



# 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 रेल्वे स्टेशन के पास, भोपाल (म.प्र.) 462016

E-2/167, Arera Colony, Near Habibganj Railway Station, Bhopal (M.P.) 462016

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

NHA/RO-MP/CHW/OFC/NH-547/2020/39803

Date: 24.07.2020



भारतमाला  
प्रगति के पथ पर अग्रसर  
**BHARATMALA**  
ROAD TO PROSPERITY

## Invitation of Public Comments

**Sub:** Permission to lay optical fibre cable on NH-547 Saoner-Sausar Road from Km. 0.000 to Km. 20.000 Total sanction length ROW applied for 20 Kms-Reg.

**Ref:** (i) PD, PIU-Chhindwara letter no. 2551 dated 22.06.2020.  
(ii) PD, PIU-Chhindwara letter no. 2001 dated 29.02.2020.

The Project Director, PIU-Chhindwara NHA vide their letter dated 22.06.2020 & 29.02.2020 has submitted the proposal for **Permission to lay optical fibre cable on NH-547 Saoner-Sausar Road from Km. 0.000 to Km. 20.000 Total sanction length ROW applied for 20 Kms** as received from M/s Telesonic Network Ltd. Indore (MP).

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 **18.06.2020** 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 Habibganj Railway Station,  
Bhopal (MP)-462016  
E-mail ID:robhopal@nhai.org

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

*Avneet Siddharth*  
24/07  
(Avneet Siddharth)  
Dy. Manager (T)

### Copy to:

- (i) Web-Admin, [nhai.org@gmail.com](mailto:nhai.org@gmail.com), NHA-HQ for uploading on NHA website.
- (ii) The Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's Website.
- (iii) The Project Director, PIU-Chhindwara (MP) for information please.
- (iv) M/s Telesonic Network Ltd. 3<sup>rd</sup> Floor, Metro Towers, Near Vijay Nagar, Square Scheme no. 54, Indore (MP)-452010, Ph. (0731)-4222555 for information.

**TrackingID : ATS793**

**Application Date : 18/11/2019**

**Clearance Category**

Utility

**Clearance Application Type**

Optical fiber installation on NH

**State**

Madhya Pradesh

**NH No**

547

**Stretch**

00.00

**Chainage**

20.00

**Side**

Left

**Location**

Savner-Sausar road

**Name Of Highway Authority**

NHA1

**Latitude From**

**Degree**

21

**Minutes**

23

**Seconds**

8.57

**Latitude To\***

**Degree**

21

**Minutes**

32

**Seconds**

49.35

**Longitude From**

**Degree**

78

**Minutes**

55

**Seconds**

19.25

**Longitude To**

**Degree**

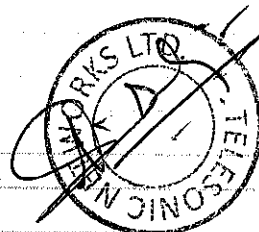
78

**Minutes**

49

**Seconds**

28.34



## Details of Owner of the Land \*

MoRTH

## Forward Detail:

## Ro Office\*

MP(Bhopal)

