



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

(Ministry of Road Transport and Highways, Government of India)

क्षेत्रीय कार्यालय-पश्चिम उ०प्र०, लखनऊ Regional Office - West UP, Lucknow.

3/248, विशाल खण्ड, गोमती नगर, लखनऊ-226010 (उ.प्र.)

3/248, Vishal Khand, Gomti Nagar, Lucknow-226010 (UP)

दूरभाष / Phone : 0522-4960291, टेलीफैक्स / Fax : 0522-4950680

ई-मेल / E-mail : rowestup@nhai.org, rowestup@gmail.com



19001/1/RO-W-UP/NH-509/UG/DVVNL/NOC/1540

Date: 30.08.2022

### Invitation of Public Comments

**Sub:** Proposal for permission for crossing of 11 KV underground electrical cable by Dakshinanchal Vidhyut Vitran Nigam Limited (DVVNL), Agra by crossing the National Highway-509 at Ch.226.600, Ch.221.400, Ch.227.800, Ch.227.620, Ch.224.780, Ch.228.600, Ch.223.950, Ch.219.600 with 11 kV XLPE in District Agra in the State of Uttar Pradesh.

The Authorized Signatory M/s DVVNL, Agra has submitted the proposal for permission for crossing of 11 KV underground electrical cable by Dakshinanchal Vidhyut Vitran Nigam Limited (DVVNL), Agra by crossing the National Highway-509 at Ch.226.600, Ch.221.400, Ch.227.800, Ch.227.620, Ch.224.780, Ch.228.600, Ch.223.950, Ch.219.600 with 11 kV XLPE in District Agra in the State of Uttar Pradesh.

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, which should reach by this office within 30 days from the date of publication beyond which no comments shall be entertained.

**The Chief General Manager cum Regional Officer,  
National Highways Authority of India  
Regional Office, UP-West, Lucknow  
3/248, Vishal Khand, Gomti Nagar  
Lucknow-226 010**

This is issued with the approval of RO-West (UP).

Encl: As above.

(Roopak Jain)  
Manager (T)  
For RO-West, UP

### Copy to:

1. Web Admin, NHAI-IIQ- with request for uploading on the NHAI website.
2. The Technical Director, NIC, Transport Bhawan, New Delhi with request for uploading on the Ministry's website.
3. The Authorized Signatory, M/s DVVNL, Agra for information.
4. The PD, PIU-Agra for information.

**CHECK - LIST**

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

**Relevant Circulars**

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

Check list for getting approval for laying of Electrical Cables/HDPE Pipe at NH-509 land.

S.No.	Item	Information/Status	Remarks
1	General Information	Work under New 11 KV Feeder for Separation of Agriculture Consumer and Associated work Agra Zone (Agra District) Project	
1.1	Name and Address of the Applicant/Agency	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, Fatehabad Agra Uttar Pradesh	
1.2	National Highway Number	NH 509	
1.3	State	Uttar Pradesh	
1.4	Location	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 219.600 (NH 509)	
1.5	(Chainage in Km)	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 219.600 (NH 509)	
1.6	Length in Meters	(23 Mtr. x 2 Run) x 1 Nos. =46 Mtrs.	
1.7	Width of available ROW		
	(a) Left side from center line to tower towards increasing chainage/Km direction	11.5 Mtr. From center of road (As per drawing attached)	
	(b) Right side from center line to tower increasing chainage/Km direction	11.5 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	11.5 Mtr. From center of road (As per drawing attached)	
	(b) Right side from center line towards increasing chainage/Km direction	11.5 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	
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	NA	
1.12	Number of existing lanes (2/4/6/8 Lanes)	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	NA	
	(a) Left side from center line	NA	
	(b) Right side from Center line	NA	
1.15	Proposed Service road	No	
	(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 after 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 proposed on highway Bridges. If Yes, the mention the methodology	NA	

S.No.	Item	Information/Status	Remarks
1.18	Whether carrying of sewage/gas pipe line has been proposed 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 drain in cuts and toe of slope toe of slope in the fills.	YES	
	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 proposed for crossing of road for the proposed UG electrical cable. Crossing shall be by boring method (HDD) specially where 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	

