भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
प0 क0 ई0 कन्नौज
प्राप्ति संख्या 9258
प्राप्ति दिनांक 08/02/2023

#urgent
SE-I
Examine and put up in case 7 issue talk to concerned

कार्यालय अधिशासी अभियन्ता
दक्षिणांचल विद्युत वितरण निगम लिमिटेड
विद्युत वितरण खण्ड
कन्नौज।
Mob No. 9415909701
Email- xeneddkannauj@gmail.com

पत्रांकः 506 /वि.वि.ख.(क) दिनांक 08. 02.2023
विषयः जनपद कन्नौज में कृषि पोषक विभाजन कार्य हेतु कार्यदायी संस्था द्वारा राष्ट्रीय राजमार्ग संख्या-91 (न्यू0 राष्ट्रीय राजमार्ग सं0 34) अलीगढ-कानपुर सेक्शन पर रोड क्रासिंग संख्या किमी 315.415, 315.690, 317.440, 319.090, 320.600, 323.420, 324.310, 325.130, 326.910, 328.900, 330.843 व 363.100 किमी पर विद्युत केबिल/एच0डी0पी0ई0 पाईप डालने हेतु अनुमति प्रदान करने के सम्बन्ध में।

09/02

परियोजना निदेशक,
भारतीय राष्ट्रीय राजमार्ग अभिकरण,
पत्रकारपुरम इन्दिरा नगर रोड,
मुखर्जी बिहार कानपुर यूनीवर्सिटी,
कानपुर।

उपरोक्त विषयक आप कार्यदायी संस्था लारसेन एण्ड टर्बो लि0 के पत्रांक LTCD/PT & D-UPD/DVVNL/ADB/FSP/742 दिनांक 01.02.2023 का सन्दर्भ ग्रहण करने का कष्ट करें, जिसके द्वारा जनपद कन्नौज में कृषि पोषक विभाजन कार्य हेतु कार्यदायी संस्था लारसेन एण्ड टर्बो लि0(एल0 एण्ड टी0) द्वारा राष्ट्रीय राजमार्ग संख्या-91 (न्यू0 राष्ट्रीय राजमार्ग सं0 34) अलीगढ-कानपुर सेक्शन पर रोड क्रासिंग संख्या किमी 315.415, 315.690, 317.440, 319.090, 320.600, 323.420, 324.310, 325.130, 326.910, 328.900, 330.843 व 363.100 किमी पर विद्युत केबिल/एच0डी0पी0ई0 पाईप हेतु कुल 12 अदद् क्रासिंगो का प्रस्ताव प्रेषित किया गया था, किन्तु वर्तमान में Route Diversion के कारण विद्युत उपकेन्द्र छिबरामऊ द्वितीय से निर्गत 11 केवी फीडर दीपकपुर व विद्युत उपकेन्द्र सिकन्दरपुर से निर्गत 11 केवी फीडर दीपकपुर से 07 अदद् क्रासिंग संख्या 323420, 325.130, 315.415, 315.690, 317.440, 319.090, व 320.600 की आवश्यकता नही है।

अतः कार्यदायी संस्था द्वारा कुल 05 अदद् क्रासिग संख्या 363.100, 328.900, 330.843, 324.310 व 326.910 पर विद्युत केबिल/एच0डी0पी0ई0 पाईप डालने हेतु अनुमति प्रदान करने हेतु लाइसेन्स फीस का कैलकुलेशन पत्र के साथ संलग्न कर पुनः प्रेषित है कि आप उक्त कार्य हेतु राष्ट्रीय राजमार्ग संख्या-91 (न्यू0 राष्ट्रीय राजमार्ग सं0 34) अलीगढ-कानपुर सेक्शन पर संशोधित 05 अदद् रोड क्रासिंग संख्याओं पर विद्युत केबिल/एच0डी0पी0ई0 पाईप डालने हेतु अनुमति प्रदान करने हेतु अग्रिम आवश्यक कार्यवाही करने का कष्ट करें, जिससे उपरोक्त कार्य को यथाशीघ्र पूर्ण कराया जा सके।

(शादाब अहमद)
अधिशासी अभियन्ता

पत्रांकः /वि.वि.ख.(क) दिनांक 02.2023
प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।
1 मुख्य अभियन्ता (वितरण), कानपुर क्षेत्र कानपुर।
2 अधीक्षण अभियन्ता विद्युत वितरण मण्डल, कन्नौज।
3 प्रतिनिधि कार्यदायी संस्था एल0 एण्ड टी0, लि0 जनपद कन्नौज।

(शादाब अहमद)
अधिशासी अभियन्ता

CHECK - LIST

Guidelines for processing the proposal for laying electrical cable/HDPE Pipe accross National Highways vested with NHAI/PIU/KNP.

Relevant Circulars

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

Check list for getting approvel for laying of Electrical Cables/HDPE Pipe at NH-91 (New NH-34) land.

S.No.	Item	Information/Status	Remarks
1	General Information	Work under New 11 KV Feeder for Separation of Agriculture Consumer and Associated work Kanpur Zone (Kanpur Nagar & Kannauj District) Project	
1.1	Name and Address of the Applicant/Agency	**Executive Engineer,** Dakshinanchal Vidyut Vitran Nigam Limited, Makrand Nagar, Kannauj, Uttar Pradesh 209726	
1.2	National Highway Number	**NH-91 (New NH-34)**	
1.3	State	Uttar Pradesh	
1.4	Location	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at NH-91 (New NH-34) Road crossings at Km. 328.900, at Km. 330.843, at Km.326.910, at Km. 324.310 & at Km. 363.100, on Aligarh-Kanpur Section.	
1.5	(Chainage in Km)	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at NH-91 (New NH-34) Road crossings at Km. 328.900, at Km. 330.843, at Km.326.910, at Km. 324.310 & at Km. 363.100, on Aligarh-Kanpur Section.	
1.6	Length in Meters	(60 Mtr. x 2 Run) x 5 nos = 600 Mtrs. (NH-91 (New NH-34))	
1.7	Width of available ROW		
	(a) Left side from center line to tower towards increasing chainage/Km direction	**At NH-91 (New NH-34)** **1. At chainage 324.310** 30 Mtr. From center of road (As per drawing attached) **2. At chainage 326.910** 30 Mtr. From center of road (As per drawing attached) **3. At chainage 328.900** 30 Mtr. From center of road (As per drawing attached) **4. At chainage 330.843** 30 Mtr. From center of road (As per drawing attached) **5. At chainage 363.100** 30 Mtr. From center of road (As per drawing attached)	

