



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सडक परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

(Ministry of Road, Transport & Highway)

परियोजना कार्यान्वयन, इकाई, सोलापूर (महाराष्ट्र)

Project Implementation Unit, Solapur (Maharashtra)

कार्यालय/Office :

प्लॉट नं. ई-२, जय जलाराम नगर, शिवदारे कॉलेजच्या मागे,

जुळे सोलापूर, सोलापूर - ४१३००४ (महाराष्ट्र)

Plot No. E- 2, Jai Jalaram Nagar, Behind Shivdare College,

Jule Solapur, Solapur - 413 004. Tel/Fax - 0217 2303379

ई-मेल/Email : solapur@nhai.org; piusolapur@gmail.com

No.: NHAI/PIU/SLP/SY/US/OFC/16022/20/ 4591

Date: 01/01/2020.

01/01/2021

INVITATION OF PUBLIC COMMENTS

Sub.: - Four laning of Solapur to Yedshi Section of NH-211 from Km. 0/000 to 100/000 (Design Length - 98.717 Km.) in the State of Maharashtra to be executed as BOT (Toll) on DBFOT Pattern under NHDP Phase - IVB - Submission of proposal for permission for laying optical fiber cable along NH-52 from Km.58/500 to Km.60/300 RHS & Km.60/300 to Km.62/300 LHS for a total length of 03.800 Kms. and road crossing at Km.60/300 in the State of Maharashtra.

Sir,

1. The Authorized Signatory, Jio Digital Fiber Pvt. Ltd., has proposed permission for laying optical fiber cable along NH-52 from Km.58/500 to Km.60/300 RHS & Km.60/300 to Km.62/300 LHS for a total length of 03.800 Kms. and road crossing at Km.60/300 in the State of Maharashtra.
2. As per the guidelines, issued by the Ministry vide OM No. RW /NH-33044/29/2015/ S&R(R) dated 22.11.2016, the application shall be put out in the public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest).
3. In view of the above, comments of the public on the above application is invited to the below mentioned address, which should reach by this office within 30 days from the date of publication beyond which no comments shall be entertained.

The Project Director
 National Highways Authority of India
 Project Implementation Unit, Solapur
 Plot No. E-2, Jalaram Nagar,
 Solapur, Maharashtra,
 Pin - 413004

Thanking you,

भवदीय,

परियोजना निदेशक

भा.रा.रा.प्रा. प.का.ई, सोलापूर

Copy to:-

- i. CGM (Tech) RO Mumbai for information please,
- ii. Authorized Signatory, Jio Digital Fibre Private Limited, 3rd Floor, Maker Chamber IV, 222 Nariman Point, Mumbai - 400 021 - for information.
- iii. M/s. SAICPL-DCSPL, Solapur - for information.
- iv. M/s. SYTL, Osmanabad for information.
- v. Master file.

D:\Solapur-Yedshi All Files\OFC\SY-IV OFC Cable-16022.doc



BHARATMALA
ROAD TO PROSPERITY

Head Office : No. G 5 & 6, Sector 10, Dwarka, New Delhi-110 075

Tel. No.: 011-2507 4100 / 2507 4200 Fax No. : 011-2509 3507 / 2509 3514. Web Site : <http://www.nhai.org>

CHECK-LIST

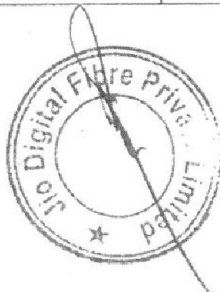
Guidelines for Project Directors for processing the proposal of laying optical fiber cable by private parties in the land along National Highways vested with NHAI.

Relevant circulars

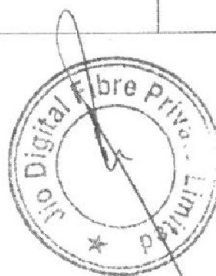
- 1) Ministry's circular No. RW/NH-33044/29/2015/S&R(R) (Pt.) date 22.11.2016.

