



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

NATIONAL HIGHWAYS AUTHORITY OF INDIA

(Ministry of Road Transport and Highways, Govt. of India)

क्षेत्रीय कार्यालय \ REGIONAL OFFICE

ई-2/167, अरेरा कॉलोनी, हबीबगंज रेलवे स्टेशन के पास, भोपाल (म.प्र.) 462 016

E-2/167, Arera Colony, Near Habibganj Railway Station, Bhopal (M.P.)-462 016

दूरभाष/Phone : 0755-2426638, फैक्स/Fax : 0755-2426698, ई-मेल/E-mail : robhopal@nhai.org



भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

NHAI/RO-MP/CHHP/OFC/ Chhatipahari to Dauriya /2022/ 45410

Date: 04.01.2022

Invitation of Public Comments

Sub: Permission to lay optical fiber cable on NH-39 (old NH-75) Chhatipahari to Dauriya Village from km 76+300 (P&P Ch. 76.4) to km 97+700 (P&P Ch. 97.8) of Jhansi-Khajuraho section of NH-39 - reg.

Ref: 1.PD, PIU-Chhatarpur letter no. CHHP/26010/10/Jha-Khaju/OFC-Permission-Jio/2021/7595 dated 28.10.2021
2.PIU office letter no. 7558 dated 27.10.2021
3.IE, M/s TPF Zetinsa letter no. 1360 dated 05.10.2021
4.PIU office letter no. 7230 dated 13.09.2021
5.Jio Digital Fiber Pvt. Ltd. letter no. JDFPL/OFC/INTERCITY/M.P./Chhatarpur- Nowgaon/NLC-4D/NHAI/29

The Project Director, PIU-Chhatarpur NHAI vide their letter dated 28.10.2021 has submitted the Permission to lay optical fiber cable on NH-39 (old NH-75) Chhatipahari to Dauriya Village from km 76+300 (P&P Ch. 76.4) to km 97+700 (P&P Ch. 97.8) of Jhansi-Khajuraho section of NH-39.

2. As per Ministry vide OM No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016, the Highways Administrator will make available the proposal seeking permission for utility laying for public comments for **30 days** on ground of public interest.

3. In view of the above the comments of public are invited on captioned proposal (copy of application is enclosed) and the same should reach to below mentioned address till **03.02.2022** beyond which no comments will be considered.

The Highway Administrator
O/o Regional Officer,
National Highways Authority of India
E-2/167, Arera Colony,
Near Rani Kamalapati Railway Station,
Bhopal (MP)-462016
E-mail ID:robhopal@nhai.org

4. This issues with the approval of Highways Administrator Cum Regional Officer, NHAI, Bhopal (MP).

Anand Prasad
(Anand Prasad)
Manager (T)

Copy to:

- Web-Admin, nhai.org@gmail.com, NHAI-HQ for uploading on NHAI website.
- The Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's Website.
- The Project Director, PIU-Jabalpur (MP) for information please.
- M/s Jio Digital Fiber Pvt. Ltd. for information.

SUB: Laying Of Underground Cables along the National Highway

DETAILS REGARDING UNDERGROUND CABLE LAYING.

1. (i) Name of company asking for Permission : **Jio Digital Fibre Pvt. Ltd.**
- (ii) Full Address (Registered) : 101, Saffron, Nr. Centre Point, Panchwati, 5 Rasta, Ambawadi, Ahmedabad-380006, Gujarat
- Corporate Address : 101, Saffron, Nr. Centre Point, Panchwati, 5 Rasta, Ambawadi, Ahmedabad-380006, Gujarat
Tel no – 079-35600100
- (iii) Details & purpose for laying the Cable : Broadband Wireless Access (BWA) & related Data Services
- (iv) Any other details regarding laying
- (a) Distance of proposed site from the centre of the road at the : 1) ^{30m} 22.5-22 mtrs from centre of road along on NH-39 (Old NH-75) Chhatiphadi to Dauraiya Village road from Km/s 76+300 to Km/s 97+700 (Map attached). Total section length ROW applied for 21.4Kms in the state of Madhya Pradesh extreme edge within the road or at extreme edge of Road boundary.
- (b) Whether it is possible to lay the proposed lines or not, reasons : Yes, the proposed cable is to be laid at depth of 1.65 meters, which is far below any existing line.
2. Details regarding road alignment where UG is to be laid along the road :
- (i) Name of Road : **NH-39 (Old NH-75)**
on NH-39 (Old NH-75) Chhatiphadi to Dauraiya Village road from Km/s 76+300 to Km/s 97+700 (Map attached). Total section length ROW applied for 21.4Kms
- (ii) Category of road (to be ascertained) on NH-39 (Old NH-75) Chhatiphadi to Dauraiya Village road from Km/s 76+300 to Km/s 97+700 (Map attached). Total section length ROW applied for 21.4Kms in the state of Madhya Pradesh
- (iii) Width of the road
- (a) Formation width measured : ^{Row 60m} 45 Meters



