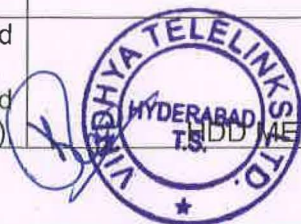
Check list for getting approval for laying of Optical Fibres Cables on NH land

Sl. No.	Item	Information/ Status	Remarks
1	General Information	Permission for laying Optical Fibre Cable across National Highway No-44 at Pamajiwadi and Sadhashiv Nagar villages, Kamareddy District, in the state of Telangana.	
1.1	Name and Address of the Applicant / Agency	M/s. Vindhya Telelinks Ltd, Plot No. 56, Ishaq Colony, Opp. Syndicate Bank, Picket Branch, Wellington Road, Marredpally, Secunderabad-500015, Telangana state.	
1.2	National Highway Number	NH-44	
1.3	State	Telangana	
1.4	Location	Padmajiwadi and Sadhashiv Nagar Villages, Kamareddy District, in the state of Telangana.	
1.5	(Chainage in km)	from Km. 364/014 to 364/113 on NH-44 road on (RHS) and with one crossing at Km. 364/113 (RHS to LHS), and from Km. 366/679 on NH-44 road on (LHS) Nagpur to Hyderabad section	90m 60m 2566m
1.6	Length in Meters	2,725.0Mts	
1.7	Width of available ROW	60 Mts	attached
	(a) Left side from center line towards increasing chainage (km) direction	As Per Drawing attached	
	(b) Right side from center line towards increasing chainage (km) direction	As Per Drawing attached	
1.8	Proposal to lay the Utility Cables		
	(a) Left side from center line towards increasing chainage (km) direction	364/113 to 366/679 Drawing attached	
	(b) Right side from center line towards increasing chainage (Km) direction	364/014 to 364/113 Yes, as Per Drawing attached	
1.9	Proposal to acquire land	NIL	
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.10	Whether proposal is in the same side where land is not to be acquired	YES	
	If not then where to lay the cable	NA	
1.11	Details of already laid services, if any, along the proposed route		By PD
1.12	Number of existing lanes (2/4 / 6/8 lanes).	4 Lanes ✓	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4 / 6/8 lanes).	4 Lanes with divided carriageway	
1.14	Service road existing or not	Yes (L.H.S)	
	If yes then which side		

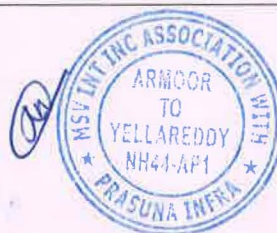
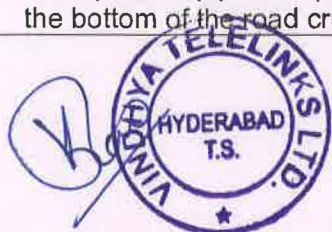
PROJECT DIRECTOR
National Highways Authority of India
P.U., NIRMAL.



	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.15	Proposed Service road	No	
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.16	Whether proposal to lay Cable is after the service road or between the service road and main carriageway	Edge of Row As per drawing	
1.17	Whether carrying of Electrical Poles has been proposed on highway Bridges. If Yes, then mention the methodology proposed for the same	No	
1.18	Whether carrying of Poles has been proposed on the parapet/any part of the bridges. If yes, then mention the methodology proposed for the same.	No	
1.19	If crossings of the road involved If Yes, it shall be either encased in pipes or through structure or conduits built for that purpose at the expenses of the agency owning the line	YES Passing Optical Fibre Cables with <u>HDPE Duct</u>	
	(a) Whether existing drainage structures are allowed to carry utility Poles	No	
	(b) Is it on a line normal to NH	YES from Km. 364/014 to 364/113 on NH-44 road on (RHS) and with one crossing at Km.364/113 (RHS to LHS), and from Km. 364/113 to 366/679 on NH-44 road on (LHS) Nagpur to Hyderabad section	
	(c) What are the distances 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 being 15 meter.	No Structures available	
	(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 shall be sealed from the outside, so that it does not act as a drainage path.	Both the ends of ROW length to be concealed with CC/with appropriate material	
	(f) The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope in the fills.	Both the ends of ROW length to be concealed with CC/with appropriate material	
	(g) The top 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 As per drawings	
	(h) Mention the methodology proposed for crossing of road for proposed Cable. Crossing shall be by boring method (HDD) (Trench-less Technology)	HDD METHOD	



