

Government of India

Ministry of Road Transport & Highways
(Chief Engineer - Regional Office, Lucknow)

N.H. Bhawan, Biotech Chowk, Lucknow Ring Road, Vikas Nagar, Lucknow - 226 022

Ph.: (0522) - 2967112, 2738226 (Tele-Fax)

E-mail: rolkorth@gmail.com

Dated: 26.06.2020

Invitation of public comments

Sub.: Permission for laying of Underground Cable under IPDS Scheme between Atulanand Tiraha & Ambedkar Chauraha via Bhojubeer on NH- 31 (56) - Reg.

1. The Executive Engineer, Urban Electricity Construction Division II, Purvanchal Vidyut Vitran Nigam Limited, Sigra, Varanasi has submitted the proposal for laying of Underground Cable under IPDS Scheme between Atulanand Tiraha & Ambedkar Chauraha via Bhojubeer i.e. from km 277.600 to km 279.932 on NH- 31 (56) in the State of UP, to the Superintending Engineer & Project Director, MoRT&H, PIU Prayagraj, for their consideration.

2. As per the guidelines, issued by the Ministry vide OM No.RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, the application 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).

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

The Chief Engineer - Regional Officer,
Ministry of Road Transport & Highways,
N.H. Bhawan, Biotech Chowk, Lucknow Ring Road,
Vikas Nagar, Lucknow - 226 022.

Encl.: As above

Yours faithfully,




(Ruchir Agarwal)

Assistant Executive Engineer
for Chief Engineer-Regional Officer

Copy to:

- i. NIC, New Delhi - for uploading on the Ministry's website.
- ii. The Executive Engineer, UECD-II, PVVNL, Sigra, Varanasi (email: uecd2vns@gmail.com) .



(Ruchir Agarwal)

Assistant Executive Engineer
for Chief Engineer-Regional Officer

CHECK LIST

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

Ministry Circular No. RW-NH-33044/29/2015/S&R (R) dated-22.11.2016


SL No.	ITEM	Information/Status	Remarks
1.	General information	Permission for proposed laying of PuVVNL's 160 mm dia HDPE Pipe with XLPE cable along the NH-31 (old NH-56) from Km. 277.600 (Near Sant Atulanand Convent School) to Km 279.932 (Near Ambedkar Chowk) including road crossing at 06 (Six) locations for execution of conversion of HT/LT overhead line to under grounding, erection of distribution transformer and electrical connection of consumer from overhead to underground and other associated construction work under IPDS Project, Varanasi City. Approx Length is 4396meter.	
1.1	Name and address of Applicant/Agency	EXECUTIVE ENGINEER, Urban Electricity Construction Division-II Sigra-Varanasi	
1.2	National Highway Number	NH-31(old NH-56)	
1.3	State	UTTAR PRADESH	
1.4	Location	Sant Atulanand Convent School to Ambedkar Chauraha.	
1.5	Chainage in Km	From Ch. 277.600 to ch 279.932 of NH-31/ 56	
1.6	Length in Meter	4396	
1.7	Width of ROW	Varying width-30m to 11m	
	(a) Left Side from center line towards increasing chainage / KM direction	5 to 15 Meter	
	(b) Right side from center line towards increasing chainage / KM direction	5 to 15 Meter	
	Proposal to Lay the cable	As per Drawing attached	
	(a) Left Side from center line towards increasing chainage / KM direction	From Ch. 277.600 to ch 279.900	
	(b) Right side from center line towards increasing chainage / KM direction	From Ch. 277.600 to ch 279.932	
1.9	Defect Liability period of last work undertaken in the stretch	NA	
1.10	Proposed location of Utility line crossing the NH	Shown in Drawing	


Executive Engineer
Ministry of Road Transport & Highways
PIU, Prayagraj

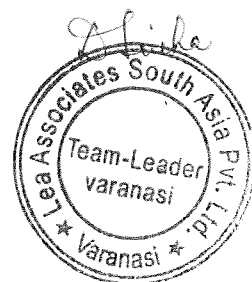
EXECUTIVE ENGINEER
URBAN ELECTRICITY CONSTRUCTION
DIVISION II
UPPCL, SIGRA, VARANASI




SL No.	ITEM	Information/Status	Remarks
1.11	Proposal to acquire land	NA	
1.12	Whether proposal is in the same side where land is not to be acquired	NA	
1.13	Details of already laid services, if any along the proposed route	Details not available	
1.14	Number of existing lanes (2/4/8 Lanes)	2 to 4 Lane	
1.15	Proposed number of lanes (2 Lane with paved shoulders /4/6/8 lanes)	NA	
1.16	Service road existing or not if yes, then which side	NO	
1.17	Proposed service road	NO	
1.18	Whether proposed utility line is after the service road or between the service road and main carriageway	Utility Line is within main Carriage way & Paver Block in Shoulders.	
1.19	Whether carrying of utility line has been proposed on the highway bridges if yes then mention the methodology proposed for the same	NO	
1.2	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	
1.21	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 owning the line	Crossing shall be done with HDPE Pipe	
	(a) whether existing drainage structures are allowed to carry utility line	NO	
	(b) is it on a line normal to NH	NO	
	(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	N/A	
	(d) the casing pipe {or conduit pipe in the case of electric cables} carrying the utility line shall be of steel, Cast iron or reinforced cement concrete or have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/ cable. Mention type of casing.	HDPE Pipe Shall be used for carrying utility line.	
	(e) Ends of casing/conduit pipes shall be sealed from 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.	The top of HDPE pipe crossing the road is 1.2 m below road level/existing ground level.	