- from earthen bank
- (b) Black top road carriage-way : Meter each carriage
width width
- (c) Road boundary : 1) Meters
- (d) Location of cable laying along
NH-39 (Old NH-75) NH-39 (Old NH-75) Chhatipadi
to Dauraiya Village road from Km/s 76+300 to
Km/s 97+700 (Map attached). Total section length
ROW applied for 21.4Kms in the state of Madhya
Pradesh the roadside to be mentioned or at
extreme edge of Road boundary

3. Details to be supplied on : 4 sets of proposed route drawings
lay out drawings. are Enclosed.

4. GEOGRAPHICS OF THE CABLE ROUTE

- (a) Dimension of the cable trench : Width 0.45 meter and Depth 1.65 meter
- (b) Dimension of Cable/HDPE/
protection pipe. : 40 mm (outer dia)
- (c) Size of Optical Fibre : Light weight 48F Optical Fibre
Telecom Transmission cable. Cable of Outer dia of 18 mm.
- (e) Right of way : Vested with the NHAI, the proposed
Cable will be laid within the road
Boundary of **NH-39 (Old NH-75)**
5. (i) This is to certify that no Govt. Road land shall be occupied by JDFPL except for the
Purpose of laying of UG cables.
- (ii) This is to certify that the work shall be in accordance with the Govt. Rules and regulations in
force from time to time and binding to JDFPL
- (iii) This is to certify that all required Cost and fees as per rules and regulation of the Govt. will be
deposited timely.

Date : For Jio Digital Fibre Pvt. Ltd.

Place : Authorised Signatory

Encl.: Route marked on Map

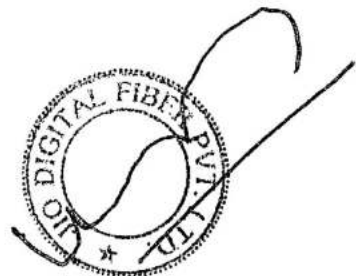


CHECK-LIST

Guidelines for Project Directors for processing the proposal of laying optical fiber cable by private parties in the land along National Highways vested with NHAI.

Relevant circulars

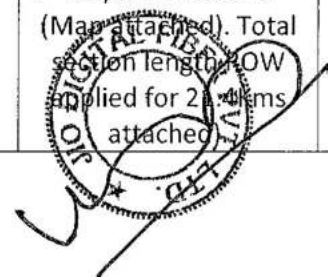
- 1) Ministry Circular No. RW/NH-33044/17/2000-S&R dated 29.09.2000
- 2) NHAI's circular no. NHAI/OEC/2k/Vol II dated 7.11.2000, which includes the comprehensive guideline and draft license agreement for laying of OFC cable by private party in the land along National Highway vested with NHAI.
- 3) Ministry's circular no. RW/NH-333044/27/2000-S&R (R) date 21.03.2006. It is regarding the modification of previous Ministry's circular enhancing the amount of Performance Bank Guarantee @ Rs. 50/- per route meter in place of earlier rate of Rs. 25/- per route meter.
- 4) Ministry's circular no. RW/NH-33044/27/2005-S&R (R) (Pt.) date 06/07.08.2013. It is regarding the modification of previous Ministry's circular enhancing the amount of Performance Bank Guarantee @ Rs. 100/- per route meter in place of earlier rate of Rs. 50/- per route meter.
- 5) Ministry of Road Transport & Highways letter No. 33044 / 29 / 2015 /S&R(R) dated 22.11.2016. It is regarding the modification of previous Ministry's circular enhancing the amount of Performance Bank Guarantee @ Rs. 100/- & additional charges as per utilized NH Land area.