Site Engineer

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

National Highway Authority of India

परियोजना कार्यान्वयन इकाई

Project Implementation Unit-Agra

संजय वर्मा/Sanjay Verma

परियोजना निरीक्षक/PI

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

National Highway Authority of India

परियोजना कार्यान्वयन इकाई

Project Implementation Unit-Agra

Executive Engineer

Electricity Distribution Division - III  
Dakshinanchal Vidyut Vitran Nigam Ltd

S.No.	Item	Information/Status	Remarks
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 atleast 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	
	(c) The backfill shall be completed in two stages (i) side-fill to the level to 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 becomes 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 applicable	
4	Whether Performance Bank Guarantee 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	

S.No.	Item	Information/Status	Remarks
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 NHA'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 paid by the applicant.	YES, Enclosed	
5.7	Undertaking that prior approval 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 caused to the National Highway by the laying, maintenance 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	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 Safety organisation, UTI Industry Safety Directorate, State/Central Pollution Control Board and any other statutory clearance's applicable, before applying to Highway Administration.	YES, Enclosed	
5.11	If the MoRTH/NHAI considers it necessary in future to move the utility line for any work for 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 notwithstanding the permission granted within such time as will be stipulated by NHAI for future six laning or any other development.	YES, Enclosed	

Site Engineer  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways  
परियोजना कार्यान्वयन इकाई-आगरा  
Project Implementation Unit-Agra

Sanjay Verma  
परियोजना निदेशक/P  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority  
परियोजना कार्यान्वयन इकाई-आगरा  
Project Implementation Unit-Agra

Executive Engineer  
Electricity Distribution Division - III  
Dakshinanchal Vidyut Vitran Nigam Ltd

S.No.	Item	Information/Status	Remarks
6	Who will sign the agreement on behalf of Laying of UG electrical cable/HDPE Pipe	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
	Power of Attorney to sign the agreement is available or not	YES	
7	The Project Director, will submit the following Certificates.	-	
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, stability & 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, EDD Fatehabad Agra	
	(b) On bealf of NHAI	Supervision 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.		
	(a) On behalf of the Applicant	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
	(b) On bealf of NHAI	Supervision Consultant	

Site Engineer

राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
परियोजना कार्यान्वयन इकाई-आगरा  
Project Implementation Unit-Agra

संजय वर्मा Sanjay Verma

परियोजना निदेशक/Project Director

राष्ट्रीय राजमार्ग प्राधिकरण

National Highways Authority of India

परियोजना कार्यान्वयन इकाई-आगरा

Project Implementation Unit-Agra

Executive Engineer  
Electricity Distribution Division - III  
Dakshinanchal Vidyut Vitran Nigam Ltd.

S.No.	Item	Information/Status	Remarks
11	Who will pay the claims for damages done / disruption in working of concessionalre if asked by the concessionalre	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
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	

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

**Executive Engineer**  
**Electricity Distribution Division - III**  
**Dakshinanchal Vidyut Vitran Nigam Ltd.**

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

**संजय वर्मा/Sanjay Verma**  
**परियोजना निदेशक/Project Director**  
**भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/**  
**National Highways Authority**  
**परियोजना कार्यान्वयन इकाई-आगरा**  
**Project Implementation Unit-Agra**

**Site Engineer**

**भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/**  
**National Highways Authority of India**  
**परियोजना कार्यान्वयन इकाई-आगरा**  
**Project Implementation Unit-Agra**

## CHECK - LIST

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

### Relevant Circulars

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

Check list for getting approval for laying of Electrical Cables/HDPE Pipe at NH-509 land.

S.No.	Item	Information/Status	Remarks
1	General Information	Work under New 11 KV Feeder for Separation of Agriculture Consumer and Associated work Agra Zone (Agra District) Project	
1.1	Name and Address of the Applicant/Agency	<b>Executive Engineer</b> , Dakshinanchal Vidyut Vitran Nigam Limited, Fatehabad Agra Uttar Pradesh	
1.2	National Highway Number	<b>NH - 509</b>	
1.3	State	Uttar Pradesh	
1.4	Location	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 223.950 (NH 509)	
1.5	(Chainage in Km)	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 223.950 (NH 509)	
1.6	Length in Meters	(30 Mtr. x 2 Run) x 1 Noc. ~60 Mtr.	
1.7	Width of available ROW		
	(a) Left side from center line to tower towards increasing chainage/Km direction	15 Mtr. From center of road (As per drawing attached)	
	(b) Right side from center line to tower increasing chainage/Km direction	15 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	15 Mtr. From center of road (As per drawing attached)	
	(b) Right side from center line towards increasing chainage/Km direction	15 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	
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	NA	
1.12	Number of existing lanes (2/4/6/8 Lanes)	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	No	
	(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 after 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 proposed on highway Bridges. If Yes, the mention the methodology	NA	

