No. RO/VJA/Misc.24/B/OFC/NH-40/Sr.no.87/981 Government of India

Ministry of Road Transport & Highways Regional Office, Vijayawada

Door No.41-29-45A, 3rd & 4th floors, MORTH/NHAI Buildings, Ranigarithota, Near Kanakadurga Varadhi, Krishnalanka, Vijayawada-520013. Tele: 0866-2571985

Dated: 02.12.2021

Invitation of Public Comments

Sub: Proposal for Permission for laying Optical Fibre cable (OFC) along NH-40 by M/s Airtel Telesonic Network Ltd., Hyderabad from km 299/288 to km 316/000 (LHS) of NH-40 for a total length of 16,712mts and across the road at Km 311/000 for a length of 30mts in Chittoor District in the State of Andhra Pradesh - reg.

Please find enclosed herewith the proposal in accordance with Ministry's latest guidelines dated 22.11.2016 forwarded by Chief Engineer(R&B), NH & CRF, AP vide letter dated 11.11.2021 for laying Optical Fibre cable (OFC) by M/s Airtel Telesonic Network Ltd., Hyderabad from km 299/288 to km 316/000 (LHS) of NH-40 for a total length of 16,712mts and across the road at Km 311/000 for a length of 30mts in Chittoor District in the State of Andhra Pradesh by the Horizontal Directional Drilling (HDD) method.

- guidelines, issued by the Ministry vide Circular No.RW/NH-As per the 33044/29/2015/S&R(R) dated 22.11.16, the proposal for Highway crossing permission along National Highways 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.
- In view of the above, comments of the public on the above mentioned proposal is invited on the address mentioned below:

The Regional Officer, Ministry of Road Transport and Highways, Regional Office, Vijavawada Door No.41-29-45A, 3rd & 4th floors, MORTH/NHAI Buildings, Ranigarithota, Near Kanakadurga Varadhi, Krishnalanka, Vijayawada-520013. Tele: 0866-2571985. Email id: romorthvijayawada@gmail.com.

Yours Faithfully,

Encl: As above

(Venkataiah Mekala) Sr. Technical Assistant, For Regional Officer, MoRTH, Vijayawada

Copy to:

- 1) Senior Technical Director, NIC for uploading on the Ministry's website.
- 2) The Chief Engineer(R&B), NH & CRF, AP.
- 3) M/s Airtel Telesonic Network Ltd., Hyderabad, 1-8-437, 438, 364 & 445, splendid towers, Opp: Begumpet Police Station, Hyderabad - 500016.

INSPECTION REPORT

The concerned authority of Airtel has requested to accord Road cutting Permission for laying HDPE Duct for Optical Fiber lines along NH-40 (Old NH-18) from Km 299/288 to 360/000 (LHS) for total length of 16.742 Km in Chittoor district of Andhra Pradesh under (R&B) NH division , Chittoor.

We have inspected the site along with concerned authorized representatives of Airtel on 12.12.2020 with reference to the above proposal submitted, the following points were observed and mentioned below.

- 1. The total length of laying of OFC proposed to laid is 16742 meters along the road from Km 299/288 to 316/0 of NH-40 in Chittoor district of Andhra Pradesh as mentioned below.
- 2. Road crossings are mentioned in the attached checklist.
- 3. The firm has proposed to lay 40mm pipeline at the depth of 1.65 m from existing ground level.
- 4. Above OFC lines shall have to be laid at a minimum distance of 12 meters
- 5. The ROW of road varies from 25m to 30 m. in this stretch.
- 6. Restoration of the trenches should be done by the agency as specified imMoRTH circular Memo No.RW/NH/33033/29/2015/S&R (R), dated 22.11.2016
- 7. The strip plan, methodology of laying pipeline and other documents submitted by the agency are attached herewith.

NH Section, Chittoor,

Executive Engineer(R&B)

NH Division, Chittoor.

Deputy Executive Engineer(R&B) NH Sub-Division, Chittoor.