	specially. Where the exiting road pavement is of cement concrete or dense bituminous concrete type.		
	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.	Both the ends of ROW length to be concealed with CC/with appropriate material	
2	Document/ Drawing to be enclosed with the proposal	YES Enclosed	
2.1	Cross section showing the size of trench for open trenching method. (Is 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 outer 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 exiting 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.	As per drawings As per drawings As per drawings As per drawings	(1.65m x 0.5m)
2.2	Cross section showing the size of pit and location of cable for HDD method	As per drawings	HDD
2.3	Strip plan/route Plan showing the Cable line. Chainage. Width of ROW. Distance of proposed OFC cable from the edge of ROW. Important mile stone. Intersections. Cross drainage works etc.	Enclosed	
2.4	Methodology for laying of the utility pipe line.	Attached-en closed	
	(a) The trench width should be at least 30 cm. but not more than 60 cm wider than the outer diameter of the pipe. 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.	Back fill the soil Excavated with Compaction along road by Manual/JCB Across by HDD(Horizontal Directional Drilling) Drawings en closed	
	(b) The back fill shall be completed in two stage (I) side fill to the level of the top of the pipe and (II) overfill to the bottom of the road crust.	NA	



[Signature]
PROJECT DIRECTOR
National Highways Authority of
INDIA

	(c) The side-fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical 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.	NA	
	(d) The road crust shall be built to the same strength as the exiting crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench.	NA	
	(e) The excavation shall be protected by flagman, signs and barricades, to avoid the formation of a dip at the trench.	NA	
	(f) If required, a diversion shall be constructed at the expense of agency owning the utility line	NA	
2.4.2	Horizontal Directional Drilling method	YES ✓	
2.4.3	Methodology for laying of Cable through CD works and method of laying. In cases where the carrying of gas pipe line on the bridge becomes inescapable.	NA	
3	Draft License Agreement is signed by two witnesses	Enclosed	
3.1	The license fee estimated as per Ministry's circular No. RW/NH-33044/29/2015S&R(R) dated 22.11.2016	Enclosed	
4	Whether performance Bank Guarantee as per ministry's Circular no. RW/NH-33044/29/2015S&R(R) dated 22.11.2016 is obtained.	YES	
4.1	Confirmation of BG has been obtained or not as per MoRTH/NHAI guidelines	YES	
5.	Affidavit from the Applicant	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 Undertaking Enclosed ✓	
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 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 ✓	



5.9	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) dated 22.11.2016)	YES Enclosed	
6	Who will sign the agreement on behalf of cable line agency?	Authorized Signatory M/s Vindhya Telelinks Ltd	
	Power of Attorney to sign the agreement is Available or not	Yes Power Attorney attached	
7	The EE/PD, will submit the following Certificated		
7.1	Certificate for confirming of all standard condition issued vide Ministry Circular No. RW/NH-33044/29/2015/S&(R), Dated: 22.11.2016	YES, 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 cable/ducts 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 honor the same.	Standard license deed as per Ministry guidelines of issued vide Letter No. RW/NH-33044/29/2015/S&(R), Dt. 22.11.2016	
9	Who will supervise the Work of laying of Cables. (a) On behalf of the Applicant (b) On behalf of MoRTH/NHAI	Vindhya Telelinks Ltd Engineer Independent Engineer	
10	Who will ensure that the defects in road portion after of laying OFC are corrected and if not corrected then what action will be taken	NH/NHAI / Consultant	
11	(a) On behalf of the Applicant (b) On behalf of NHAI / MORTH Who will pay the claims for damages done/ disruption in working of Concessionaire if asked by the Concessionaire	Vindhya Telelinks Ltd Engineer Independent Engineer	
	On behalf of the Applicant	M/s Vindhya Telelinks Ltd	
12	A certificate from EE/PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed)	Enclosed	
13	If any previous approval is accorded for laying of Electricity Poles then Photocopy of register of records of permissions accorded (as maintained by EE/PD) be enclosed	No	

Name Designation and signature of the authorized representation of applicant *



Name Designation and signature of the concerned field authority of NHAI/PWD

PROJECT DIRECTOR
National Highways Authority of India
PHJ, Mumbai.

