



No. RW/TRI/Utility/51/2018-19

Government of India

Ministry of Road Transport & Highways

Regional Office (Kerala & Lakshadweep Region)

Public Office Building, Opposite to Museum,

Thiruvananthapuram - 695033.

Phone No. 0471-2320879, 2326306; email : rokeralamorth@gmail.com

Dated: 03.12.2019

Invitation of public comments

Sub:- Proposal for permission to laying OFC by M/s Reliance Jio infocomm limited on NH 183 from Km.13/700 (Elampalloor) to Km.28/200 (Bharanikavu) under NH Division Kollam, in the State of Kerala.

The proposal is seeking permission for laying OFC from Km.13/700 (Elampalloor) to 28/200 (Bharanikavu) on NH-183 by M/s Reliance Jio Infocomm limited submitted to this office vide EE, PWD NH Division, Kollam's letter dated 19.11.2019 accordance with Ministry's latest guidelines dated 22.11.2016.

2. The proposal for laying OFC along the NH from Km.13/700 (Elampalloor) to 28/200 (Bharanikavu) on NH-183 as under:

Stretch in Km.	Length (Km.)	ROW (m)	Dist. Of Prop. OFC from centre of NH (m).
LHS (Open Trench /HDD Method):			
From Km.13/700 to Km.28/200	14.500 km	8.00 (average)	4.000 m

3. M/s Reliance Jio Infocom limited, Kochi has proposed for laying OFC from Km.13/700 (Elampalloor) to 28/200 (Bharanikavu) on NH-183 by Open Trench/HDD method.

4. M/s Reliance Jio, Infocom limited. Kochi has furnished an undertaking that, they will shift the utility at their own cost if required for expansion of reach by MORTH/NHAI/PWD or any other Highways authorities within the time frame prescribed by MORTH/NHAI/PWD. Further, it is also mentioned by M/s Reliance Jio, Infocom limited. Kochi that the proposed laying OFC will not affect the design, stability, traffic safety and future improvement of proposed stretch. In addition, all the undertakings as prescribed in the checklist has been furnished by M/s Reliance Jio, Infocom limited. Kochi.

5. As per the guidelines issued by the Ministry vide letter No.RW/NH-33044/29/2015/S&R (R) dated 22.11.2016, the application will be made available for public comments and the comments will be invited within 30 days from the date of uploading in the Ministry's web site.

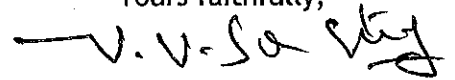
P.T.O

6. In view of above, comments of the public on the above proposal is invited to the below mentioned address:

The Regional Officer
Ministry of Road Transport & Highways,
Public Office Building,
Thiruvananthapuram - 695033.

Encl: As above.

Yours faithfully,



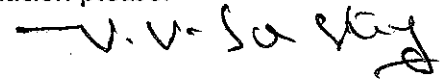
(V.V. Sastry)

Regional Officer cum Highway Administration

3/12/19

Copy to:

1. Senior Technical Director, NIC for uploading in the Ministry's website
2. The Executive Engineer, PWD NH Division, Kollam for information please.



(V.V. Sastry)

Regional Officer cum Highway Administration

3/12/19

CHECK LIST

Guidelines for processing the proposal for accommodation of Public and Industrial Utility services along and across National Highways

Relevant circulars

1. Ministry circular No. NH-41(58)/68 dated 31-01-1969
2. Ministry circular No. NH-III/P/66/76 dated 18-11-1976
3. Ministry circular No. RW- NJ-III/P/66/76 dated 01-05-1982
4. Ministry circular No. RW/NH-11037/1/86-DOi(II) dated 28-07-1993
5. Ministry circular No. RW/NH-11037/1/86-DOi dated 19-01-1995
6. Ministry Circular No. RW/NH-34066/2/95/S&R dated 25-10-1999
7. Ministry Circular No. RW/NH-34066/7/2003 S&R (B) dated 17-09-2003
8. Ministry Circular No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016