परियोजना निदेशक
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
परियोजना कार्यान्वयन इकाई-कन्नौज

L&T Construction ★ ADB DVVNL Kanpur Zone ★

अधिशासी अभियन्ता
दक्षिणांचल विद्युत वितरण निगम लि०
विद्युत वितरण खण्ड, कन्नौज

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(सड़क परिवहन और राजमार्ग मंत्रालय)
(Ministry of Road Transport & Highways)

Site Engineer
National Highways Authority of India
Project Implementation Unit- Kannauj

S.No.	Item	Information/Status	Remarks
	(b) Right side from center line to tower increasing chainage/Km direction	**At NH-91 (New NH-34)** **1. At chainage 324.310** 30 Mtr. From center of road (As per drawing attached) **2. At chainage 326.910** 30 Mtr. From center of road (As per drawing attached) **3. At chainage 328.900** 30 Mtr. From center of road (As per drawing attached) **4. At chainage 330.843** 30 Mtr. From center of road (As per drawing attached) **5. At chainage 363.100** 30 Mtr. From center of road (As per drawing attached)	
1.8	Proposal to lay the cables	UG Electrical cable / HDPE Pipe	
	(a) Left side from center line towards increasing chainage/Km direction	**At NH-91 (New NH-34)** **1. At chainage 324.310** 30 Mtr. From center of road (As per drawing attached) **2. At chainage 326.910** 30 Mtr. From center of road (As per drawing attached) **3. At chainage 328.900** 30 Mtr. From center of road (As per drawing attached) **4. At chainage 330.843** 30 Mtr. From center of road (As per drawing attached) **5. At chainage 363.100** 30 Mtr. From center of road (As per drawing attached)	
	(b) Right side from center line towards increasing chainage/Km direction	**At NH-91 (New NH-34)** **1. At chainage 324.310** 30 Mtr. From center of road (As per drawing attached) **2. At chainage 326.910** 30 Mtr. From center of road (As per drawing attached) **3. At chainage 328.900** 30 Mtr. From center of road (As per drawing attached) **4. At chainage 330.843** 30 Mtr. From center of road (As per drawing attached) **5. At chainage 363.100** 30 Mtr. From center of road (As per drawing attached)	
1.9	Proposal to acquire land	No	
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	

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दक्षिणांचल विद्युत वितरण निगम लि०
विद्युत वितरण खण्ड, कन्नौज

परियोजना निदेशक
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
परियोज॰ कार्यान्वयन इका॰ -कन्नौज

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Project Implementation Unit- Kannauj

S.No.	Item	Information/Status	Remarks
1.10	Whether proposal is in the same side where land is not to be acquired	No land acquisition required	
	If not then where to lay the cable	Crossing at main carriageway (Below Road)	
1.11	Details of already laid services, if any, along the proposed route	At NH-91 (New NH-34)	
1.12	Number of existing lanes (2/4/6/8 Lanes)	NH-91 (New NH-34) - 2 Lane	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	NA	
1.14	Service road existing or not	No	
	If yes then which side (a) Left side from center line	NA	
	(b) Right side from Center line	NA	
1.15	Proposed Service road	NA	
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.16	Whether proposal to laying UG-Electrical Cable line is afler the service road or between the service road and main carriageway	Crossing at main carriageway (Below Road)	
1.17	Whether carrying of sewage/gas pipe line has been propsoed on highway Bridges. If Yes, the mention the methodology	NA	
1.18	Whether carrying of sewage/gas pipe line has been propsoed on parapet/any part of the bridges. If Yes, the mention the methodology	NA	
1.19	If crossings of the road involved If Yes, it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expenses of the agency owning the line.	YES Electrical cable will be laid in 160mm HDPE Pipe with HDD method for crossing	
	a) Whether existing drainage structure allowed to carry utility pipeline.	NA	
	b} Is it on a line normal to NH	YES	
	c) What is the distance of crossing the utility pipelines from the existing structures. Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.	As per NHAI Norms	
	d) The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe / cable.	HDPE Pipe 160mm Dia	
	e) Ends of the casing / conduit pipe / tower foundation shall be sealed from the outside, so that it does not act as a drainage path.	YES	
	f) The casing / conduit pipe should, as minimum extend from drain to dain in cuts and toe of slop toe of slope in the fills.	YES	

L&T Constructions ADB DVVNL Kanpur Zone

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(Ministry of Road Transport & Highways)

अधिशासी अभियन्ता
दक्षिणांचल विद्युत वितरण निगम लि०
विद्युत वितरण खण्ड, कन्नौज

परियोजना निदेशक
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
परियोजना कार्यान्वयन इकाई-कन्नौज

Site Engineer
National Highways Authority of India
Project Implementation Unit- Kannauj

