No. RW/TRI/Utility/41/2019-20
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: 21 .08.2019

Invitation of public comments

Sub:- Proposal for permission to lay 11 KV UG power Cable by KSEB on NH 85 from Km.280/195 to 281/800 (RHS) under NH Division Muvattupuzha in the State of Kerala.

The proposal is seeking permission to laying 11 KV UG Power Cable along the road from Km.280/195 to 281/800 (RHS) on NH-85 (Madura-Kochi road) in the state of Kerala by Kerala State Electricity Board submitted to this office vide Executive Engineer, PWD NH Division, Muvattupuzha's letter dated 23.07.2019 in accordance with Ministry's latest guidelines dated 22.11.2016.

2. The proposal for laying of 11 KV UG Power Cable along the NH from Km.280/195 to 281/800 on NH-85 (Madura-Kochi road) as under:

Stretch in Km.	Length (Km.)	ROW (m)	Dist. Of Prop. Road cutting from centre of NH (m).
RHS Side by Open Trench Method			
From Km 280/195 to 280/715	0.520(Km)	20	9
From Km280/835 to 281/315	0.480 (Km)	20	9
RHS Side by HDD Method			
From Km 281/315 to Km 281/800	0.485(Km)	20	9

3. The Executive Engineer, KSEB, Electrical sub Division, Chottanikara has proposed to lay 11 KV UG Power Cable from Km.280/195 to 281/800 of on NH-85 (Madura-Kochi road) by Open Trench/HDD method.

4. The Executive Engineer, KSEB, Electrical sub Division, Chottanikara has furnished an undertaking that they will shift the UG Power Cable line if required by MoRTH/PWD or any other Highways Authorities within the time frame prescribed by PWD/Highways Authority. Further, it is also mentioned by the Executive Engineer, KSEB, Electrical sub Division, Chottanikara that the proposed 11 KV UG Power Cable laying work 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 the Executive Engineer, KSEB, Electrical sub Division, Chottanikara.

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 21/8/19

(V.V. Sastry)
Regional Officer cum Highway Administration

Copy to:

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

V.V. Sastry 21/8/19

(V.V. Sastry)
Regional Officer cum Highway Administration

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**	Excavation of Power from 66KV GIS Substation Tripunithura – ***Construction 11KV New Feeders*** - Laying of UG Cable, Sanction for road cutting HDD/Open Trench (From Ch. 280/200 to ch.281/800) of NH 85(old 49) by Kerala State Electricity board Limited, Chottanikkara	
1.1	**Name and Address of the applicant/agency**	The Assistant Engineer, Electrical Section, Chottanikkara	
1.2	**National Highway Number**	NH 85	
1.3	**State**	KERALA	
1.4	**Location**	From Railway Overbridge Near SN Junction Tripunithura to Irumpanam Signal Junction and then to Karingachira Jn.	

Chainage in Km	Length (km)	ROW (m)	Distance of Proposed Utility from Centre of NH	LHS/RHS
From Ch. 280/200 to ch.281/800 of NH 85	***Open Trench:- 1 Km*** 280/195 to 280/715 – ***520m*** 280/835 to 281/315 – ***480m*** ***HDD :- 0.485km*** 281/315 to 281/800 – ***485m***	20	9m	~~LHS~~ RHS

1.5	Defect Liability Period of last work undertaken in the stretch	DLP Completed on 14.03.2017
1.6	Proposed location of Utility line crossing the NH	No Crossing by Underground Cable (Crossing proposed by ABC Overhead line at Irumpanam Signal Jn.)

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	KWA, BSNL etc
1.10	Number of existing lanes (2/4/8 lanes)	2 Lane /4 Lane
1.11	Proposed number of lanes (2 lane with paved shoulders/4/6/8 lanes)	2 Lane /4 Lane
1.12	Service road existing or not if yes, then which side	Yes, RHS
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	Nil
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	Nil
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	No Crossing by Underground Cable (Crossing proposed by ABC Overhead line at Irumpanam Signal Jn.)
	(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 Existing Structures
	(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**	N.A
	(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 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.	N.A
	(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)	No Crossing by Underground Cable (Crossing proposed by ABC Overhead line at Irumpanam Signal Jn.)
	(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 The depth of trench will be 1.2m and will be 0.35 m wide Enclosed
2.2	Cross section showing the size of the pit and the location of the cable for HDD method	Enclosed
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.	Enclosed

2.4	Methodology for laying of utility line	By open trenching along shoulder - 1.0KM
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	By HDD along Shoulder - 0.4KM
	a) Defect Liability Period of the Stretch	DLP Completed on 14.03.2017
	b) The trench width should be atleast 30cm, but not more than 60cm wider than the outer diameter of the pipe	Diagram Enclosed
	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.	No
3.	Draft license agreement is submitted along with the proposal	No
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	yes
4.1	Confirmation of BG has been obtained or not as per MORTH /NHAI guide lines	No
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.	Attached
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)	
5.4	Undertaking for indemnity against all damages and claims	
5.5	Undertaking for management of traffic movement during laying of utility line without hampering the traffic	
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.	

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.	
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 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.	Attached
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.	
6.	Who will sign the agreement on behalf of utility line agency Power of attorney to sign the agreement is available or not	KSEB
7.	Certificate from PD NHAI/Executive Engineer, PWD as per the format	Executive Engineer, NH (R) Division Muvattupuzha