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 Ministry of Road Transport & Highways
 RNU, Prayagraj



SL No.	ITEM	Information/Status	Remarks
	(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.	Yes	
2.	Document / Drawings to be enclosed with the proposal	Enclosed	
2.1	Cross section showing the size of the trench for open trenching method (Is it normal size of 1.2m 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	Normal size of 1.5 m deep x 1.0m wide along the road and the top of pipe will be 0.95m (minimum) below the road level.	
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 pipeline from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Enclosed	
2.4	Methodology for laying of utility line	HDD method for road crossing and open trench method along the road for laying utility line.	
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	Methodology attached	
	a) Defect Liability period of the stretch	Up to 14.12.2022	
	b) The trench width should be at least 30cm, but not more than 60cm wider than the outer diameter of the pipe.	Yes	
	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 material.	Yes	
	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.	Yes	



 Executive Engineer
 Ministry of Road Transport & Highways
 PIU, Prayagraj

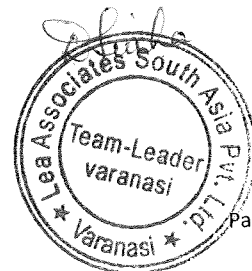

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SL No.	ITEM	Information/Status	Remarks
	e) The side fill shall consists of granular material laid in 15cm layers each consolidated by mechanical tempering and controlled addition of moisture to 95% of the proctors density. Over fill shall be compacted to the same density as the material that has been removed. Consolidation by saturation or ponding will not be permitted.	Yes	
	f) The road crust shall be built to the same strength as the existing crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench.	Yes	
	g) The excavation shall be protected by flag man, signs and barricades as red lights during night hours.	Yes	
	h) If required, a diversion shall be constructed at the expense of the agency owing the petroleum line/ underground water conductor system.	NA	
2.4.2	Horizontal directional drilling (HDD) method	Yes, for 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.	NA	
3.	Draft license agreement is submitted along with the proposal	Enclosed	
3.1	The license fee estimate as per ministry's guidelines issued vide circular number RW/NH-33044/29/2015/S&R {R} dated 22.11.2016	Not Enclosed	
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	Not Enclosed	
4.1	Confirmation of BG has been obtained or not as per MORTH / NHAI guidelines	No	
5.	Affidavit/Undertaking from the applicant for the following is to be furnished.		
5.1	Undertake for not to damage to other utility , If damaged then to pay the losses either to NHAI or to the concerned agency.	Enclosed	
5.2	Undertaking for renewal of bank guarantee as and when asked by MORTH/NHAI/PWD	Enclosed	
5.3	Undertaking for confirming all standard conditions of MORTH's Circular number RW/NH-33044/29/2015/S&R{R}	Enclosed	
5.4	Undertaking for indemnity against all damages and claims	Enclosed	
5.5	Undertaking for management of traffic movement during laying of utility line without hampering the traffic	Enclosed	



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 PIU, Prayagraj

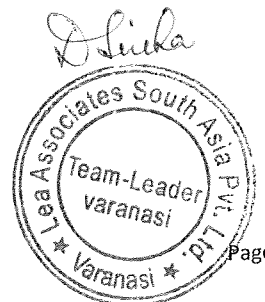

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SL No.	ITEM	Information/Status	Remarks
5.6	Undertaking that if any claim is raised by the Conssionaire/Contractor then the same has to be paid by the applicant.	Enclosed	
5.7	Undertaking that expenditure, if any, incurred by PWD/MORTH/NHAI for the 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.	Enclosed	
5.8	Undertaking that expenditure, if any, incurred by the MORTH/NHAI by repairing any damage caused to the NH by laying or maintenance of shifting of the utility line will be borne by the applicant agency owing the line.	Enclosed	
5.9	Undertaking that text of the License deed is as per verbatim of MORTH format issued Vide Ministry's Circular No: RW/NH-3304/29/2015/S&R® Dated 22-11.2016	Enclosed	
5.10	Undertaking that the applicant has obtained various safety clearances from the representative authorities such as directorate of electricity, Chief controller of explosivs, 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.	N.A	
5.11	If the MORTH/NHAI considers 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 agency owing the utility line with in a reasonable time (not exceeding 60 days) of the intimation given by the MORTH.	Enclosed	
5.12	Certificate from the applicant in the following format	Enclosed	
	i) Laying if IFC/GAS pipeline will have any deleterious effects on any of the bridge components and roadway safety for traffic		
	ii) " we do undertake that I/ we will relocate service road /approach road/utilities at my/ own cost not withstanding the permission granted within such time as will be stipulated by MORTH" for future six laning or any other development.		
	Who will sign the agreement on behalf of utility line agency power of attorney to sign the agreement is available or not.	Executive Engineer, PuVVNL	
7.	Certificate from PD NHAI/Executive Engineer, PWD as per the format.	Project Director , MoRT&H, Prayagraj	