L. No	ITEM		Information/Status	Remarks	
1.	General Information		Proposal description.....		
1.1	Name and Address of the applicant/agency		Reliance jio Infocom Ltd		
1.2	National Highway Number		NH 183		
1.3	State		Kerala		
1.4	Location		Elampalloor - Bharanikavu		
Chainage in Km		Length (km)	ROW (m)	Distance of Proposed Utility from Centre of NH	LHS/RHS
13/700 to 28/200		0.102	Average 8m	4m	LHS
”		14.398 (OT)			
1.5	Defect Liability Period of last work undertaken in the stretch		14.06.2019		
1.6	Proposed location of Utility line crossing the NH		Nil		
1.7	Proposal to acquire land		No		
1.8	Whether proposal is in the same side where land is not to be acquired.		NA		
1.9	Details of already laid services , if any along the proposed route		NA		
1.10	Number of existing lanes (2/4/8 lanes)		Intermediate to two lane		
1.11	Proposed number of lanes (2 lane with paved shoulders/4/6/8 lanes)		Two lane with paved Shoulder		
1.12	Service road existing or not if yes, then which side		NO		
1.13	Proposed service road		DPR to be finalised		
1.14	Whether proposed utility line is after the service road or between the service road and		DPR to be finalised		

	main carriageway		
1.15	Whether carrying of utility line has been proposed on highway bridges if yes then mention the methodology proposed for the same	No	
1.16	Whether carrying of utility line has been proposed on the parapet /any part of the bridges. If yes then mention the methodology proposed for the same	No	
1.17	If crossing of the road involved. If yes it shall be either encased in pipes or through structure or conduit specially built for the purpose at the expense of the agency availing the line	No	
	(a) whether existing drainage structures are allowed to carry utility line	No	
	(b) Is It on a line normal to NH	Yes	
	(c) what is the distance of crossing the utility line from the existing structures crossing shall not be too near the existing structures on the NH minimum distance being 15m	No	
	(d) The casing pipe (or conduit pipe in the case of electric cables) carrying the utility line shall be of steel, Cast iron or reinforce cement concrete or have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable. Mention type of casing	HDPE casing	
	(e) Ends of casing / conduit pipes shall be sealed from outside , so that it does not act as drainage path	No	
	(g) The top of the casing /conduit pipe containing the utility services to cross the road shall be atleast 1.2m below the top of the sub grade or the existing ground level whichever is lower, subject to being atleast 0.3m below the drain inverts. Mention the proposed details.	1.2m below the top of subgrade	
	(h) Mention the methodology proposed for the crossing of road for the proposed utility line. Crossing shall be by boring method (HDD) (trenchless technology). where the stretch is in Defect Liability Period (DLP)	HDD method	
	(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	NA	
2.	Document/drawings to be enclosed with the proposal	Sketch attached	
2.1	Cross section showing the size of the trench for open trenching method	Sketch attached	

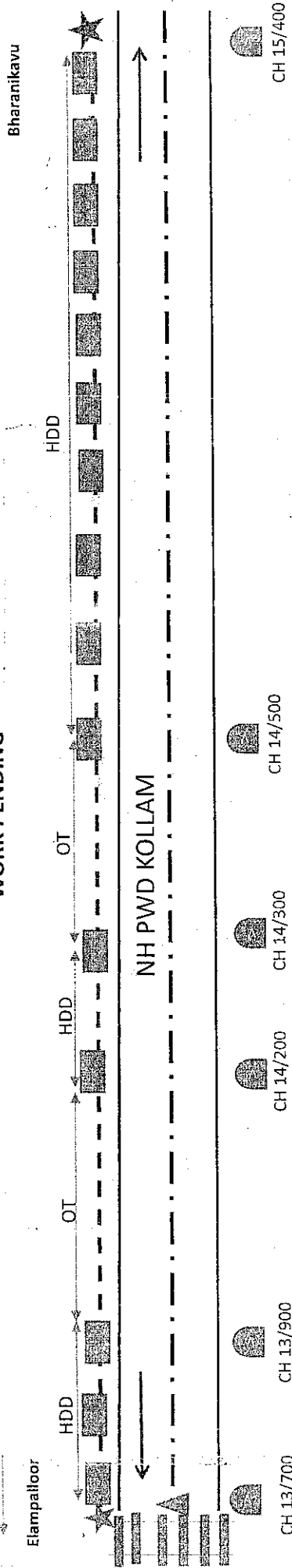
	(Is it normal size of 1.2 m deep x 0.3m wide) 1. Should not be greater than 60cm wider than the outer diameter of the pipe. 2. Located as close to the extreme edge of the right of way as possible. 3. shall not be permitted to run along the national highways when the road formation is situated in double cutting nor shall be laid over the existing culverts and bridges. 4. These should be so laid that their top is least 0.5m below the ground level so as not to obstruct the drainage of the road land.		
2.2	Cross section showing the size of the pit and the location of the cable for HDD method	<i>cross section attached</i>	
2.3	Strip plan/route plan showing the proposed utility line, distance of proposed pipe line from the edge of ROW, important mile stone, intersections, cross drainage works etc.	<i>Route plan attached</i>	
2.4	Methodology for laying of utility line	<i>HDD</i>	
2.4.1	Open trenching method (Open trenching in Bituminous surface will be allowed in the utility corridor only where road is not under Defect liability Period, with proper justification for not using HDD) If yes, what is the methodology for refilling the trench	<i>NA</i>	
	a) Defect Liability Period of the Stretch	<i>14.06.2019</i>	
	b) The trench width should be atleast 30cm, but not more than 60cm wider than the outer diameter of the pipe	<i>NA</i>	
	c) For filling of the trench, bedding shall be at a depth of not less than 30cm. It shall consist of granular material, free of lumps, clods, and cobbles and graded to yield a firm surface without a sudden change in the bearing values. Unsuitable soil and rock edged should be excavated and replaced by selected materials.	<i>NA</i>	
	d) The backfill shall be completed in two stages (1) side fill to level of the top of the pipe and (2) over fill to the bottom of the road crest.	<i>NA</i>	
	e) The side fill shall consists of granular material laid in 15 cm layers each	<i>NA</i>	

	consolidated by mechanical tempering and controlled addition of moisture to 95 % of the proctors density. Over fill shall be compacted to the same density as the material that has been removed. Consolidation by saturation or ponding will not be permitted.		
	f) The road crest shall be built to the same strength as the existing crest on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench.	N/A	
	g) The excavation shall be protected by flag man, signs and barricades and red lights during night hours.	N/A	
	h) If required, a diversion shall be constructed at the expense of the agency owing the petroleum line/ underground water conductor system	N/A	
2.4.2	Horizontal directional drilling (HDD), method	HDD	
2.4.3	Methodology for laying of utility line through CD works and method of laying. In cases where the carrying of Gas pipe line on the bridge becomes in escapable.		
3.	Draft license agreement is submitted along with the proposal	yes	
3.1	The license fee estimate as per ministry's guide lines issued vide circular number RW/NH-33044/29/2015/S&.R(R) dated 22.11.2016	yes	
4.	Whether performance bank guarantee as per ministry's circular number RW/NH-33044/29/2015/S&.R(R) dated 22.11.2016 is obtained/undertaking attached	Undertakings attached Demand note for BG issued	
4.1	Confirmation of BG has been obtained or not as per MORTH /NHAI guide lines	BG will be submitted only after approval from MORTH	
5.	Affidavit /Undertaking form the applicant for the following is to be furnished.	yes	
5.1	Undertaking for not to damage any other utility, if damaged then to pay the losses either to the MoRTH/NHAI/PWD or to the concerned agency as decided by MoRTH.	yes	
5.2	Undertaking for renewal of bank guarantee as and when asked by MORTH /NHAI/PWD	yes	
5.3	Undertaking for confirming all standard conditions of MoRTH's circulars number RW/NH-33044/29/2015/S&.R(R) dated 22.11.2016	yes	

5.4	Undertaking for indemnity against all damages and claims	yes	
5.5	Undertaking for management of traffic movement during laying of utility line without hampering the traffic	yes	
5.6	Undertaking that prior approval of the MoRTH/NHAI/PWD shall be obtained before undertaking any work for installation, shifting or repairs or alterations to the utility line located in the National Highway right of ways.	yes	
5.7	Undertaking that expenditure if any incurred by PWD/MoRTH/NHAI for repairing any damage caused to the national highway by the laying, maintenance or shifting of the utility line will be borne by the applicant agency owing the line.	yes	
5.8	Undertaking that text of license deed is as per verbatim of MORTH format (issued by ministry's Circular number RW/NH-33044/29/2015/S&R(R) dated 22.11.2016	yes	
5.9	Undertaking that the applicant has obtained various safety clearances from the representative authorities such as directorate of electricity, Chief controller of explosives, petroleum and explosive organization, oil industry safety directorate , state / central pollution control board and any other statutory clearances as applicable before applying to the highway administrations.	yes	
5.10	Undertaking that the utility line will be shifted by the utility agency at the cost of the agency owing the utility line, if the MORTH / NHAI/PWD consider it necessary in future to shift the utility line for expansion of road.	yes	
6.	Who will sign the agreement on behalf of utility line agency	should be provided by utility Provider	
	Power of attorney to sign the agreement is available or not	No	
7.	Certificate from PD NHAI/Executive Engineer, PWD as per the format	No	

PROPOSED OFC SLD OF ROUTE ELAMPALLOOR-BHARANIKAVU

WORK PENDING



Elampalloor Railway cross



Reliance Jio
Infocomm Limited
For,
Reliance Jio
Infocomm Ltd

100M INTERVAL BETWEEN EACH PIT

★	START POINT	—	ROAD CENTER LINE
★	END POINT	—	BRIDGE
---	PROPOSED OFC ROUTE	—	CULVERT
---	ROAD	▲	AUTHORITY CHANGE
---	RAILWAY		

Name of Route	ELAMPALLOOR-BHARANIKAVU
Sheet No 1	Reliance Jio Infocomm Limited
sed Route	No Of Duct 40mm *2 Total- 14.4km Page Total 1.7KM
ROUTE: KOLLAM-THENI HIGHWAY KOLLAM	Priority- NH PWD KOLLAM LHS

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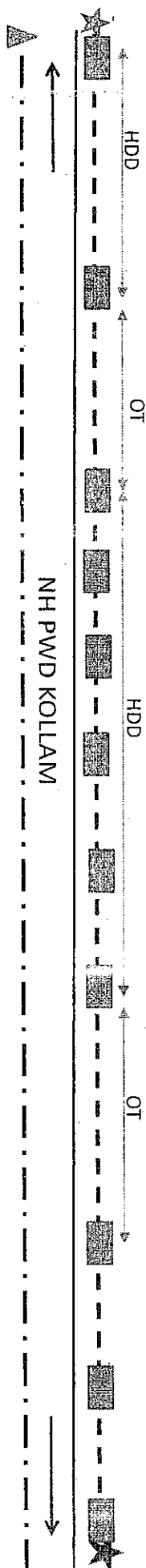


PROPOSED OFC SLD OF ROUTE ELAMPALLOOR-BHARANIKAVU

Elampalloor

WORK PENDING

Bharanikavu



CH 15/400

CH 15/700

CH 16/100

CH 16/700

CH 17/300

CH 17/600

Reliance Jio
Infrastructure Limited

For,
Reliance Jio
Infocomm Ltd

100M INTERVAL BETWEEN EACH PIT

Line of Route	ELAMPALLOOR-BHARANIKAVU	
Project No	Reliance Jio Infocomm Limited	
3 Route		
JTE: KOLLAM-THENI HIGHWAY	No Of Duct	40mm * 2
LLAM	Total	14.4km
CV- NH PWD KOLLAM	Page Total	2.2KM
IS		

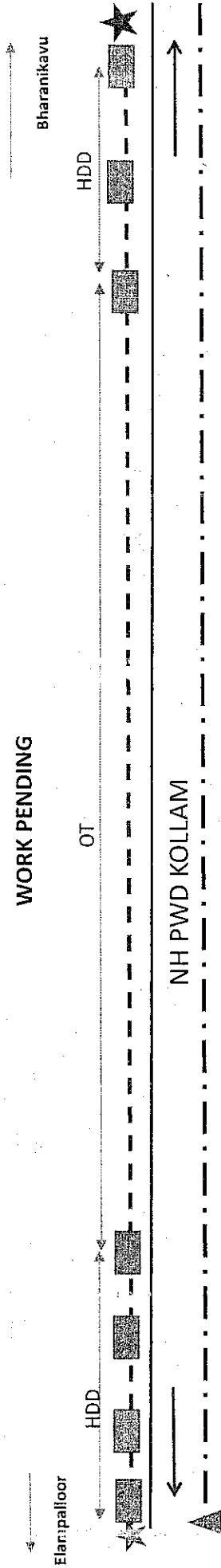
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★	END POINT	—	BRIDGE
—	PROPOSED OFC ROUTE	—	CULVERT
—	ROAD	—	AUTHORITY CHANGE
—	PAVEMENT	—	



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PROPOSED OFC SLD OF ROUTE ELAMPALLOOR-BHARANIKAVU

WORK PENDING



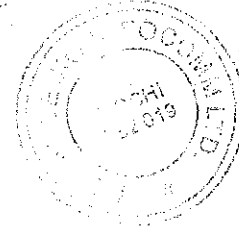
Reliance Jio
Infocomm Limited

For,
Reliance Jio
Infocomm Ltd

100M INTERVAL BETWEEN EACH PIT

Name of Route	ELAMPALLOOR-BHARANIKAVU
Sheet No 3	Reliance Jio Infocomm Limited
Proposed Route	<div> <div>No Of Duct 40mm *2</div> <div>Total- 14.4km</div> <div>Page Total 1.8KM</div> </div>
SUB ROUTE: KOLLAM-THENI HIGHWAY DIST: KOLLAM Authority- NH PWD KOLLAM Along LHS	

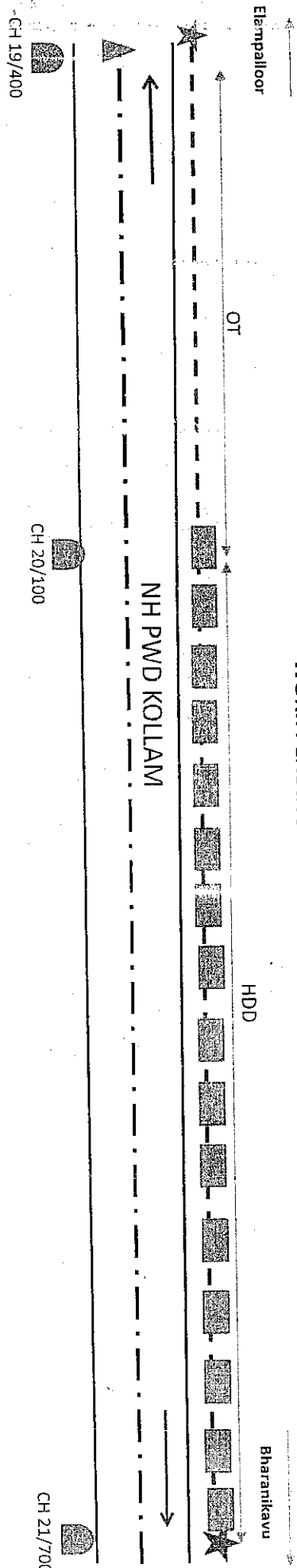
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★	END POINT	—	BRIDGE
—	PROPOSED OFC ROUTE	—	CULVERT
—	ROAD	—	AUTHORITY CHANGE
—	RAILWAY	—	



[Signature]

PROPOSED OFC SLD OF ROUTE ELAMPALLOOR-BHARANIKAVU

WORK PENDING

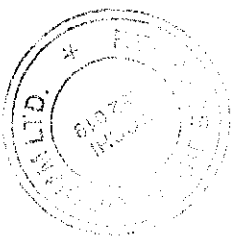


Name of Route	ELAMPALLOOR-BHARANIKAVU		
Sheet No 4	Reliance Jio Infocommlimited		
Proposed Route	DISTRICT DISTRICT DISTRICT		
	No Cf Duct 40mm *2		
SUB ROUTE: KOLLAM-THENI HIGHWAY			
DIST: KOLLAM			
Total- 14.4km			
Page Total 2.3KM			
Authority- NH PWD KOLLAM			
Along LHS			

Reliance Jio
Infocomm Limited
For,
Reliance Jio
Infocomm Ltd

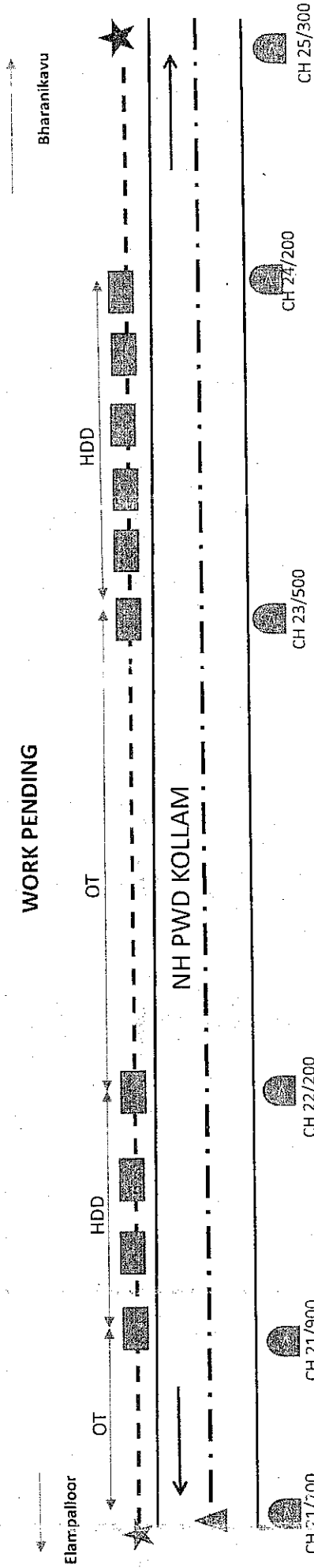
★	START POINT	—	ROAD CENTER LINE
★	END POINT	—	BRIDGE
—	PROPOSED OFC ROUTE	—	CULVERT
—	ROAD	—	AUTHORITY CHANGE
—	RAILWAY	—	


100M INTERVAL BETWEEN EACH PIT



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PROPOSED OFC SLD OF ROUTE ELAMPALLOOR-BHARANIKAVU

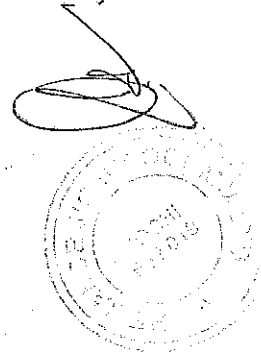



Reliance Jio
 Infocomm Limited
 For,
 Reliance Jio
 Infocomm Ltd

100M INTERVAL BETWEEN EACH PIT

Name of Route	ELAMPALLOOR-BHARANIKAVU	
Sheet No 5	Reliance Jio Infocomm Limited	
Proposed Route		
SUB ROUTE: KOLLAM-THENI HIGHWAY DIST: KOLLAM	Authority- NH PWD KOLLAM Along LHS	No Of Duct 40mm *2
		Total- 14.4km
		Page Total 3.6KM

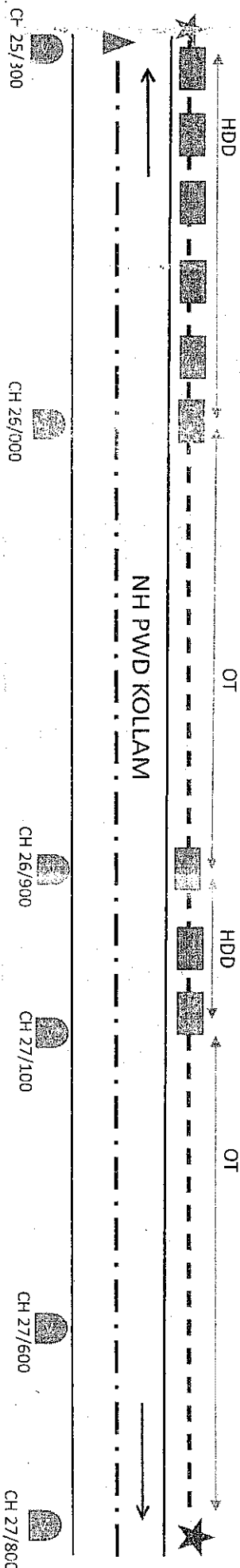
★	START POINT	---	ROAD CENTER LINE
★	END POINT	---	BRIDGE
---	PROPOSED OFC ROUTE	---	CULVERT
---	ROAD	---	AUTHORITY CHANGE
---	RAILWAY	---	