S.No.	Item	Information/Status	Remarks
	g) The top of the casing/conduit pipe / tower foundation should be at least 1.2 meter below the surface of the road subject to bring atleast 0.3 m below the drain inverts.	YES	
	h) Mention the methodology propseod for crossing of road for the proposed UG electrical cable. Crossing shall be by boring method (HDD) specially wriere the existing road pavement is of cement concrete or dense bituminous concrete type.	By HDD Method Drawing for methodology enclosed	
	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 waterway along it.	As per NHAI Norms	
2	Document / drawing enclosed with the proposal	Drawing Enclosed	
2.1	Cross section showing the size of the trench for open trenching method. (Is it normal size of 1.6m (min) deep X 0.3 wide) i)Should not be greater than 60 cm wider than the outer diameter of the pipe. ii) Located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the centre-line of the nearest carriageway iii) shall not be permitted to run along the National highway when the road formation is situated in double cutting, Nor shall these be laid over the existing culverts and bridges. iv) These should be so laid that their top is atleast 0.6 meter below the ground level so as not to obstruct drainage of the road land.	Drawing Enclosed	
2.2	Cross section showing the size of pit and location of pipe line for HDD method.	Drawing Enclosed	
2.3	Strip plan / Route plan showing the cables. chainage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drawings work etc.	YES, Drawing Enclosed	
2.4	Methodology for laying of electrical cable	By HDD Method	
2.4.1	Open trenching method (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type.) If yes, methodology of refilling of trench.	NA	
	(a) The trench width should be alleast 30 cm but not more than 60cm wider than the outer diameter of the pipe.	NA	
	(b) For filling of the trench, bedding shall be to a depth of not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by replaced by selected material	NA	

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अधिशासी अभियन्ता
दक्षिणांचल विद्युत वितरण निगम लि.
विद्युत वितरण खण्ड, कन्नौज

परियोजना निदेशक
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
परियोजना कार्यान्वयन इकाई-कन्नौज

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National Highways Authority of India
Project Implementation Unit- Kannauj

S.No.	Item	Information/Status	Remarks
	(c) The backfill shall be completed in two stages (i) side-fill to the elvel fo the top of the pipe and (ii) overfill to the bottom of the road crust.	NA	
	d) The side fill shall consist of granular material laid in 15cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.	NA	
	e) The road crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench	NA	
	f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	NA	
	g) If required, a diversion shall be constructed at the expense of agency owning the utility line	NA	
2.4.2	Horizontal Directional Drilling (HDD) method.	YES	
2.4.3	Methodology for laying of electrical cable through CD works and method of Laying. In cases where the carrying of gas pipe line on the bridge becoems inescapable.	NA	
3	Draft License agreement signed by two witnesses.	YES	
3.1	The License fee estimate as per Ministry's guidelines issued vide circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016	As per applecable	
4	Whether Performance Bank Guarnatee as Ministry's guidelines issued vide circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 is obtained.	An undertaking given by the agency towards Performance Bank Guarantee as per extant norms MoRTH per each crossing as demanded by NHAI/MoRTH.	
4.1	Confirmation of BG has been obtained or not as per MoRTH/NHAI guidelines.	Not Submitted	
5	Affidavit / undertaking from the Applicant for the following is to be furnished	Enclosed	
5.1	Undertaking for not to Damage any other utility. If damaged then to pay the losses either to NHAI or to the concerned agency.	YES, Enclosed	
5.2	Undertaking for Renewal of Bank Guarantee as and when asked by MoRTH/NHAI.	YES, Enclosed	
5.3	Undertaking for Confirming all standard conditions of Ministry Circulars and NHAI's guideline	YES, Enclosed	
5.4	Undertaking for Indemnity against all damages and claims.	YES, Enclosed	
5.5	Undertaking for management of traffic movement during laying of utility line without hampering the traffic.	YES, Enclosed	
5.6	Undertaking that if any claim is raised by the concessionaire/contractor then the same has to be pid by the applicant.	YES, Enclosed	

L&T Construction ADB DVVNL Kanpur Zone

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विद्युत वितरण खण्ड, कन्नौज

परियोजना निदेशक
भारतीय राष्ट्रीय राजमार्ग प्राधिकर.
परियोज. कार्यान्वयन इका -कन्नौज

Site Engineer
National Highways Authority of India
Project Implementation Unit- Kannauj

S.No.	Item	Information/Status	Remarks
5.7	Undertaking that prior apporval of the NHAI shall be obtained before undertaking any work of the installation, shifting or repairs or alterations to the utility located in the National Highway right of ways.	YES, Enclosed	
5.8	Undertaking that expenditure, if any, incurred by NHAI for repairing any damage casued to the Nationl Highway by the laying, maintanance or shifting of the utility line will be borne by the applicant agency owning the line.	YES, 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-33044/29/2015/S&R (R) dated 22.11.2016.	YES, Enclosed	
5.10	Undertaing that the applicant has obtaind various safety clearences from the representative authorities such as Directorate of Electricity, Chief controller of Explosives. Petroleum and Explosive Safety organisation UTI Industry Safety Direcotrate State/Central Pollutino Control Board and any other statutory clearence's applicable. before applying to Highway Administrtation.	YES, Enclosed	
5.11	If the MoRTH/NHAI considers it necessary in future to move the utility line for any work fo improvement or repairs to the road it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	YES, Enclosed	
5.12	Certificate from the applicant in the following format i) Laying of UG Cable/HDPE Pipe will not have any deleterious effects on any of the bridge components and roadway safety for traffic. ii) for 6 laning "we do undertake that I will relocate services road / approach road / utilities at my own cost not withstanding the permission granted within such time as will be stipulated by NHAI for future six laning or any other development.	YES, Enclosed	
6	Who willl sign the agreement on behalf of Laying of UG electrical cable/HDPE Pipe	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, Kannauj	
	Power of Attorney to sign the agreement is available or not	YES	
7	The Project Director, will submit the following Certificates.	-	

L&T Construction ADB DVVNL Kanpur Zone

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(सड़क परिवहन और राजमार्ग मंत्रालय)
(Ministry of Road Transport & Highways)

अधिशासी अभियन्ता
दक्षिणांचल विद्युत वितरण निगम लि.
विद्युत वितरण खण्ड, कन्नौज

परियोजना निदेशक
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
परियोजना कार्यान्वयन इकाई-कन्नौज