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

S. No.	Item	Information/Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant	Jio Digital Fibre Pvt. Ltd. ; Regd. Office: Corp. Office: 101, Saffron, Nr. Centre Point, Panchwati 5 Rasta, Ambawadi, Ahmedabad-380006, Gujarat Tel:079-35600100	
1.2	National Highway Number	NH-39(Old NH-75)	
1.3	State	Madhya Pradesh	
1.4	Location	MP/UP Border-Nowgaon Road	
1.5	(Chainage in km)	NH-39 (Old NH-75) Chhatipadi to Dauraiya Village road from Km/s 76+300 to Km/s 97+700 and (Map attached). Total section length ROW applied for 21.4Kms	
1.6	Length in Meters	21400 Mtrs.	
1.7	Width of available ROW	Varying from 45 60m	
	(a) Left side from center line towards increasing chainage/km direction	As per Drawings attached	
	(b) Right side from center line towards increasing chainage/km direction	NA	
1.8	Proposal to lay the cable		
	(a) Left side from center line towards increasing chainage/km direction	NH-39 (Old NH-75) Chhatipadi to Dauraiya Village road from Km/s 76+300 to Km/s 97+700 and (Map attached). Total section length ROW applied for 21.4Kms attached	

[Handwritten Signature]



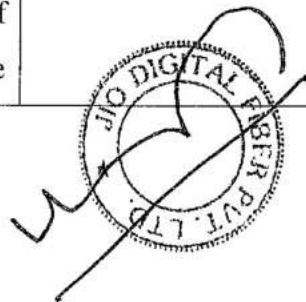
	(b) Right side from center line towards increasing chainage/km direction	NA	
1.9	Proposal to acquire land	No	
	(a) Left side from center line		
	(b) Right side from center line		
1.10	Whether proposal is in the same side where land is not to be acquired	YES	
	If not then where to lay the cable		
1.11	Details of already laid services, if any, along the proposed route	BSNL	
1.12	Number of lanes (2/4 / 6/8 lanes) existing	4 Lanes	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	NA	
1.14	Service road existing or not	Not	
	If yes then which side		
	(a) Left side from center line	NA	
	(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 lay cable is after the service road or between the service road and main carriageway	Extreme Edge of RoW	
1.17	The permission for laying OFC shall be considered for approval/rejection		
	(i) Where the ROW is more than 45 m then the duct cable shall be laid at the edge of right of way within the utility corridor of 2m width, duly keeping in view the future widening.	Yes	
	(ii) where land is yet to be acquired for 4 laning and the position of new carriageway has been decided then the cable shall be laid at the edge of right of way within the	NA	

[Handwritten Signature]



	utility corridor of 2m width, on that side of existing carriageway where extra land is not proposed to be acquired for 4-laning.		
	(iii) Where the widening plan for 4-laning is not yet decided and available ROW is around 30m or less, a judicious decision would need to be taken for permitting the laying of cable/duct. This could be within 1.5m to 2m of utility corridor at the edge of existing ROW, duly keeping in view the possible widening plans.	NA	
	(iv) Where ROW is restricted and adequate only to accommodate the carriageway, central verge, shoulders and drains (e.g. highways in cutting through hilly/rolling terrain), the cable shall be laid clear of the drain.	NA	
	(v) Where land strip for utility corridor cannot be conveniently earmarked (available ROW restricted to the toe of the embankment) for laying of cable/ducts, the permission may be refused.	NA	
1.18	No. of applicants on the same stretch	01	
1.19	Whether the case of multiple licenses	Single	
1.20	If so furnish a joint implementation programmer to lay their respective ducts within stipulated time frame.	NA	
1.21	If crossings of the road involved If Yes it shall only be through trench-less technology	No Road Crossing	
2.	Document/Drawings enclosed with the proposal	YES	
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) Should not be greater than 1.2m in width in multiple ducts.	Yes Standard Size	
2.2	Cross section showing the size of pit and location of cable for HDD method	Drawing Attached	
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	Yes Attached	