Site Engineer

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

National Highways Authority of India

परियोजना कार्यान्वयन इकाई-आगरा

Project Implementation Unit-Agra

Sanjay Verma

परियोजना निरीक्षक/Project Engineer

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

National Highways Authority of India

परियोजना कार्यान्वयन इकाई-आगरा

Project Implementation Unit

Page 1 of 6

Executive Engineer

Electricity Distribution Division - III  
Dakshinanchal Vidyut Vitran Nigam Ltd.

S.No.	Item	Information/Status	Remarks
1.18	Whether carrying of sewage/gas pipe line has been proposed 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 NHA 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 drain in cuts and toe of slope toe of slope in the fills.	YES	
	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 proposed for crossing of road for the proposed UG electrical cable. Crossing shall be by boring method (HDD) specially where 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 NHA 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	

S.No.	Item	Information/Status	Remarks
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 atleast 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	
	(c) The backfill shall be completed in two stages (i) side-fill to the level to 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 becomes 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 applicable	
4	Whether Performance Bank Guarantee 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	

Site Engineer

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/

National Highway

परियोजना कार्यान्वयन

Project Implementation

of India

Agra

संजय वर्मा/Sanjay Verma

परियोजना निदेशक/Project Director

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण,

National Highways Authority

परियोजना कार्यान्वयन इकाई-आगरा

Project Implementation Unit-Agra

Executive Engineer  
Electricity Distribution Division  
Dakshinanchal Vidyut Vitran Nigam Ltd.

S.No.	Item	Information/Status	Remarks
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 paid by the applicant.	YES, Enclosed	
5.7	Undertaking that prior approval 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 caused to the National Highway by the laying, maintenance 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	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 Safety organisation, UTI Industry Safety Directorate, State/Central Pollution Control Board and any other statutory clearance's applicable, before applying to Highway Administration.	YES, Enclosed	
5.11	If the MoRTH/NHAI considers it necessary in future to move the utility line for any work for 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/IDPE 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 notwithstanding the permission granted within such time as will be stipulated by NHAI for future six laning or any other development.	YES, Enclosed	

Site Engineer  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
परियोजना कार्यान्वयन  
Project Implementation Unit

संजय वर्मा/Sanjay Verma  
परियोजना निदेशक/Project Director  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
परियोजना कार्यान्वयन इकाई-आगरा  
Project Implementation Unit-Agra

Executive Engineer  
Electricity Distribution Division - III  
Dakshinanchal Vidyut Vitran Nigam Ltd

S.No.	Item	Information/Status	Remarks
6	Who will sign the agreement on behalf of Laying of UG electrical cable/HDPE Pipe	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
	Power of Attorney to sign the agreement is available or not	YES	
7	The Project Director, will submit the following Certificates.	-	
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, stability & 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 feasibility report 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 NHA 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, EDD Fatehabad Agra	
	(b) On behalf of NHA	Supervision 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.		
	(a) On behalf of the Applicant	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
	(b) On behalf of NHA	Supervision Consultant	

Site Engineer

राष्ट्रीय राजमार्ग प्राधिकरण/

National Highways Authority of India

परियोजना कार्यान्वयन इकाई-आगरा

Project Implementation Unit-Agra

संजय वर्मा/ Sanjay Verma

परियोजना निदेशक/Project Director

राष्ट्रीय राजमार्ग प्राधिकरण,

National Highways Authority of India

परियोजना कार्यान्वयन इकाई-आगरा

Project Implementation Unit-Agra


Executive Engineer  
Electricity Distribution Division - III  
Dakshinanchal Vidyut Vitran Nigam Ltd