Site Engineer
National Highways Authority of India
Project Implementation Unit- Kannauj

S.No.	Item	Information/Status	Remarks
7.1	Certificate for confirming of all standard condition issued vide Ministry Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016.	-	
7.2	Certificate from PD in the following format (i) " It is certified that any other location of the Water Supply pipe line would be extremely difficult and unreasonable costly and the installation of Water Supply pipe line within ROW will not adversely affect the design, statbility & traffic safety of the highway nor the likely future improvement. Such as widening of the carriageway, easing of Curve etc". (ii) for 6-lanning (a) Where feasibility is available " I do certify that there will be no hindrance to proposed six-lanning based on the feasibilityreport considering proposed structures at the said location (b) In case feasibility report is not available I do certify that sufficient ROW is available at site for accommodation proposed six-laning"	-	
8	If NH section proposed to be taken up by NHAI on BOT basis — s cause in para 9 to be inserted in the agreement. "The permitted Highway on which license has been granted as a right to lay cable / duct, has also been granted as a right of the way to be concessional under the concession agreement for up-gradation on build, operate and transfer basis and therefore, the license shall honor the same".	NA	
9	Who will supervise the work of laying of UG Electrical Cable/HDPE Pipe		
	(a) On behalf of the Applicant	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, Kannauj	
	(b) On bealf of NHAI	Suervision Consultant	
10	Who will ensure that the defects in road portion after laying of over Head electrical line are corrected and if not corrected then what action will be taken.		

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(Ministry of Road Transport & Highways)

Site Engineer
National Highways Authority of India
Project Implementation Unit- Kannauj

S.No.	Item	Information/Status	Remarks
	(a) On behalf of the Applicant	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, Kannauj	
	(b) On bealf of NHAI	Suervision Consultant	
11	Who will pay the claims for damages done / disruption in working of concessionalre if asked by the concessionalre	Executing agency Larsen & Toubro Limited	
12	A certificate from Project Director that he will enter the proposed permission in the register of records of the permission in the prescribed proforma (copy enclosed).	-	
13	If any previous approval is accorded for laying of UG electrical cable then photocopy of register of records of permissions accorded as maintained by Project Director may be enclosed	NA	

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[Name, Designation and signature of the authorised representative of Applicant]

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विद्युत वितरण खण्ड, कन्नौज

[Name, Designation and signature of concerned authority of NHAI/PIU/KNP]

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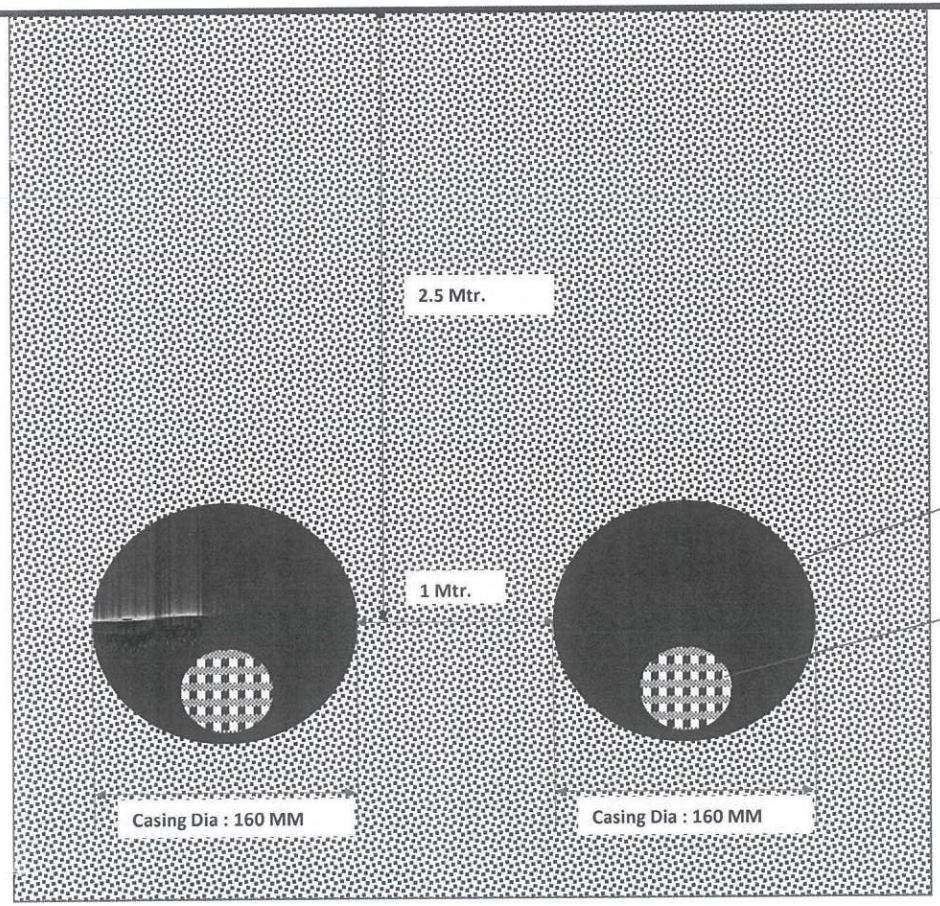
ANNEXURE-A