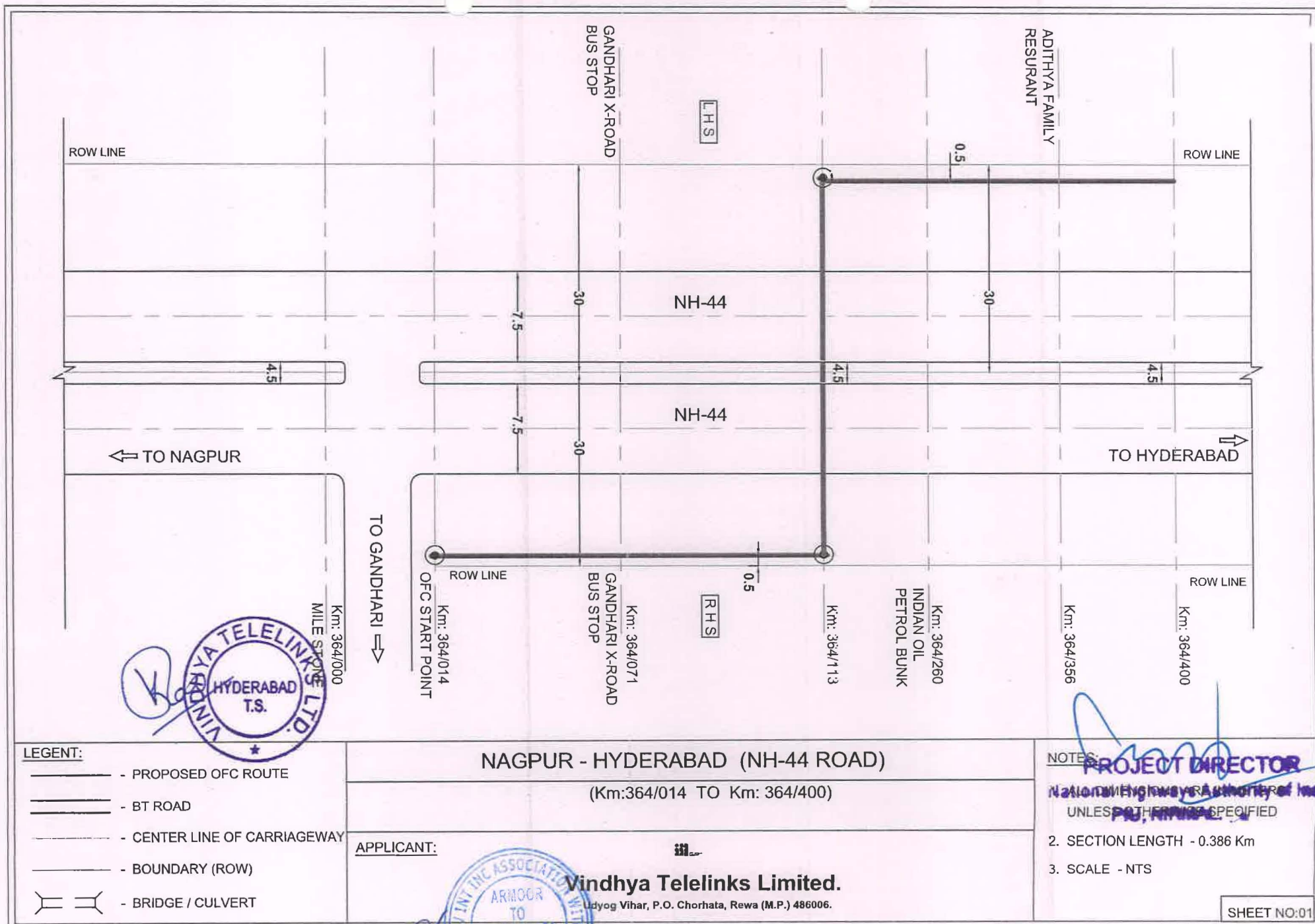
National Highway Authority of India

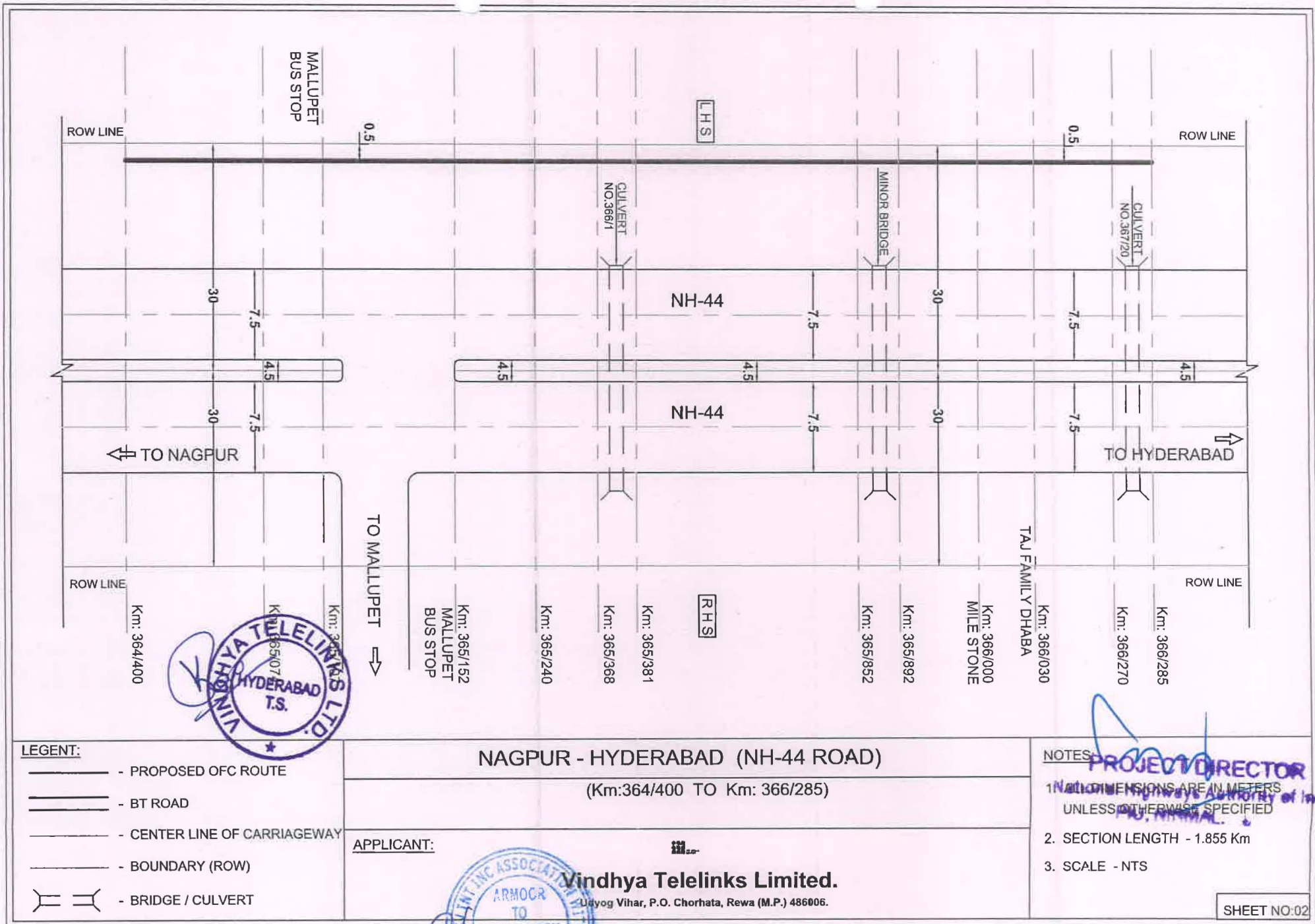
Optical Fibre Cables

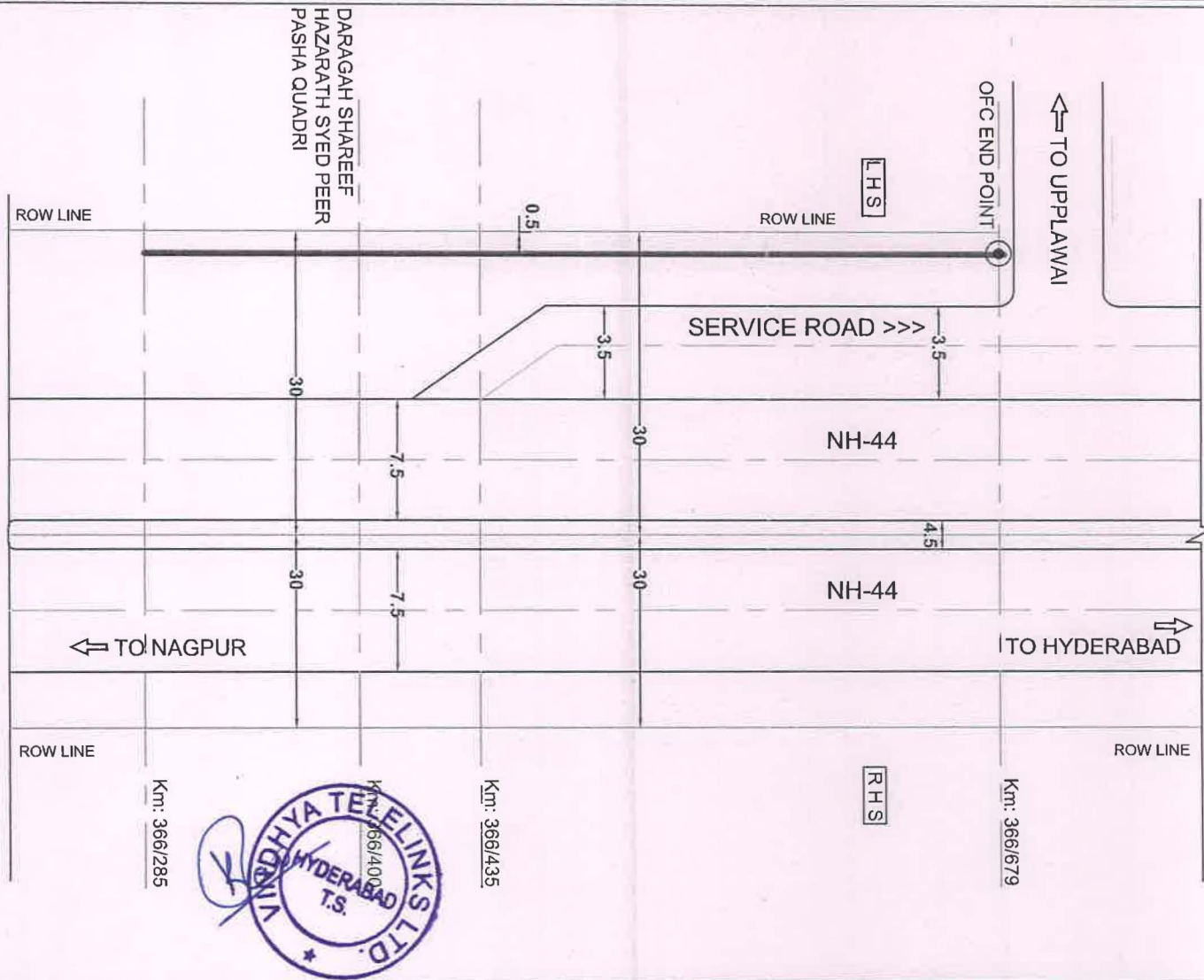
Name of the state : Telangana
 Name of the Agency : PIU-Nirmal
 Name of the Executive Engg : Nirmal
 National Highway No : NH-44

Sl.No	Details of Utility							Date of Last Inspection	Any Deviation from MoRTH standard norms	Remarks if any
	Location (Chainage)	Side (L.H.S/ R.H.S)	Section and react	Kind of Service	Name of the Licensee with contact address	Date of Signing of Agreement	Date of Validity of Agreement			
1	2	3	4	5	6	7	8	9	10	11
1	from Km. 364/014 to 364/113 on NH-44 road on (RHS) and with one crossing at Km.364/113 on (RHS to LHS), and from Km.364/113 to 366/679 on NH-44 road on (LHS) Nagpur to Hyderabad section	