Superintendent Engineer (R&B)

NH Circle, Anantapur.

CERTIFICATE

- 1. Undersigned has examined the proposal of the applicant M/S Airtel Telesonic Network Ltd., Hyderabad for "laying Optical Fibre Cable (OFC) of NH-40 along the road from Km 299/288 to 316/000 in LHS for a length of 16712 mts and across the road at Km 311/000 for a length of 30.00 mts in Chittoor District" and confirm that all the standard conditions issued vide MORT&H Circular Memo.No.RW/NH/ 330044/29/2015/S&R(R), Dt:22.11.2016.
- 2. It is certified that any other location of Utility line would be extremely difficult and unreasonable costly and installation of utility line within ROW will not adversely affect the design, stability and traffic safety of the highway nor the tikely future improvement such as widening of the carriageway, easing of curve elc.
- 3. I will ensure supervision of the work of laying of utility and ensure that the defects in road portion after laying of utility are corrected.
- 4. I will notify/forfeit the BG for claims for damages done/disruption in working, if any.
- 5. I will ensure that proposed permission in entered in the register of records.
- 6. The records of previous approval, if any has been considered and copy of same is enclosed with the proposal.

Executive Engineer,

(R&B) NH Division, Chittoor.

4R & B) NH Circle. Anantapuramy

SPECIFICATION REPORT

Specification report to accompany the estimate towards license fee for laying of OFC along for laying HDPE Duct for Optical Fiber lines along NH-40 (Old NH-18) from Km 299/288 to 316/000 (LHS) for total length of 16.742 Km in Chittoor district of Andhra Pradesh under (R&B) NH division ,Chittoor.

Estimate Amount:

License Fee: Rs. 2-36/135.00/-

Bank Guarantee: 88 16,74,200.00/_

The Authorized Signatory of AIRTEL, has requested to accord permission for laying of OFC from Km 299/288 to 316/000 (LHS) for total length of 16.742 Km in Chittoor district of Andhra Pradesh under (R&B) NH division ,Chittoor.

The Land rates have been obtained from official website of registration & stamps department, Government of Andhra Pradesh and copy of the same is attached herewith.

Further, the license fee and bank Guarantee amount have been worked out as per MoRTH circular Memo No. RW/NH/330044/29/2015/S&R (R), dated 22.11.2016.

Assistant Executive Engineer (R&B)

NH Section, Chittoor

Deputy Executive Engineer (R&B)

NH Sub-Division, Chittoor

Executive Engineer(R&B)

NH Division, Chittoor

Superintendent Engineer (R&B)

NH Circle, Anantapur

Proposal for granting of permission for laying of OfC cable NH∹+0 Pileru-Chittor Road by M/s Telesonic Networks Limited between KM 299.000 to KM 316.000 & 1No's of road

-	duluence value in (in Amount(in Rs.)	rs.// sqm	724 992	339.7578453 (8.10.322.46	135,9031381 7 01 816 16			98.83864591 1,55,670.87	148.2579689 1.00.074.13	135.9031381 85 618 98		48.83 1335	339.7578453 (4.586.73)	11.21001.00	193000		0	7/446 (739140.00
(m) Guidonco Valuo in Cuidas	_			1375000 339	550000 135	540000			600000 148	550000 135	ė		(1375000) (439	400000				
V	_		22.56	(2385)	1485	006	1575	CYCY	6/5	630			13.5	7663.5		*12)	121X X75011	
Length (in Mtrs) Width (in Mtrs) Area (in Mtrs)			1	0.45	0.45	0.45	0.45	200	0.45	0,45		2,41	0.45		Total Amount (Rs.) 143168/	License Fee (Rs./Per Month) = Rs.4478179.00/(10*12)	License Fee for 5 Years = Rs(17319 00*5*17)	
Length (in Mtrs)	T	1	1 0000	noco)	3300	2000	3500	70016	ONCT	1400		000	OC		Total Amour	e (Rs./Per Month) =	se Fee for 5 Years =	
	To		304 300	202,000	000.700	309.600	313.100	314 600	247.000	316,000		311 000	2004			License Fe	Licen	20/ of the description 1 seller
Chainage (in KM)	From	294.288	(299,000)	304 300	002.500	009.706	309.600	313,100	214 500	244,000		311.000						For Dublic Hillin, of 22% of industrial Hillsing and Aspen
Location		Along the road	Pileru	Cherukuvaripalle	Verragintianallo		Agraharam	Sodam	Verrathivarinallo	Across the read	ארו מאא יוווב נמשמ	Agraharam						