CASING PIPE AND CABLE DETAILS

Intermediate Section



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विद्युत वितरण खण्ड
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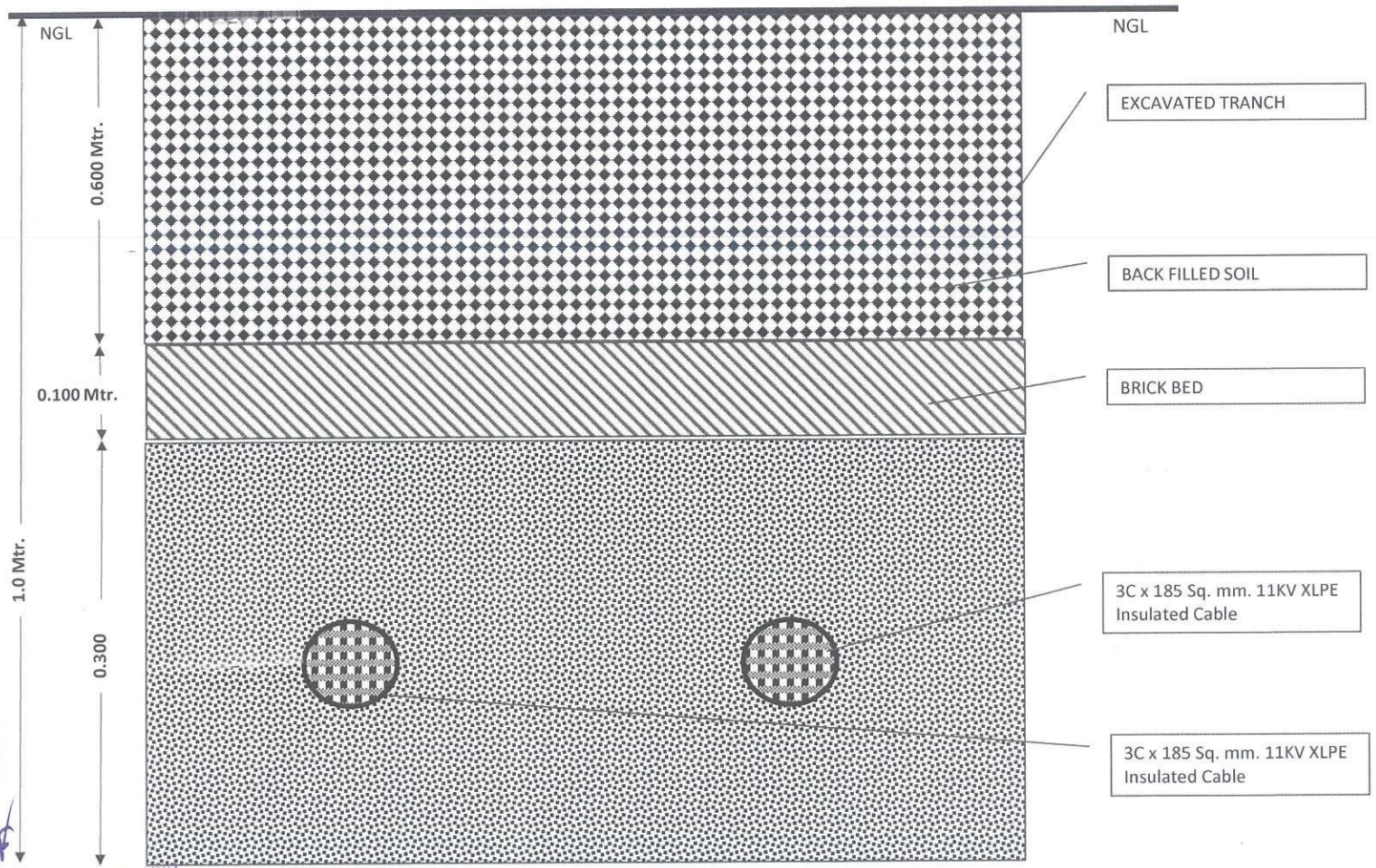
ANNEXURE-B

CABLE BACKFILLING DETAILS



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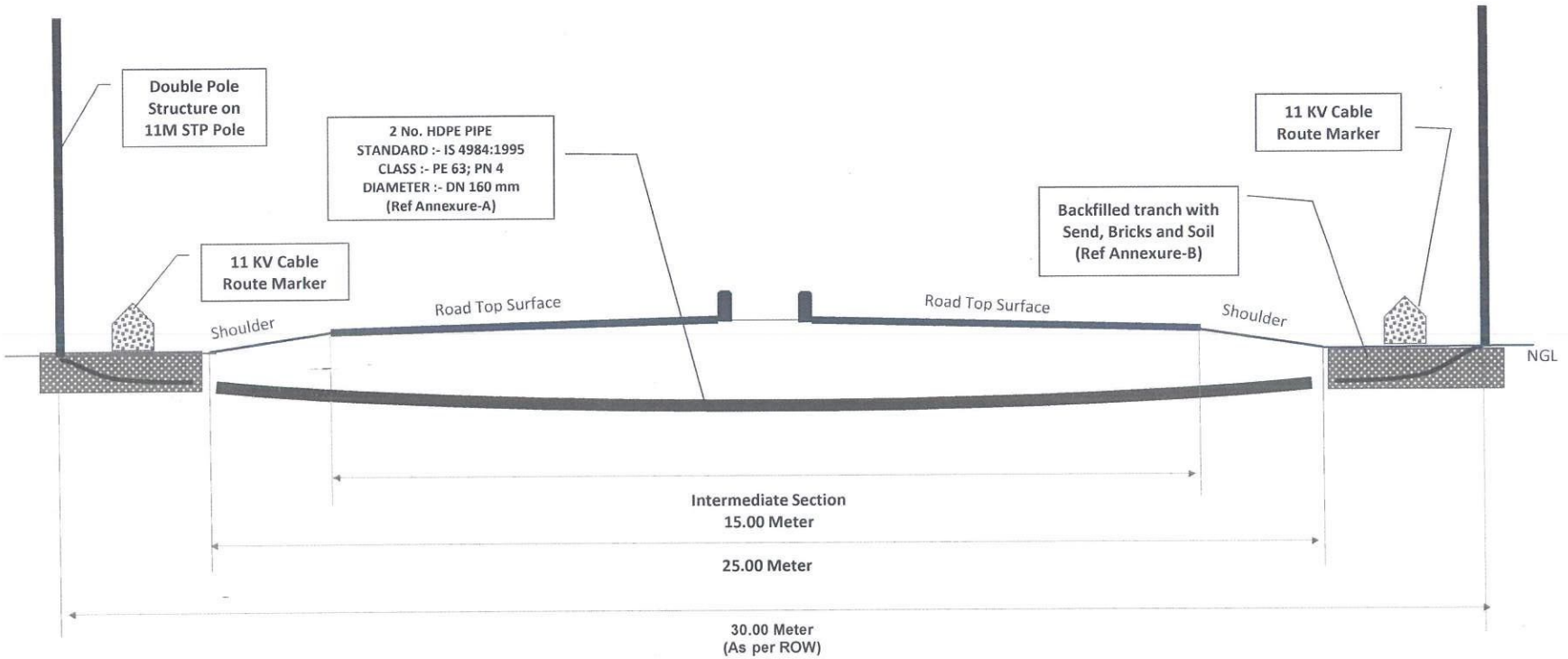
कन्नौज