Elarpalloor

WORK PENDING

Bharanikavu



Cr-25/300

CH 26/000

CH 26/900

CH 27/100

CH 27/600

CH 27/800

Reliance Jio
Infocomm Limited

infocomm Limited

For,

Reliance Jio
infocomm Ltd

100M INTERVAL BETWEEN EACH PIT

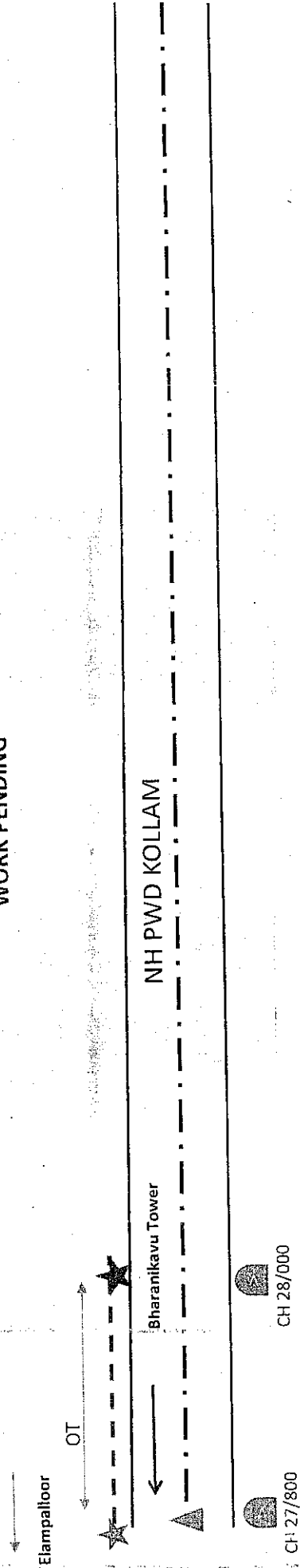
Name of Route	ELAMPALLLOOR-BHARANIKAVU	
Sheet No 5	<i>Reliance Jio Infocomm Limited</i> <small>SECRET SECRET SECRET</small>	
Proposed Route		
	No Of Puct 40mm * 2 Total 14.4km Page Total 2.5KM	
SUB ROUTE: KOLLAM, THENI HIGHWAY DIST: KOLLAM Authority- NH PWD KOLLAM Along LHS		

☆	START POINT	—	ROAD CENTER LINE
☆	END POINT	II	BRIDGE
—	PROPOSED OFC ROUTE	----	CULVERT
—	ROAD	▲	AUTHORITY CHANGE
—	RAILWAY		

RECEIVED
JUN 10 1964
U.S. DEPT. OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D.C.

PROPOSED OFC SLD OF ROUTE ELAMPALLOOR-BHARANIKAVU

WORK PENDING



Reliance Jio
Infocomm Limited

For,
Reliance Jio
Infocomm Ltd

100M INTERVAL BETWEEN EACH PIT



Name of Route	ELAMPALLOOR-BHARANIKAVU		
Sheet No 5	Reliance Jio Infocomm Limited		
Proposed Route			
SUB ROUTE: KOLLAM-THENI HIGHWAY DIST: KOLLAM	Authority- NH PWD KOLLAM Along LHS	No Of Duct 40mm *2	
		Total- 14.4km Page Total 0.2KM	

☆	START POINT	—	ROAD CENTER LINE
★	END POINT	—	BRIDGE
—	PROPOSED OFC ROUTE	—	CULVERT
—	ROAD	—	AUTHORITY CHANGE
—	RAILWAY	—	