## PIU Office \*

Chindwara

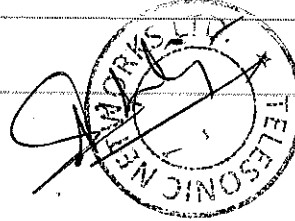
## Stipulated Norms

1	Whether proposal is in the same side where land is not to be acquired.If not then where to lay the cable	Yes ▼	As per drawing
2	Details of already laid services, if any, along the proposed route	Yes ▼	As drawing
3	Number of lanes (2/4/6/8 lanes) existing.	Yes ▼	4Lane
4	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	Yes ▼	4Lane
5	Service road existing or not.If yes then which side.(a)Left side from center line or (b)Right side from center line	No ▼	
6	Proposed Service road.(a) Left Side from center line or (b) Right side from center line	No ▼	
7	Whether proposal to lay cable is after the service road or between the service road and main carriageway	No ▼	
8	(i) Where the ROW is more than 45m then the duct cable be laid at the edge of right of way within the utility corridor of 2m width, duly keeping in view the future widening	Yes ▼	
9	(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 utility corridor of 2m width, on that side of existing carriageway where extra land is not proposed to be acquired for 4-laning	Yes ▼	
10	(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.	Yes ▼	
11	(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	Yes ▼	
12	(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.	Yes ▼	
13	No. of applicants on the same stretch	Yes ▼	2
14	Whether the case of multiple licenses	Yes ▼	
15	If so furnish a joint implementation programme to lay their respective ducts within stipulated time frame.	Yes ▼	
16	If crossings to the road involved.If Yes it shall only be through trench-less technology	Yes ▼	by HDD Method
17	Document/Drawings enclosed with the proposal	Yes ▼	
18	Cross section showing the size of 1.6m deepX 0.5m wide)(Yes/No)	Yes ▼	
19	Cross section showing the size of pit and location of cable for HDD method(Yes/No)	Yes ▼	
20	Strip plan/ Route Plan showing the OFC, Chainage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Yes ▼	
21	Open trenching method. If yes, Methodology of refilling of trench	Yes ▼	by Wast material
22	Horizontal directional Drilling (HDD) method	Yes ▼	
23	Laying OFC through CD works and method of laying (whether to be hung outside parapet)	Yes ▼	
24	Draft License Agreement signed by two witnesses	Yes ▼	
25	Performance BG as per Ministry's circular No. RW/NH-33044/27/2000-S&R (R) dated 21.3.2006 to be obtained @ Rs50/- per meter length	Yes ▼	As per MoRTH Circular 33044/29/2015/S&R(R) dated 22-11-2016
26	Confirmation of BG has been obtained as per NHAI guidelines	Yes ▼	
27	Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency	Yes ▼	
28	Renewal of Bank Guarantee	Yes ▼	
29	Confirming all standard condition of NHAI's guideline	Yes ▼	
30	Shifting of OFC as and when required by NHAI	Yes ▼	
31	Shifting due to 6 laning/ Widening of NH	Yes ▼	
32	Indemnity against all damages and claims clause (xxiv)	Yes ▼	
33	Traffic movement during laying of OFC to be managed by the applicant	Yes ▼	
34	If any claim is raised by the Concessionaire then the same has to be paid by the applicant	Yes ▼	
35	Certificate for 6- laning from the applicant in the 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-laning or any other development."	Yes ▼	
36	Power of Attorney in favour of authorized signatory	Yes ▼	
37	Copy of DOT license	Yes ▼	
38	Certificate from the Project Director	Yes ▼	
39	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 711.2000 and Ministry's circular No. RW/NH-33044.27/2000-S&R (R) dated 21.3.2006.	Yes ▼	As per MoRTH Circular 33044/29/2015/S&R(R) dated 22-11-2016
40	Certificate for 6- laning from PD in the following format.(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". or (b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-laning".	Yes ▼	
41	The agreement fee of Rs. 1 shall be charged	Yes ▼	

42	if NH section proposed to be taken up by NHA1 on BU1 basis- a clause in para 1/ to be inserted in the agreement. "The permitted Highway on which Licensee has been granted the right to way 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 NH No. ----- on Build, Operate and Transfer Basis] and therefore, the licensee shall honour the same."	<input type="text" value="Yes"/>	Sanver-Sausar road
43	Who will supervise the work of laying of OFC	<input type="text" value="Yes"/>	Telesonic Network Ltd
44	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	<input type="text" value="Yes"/>	As per MoRTH Guidelines
45	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire	<input type="text" value="Yes"/>	Telesonic Network Ltd
46	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/33033/17/2000-S&R dated 23.7.2003	<input type="text" value="Yes"/>	As per MoRTH Guidelines
47	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/33044/17/2000-S&R dated 23.7.2003 as referred in para 13 above is enclosed or not.	<input type="text" value="Yes"/>	As per MoRTH Guidelines

Print

Back



Telesonic Networks Ltd.  
3rd Floor, Metro Towers, Near  
Vijay Nagar Square Scheme  
No-54, Indore-452010.

www.airtel.in  
Call +91 731 4222555



Ref: - TNL/OFC /INTERCITY/M.P.//MP/Savner-Sausar/NHAI /01

To,  
The Project Director  
NHAI  
PIU- Chhindwara (M.P.)

Date: 16-11-2019

Subject: Permission to lay optical fiber cable on NH-547 Savner-Sausar road from Km/s 00+000 to Km/s 20+000 (Map attached). Total section length ROW applied for 20 Kms.