RHS/LHS	Nagpur to Hyderabad section, NH-44, Padmajiwadi and Sadashiv Nagar Villages, Kamareddy District	Optical Fiber Cables	M/s.Vindhya Telelinks Ltd, Plot No. 56, Ishaq Colony, Opp. Syndicate Bank, Picket Branch, Wellington Road, Marredpally, Secunderabad - 500015, Telangana state.	-----	-----		Nil	









LEGENT:

- PROPOSED OFC ROUTE
- BT ROAD
- CENTER LINE OF CARRIAGEWAY
- BOUNDARY (ROW)
- BRIDGE / CULVERT

NAGPUR - HYDERABAD (NH-44 ROAD)

(Km:366/285 TO Km: 366/679)

APPLICANT:



Vindhya Telelinks Limited.

Udyog Vihar, P.O. Chorhata, Rewa (M.P.) 486006.

NOTES:

PROJECT DIRECTOR
National Highways Authority of India
UNLESS OTHERWISE SPECIFIED

2. SECTION LENGTH - 0.394 Km

3. SCALE - NTS

SHEET NO:03

Methodology adopted for laying of OFC by Open Trench Method

General:

After through study of the entire stretch of proposed OFC laying, we have proposed to laying of OFC (Optical Fiber Cable) from km.364/014 - 366/679 on NH-44 Nagapur - Hyderabad Section land at Padmajiwadi and Sadhashiv Nagar Villages, Kamareddy District in the State Of Telangana.

An Indicative diagram is enclosed in the annexure for ready reference.

- ❖ We have proposed to lay our OFC at the extreme Edge of ROW according to the availability of space and in case where there is possibility of our cable is laid at 1.65 m depth with HDPE Pipe Protection.
- ❖ All Road crossings will be done by Auguring and HDD method (Trench less technology) without disturbing the Top Road surface.
- ❖ Restoration of trenches: After laying of ducts we will backfill the trench with excavated soil in layers and the trenches will be compacted with roller.