Typical Cross Sectional For HDD AT NH-34, NH-234 & NH-91



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Site Engineer
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Project Implementation Unit- Kannauj

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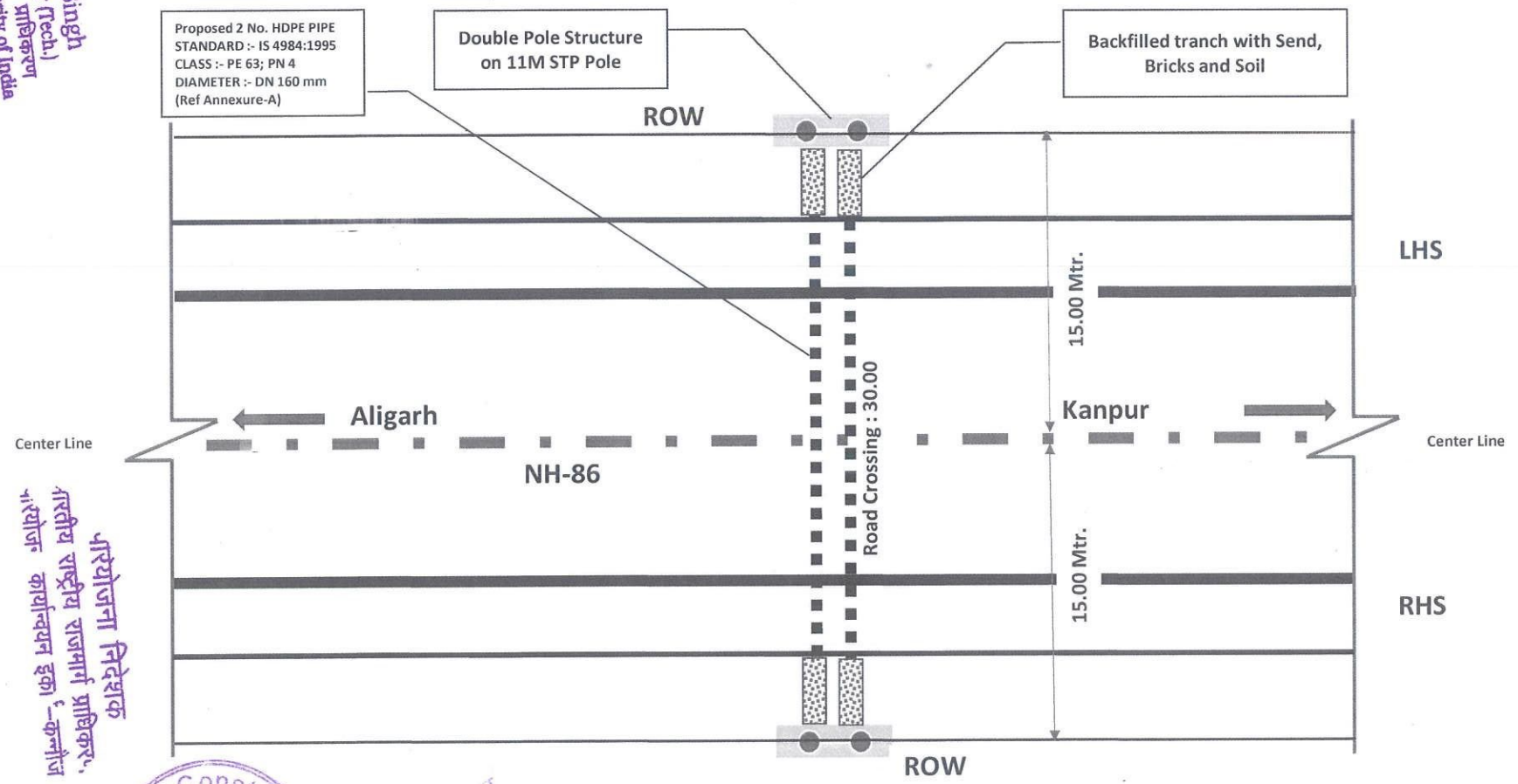
परियोजना कार्यान्वयन इकाई–कन्नौज

Typical View of NH-34 Crossing of Electrical Cable/HDPE Pipe

Crossing
at Km. 305.210, at Km. 305.970, at Km. 306.110, at Km. 307.650, at Km.313.340, at Km. 323.420, at Km. 324.310, at Km. 325.130, at Km. 326.910 & at km 360.610