Dear Sir,

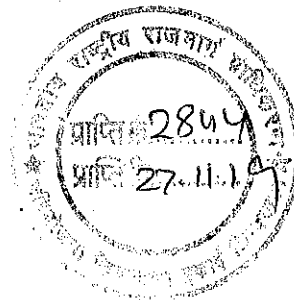
This is with reference to the above cited subject, we would like to inform you that M/s M/sTelesonic Network Ltd. having its Regd. Office located at, Bharti Crescent 1 Nelson Mandela road Vasant Kunj New Delhi-110070

Telesonic Network Ltd is registered with Department of Telecommunication (DoT) as a Infrastructure Provider Category -I (IP-I) holder vide letter No.797/2017 dated 06-December 2017 to offer various service for data & voice communication & for the same it requires to establish & maintain assets such as Dark Fibre, Right of Way Duct space and Towers.

We are planning to lay Optical Fiber Cable (OFC) through duct, adopting methodologies like HDD, open trench, Clamping and other methods conducive on ground. The above chainage falls under your jurisdiction, as such we seek your cooperation to construct a Fiber optic backbone link. Rest assured that the work will be carried out as per standards, guidelines & policies of the Authority for laying the OFC, we are also earmarking on SLD-the provisioning of road bridges likely and would appreciate specific instructions wherever applicable.

We are enclosing herewith a copy of proposed OFC route map along with a brief on HDD with the request to kindly grant us permission at the earliest as we intend to take up the job on a war footing.

Yours sincerely,  
  
Authorized Signatory

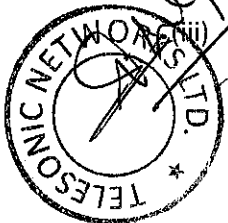


CYD/MP  
MURAB  
27/11/19

**SUB: Laying Of Underground Cables along the National Highway**

**DETAILS REGARDING UNDERGROUND CABLE LAYING.**

1. (i) Name of company asking for Permission : **Telesonic Network Ltd.**
- (ii) Full Address (Registered) : Bharti Crescent 1 Nelson Mandela road  
Vasant Kunj New Delhi-110070
- Corporate Address : Bharti Crescent 1 Nelson Mandela road  
Vasant Kunj New Delhi-110070
- (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) 22-21 mtrs from centre of road along on NH-547 Savner-Sausar road from Km/s 00+000 to Km/s 20+000 (Map attached). Total section length ROW applied for 20 Kms. in the state of Madhya Pradesh & Maharastra 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-547**  
on NH-547 Savner-Sausar road from Km/s 00+000 to Km/s 20+000 (Map attached). Total section length ROW applied for 20 Kms. in the state of Madhya Pradesh & Maharastra.
- (ii) Category of road (to be ascertained) on NH-547 Savner-Sausar road from Km/s 00+000 to Km/s 20+000 (Map attached). Total section length ROW applied for 20 Kms. in the state of Madhya Pradesh & Maharastra
- (iii) Width of the road :  
(a) Formation width measured : 45 Meters  
from earthen bank  
(b) Black top road carriage-way : Meter each carriage  
width



- (c) Road boundary : 1) Meters
- (d) Location of cable laying along on NH-547 Savner-Sausar road from Km/s 00+000 to Km/s 20+000 (Map attached). Total section length ROW applied for 20 Kms. in the state of Madhya Pradesh & Maharastra extreme edge within the road or at extreme edge of Road boundary.
3. Details to be supplied on lay out drawings. : 4 sets of proposed route 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 Telecom Transmission cable. : Light weight 48F Optical Fibre 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-547**.
5. (i) This is to certify that no Govt. Road land shall be occupied by TNL 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 TNL.
- (iii) This is to certify that all required Cost and fees as per rules and regulation of the Govt. will be deposited timely.

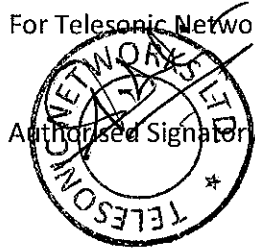
Date :

For Telesonic Network Limited

Place :

Authorised Signatory

Encl.: Route marked on Map

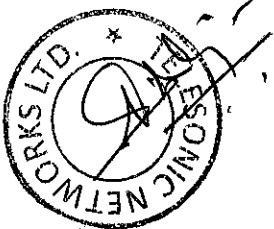


## CHECK-LIST

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

### Relevant circulars

- 1) Ministry Circular No. RW/NH-33044/17/2000-S&R dated 29.09.2000
- 2) NHPWD's circular no. NHPWD/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 NHPWD.
- 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.



*10/10/2016  
Amrinder  
Amrinder*



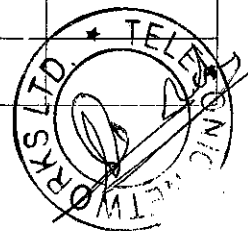
**Check list for getting approval for laying of optical fiber cables on NH land**

S. No.	Item	Information/Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant	<b>Telesonic Network Ltd.Regd. Office: Corp. Office Bharti Crescent 1 Nelson Mandela road Vasant Kunj New Delhi- 110070</b>	
1.2	National Highway Number	NH-547.	
1.3	State	Madhya Pradesh	
1.4	Location	<b>Savner-Sausar Road</b>	
1.5	(Chainage in km)	on NH-547 Savner-Sausar road from Km/s 00+000 to Km/s 20+000 (Map attached). Total section length ROW applied for 20 Kms. in the state of Madhya Pradesh & Maharashtra	
1.6	Length in Meters	20000 Mtrs.	
1.7	Width of available ROW	Varying from 45	
	(a) Left side from center line towards increasing chainage/km direction	18 M	
	(b) Right side from center line towards increasing	18M	

*20/02/15  
APR 15  
APR 15*

*Ami Prady  
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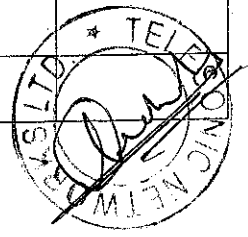
*Ami  
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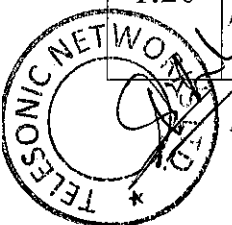
	chainage/km direction		
1.8	Proposal to lay the cable		
	(a) Left side from center line towards increasing chainage/km direction	on NH-547 Savner-Sausar road from Km/s 00+000 to Km/s 20+000 (Map attached). Total section length ROW applied for 20 Kms. in the state of Madhya Pradesh & Maharastra	
	(b) Right side from center line towards increasing chainage/km direction	NA	
1.9	Proposal to acquire land	No	
	(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	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	2 lane with paved shoulders	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	4 lane	
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	

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 PD



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 60 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 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	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	



*Amir  
21/11/2020  
PD*

*Amir  
21/11/2020  
PD*

*Amir  
21/11/2020  
PD*

	their respective ducts within stipulated time frame.		
1.21	If crossings of the road involved If Yes it shall only be through trench-less technology	One Road Crossing & that will be through HDD Method	
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 works etc.	Yes Attached	
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	crossing & stretch where soft soil exist .	
2.4.3	Laying OFC Through CD Works And Method Of Laying (Whether to be hung outside parapet)	No and through HDD & OT Method	
3.	Draft license Agreement signed by two witnesses	Yes	
4.	Performance Bank Guarantee	submitted after approval and Draft calculation sheet submitted	
4.2	Confirmation of BG has been obtained as per MORTH guidelines	BG shall be submitted as per MORTH Guidelines	
5	Undertaking from the Applicant for		



*Handwritten notes:*  
 P.10/06/75  
 P.11/06/75  
 Approved

*Handwritten signature:*  
 Sanjay K. Singh  
 7/8

*Handwritten signature and date:*  
 4/12/2020  
 09

5.1	Not to Damage to other utility, if damaged than to pay the losses either to NHAI or to the concerned agency.	Yes	
5.2	Renewal of Bank Guarantee	Yes	
5.3	Confirming all standard condition of Ministry Circulars and NHAI's guideline.	Yes	
5.4	Shifting of OFC as and when required by NHAI at their own cost.	Yes	
5.5	Shifting of OFC due to lanning / widening of NH	Yes	
5.6	Indemnity against all damages and claims	Yes	
5.7	Traffic movement during laying of OFC to be managed by the applicant.	Yes	
5.8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant.	Yes	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alternations to the OFC located in the National Highway right-of-ways.	Yes	
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 will be borne by the applicant agency owning the line.	Yes	
5.11	If the NHAI considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NHAI at the cost of the agency owing 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 OFC will not have any deleterious effects on any of the bridge.  (ii) "We do undertake that I/We will relocate OFC at my/ our own cost notwithstanding	Yes	

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	the permission granted within such time as will stipulated by NHA for future 4-lanning or any other development"		
6	Who will sign the agreement on behalf of OFC agency?	-	
	Power of Attorney to sign the agreement is available or not	Mr. Afaque Siddiquee, Sr. Manager- Network of M/s Telesonic Network Ltd.	
7	The Project Director, will submit the following Certificates		
7.1	Certificate for proposal for confirming of all standard condition issued vide Ministry of Road Transport and Highways Circular No. RW/NH-33044 /29/2015/S&R( R) dated 22.11.2016	Yes	
7.2	Certificate from PD in the following format  (i) "It is certified that any other location of the OFC would be extremely difficult and unreasonable costly and the installation of OFC within ROW will not adversely affect the design, stability & traffic safety of the highway not the likely future improvement such as widening of the carriageway, easing of curve etc.	Yes	
	(ii) for 4 – laning  (a) Where feasibility is available "do certify that there will be no hindrance to proposed 4-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 a site for accommodating proposed six-laning"	NA	

*AV/Asst  
 2/11/2016  
 Aamir Siddiquee  
 Senior Engineer  
 1/1*

*Amir  
 2/11/2016  
 PD*

8	<p>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</p> <p>The right to lay OFC 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"</p>	NA	
9	Who will supervise the work of laying OFC		
	(a) On behalf of the Applicant	Sr. Manager M/s TNL	
	(b) On behalf of NHAI	Manager Technical/ IE/AE/SC	
10	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.		
	(a) On behalf of the Applicant	Sr. Manager M/s TNL	
	(b) On behalf of NHAI	Manager Technical/ IE/AE/SC	
11	Who will pay the claims for damages done/ disruption in working of Concessionaire if asked by the Concessionaire?	-	
	On behalf of the Applicant	Sr. Manager M/s TNL	
	On behalf of the NHAI	NA	
12	A certificate form PD hat he will enter the proposed permission in the register of records of the permissions in the prescribed Performa (copy enclosed)	Yes	
13	If any pervious approval is accorded for laying of underground OFC then Photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed.	No	

*N/A to  
 A/E  
 Approved  
 for  
 7P  
 1/11/20  
 1/11/20  
 PD*

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

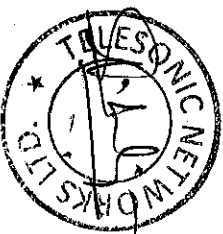
Annexure-II

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-547.

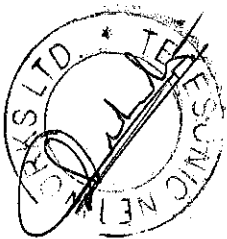
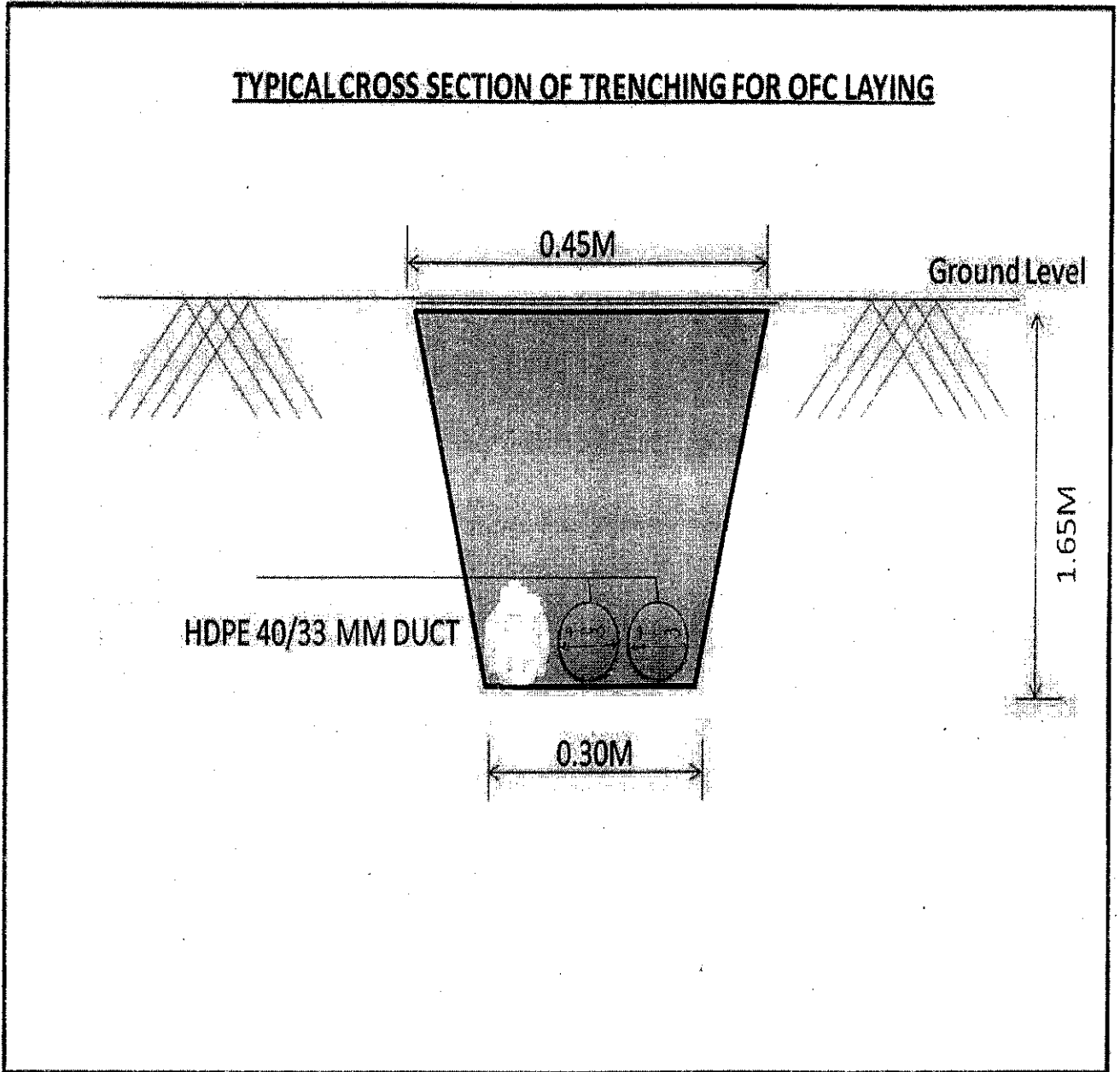
S.No.	Location (change in Km)	Left or right side of NH (towards increasing chainage/km direction)	Section and reach	Kind of service	Name of license and contact address	Date of signing of agreement	Date of validity of agreement	Date of last inspection of site	Any deviation from MOST standard norms	Remarks
1	on NH-547 Savner-Sausar road from Km/s 00+000 to Km/s 20+000 (Map attached). Total section length ROW applied for 20 Kms. in the state of Madhya Pradesh & Maharashtra.	LHS	Savner-Sausar Road.	Telecom	Telesonic Network Ltd.Regd. Office: Bharti Crescent 1 Nelson Mandela road Vasant Kunj New Delhi-110070				No	

