No. RW/TRI/Utility/55/2019-20

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: 27.01.2020

Invitation of public comments

Sub:- Proposal for permission to laying 600 mm and 300 mm DI K9 pipe from Km.108/900 to 110/000(RHS)(Kottayam Collectorate to Kanjikuzhi) on NH 183 By Kerala Water Authority for the part of KIIFB 2016-17 WRD-002-09 in Kottayam district Under NH Division Muvattupuzha in the State of Kerala.

The proposal is seeking permission for laying 600 mm and 300 mm DI K9 Pipe along the road From Km.108/900 to 110/000(RHS)(Kottayam Collectorate to Kanjikuzhi) on NH-183 by Kerala Water Authority, Project Division, Kottayam submitted to this office vide EE, PWD NH division, Muvattupuzha's letter dated 23.12.2019 in accordance with Ministry's latest guidelines dated 22.11.2016.

2. The proposal for laying 600 mm and 300 mm DI K9 Pipe along the road between Km.108/900 and 110/000(RHS) (Kottayam Collectorate to Kanjikuzhi) on NH-183 as under:

Stretch in Km.	Length (Km.)	ROW (m)	Dist. Of Prop. OFC line from centre of NH (m).
RHS			
108/900 to 110/000	1.10 km	11.00 (Avarage)	2.00
NH Crossing			
At Km.109/000	0.20Km	11.00(Avarage)	NA

3. The Executive Engineer, KWA, Project Division, Kottayam has proposed for laying Drinking Water pipe line Using 600mm and 300 mm DI pipe from Km.108/900 to 110/000(RHS) (Kottayam collectorate to Kanjikuzhi) on NH-183 by Open Trench method.

4. The Assistant Executive Engineer, KWA, Project Division, Kottayam 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 the Assistant Executive Engineer, KWA, Project Division, Kottayam that the proposed pipe line work will not affect the design, stability, traffic safety and future improvement of proposed stretch. In addition,

P.T.O

all the undertakings as prescribed in the checklist has been furnished by the Assistant Executive Engineer, KWA, Project Division, Kottaym.

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.

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

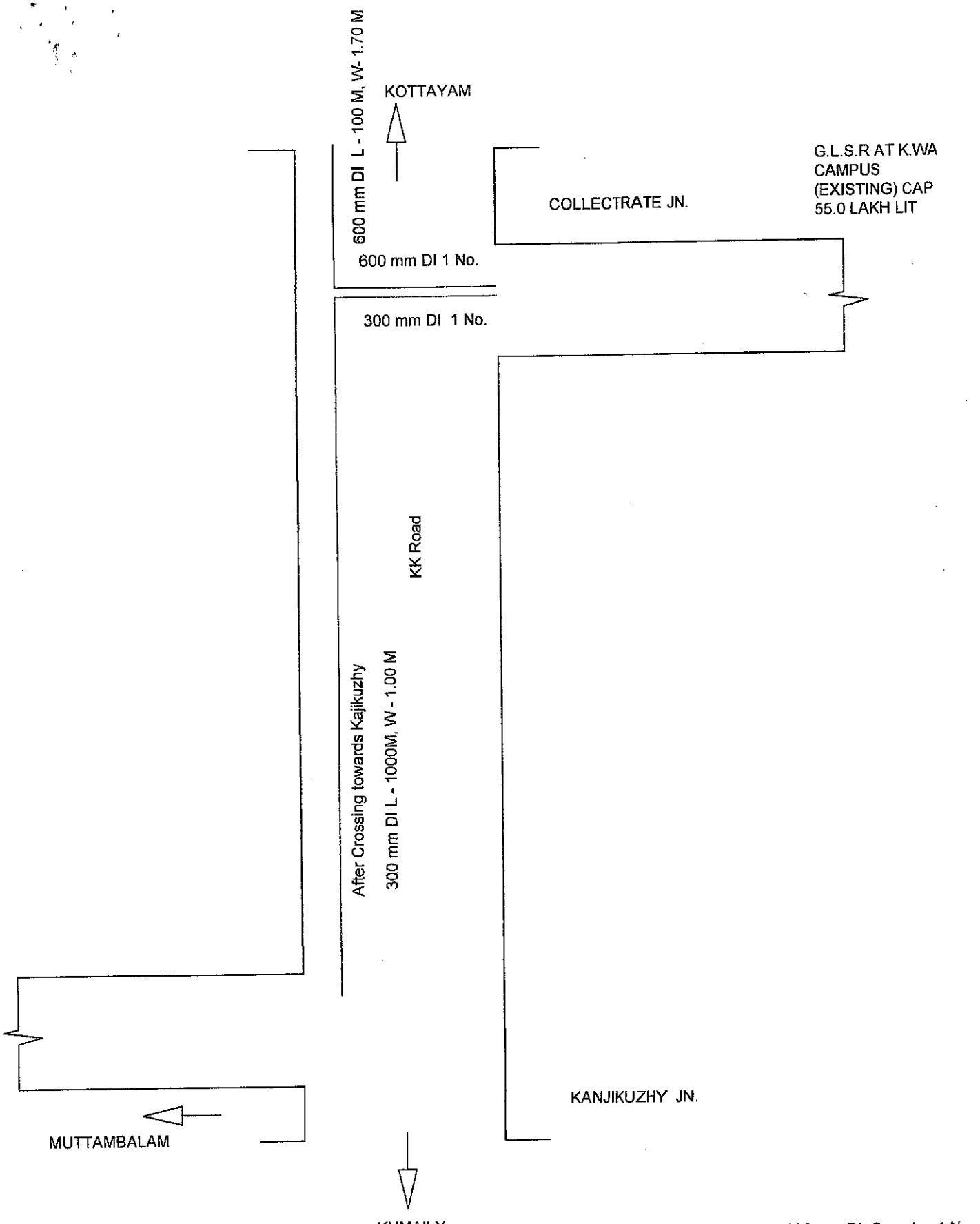
(V.V. Sastry)
Regional Officer cum Highway Administration 22/11/20