Protection Methodology in case of Culverts

Trench shall be excavated due at the extreme boundary of ROW across waterway to culverts to the depth of 1.65 m below the invert level of the culvert /cannel and DWC pipe will be laid with (RCC full round pipe) concrete encasement for further protection.

Protection methodology in case of culverts / Cannels

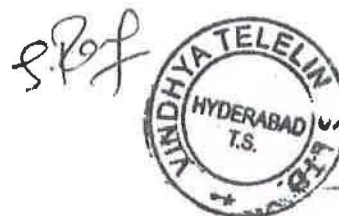
In case of non compliance, we propose to lay OFC cable by HDD in shorter lengths. However, the same shall be discussed with the Executive Engineer, NHAI Division, Nirmal officials on-case to case basis and cable routing shall be decided as per their advice.

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 laying of OFC (Optical Fiber Cable) from km.364/014 - 366/679 on NH-44 Nagapur - Hyderabad Section land at Padmajiwadi and Sadhashiv Nagar Villages, Kamareddy District in the State Of Telangana.

- ❖ An Indicative diagram is enclosed in the annexure for ready reference.
- ❖ In Trench less Technology method of HDD we will excavate Two Pits of site 1.2 mx 0.6mx 1.65 m at the extreme edges of Row boundary R&B Road, horizontally directional drilling method the hole will be drilled of 75mm dia through Machine and then the PLB Pipe HDPE ducts will be Pulled.
- ❖ The Excavated Pits will be backfilled with Excavated material in layers and Compacted.