Signature



	works etc.		
2.4	Methodology for laying of OFC	OT & HDD	
2.4.1	Open trenching method. If yes, Methodology of refilling of trench	Yes, refilling by excavated material	
2.4.2	Horizontal Directional Drilling (HDD) Method	Only for crossing	
2.4.3	Laying OFC Through CD Works And Method Of Laying (Whether to be hung outside parapet)	Yes	
3.	Draft license Agreement signed by two witnesses	Yes	
4.	Performance Bank Guarantee	As required	
4.2	Confirmation of BG has been obtained as per NHAI guidelines	BG shall be submitted as per MoRTH Guidelines	
5	Affidavit/ Undertaking from the Applicant for		
5.1	Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	Yes ; Covered in Agreement	
5.2	Renewal of Bank Guarantee	Yes ; Covered in Agreement	
5.3	Confirming all standard condition of NHAI's guideline	Yes ; Covered in Agreement	
5.4	Shifting of OFC as and when required by NHAI	Yes ; Covered in Agreement	
5.5	Shifting due to 6 lanning / widening of NH	Yes ; Covered in Agreement	
5.6	Indemnity against all damages and claims clause (xxiv)	Yes ; Covered in Agreement	
5.7	Traffic movement during laying of OFC to be managed by the applicant	Yes ; Covered in Agreement	
5.8	If any claim is raised by the Concessionaries then the same has to be paid by the applicant	Yes ; Covered in Agreement	
5.9	Certificate for 6-lanning from the applicant in following format" We do undertake that I will relocate service road/approach road/utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI" for future six-lanning or any other development."	Yes ; Covered in Undertaking	




6.	Power of Attorney in favor of authorized signatory	Yes ; Enclosed	
7.	Copy of DOT license	Yes ; Enclosed	
8.	Certificate from the Project Director	From NHAI, PIU- Chhatarpur	
8.1	Certificate for confirming of all standard condition issued vide Ministry Circular No. RW/NH-33044/17/2000-S&R dated 29.9.2000 and NHAI's guidelines issued vide No. NHAI/OEC/2k/Vol II dated 7.11.2000 and Ministry's Circular No. RW/NH-33044/27/2000-S&R dated 21.3.2006. Ministry's circular No. RW/NH-33044/27/2005-S&R (R) (Pt.) date 06/07.08.2013 & Ministry of Road Transport & Highways letter No. 33044 / 29 / 2015 /S&R(R) dated 22.11.2016.		
8.2	Certificate for 4-lanning from PD in the following format.	NA	
	(a) Where feasibility is available "I do certify that there will be no hindrance to proposed six-laning based on the feasibility report considering proposed structures at the said location. (b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-laning".	MP/UP Border- Nowgaon Road	
9.	The agreement fee of Rs. 1 shall be charged	Yes	
10.	If NH section proposed to be taken up by NHAI on BOT basis - a clause in para 17 to be inserted in the agreement. <i>"The permitted Highway on which Licensee has been granted the right to lay cable/duct has also been granted as a right of way to the concessionaire under the concession agreement for up=gradation of [..... section from Km ----- to km ----- of NMH No.- ----- on Build, Operate and Transfer Basis] and therefore, the licensee shall honour the same."</i>		
11.	Who will supervise the work of laying of OFC	NHAI DIGITAL PIU-Chhatarpur	




12.	Who will ensure that the defects in road portion after laying of OFC are corrected and if not corrected then what action will be taken.		
13.	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire?	JDFPL	
14.	A Certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed Performa (copy enclosed) issued vide Ministry Circular No. RW/NH/33044/17/2000/S&R dated 23.7.2003. Ministry's circular No. RW/NH-33044/27/2005-S&R (R) (Pt.) date 06/07.08.2013 & Ministry of Road Transport & Highways letter No. 33044 / 29 / 2015 /S&R(R) dated 22.11.2016.	Yes	
15.	If any previous approval is accorded for laying of cable then Photocopy of register of records of permissions accorded as maintained by PD Ministry of Road Transport & Highways letter No. 33044 / 29 / 2015 /S&R(R) dated 22.11.2016. as referred in para 13 above is enclosed or not.	NA	





Annexure-II

[Enclosure to Ministry of Road Transport & Highways letter No. 33044 / 29 / 2015 /S&R(R) dated 22.11.2016...]

Format for Maintaining Records of Right-of-Way permission granted for laying OFC

(To be maintained separately for every NH and State)

1. Name of State : Madhya Pradesh
2. Name of Agency (MoRTH) : NHAI
3. NH Number : NH-39(Old NH-75)

S.No.	Location (change in Km)	Left or right side of NH (towards increasing chainage/km direction)	Section and reach	Kind of service	Name of license and contact address	Date of signing of agreement	Date of validity of agreement	Date of last inspection of site	Any deviation from MOST standard norms	Remarks
1	NH-39 (Old NH-75) Chhatipadi to Dauraiya Village road from Km/s 76+300 to Km/s 97+700 and (Map attached). Total section length ROW applied for 21.4Kms	LHS	MP/UP Border to Nowgaon Road	Telecom	101, Saffron, Nr. Centre Point, Panchwati 5 Rasta, Ambawadi, Ahmedabad- 380006, Gujarat Tel:079- 35600100				No	



Methodology of Laying of OFC - Open Trenching & Trenchless (HDD)

Trenching Method:

Laying of Optical Fiber Cable along NH-39(Old NH-75) along the mentioned route will be done by conventional method/manual and Machine Trenching method. The dimension of the trench will be 165 cms in depth and 45 cms in width. The Cable laying work will be carried out in phased manner in such a way that after the HDPE / Protection ducts are laid for Optical Fiber Cable, the trench will be reinstated to its original surface.

Trench Filling Method:

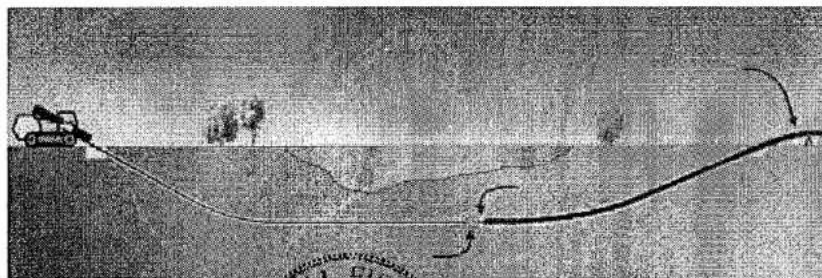
As a measure of abundant precaution against future settlement and other allied problems, only selected granular material will be used in filling reinstatement of trenches. The entire depth of cutting will be filled either with coarse sand or the excavated material, compacted in layers not exceeding 75 mm when compacted by ordinary power roller /plate compacter. Special Compaction equipment like plate compacter, frog hammer will be utilised besides ordinary power roller.

Trenchless Crossing: HDD Method

Horizontal Directional Drilling (HDD) is a technique for installing product pipes, including utility lines, below ground using a surface-mounted drill rig that launches and places a drill string at a shallow angle to the surface and has tracking and steering capabilities. In recent years HDD has been the preferred methodology due to several government policies conducive to infrastructure growth.

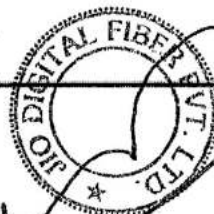
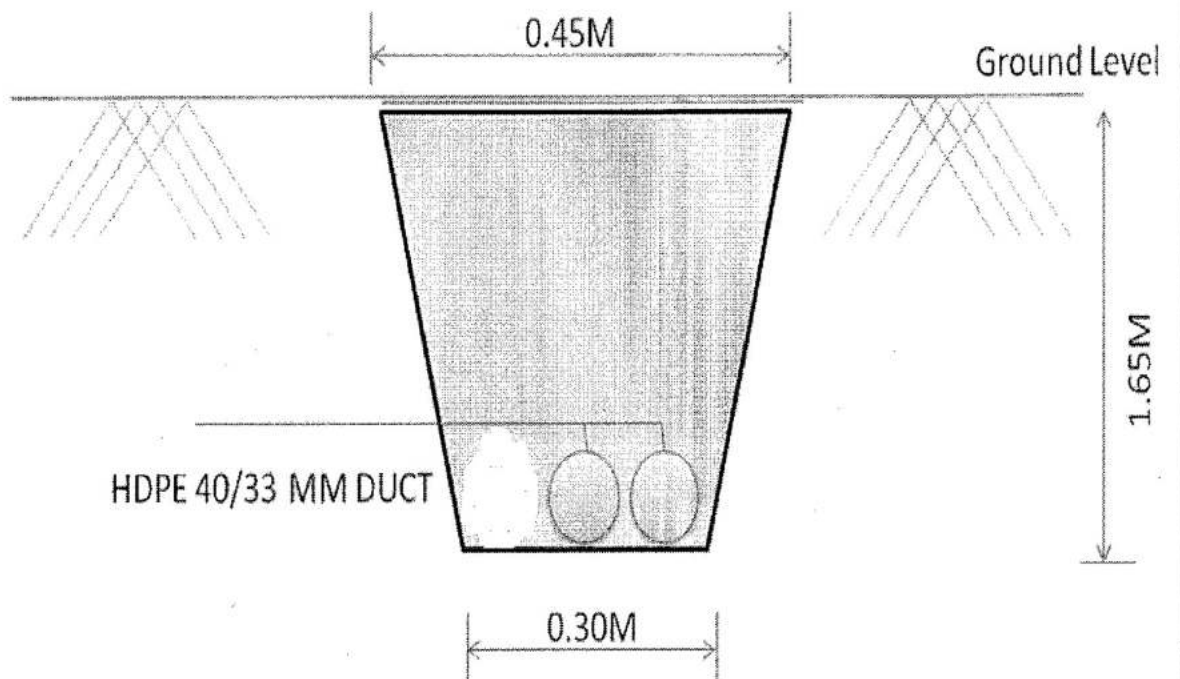
All crossing on the Route will be done by Horizontal Directional Drilling method without disturbing the road surface.

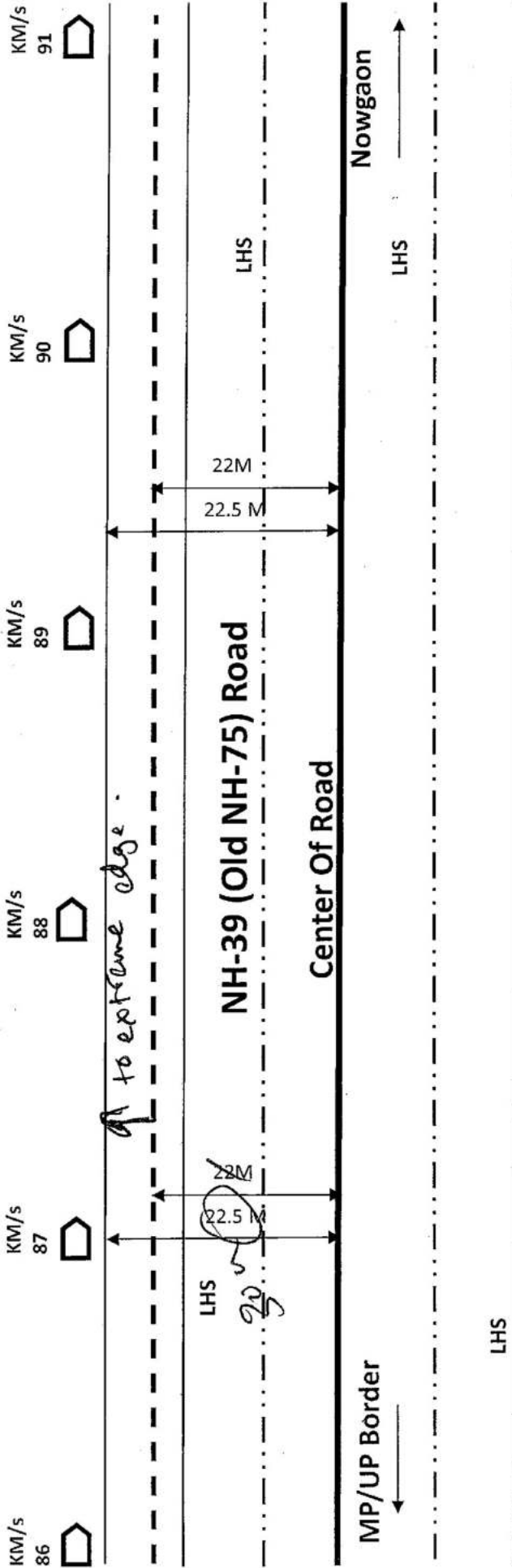
A Typical HDD Methodology is shown below:




ANNEXURE NO-7

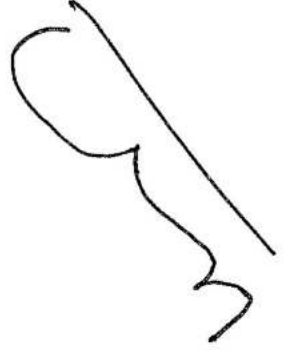
TYPICAL CROSS SECTION OF TRENCHING FOR OFC LAYING





Name of Route	Chhatarpur-Nowgaon NLD Route
	Jio Digital Fibre Pvt. Ltd.
Proposed Route	-----
Ch: KM 86 to KM 91 Along LHS NH-39 (Old NH-75) Road	

We shall make our own arrangement for crossing of cross-drainage structure, rivers, etc, below the bed. In case, this is not feasible; the cables/ducts may be carried outside the railing/parapets and supported on brackets fixed to the outside of the bridge superstructure.

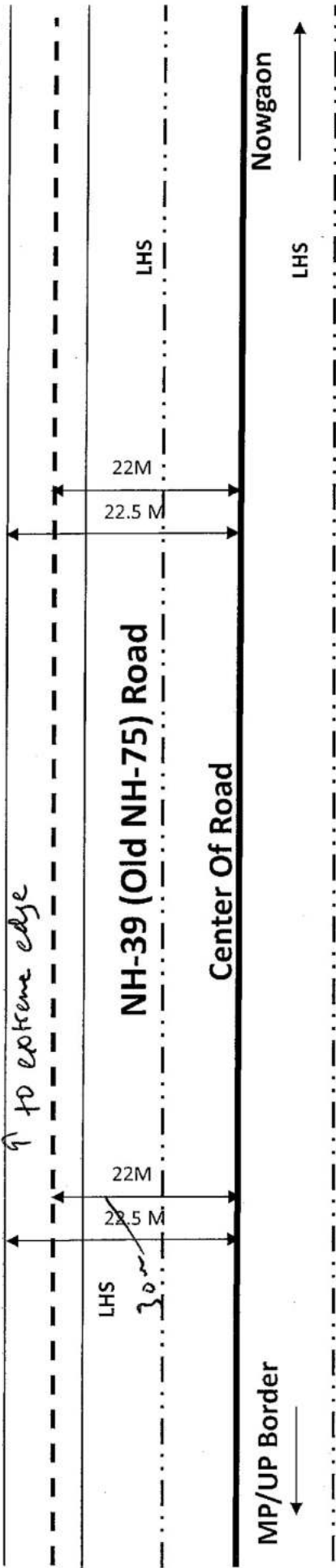


KM/s
96

KM/s
97

KM/s
97+700

↑ to extreme edge



LHS

Dauriya Village

Name of Route	Chhatarpur-Nowgaon NLD Route
	Jio Digital Fibre Pvt. Ltd.
Proposed Route	-----
Ch: KM 96 to KM 97+700 Along LHS NH-39 (Old NH-75) Road	

We shall make our own arrangement for crossing of cross-drainage structure, rivers, etc, below the bed. In case, this is not feasible; the cables/ducts may be carried outside the railing/parapets and supported on brackets fixed to the outside of the bridge superstructure.