Copy to:

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

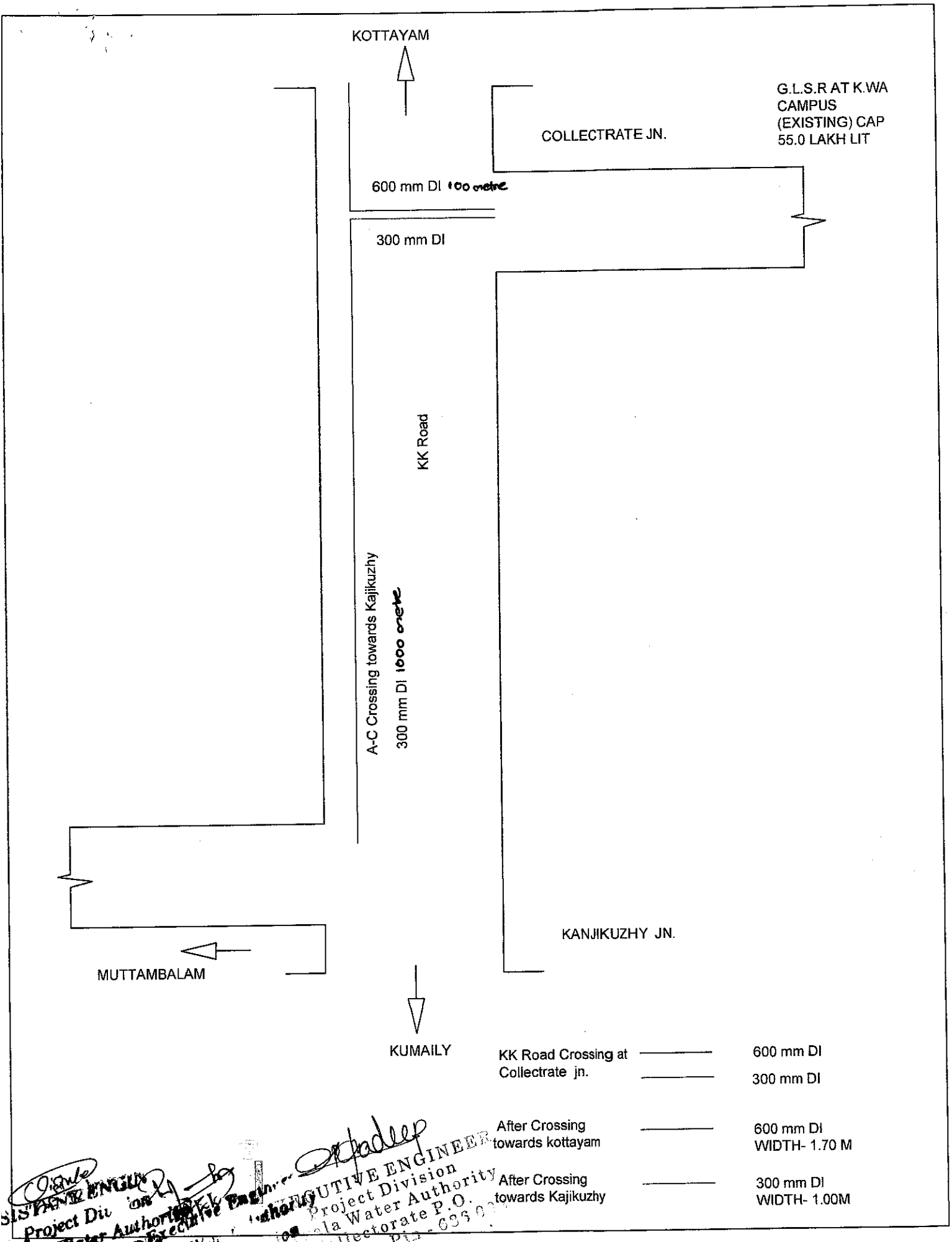
V.V. Sastry

(V.V. Sastry)
Regional Officer cum Highway Administration 27/11/20



KK Road Crossing at Collectrate jn.	———	600 mm DI Crossing 1 No.
	———	300 mm DI Crossing 1 No.
After Crossing towards kottayam	———	600 mm DI L- 100 M , W - 1.70 M
After Crossing towards Kajikuzhy	———	300 mm DI L-1000m, W- 1.00M