TOP OF THE ROAD

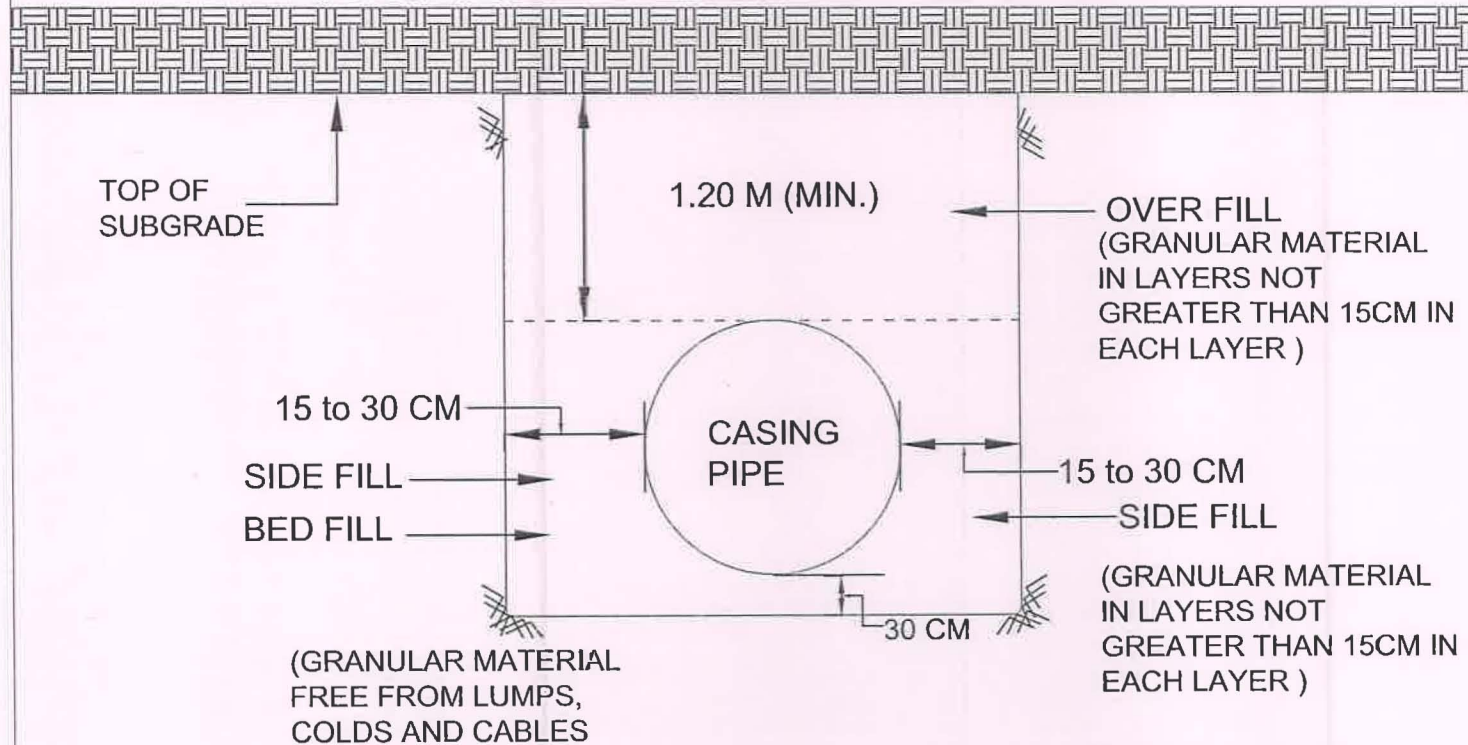
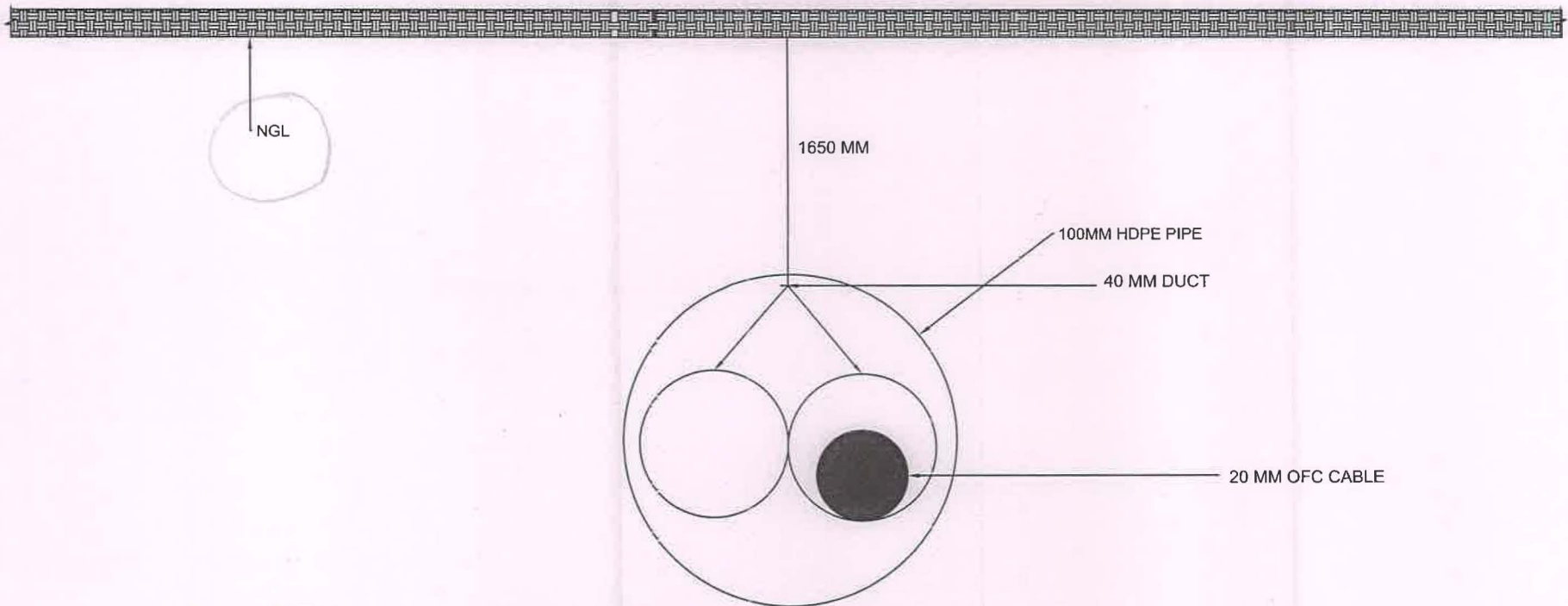


Figure not to scale

**FIGURE-1 INSTALLATION OF CASING PIPE FOR
CROSSING THE ROAD**



**Vindhya Telelinks
Limited.**



TITLE:

FIGURE- INSTALLATION OF HDPE PIPE FOR
CROSSING THE ROAD (HDD METHOD)
PLACE WHERE THE DISTANCE VARIES FROM
THE CARRIAGE LEVEL OF CARRIAGE WAY
IS LESS THAN 15 M

NAGPUR - HYDERABAD (NH-44)

APPLICANT:

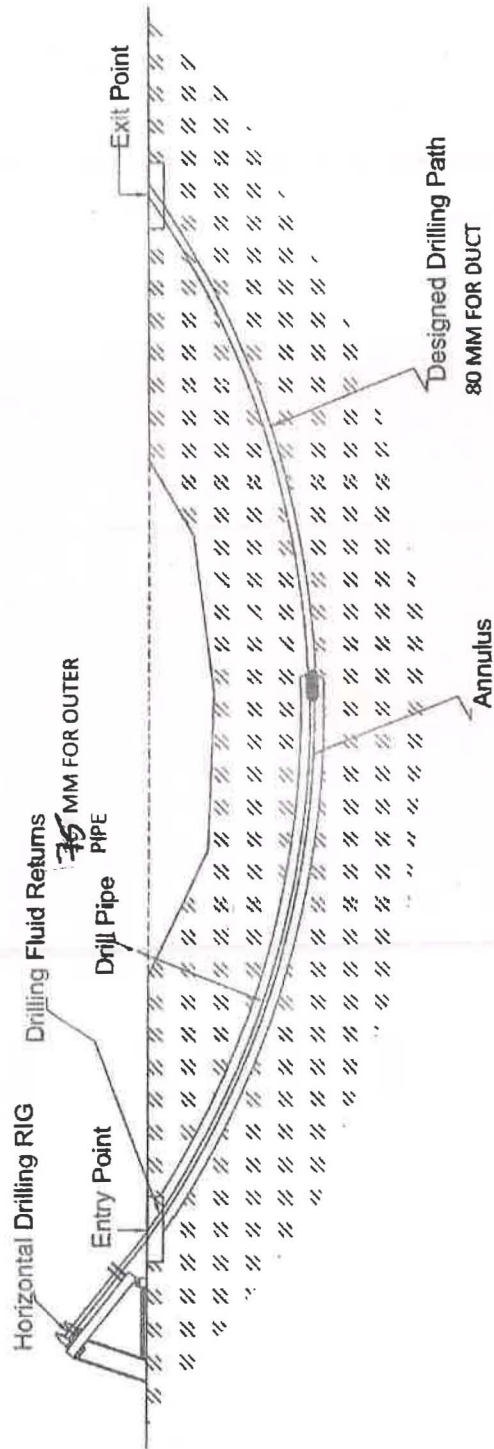


Vindhya Telelinks Limited.

Udyog Vihar, P.O. Chorhata, Rewa (M.P.) 486006.



The HDD Process



TOP OF THE ROAD

TOP OF
SUBGRADE

1.20 M (MIN.)

OVER FILL
(GRANULAR MATERIAL
IN LAYERS NOT
GREATER THAN 15CM IN
EACH LAYER)
HDPE PIPE 40MM DIA

15 to 30 CM

SIDE FILL

BED FILL

15 to 30 CM

SIDE FILL

(GRANULAR MATERIAL
IN LAYERS NOT
GREATER THAN 15CM IN
EACH LAYER)

(GRANULAR MATERIAL
FREE FROM LUMPS,
COWS AND CABLES

30 CM

Figure not to scale

**FIGURE-1 INSTALLATION OF Ducts FOR
CROSSING THE ROAD BY HDD METHOD**



**Vindhya Telelinks
Limited.**



CALCULATION OF AREA & RENT & BANK GUARANTEE

Total Length of the pipe line 2725.0 mts

1. Crossing the Highway

Total Area = $60 \times 0.08 = 4.8$ Sq mts

2. along the Highway

Total Area = $2,665 \times 0.08 = 213.2$ Sq mts or 213.0 Sq mts

Market Value for the villages:-

I. Padmajiwadi is Rs. 150/- Per Sq.yard (or) Rs.179.4/- per sq. Mrts (Enclosed)

Distance 850.0 M, Crossing Distance 60.0M, Total = 910.0M

Area $(910 \times 0.08) = 72.8$ sq.mts

Rent per year = $(72.8 \times 179.4) / (10) = \text{Rs. } 1306.03/-$ Or say = **Rs. 1306/-**

II. Sadhashiv Nagar is Rs. 400/- Per Sq.yard (or) Rs.478.4/- per sq. Mrts (Enclosed),

Distance 1,815.0 M,

Area $(1,815 \times 0.08) = 145.2$ sq.mts

Rent per year = $(145.2 \times 478.4) / (10) = \text{Rs. } 6,946/-$

Total Rent per year =

$(1,306 + 6,946) = \text{Rs. } 8,252/-$

Rent for 5 year = $8,252 \times 5 = \text{Rs. } 41,260/-$

For Public (33%) = $41,260 / 3 = \text{Rs. } 13,750/-$

Performance bank Guarantee:

Rs. 100/- per meter = $2,665 \times 100 = \text{Rs. } 2,66,500/-$

Road Crossing with 364/113 = $1 \times 1,00,000 = \text{Rs. } 1,00,000/-$

Total = Rs. 3,66,500/-