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

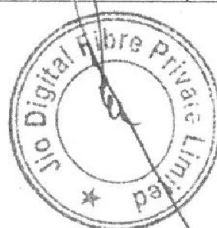
S. No.	Item	Information/Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant	Jio Digital Fiber Private Limited Regd. Office: 101 Saffron Nr. Centre Point Panchwati 5 Rasta, Ambawadi, Ahmedabad – 3800006 Gujrat India Corp. Office: 3 rd Floor Maker Chambers IV, Nariman Point, Mumbai 400021. Tel:022-22785500; Fax: 022-22785560	
1.2	National Highway Number	NH-352	
1.3	State	Maharashtra	
1.4	Location	NH 52 from Km 58/500 to Km 60/300 RHS & 60/300 to 62/300 LHS Side for the total length of 03.800 Km and Road crossing at Km 60/300	
1.5	(Chain age in km)	NH 52 from Km 58/500 to Km 60/300 RHS & 60/300 to 62/300 LHS Side for the total length	



		of 03.800 Km and Road crossing at Km 60/300	
1.6	Length in Meters	3800 mtrs	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing chain age/km direction	As per Drawings attached on Page no.	
	(b) Right side from center line towards increasing chain age/km direction	As per Drawings attached on Page no.	
1.8	Proposal to lay the cable		
	(a) Left side from center line towards increasing chain age/km direction	As per Drawings attached on Page no.	
	(b) Right side from center line towards increasing chain age/km direction	As per Drawings attached on Page no.	
1.9	Proposal to acquire land	NA	
	(a) Left side form center line		
	(b) Right side from center line		
1.10	Whether proposal is in the same side where land is not to be acquired	As per Drawings attached on Page no.	
	If not then where to lay the cable		
1.11	Details of already laid services, if any, along the proposed route	As per Drawings attached on Page no.	
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)	4 lanes	



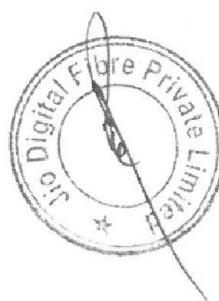
1.14	Service road existing or not		
	If yes then which side		
	(a) Left side from center line		
	(b) Right side from center line		
1.15	Proposed Service Road	On Both side of Road	
	(a) Left side from center Line		
	(b) Right side from center line		
1.16	Whether proposal to lay cable is after the service road or between the service road and main carriageway	Beyond service road or in utility corridor	
1.17	The permission for laying OFC shall be considered for approval/rejection	Considered for approval	
	(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.	At the edge of ROW within utility corridor of 2Mtrs width	
	(ii) where land is yet to be acquired for 4 lining and the position of new carriageway has been decided then the cable shall be laid at the edge of right of way within the utility corridor of 2m width, on that side of existing carriageway where extra land is not proposed to be acquired for 4-laning.	NA	
	(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	



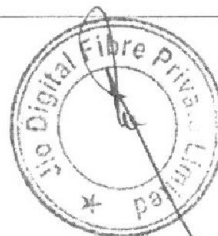
	(iv) Where ROW is restricted and adequate only to accommodate the carriageway, central verge, shoulders and drains (e.g. highways in cutting through hilly/rolling terrain), the cable shall be laid clear of the drain.	NA	
	(v) Where land strip for utility corridor cannot be conveniently earmarked (available 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		
1.19	Whether the case of multiple licenses	No	
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	If Yes, HDD Method	
2.	Document/Drawings enclosed with the proposal		
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 1.65m deep x 0.5m wide	
2.2	Cross section showing the size of pit and location of cable for HDD method	Yes Attached on Page No.	
2.3	Strip plan/Route Plan showing the OFC, Chain age, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Yes Attached on Page no.	
2.4	Methodology for laying of OFC	Yes Attached on Page no.	



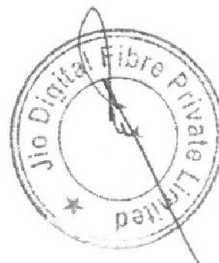
2.4.1	Open trenching method. If yes, Methodology of refilling of trench	Refilling of available Material	
2.4.2	Horizontal Directional Drilling (HDD) Method	Only For Road Crossing	
2.4.3	Laying OFC Through CD Works And Method Of Laying (Whether to be hung outside parapet)	NA	
3.	Draft license Agreement signed by two witnesses		
4.	Performance Bank Guarantee	Shall be submitted as soon as permission obtain/Informed by NHAI	
4.2	Confirmation of BG has been obtained as per NHAI guidelines	Shall be obtained after approval	
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 ; Enclosed on Page No	
5.2	Renewal of Bank Guarantee	Yes ; Enclosed Page No	
5.3	Confirming all standard condition of NHAI's guideline	Yes ; Enclosed Page No	
5.4	Shifting of OFC as and when required by NHAI	Yes ; Enclosed Page No	
5.5	Shifting due to 6 lining / widening of NH	Yes ; Enclosed Page No	
5.6	Indemnity against all damages and claims clause (xxiv)	Yes ; Enclosed Page No	
5.7	Traffic movement during laying of OFC to be managed by the applicant	Yes ; Traffic movement will be managed by the applicant , Page No	
5.8	If any claim is raised by the Concessionaries then the same has to be paid by the applicant	Yes ; Enclosed Page No	