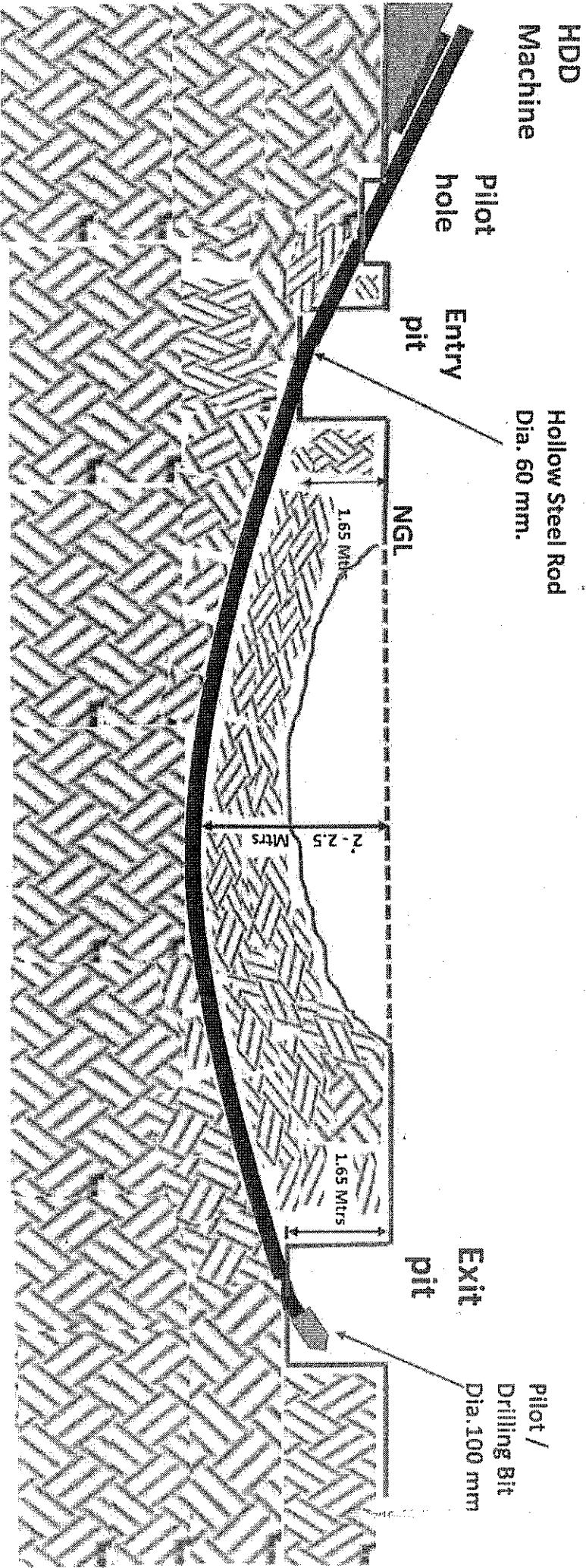




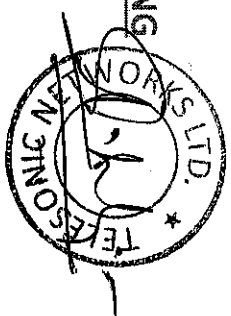
**ANNEXURE NO-7**

**TYPICAL CROSS SECTION OF TRENCHING FOR OFC LAYING**





TYPICAL CROSS SECTION SHOWING HORIZONTAL DIRECTIONAL DRILLING



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

**Trenching Method:**

Laying of Optical Fiber Cable along NH-547 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 utilized 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:*



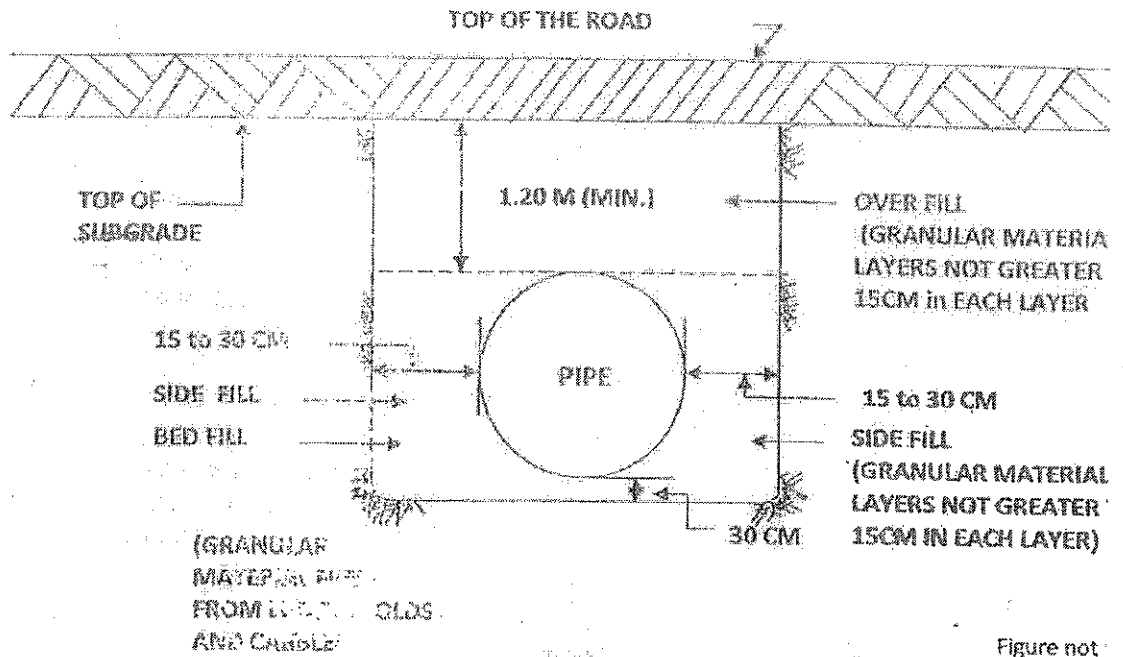


Figure not

FIGURE-2 INSTALLATION OF PIPE FOR ALONG THE ROAD