- RS 1674200.00 Pertorner and Goldsonter a RS100 Per noted (600 16.742 Km)

236135.00

Asst. Executive Engineer (R&B) National Highways

(R&B) National Highways CHITTOOR *

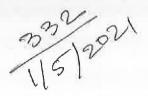
Section-II, CHITTOOR

EXECUTIVE ENGINEER (R & B) N.H. Division CHITTOOR.

Superintending Enginéer

(R & 3) NH Circle, Anantapuramed





Guidelines for processing the proposal for laying of utility line in the land along National Highways vested with NHAI/PWD/BRO.

SI. No.	Item	Information/ Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant/Agency	Telesonic Networks Limited, 1-8- 437, 438, 364 & 445, Splendid Towers, Opp. Begumpet Police Station, Hyderabad-500016.	
1.2	National Highway Number	NH-40	
1.3	State	Andhra Pradesh	
1.4	Location	Pileru to Devalampet	
		Km.299.288 to Km.316.000 (LHS)	
1.5	(Chainage in km.)		
1.6	Length in Meters	16742 M (Along the Road 16712 M + Road crossings 1 X 30 M)	
1.7	Width of available ROW	The state of the s	
	(a) Left side from center line towards increasing chainage/ km direction	15 Meters	
	(b) Right side from center line towards increasing chainage/ km direction	15 Meters	
1.8	Proposal to lay the utility		
	(a) Left side from center line towards increasing chainage/km directions	NA	
	(b) Right side from center line towards increasing /km direction	Km.299.288 to Km.316.000 (LHS)	
1.9	Proposal to acquire land		-
	a) left side from center line	NA	
	b) right side from center line	NA	
1.10	Whether proposal is in the same side where	NA	
	land is not to be acquired		
	If not then where to lay the cable		
1.11	Details of already laid services, if any, along	NA *	
1.12	the proposed route		
1.13	Number of existing lanes (2/4/6/8 lanes)	2 lane	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4 /6/8 lanes)	NA	
1.14	Service road existing or not	NA	
	If yes then which side	NA NA	
	(a) Left side from center line	NA NA	-
	(b) Right side from center line	NA NA	
1.15	Proposed Service road	11/0	
	(a) Left side from center line		
	(b) Right side from center line	NA	
1.16	Whether proposal to lay utility is after the	1417	
	service road or between the service road and	NA	1
- //	main carriageway		1 (/

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	CHECK - LI	ST	
1.17	Whether carrying of sewage/OFC has been proposed on highway Bridges.	No, Utility (OFC) not proposed on Bridges.	
	If yes, then mention the methodology proposed for the same.		
1.18	Whether carrying of sewage/OFC has been proposed on the parapet/any part of the Bridges. If yes, then mention the methodology	No, Utility (OFC) not proposed on the parapet/any part of the Bridges.	
	proposed for the same.		
1.19	If Crossing of the Road involved If Yes, it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expense of the agency owning the line	Yes @ Km.311/000	
	a) Whether the existing drainage structures are allowed to carry the OFC	No	
	b) Is it on a line normal to NH	Yes	
	c) What is the distance of crossing the utility OFC from the existing structures? Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.	Not Applicable	
ν	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 concrete and have adequate strength and be large enough to permit ready withdrawal of carrier pipe/cable Mention type of casing.	Not Applicable	260
	e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path	Not Applicable	
	f) The casing/conduit pipe should be as minimum extend from drain to drain in cuts and toe of slope in the fills.	Not Applicable	
	g) The top of the casing/conduit pipe should be at least 1.5 meter below the surface of the road subject to being at least 0.3 m below the drain inverts. Mention the proposed details	Applicable	
	h) Mention the methodology proposed for crossing of road for the proposed sewage/OFC. Crossing shall be by boring method (HDD) (Trenchless Technology), specially where the existing road pavement is of cement concrete or dense bituminous concrete type	Using HDD methodology	
	 i) 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 water way along it 	Not Applicable	GC.
2	Document/Drawings to be enclosed with the		
11	proposal	Enclosed	0