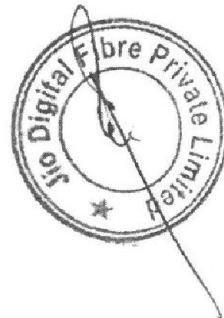
5.9	Prior approval of NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing OFC line located in the National Highway right-of-ways.	Yes ; Enclosed Page No	
5.10	Expenditure, if any incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the OFC cable will be borne by the agency owning the line.	Yes ; Enclosed Page No	
5.11	If NHAI considers it necessary in future to move the OFC for any work of improvement or repairs to the road, it will be carried out as desired by NHAI at the cost of the agency owning the OFC within reasonable time (Not exceeding 60 days) of the intimation given.	Yes ; Enclosed Page No	
5.12	Certificate from the applicant in the following format 1) Laying of OFC line will not have any deleterious effects on any of bridge components & roadway safety for traffic. 2) For 6-lanning,"we do undertake that we will relocate service road/approach road/utilities at our own cost notwithstanding the permission granted within such time as well as stipulated by NHAI", for future 6-lanning or any other development.	Yes ; Enclosed Page No	
8.2	Certificate for 6-lanning from PD in the following format.	Yes attached on page	
	(a) Where feasibility is available "I do certify that there will be no hindrance to proposed six-lining based on the feasibility report considering proposed structures at the said	NH 52 from Km 58/500 to Km 60/300 RHS & 60/300 to 62/300 LHS Side for the total length	



	location. (b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-lining".	of 03.800 Km and Road crossing at Km 60/300	
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 [Tuljapur -Osmanabad - Yedshi] section from NH 52 from Km 58/500 to Km 60/300 RHS & 60/300 to 62/300 LHS Side for the total length of 03.800 Km and Road crossing at Km 60/300 of NH No.- 52 on Build, Operate and Transfer Basis] and therefore, the licensee shall honor the same."</i>	Yes ; Enclosed Page No	
11.	Who will supervise the work of laying of OFC	RJIL Pune	
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.	RJIL Pune	
13.	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire.	RJIL Pune	
14.	A Certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed preform (copy enclosed) issued vide Ministry Circular No. RW/NH-33044/29/2015/S&R(R) (Pt.) date 22.11.2016	Yes ; Enclosed on Page no	



15.	If any previous approval is accorded for laying of cable then Photocopy of register of records of permissions accorded as maintained by PD (as per Ministry Circular No. RW/NH-33044/29/2015/S&R(R) (Pt.) date 22.11.2016) as referred in Para 13 above is enclosed or not.	No	
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Annexure-II

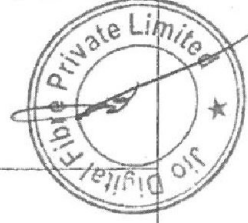
[Enclosure to Ministry Circular No. RWNH-33044/29/2015/S&R(R) (Pt.) date 22.11.2016]

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

(to be maintained separately for every NH and State)