EXECUTIVE ENGINEER
Project Division
Water Authority
Collectorate P.O.
Kottayam, Pin



EXECUTIVE ENGINEER
Project Division
Kerala Water Authority
Collectorate P.O.
Kottayam, Pin - 686 002

Project Division
Kerala Water Authority
Kottayam

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-lll/P/66/76 dated 18- 11- 1976
3 .Ministry circular No. RW- NJ-lII/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 for laying 600mm DI K9 pipe and 300mm DI K9 pipe across NH 183 near Kottayam Collectrate at ch. 109/00 km. and laying 300mm DI K9 pipe from Kottayam ch.109/000 km to Kanjikuzhy 110/000 km.	Width of cutting 1.5m
1.1	Name and Address of the applicant/agency	Kerala Water Authority Project Division, Kottayam 04812566444	
1.2	National Highway Number	NH 183	
1.3	State	KERALA	
1.4	Location	Ch. 108/900 to 110/000 km of NH 183	Collectorate Jn. to Kanjikuzhy Jn.

Chainage in Km	Length (km)	ROW (m)	Distance of Proposed Utility from Centre of NH	LHS/RHS
Ch. 108/900 to 110/000 km of NH 183	1.10 K.M	7.00 to 15.00 m	2.00 m	RHS
Ch-109	Crossing 20m	Width 2.00m		Crossing NH 183 (in front of Collectorate)

1.5	Defect Liability Period of last work undertaken in the stretch	Up to 20/05/2020	
1.6	Proposed location of Utility line crossing the NH	At ch. 109/000	Collectorate Jn. (ch.109.00)
1.7	Proposal to acquire land	NA	

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	K.W.A pipe line and OFC cables of various companies	
1.10	Number of existing lanes (2/4/8 lanes)	2 lane	
1.11	Proposed number of lanes (2 lane with paved shoulders/4/6/8 lanes)		
1.12	Service road existing or not if yes, then which side	No	
1.13	Proposed service road	No	
1.14	Whether proposed utility line is after the service road or between the service road and main carriageway	Not applicable	
1.15	Whether carrying of utility line has been proposed on highway bridges if yes then mention the methodology proposed for the same	An ROB is at ch. 109/350 k.m exists.That portion is under the control of Indian Railway	
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	Not applicable	
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 awing the line	Yes	
	(a) whether existing drainage structures are allowed to carry utility line	No	
	(b) Is It on a line normal to NH		
	(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		
	(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**		
	(e) Ends of casing / conduit pipes shall be sealed form outside , so that it does not act as drainage path	Yes	
	(g) The top of the casing /conduit pipe containing the utility services to cross the	1.65 m	

	road shall be at least 1.2 m below the top of the sub grade or the existing ground level whichever is lower, subject to being at least 0.3 m below the drain inverts. Mention the proposed details.		
	(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)	Open trenching. The stretch is in Defect Liability Period (DLP).	
	(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	yes	
2.	Document/drawings to be enclosed with the proposal	yes	
2.1	Cross section showing the size of the trench for open trenching method (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.	Enclosed Pipe used is of 6 Cm and 3 cm Dia. Cable will be laid along the farthest boundary 0.6m Below Ground level with protection	
2.2	Cross section showing the size of the pit and the location of the cable for HDD method	No	
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.	No	
2.4	Methodology for laying of utility line	Open trenching	
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		
	a) Defect Liability Period of the Stretch	Full stretch Up to 20/05/2020	
	b) The trench width should be at least 30cm, but not more than 60cm wider than the outer diameter of the pipe		
	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.	Laying work as per standards only	
	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.	As per standards of Utility laying	
	e) The side fill shall consists of granular material laid in 15 cm layers each 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.	As per standards	
	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.	As per standards	
	g) The excavation shall be protected by flag man, signs and barricades and red lights during night hours.	As per standards	
	h) If required, a diversion shall be constructed at the expense of the agency owing the petroleum line/ underground water conductor system	No Petroleum line in the route	
2.4.2	Horizontal directional drilling (HDD), method	In road Crossing	
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.	Optical Fiber cable laying	

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		
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		
4.1	Confirmation of BG has been obtained or not as per MORTH /NHAI guide lines		
5.	Affidavit /Undertaking form the applicant for the following is to be furnished.		
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.		
5.2	Undertaking for renewal of bank guarantee as and when asked by MORTH /NHAI/PWD		
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		
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		
5.9	Undertaking that the applicant has obtained various safety clearances from the representative authorities such as directorate	Not required	

	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.		
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	Executive Engineer	
	Power of attorney to sign the agreement is available or not	Asst. Exe. Engineer	
7.	Certificate from PWD/NHAI/Executive Engineer, PWD as per the format		

Assistant Executive Engineer
National Highway Sub Division
Kanjirappally

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ദേശീയപാതാ ഉപവിഭാഗം
കാഞ്ഞിരപ്പള്ളി