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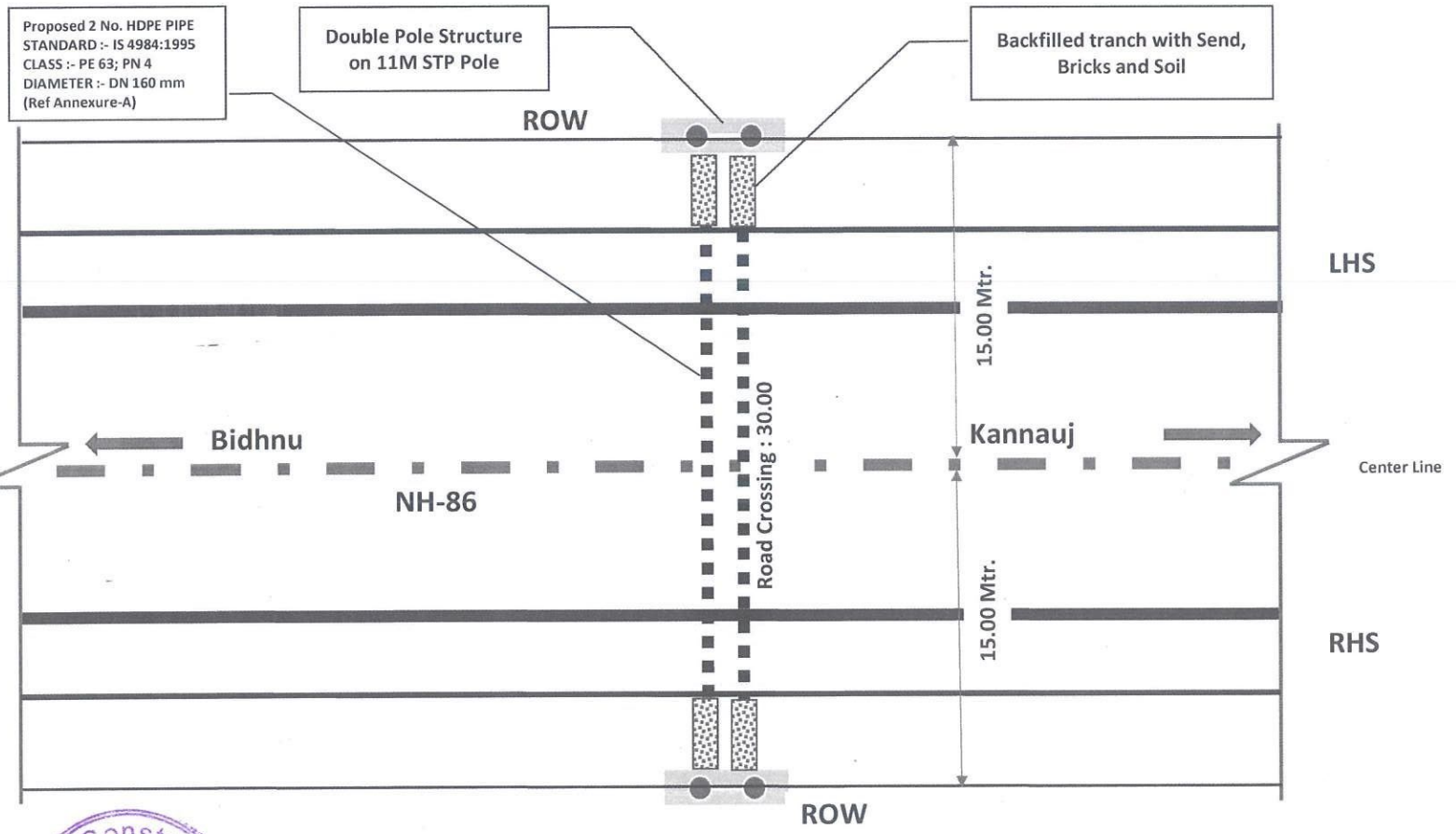
Typical View of NH-234 Crossing of Electrical Cable/HDPE Pipe

Crossing
crossings at Km. 128.500, at Km. 131.520, at Km. 149.180 & at Km. 157.072



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दक्षिणांचल विद्युत वितरण निगम लि०
विद्युत वितरण खण्ड
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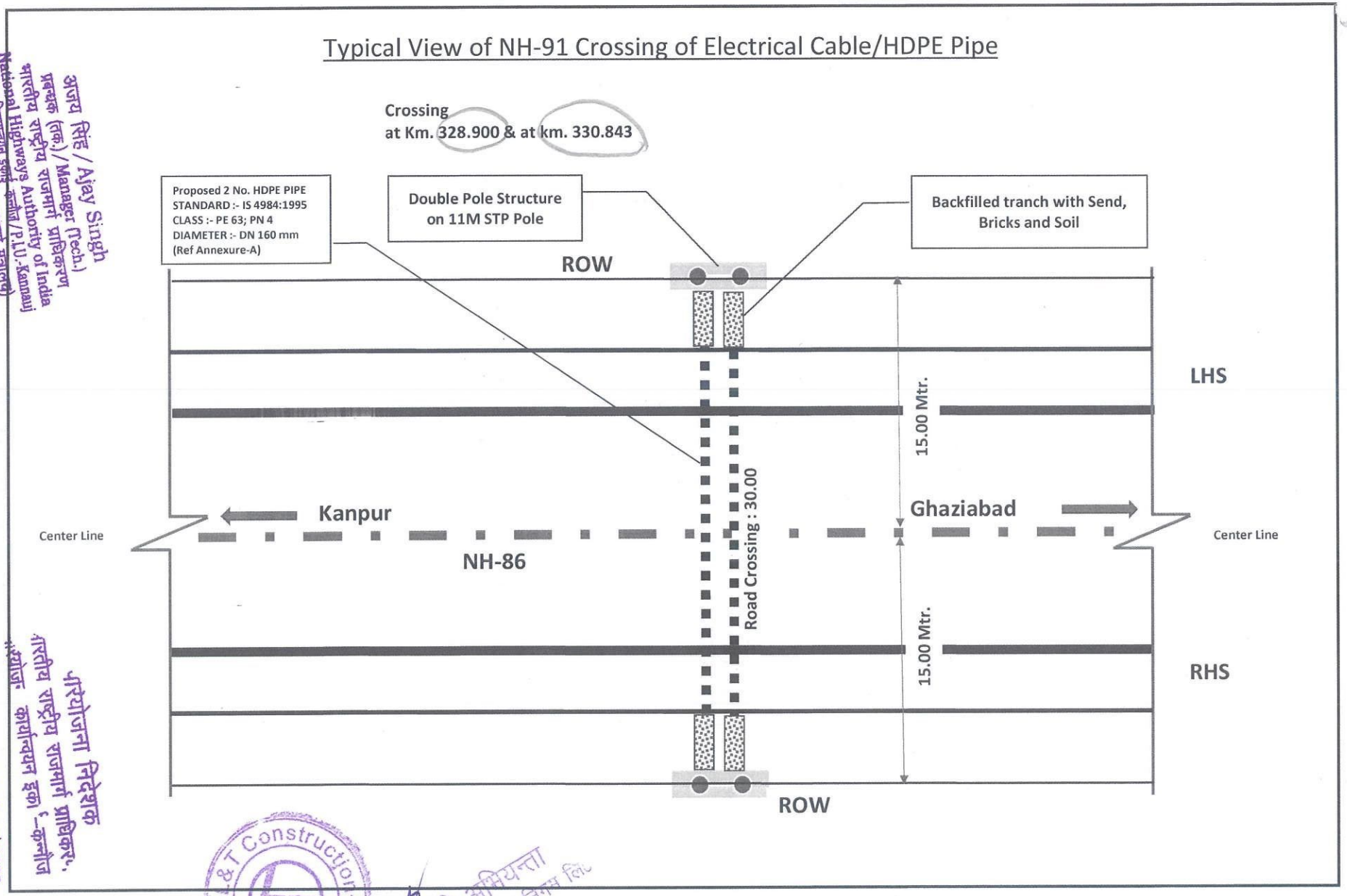
Typical View of NH-91 Crossing of Electrical Cable/HDPE Pipe