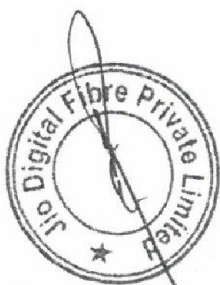
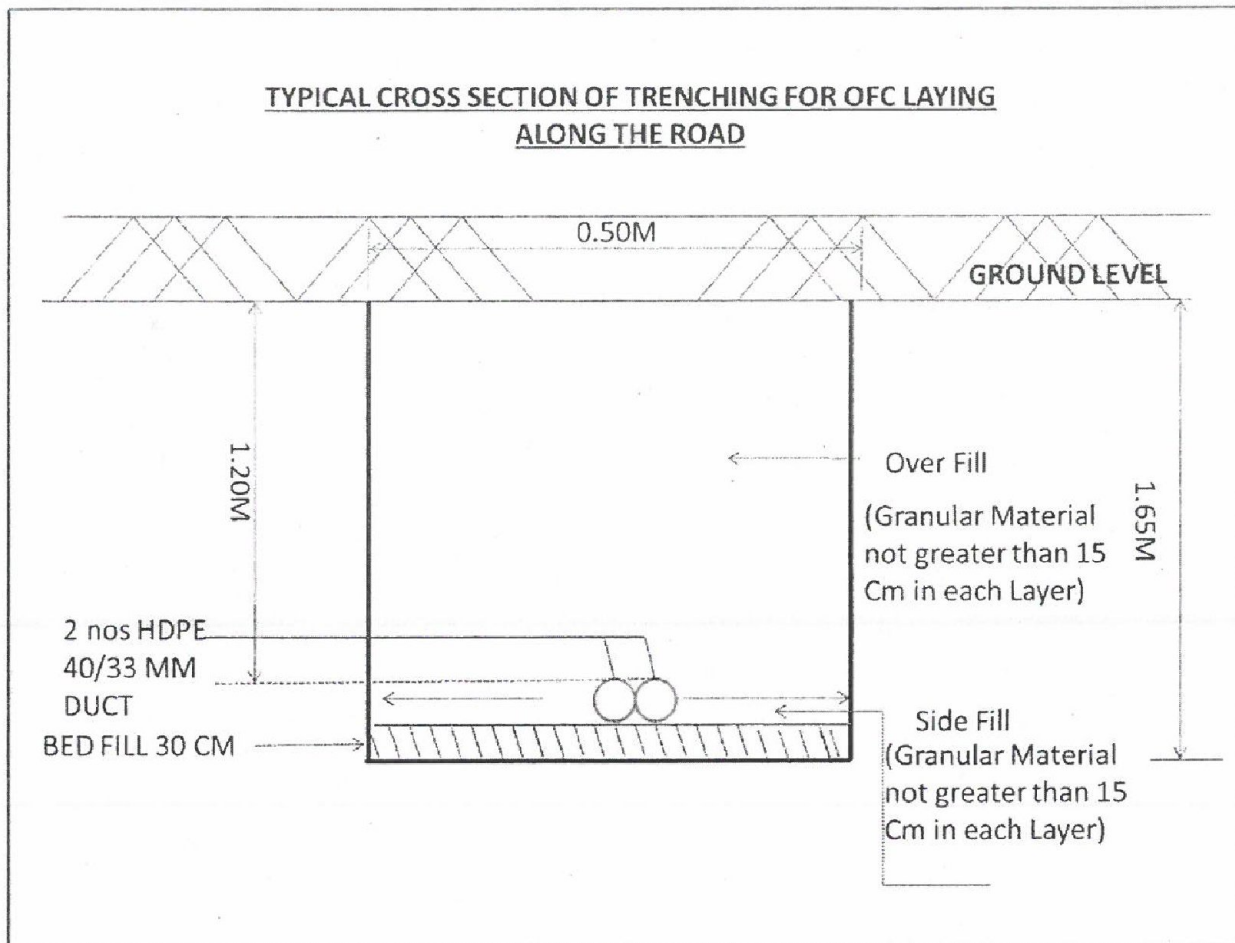
1. Name of State : Maharashtra
2. Name of Agency (NHAI) : NHAI
3. NH Number : NH- 52

S. No.	Location (change in Km)	Left or right side of NH (towards increasing chain age/km direction)	Section and reach	Kin d of ser vices	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 52 from Km 58/500 to Km 60/300 RHS & 60/300 to 62/300 LHS Side for the total length of 03.800 Km and Road crossing at Km 60/300 of the road of increasing)	LHS/RHS	NH 52 from Km 58/500 to Km 60/300 RHS & 60/300 to 62/300 LHS Side for the total length of 03.800 Km and Road crossing at Km 60/300 of the road of increasing)	Tel eco m	Jio Digital Fiber Private Limited Regd. Office: 101 Saffron Nr. Centre Point Panchwati 5 Rasta, Ambawadi, Ahmedabad - 3800006 Gujrat India Corp. Office: 3 rd Floor Maker Chambers IV, Nariman Point, Mumbai 400021. Tel:022-22785500; Fax: 022-22785560				No	



ANNEXURE NO-20

TYPICAL CROSS SECTION OF TRENCHING FOR OFC LAYING
ALONG THE ROAD



Annexure 21

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

Trenching Method :

Laying of Optical Fiber Cable along NH8 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:

