



No. RW/TRI/Utility/61/2019-20

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: 17.03.2020

**Invitation of public comments**

Sub:- Proposal regarding permission for road cutting for laying 11 KV XLPE UG Cable by KSEB from KSEBL Tapping point (Km.286/300) to KNA Plaza (Km.286/535) (RHS) on NH 85 under NH Division Muvattupuzha in the State of Kerala.

The proposal is seeking permission for laying 11 KV XLPE UG Cable along the road From Km.286/300(KSEB Taping Point) to Km.286/535(KNA Plaza (RHS)on NH-85 by Kerala State Electricity Board Limited submitted to this office vide EE, PWD NH Division, Muvattupuzha's letter dated 05.02.2020 in accordance with Ministry's latest guidelines dated 22.11.2016.

2. The proposal for laying 11 KV XLPE UG Cable along the road from Km.286/300(KSEB Taping Point) to Km.286/535(KNA Plaza) (RHS) on NH-85 as under:

Stretch in Km.	Length (Km.)	ROW (m)	Dist. Of Prop. Road cutting from centre of NH (m).
RHS (Open Trench Method)			
From Km 286/300 to Km.286/535	0.235	24	12.00

3. The Assistant Engineer, KSEB Limited, Maradu has proposed for laying 11 KV XLPE UG Cable from Km.286/300(KSEB Taping Point) to Km.286/535(KNA Plaza) (RHS) on NH-85 by Open Trench method.

4. The Assistant Engineer, KSEB Limited has furnished an undertaking that, they will shift the utility at their own cost if required for expansion of reach by MORTH/ PWD or any other Highways authorities within the time frame prescribed by MORTH/ PWD. Further, it is also mentioned by the Assistant Engineer, KSEB Limited, Maradu that the proposed 11 KV XLPE UG 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 Assistant Engineer, KSEB limited, Maradu.

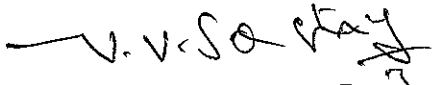
5. As per the guidelines issued by the Ministry vide letter No.RW/NH-33044/29/2015/S&R (R) dated 22.11.2016, the application will be made available for public comments and the comments will be invited within 30 days from the date of uploading in the Ministry's web site.

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) 17/3/20

Regional Officer cum Highway Administration

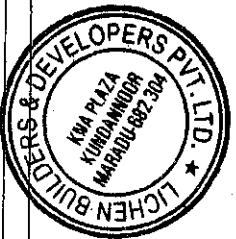
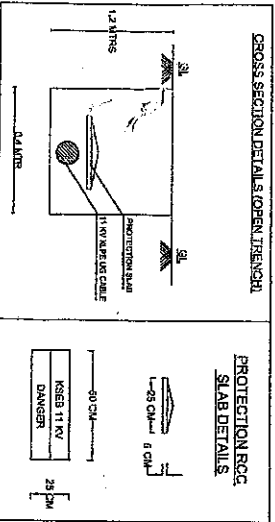
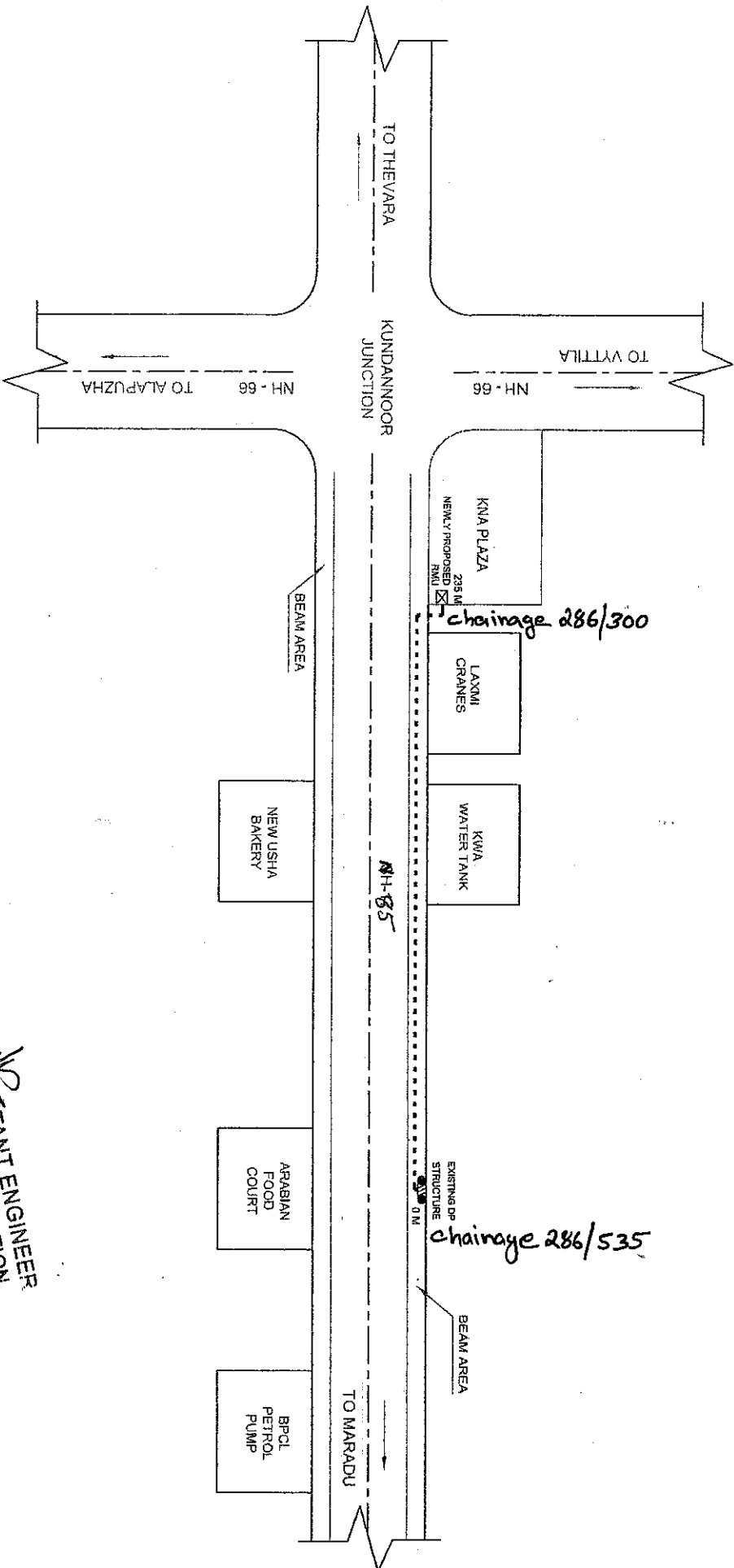
Copy to:-

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) 17/3/20

Regional Officer cum Highway Administration

LAYING OF 3CX300 SQ MM XLPE 11 KV UG CABLE FROM EXISTING DOUBLE POLE STRUCTURE TO NEWLY PROPOSED RMU  
AT KNA PLAZA, KUNDANNOOR BY OPEN TRENCH METHOD.



*[Signature]*  
ASSISTANT ENGINEER  
ELECTRICAL SECTION  
KSEB LTD.  
MARADU

PROJECT:		CABLE LENGTH DETAILS	
LAYING OF 3CX300 SQ MM XLPE 11 KV UG CABLE FROM EXISTING DOUBLE POLE STRUCTURE TO NEWLY PROPOSED RMU AT KNA PLAZA, KUNDANNOOR BY OPEN TRENCH METHOD.		TOTAL CABLE LENGTH - 250 MTRS. TOTAL ROUTE LENGTH - 255 MTRS.	

REV.			
1	PROPOSED 11 KV UG CABLE	---	11
2	NEWLY PROPOSED RMU	---	01
3	EXISTING DP STRUCTURE	---	MTRS.

SHEET  
DWG NO  
SCALE

## CHECK LIST

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

Relevant circulars

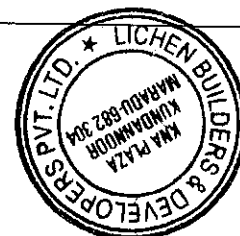
1. Ministry circular No. NH-41(58)/68 dated 31-01-1969
2. Ministry circular No. NH-III/P/66/76 dated 18-11-1976
3. Ministry circular No. RW- NJ-III/P/66/76 dated 01-05-1982
4. Ministry circular No. RW/NH-11037/1/86-DOi(II) dated 28-07-1993
5. Ministry circular No. RW/NH-11037/1/86-DOi dated 19-01-1995
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.	<b>General Information</b>			Laying of UG Cable, Sanction for road cutting Open Trench (From Ch. 286/300 to ch.286/535) of NH 85(old 49) by Kerala State Electricity board Limited, Maradu.	
1.1	<b>Name and Address of the applicant/agency</b>			Sivaraman Menon Kadekuzhi, Narayanikunj, kundannoor, Maradu-682304	
1.2	<b>National Highway Number</b>			NH 85	
1.3	<b>State</b>			KERALA	
1.4	<b>Location</b>			From kundannoor junction bus stop to Near OH water tank	
	Chainage in Km	Length (km)	ROW (m)	Distance of Proposed Utility from Centre of NH	LHS/RHS
	From Ch. 286/300 to ch.286/535 of NH 85	0.235	24	12m	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	
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	
1.11	Proposed number of lanes (2 lane with paved shoulders/4/6/8 lanes)			2 Lane	

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ASSISTANT ENGINEER  
ELECTRICAL SECTION  
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*Ar. Aravind*

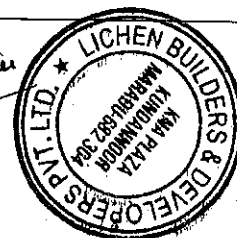




	proposed details.	
	(h) Mention the methodology proposed for the crossing of road for the proposed utility line. Crossing shall be by boring method (HDD) (trenchless technology). where the stretch is in Defect Liability Period (DLP)	No Crossing by Underground Cable
	(i) the casing / conduit pipe shall 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	<p>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)</p> <ol style="list-style-type: none"> <li>1. Should not be greater than 60cm wider than the outer diameter of the pipe.</li> <li>2. Located as close to the extreme edge of the right of way as possible.</li> <li>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.</li> <li>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.</li> </ol>	<p>Enclosed</p> <p>The depth of trench will be 1.2m and will be 0.4m wide</p> <p>Enclosed</p>
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
2.4.1	Open trenching method ( Open trenching in Bituminous surface will	

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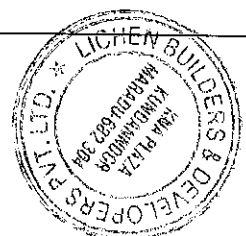
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	be allowed in the utility corridor only where road is not under Defect liability Period, with proper justification for not using HDD) If yes, what is the methodology for refilling the trench	
	a) Defect Liability Period of the Stretch	DLP Completed 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	As per standards

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*Signature*



	and barricades and red lights during night hours.	
	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	

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 ASSISTANT ENGINEER  
 ELECTRICAL SECTION  
 KSEB LTD.  
 MARADU


*Sanjay*

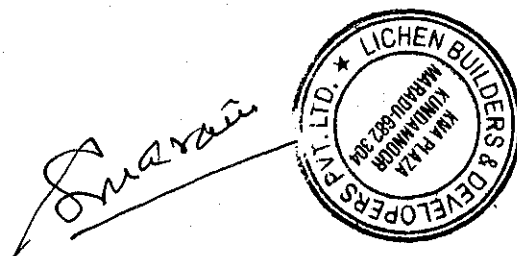




5.5	Undertaking for management of traffic movement during laying of utility line without hampering the traffic	
5.6	Undertaking that prior approval of the MoRTH/NHAI/PWD shall be obtained before undertaking any work for installation, shifting or repairs or alterations to the utility line located in the 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.	
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 agencyPower of attorney to sign the agreement is available or not	PARTY/KSEB
7.	Certificate from PD NHAI/Executive Engineer, PWD as per the format	Executive Engineer, NH (R) Division Muvattupuzha

### CERTIFICATE

  
 ASSISTANT ENGINEER  
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1. Undersigned has examined the proposal of the applicant for laying of UG cable by KSEB from 286/300 to 286/535 RHS of NH 85(old 49) and confirm that the all standard conditions issued vide Ministry circular No: RW/NH-33044/29/2015/S&(R) dated 31.01.202 has been followed.
2. It is certified that, the proposal submitted by the applicant is for granting permission for laying of utility on NH stretch entrusted to NH Wing of PWD/NHAI.
3. 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 & traffic safety of the highway nor the likely future improvement such as widening of the carriageway ,easing of curve etc.
4. 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.
5. I will notify/forfeit the BG for claims for damages done/disruption in working , if any.
6. I will ensure that proposed permission is entered in the register of records
7. The record of previous approval, if any has been considered and copy of same is enclosed with the proposal.

*[Signature]*



*[Signature]*  
 ASSISTANT ENGINEER  
 ELECTRICAL SECTION  
 KSEB LTD.  
 MARADU 7

[Name Designation and  
 signature of concerned  
 field authority of  
 NHAI/PWD]

*[Signature]*  
 ASSISTANT ENGINEER No: 111  
 NATIONAL HIGHWAY (R)  
 SUB DIVISION, ERNAKULAM  
 EDAPPALLY, KOCHI - 24

*[Signature]*  
 ASSISTANT EXECUTIVE ENGINEER  
 NATIONAL HIGHWAY (R)  
 SUB DIVISION, ERNAKULAM  
 EDAPPALLY, KOCHI - 24