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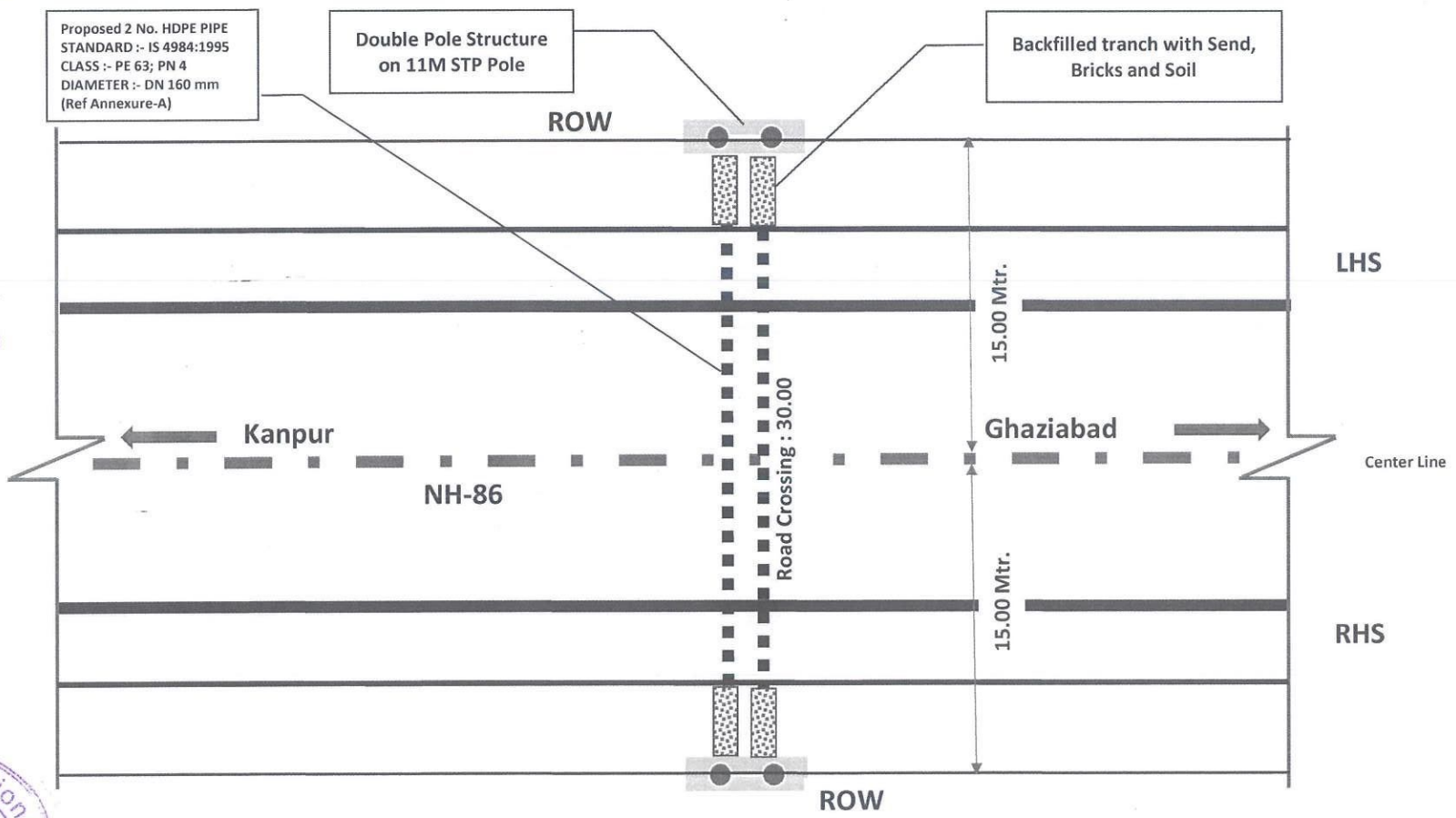
Typical View of NH-91 Crossing of Electrical Cable/HDPE Pipe

Crossing
at Km. 328.900 & at km. 330.843



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Site Engineer
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L&T Construction
IDB BWML Jaipur Zone

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