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ROUTE NO- 03 (SANT ATULANAND TO BHOJUBIR TIRAHA)

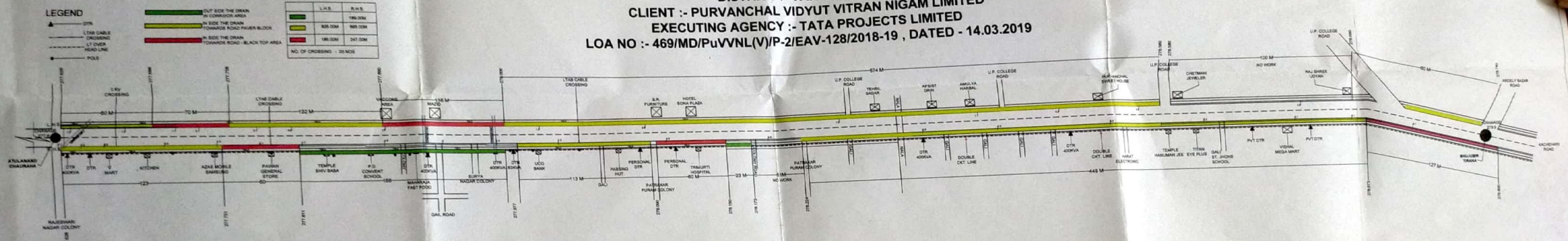
PROJECT :- IPDS

DISTRICT :- VARANASI (U.P)

DISTRICT :- VARANASI (U.P)
CLIENT :- PURVANCHAL VIDYUT VITRAN NIGAM LIMITED
AGENCY :- TATA PROJECTS LIMITED

EXECUTING AGENCY :- TATA PROJECTS LIMITED

EXECUTING AGENCY :- TATA PROJECTS LIMITED
LOA NO :- 469/MD/PuVVNL(V)/P-2/EAV-128/2018-19 , DATED - 14.03.2019



DRAWING NOT IN SCALE



Executive Engineer
Urban Electricity Construction Division-2
Siga, Varanasi



Executive Engineer
Ministry of Road Transport & Highways
PIU, Prayagraj

R.No:- 03

ROUTE NO- 05 (BHOJUBIR TIRAHA TO KACHARI CHAURAHA VIA CIRCUIT HOUSE)

PROJECT :- IPDS

DISTRICT :- VARANASI (U.P)

CLIENT :- PURVANCHAL VIDYUT VITRAN NIGAM LIMITED

EXECUTING AGENCY :- TATA PROJECTS LIMITED

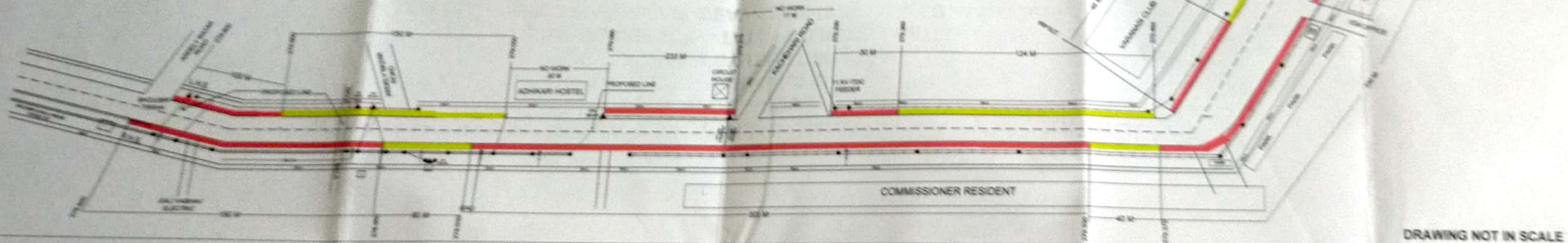
LOA NO :- 469/MD/PuVVNL(V)/P-2/EAV-128/2018-19 , DATED - 14.03.2019

LEGEND

- LINE
- UT-CABLE CROSSING
- UT-CABLE
- WIND LINE
- POLE

- CUT BACK THE DRAIN TO CORNER AREA
- IN BACK THE DRAIN TO CORNER AREA
- IN BACK THE DRAIN TO CORNER AREA

LINE	WALL
300 MM	300 MM
300 MM	300 MM
300 MM	300 MM
300 MM	300 MM



DRAWING NOT IN SCALE



Executive Engineer
Varanasi



Executive Engineer
Varanasi

10/10/19