Asst. Executive Engineer (R&B) National Highways

Deputy Executive Engineer (R&B) National Highways CHITTOOR EXECUTIVE ENGINEER (R & B) N.H. Division CHITTOOR.

	CHECK - LI	ST	
2.1	Cross section showing the size of trench for	Enclosed	
	open trenching method		
	Is it normal size of 1.5m deep x 0.3 m wide	Yes	
	i) should not be greater than 60 cms wider	Yes	
	than the outer diameter of the pipe		
	ii) located as close to the extreme edge of the		
	Right of Way as possible but not less than 15m	Drawing Enclosed	
	from the center line of the nearest carriageway	Distring Effetosed	
	iii) shall not be permitted to run along the		
	National Highways when the road formation is	Not Applicable	
	situated in double cutting nor shall these be	110t Applicable	
	laid over the existing culverts and bridges		
	iv) These should be so laid that their top is at	Yes	
	least 0.6m below the ground level so as not to	163	
	obstruct drainage of the road land		
2.2	Cross section showing the size of pit and		
	location of cable for HDD method	HDD Cross section enclosed	
2.3	Strip plan / Route Plan showing utility/OFC	TIDD CIOSS SECTION ENCIOSED	
	chainage, width of ROW, distance of	Strip plan showing all the details is	
	proposed pipe line from the edge of ROW,	enclosed	
	important mile stone, intersections, cross	enciosed	
	drainage works etc.		
2.4	Methodology for laying of the OFC	Enclosed	
2.4.1	Open trenching method (may be allowed in	Liicioseu	
	utility corridor only where pavement is neither	Yes, Methodology of OFC laying	
	cement concrete nor dense bituminous	attached.	
	concrete type)	actadirear	
	If yes, what is the methodology of refilling the		
	trench	The state of the s	-
	a) The trench width should be at least 30		
	cms, but not more than 60 cms. wider	Open Trench cross section	
	than the outer diameter of the pipe	enclosed	
	b) For filling of the trench, Bedding shall		
	be to a depth of not less than 30 cms.		
	It shall consist of granular material,		
	free of lumps, clods, cobbles and	Yes	
	graded to yield firm surface without		ľ
	sudden change in the bearing value.		
	Unsuitable soil and rock edges should		Y)
	be excavated and replaced by		
	selected material.		
	c) The backfill shall be completed in two		
	stages- i) side fill to the level of the	Yes	
	top of the pine and ii) and fill all		
	top of the pipe and ii) overfill to the bottom of the road crust		

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Asst.Executive Engineer (R&B) National Highways Section-II, CHITTOOR

Deputy Executive Engineer (R&B) National Highways CHITTOOR May rely

EXECUTIVE ENGINEE (R & B) N.H. Division CHITTOOR.

	consolidated by mechanical tampering		
	and controlled addition of moisture to	Yes	
	95% of the proctor density. Overfill		
	shall be compacted to the same density as the material that has been		
	removed. Consolidation by saturation		
	or ponding will not be permitted.		
	e) The road crust shall be built to the		
	same strength as the existing crust on	Yes	
	either side of the trench. Care shall be	1.55	
	taken to avoid the formation of a dip		
	at the trench.		
	f) The excavation shall be protected by		
	flagman, Signs and barricades and red	Yes	
	lights during night hours.		
	g) If required a diversion shall be		
	constructed at the expense of agency owing the utility line.	Not applicable	
2.4.2	Horizontal Directional Drilling (HDD) Method	Details provided in Methodology of	
	The state of the s	Laying.	
2.4.3	Methodology for laying of the OFC through CD	Edjing.	
	works and method of laying	Yes, Methodology of OFC laying	
	In cases where the carrying of OFC on the	attached.	
v.	bridge becomes inescapable		
3	Draft License Agreement signed by two	Enclosed	
2.4	witnesses		
3.1	The License fee estimate as per Ministry's		
	guidelines issued vide circular No.	Enclosed	
4	RW/NH/33044/29/2015/S&R dated 22-11-2016 Whether Performance Bank Guarantee as per		
-	Ministry guidelines issued vide circular No.	Yes, Enclosed	
	RW/NH/33044/29/2015/S&R dated 22-11-2016		
	is obtained		
4.1	Confirmation of BG has been obtained or not	Confirmation of BG shall be	
	as per MoRTH/NHAI guidelines	obtained after BG submission by	
		M/s Telesonic Networks Ltd	
5	Affidavit/Undertaking from the Applicant for		
F 4	following is to be furnished		
5.1	Undertaking for not to damage any other		
	utility, if damaged then to pay the losses either	Yes, Enclosed	
5.2	to NHAI or to the concerned agency		
3.2	Undertaking for Renewal of Bank Guarantee as and when asked by MoRTH/NHAI	Yes, Enclosed	
5.3	Undertaking for confirming all standard	Van England	
	conditions of Ministry/NHAI's guidelines	Yes, Enclosed	
5.4	Undertaking for Indemnity against all damages	Yes Enclosed	
	and claims	, as energy	
5.5	Undertaking for management of traffic	Yes Enclosed	
	movement during laying of utility line without		
5.6	hampering the traffic		
5.6	Undertaking that if any claim is raised by the	Yes Enclosed	
	Concessionaire/contractor then the same has		
5.7	to be paid by the applicant Undertaking that prior approval of the NHAI		
7/			

Asst Executive Engineer Deputy Executive Engineer EXECUTIVE ENGINE (R&B) National Highways (R&B) N.H. Divis Section-II, CHITTOOR.

	CHECK - LI	ST	
	of installation, shifting or repairs, or alterations to the utility located in the National Highway Right of Ways.		
5.8	Undertaking that expenditure if any incurred by NHAI for repairing any damage caused to the NH by laying, maintenance or shifting of the utility line will be borne by the applicant agency owning the line.	Yes Enclosed	
5.9	Undertaking that text of the License deed is as per verbatim of format issued by MoRTH vide circular No. RW/NH/33044/29/2015/S&R dated 22-11-2016	Yes Enclosed	
5.10	Undertaking that the applicant has obtained various safety clearances from the respective authorities such as Directorate of Electricity, Chief Controller of Explosives, Petroleum and Explosive Safety Organization, Oil Industry Safety Directorate, state/central pollution	Not Applicable as the Utility line proposed is OFC.	
5.11	control board and any other statutory clearances as applicable, before applying to Highway Administration.		
3.11	If the MoRTH/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 MoRTH/NHAI at the cost of the Agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes, enclosed	
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 components and roadway safety for traffic	Enclosed	Tellings 100
	ii) We do undertake that I/we will relocate service road/approach road/utilities at my/our own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for future six laning or/any other development.	Enclosed	
6	Who will sign the agreement on behalf of OFC line agency? Power of attorney to sign the Agreement is available or not	Sr. Manager, Telesonic Networks Ltd., Copy of Power of Attorney enclosed.	
7	The Project Director shall submit the following Certificates		
7.1	Certificate that the proposal is confirming to all standard conditions issued vide MoRTH circular No. RW/NH/33044/29/2015/S&R dated 22-11-2016	Enclosed	
7.2	Certificate from the PD in the following format i) "it is certified that any other location of the OFC would be extremely difficult and unreasonably costly and the installation of OFC within RoW will not adversely affect the design, stability and traffic safety of the highway nor the likely future improvement such as widening of the carriage way, easing of	5uperin Enclosed (R & 3) NH	tending Engineer Circle, Anartapuramu
ELESO)	curve etc." ii) for 6-laning	1100	100

Asst.Executive Engineer Deputy Executive Engineer (R&B) National Highways
Section-II, CHITTOOR
CHITTOOR

EXECUTIVE ENGIN (R & B) N.H. DIVI CHITTOOF

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	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".	Enclosed	
	b) In case feosibility report is not available "I do certify that sufficient ROW is avallable at site for accommodating proposed six-laning"	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 lay OFC duct has also been granted as a right of way concessionaire under the concession agreement for up gradation of Dornala T-Junction Penchalakona section from Km.329/300 to km 337/420 of NH no. 565) on Build, Operate and Transfer basis and therefore the licensee shall honor same.	NA	
9	Who will supervise the work of laying of Utility Pipe line		
	a) On behalf of the applicant	Area Manager, Telesonic Networks Limited, Chittoor	
	b) On behalf of MoRTH/NHAI	Executive Engineer (R&B), NH Division, Chittoor	
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. c) On behalf of the applicant	Area Manager, Telesonic Networks	
	d) On behalf of MoRTH/NHAI	Limited, Chittoor Executive EngIneer (R&B), NH Division, Chittoor	
11	Who will pay the claims for damages done/disruption in working of Concessionaire If asked by the Concessionaire?	Telesonic Networks Limited	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed)	Yes, Enclosed	
13	If any previous approval is accorded for laying cable line then Photocopy of register of records of permissions accorded (as maintained by PD) to be enclosed.	NA	

Shri. P Srinivas Reddy Sr Manager-Network

Name, Designation and Signature of the Authorized representative of applicant

Asst. Executive Engineer (R&B) National Highways Section-II, CHITTOOR

Superintending Engineer

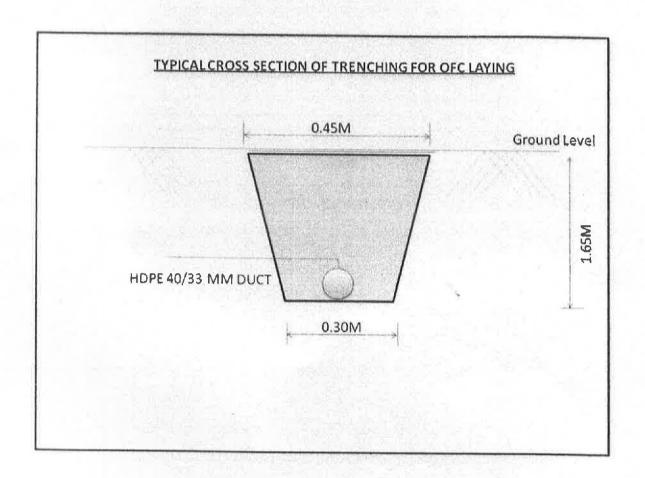
R & B) NH Circle, Anantapuramu

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

(R & B) National Highways
CHITTOOR

EXECUTIVE ENGINEER (R & B) N.H. DIVISION CHITTOOR.

Route - Pileru - Chittoor



(R&B) National Highways Section-II, CHITTOOR,

Deputy Executive Engineer (R&B) National Highways CHITTOOR

EXECUTIVE ENGINEER (R & B) N.H. Division CHITTOOR.

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Superintending Engineer (R & 3) NH Circle, Anantapuramu

Methodology of Laying of OFC-Open Trenching & Trenchless (HDD) along NH 63

Trenching Method:

Laying of Optical Fiber Cable 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.

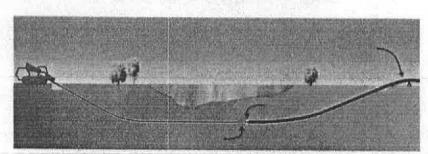
Trench Filling Method:

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:

neal set