S.No.	Item	Information/Status	Remarks
11	Who will pay the claims for damages done / disruption in working of concessionalre if asked by the concessionalre	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
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	

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

  
**Executive Engineer**  
**Electricity Distribution Division - III**  
**Dakshinanchal Vidyut Vitran Nigam Ltd.**

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

  
**संजय वर्मा/Sanjay Verma**  
**परियोजना निदेशक/Project Director**  
**भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/**  
**National Highways Authority of India**  
**परियोजना कार्यान्वयन इकाई-आगरा**  
**Project Implementation Unit-Agra**

  
**Site Engineer**  
**भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/**  
**National Highways Authority of India**  
**परियोजना कार्यान्वयन इकाई-आगरा**  
**Project Implementation Unit-Agra**

**CHECK - LIST**

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

**Relevant Circulars**

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

Check list for getting approval for laying of Electrical Cables/HDPE Pipe at NH-509 land.

S.No.	Item	Information/Status	Remarks
1	General Information	Work under New 11 KV Feeder for Separation of Agriculture Consumer and Associated work Agra Zone (Agra District) Project	
1.1	Name and Address of the Applicant/Agency	<b>Executive Engineer</b> , Dakshinanchal Vidyut Vitran Nigam Limited, Fatehabad Agra Uttar Pradesh	
1.2	National Highway Number	<b>NH 509</b>	
1.3	State	Uttar Pradesh	
1.4	Location	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 228.600 (NH 509)	
1.5	(Chainage in Km)	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 228.600 (NH 509)	
1.6	Length in Meters	(30 Mtr. x 2 Run) x 1 Nos. =60 Mtrs.	
1.7	Width of available ROW		
	(a) Left side from center line to tower towards increasing chainage/Km direction	15 Mtr (1 Run). From center of road (As per drawing attached)	
	(b) Right side from center line to tower increasing chainage/Km direction	15 Mtr (1 Run). 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	15 Mtr (1 Run) From center of road (As per drawing attached)	
	(b) Right side from center line towards increasing chainage/Km direction	15 Mtr (1 Run). 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	
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	UG CABLE OF DUNL IN LHS	
1.12	Number of existing lanes (2/4/6/8 Lanes)	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	NA	
	(a) Left side from center line	NA	
	(b) Right side from Center line	NA	
1.15	Proposed Service road	No	
	(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 after 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 proposed on highway Bridges. If Yes, the mention the methodology	NA	

**Site Engineer**

राष्ट्रीय राष्ट्रीय राजमार्ग प्राधिकरण

**National Highways Authority of India**

परियोजना कार्यान्वयन इकाई-आगरा

**Project Implementation Unit-Agra**

संजय वर्मा/Sanjay Verma

परियोजना विभागाध्यक्ष/PIU Officer

राष्ट्रीय राष्ट्रीय राजमार्ग प्राधिकरण

National Highways Authority of India

परियोजना कार्यान्वयन इकाई-आगरा

Project Implementation Unit-Agra

**Executive Engineer**

Electricity Distribution Division - III

Dakshinanchal Vidyut Vitran Nigam Ltd

S.No.	Item	Information/Status	Remarks
1.18	Whether carrying of sewage/gas pipe line has been proposed 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 drain in cuts and toe of slope toe of slope in the fills.	YES	
	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 proposed for crossing of road for the proposed UG electrical cable. Crossing shall be by boring method (HDD) specially where 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	

Site Engineer

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/

National Highways Authority of India

परियोजना कार्यान्वयन इकाई-आगरा

Project Implementation Unit-Agra

संजय वर्मा/Sanjay Verma

परियोजना निदेशक/Project Director

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

National Highways Authority of India

परियोजना कार्यान्वयन इकाई-आगरा

Project Implementation Unit-Agra

Executive Engineer

Electricity Distribution Division - III

Dakshina

S.No.	Item	Information/Status	Remarks
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 atleast 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	
	(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 appicable	
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	

Site Engineer

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India

परियोजना कार्यान्वयन इकाई-आगरा  
Project Implementation Unit-Aggra

संजय वर्मा/Sanjay Verma

परियोजना निदेशक/Project Director

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

National Highways Authority of India

परियोजना कार्यान्वयन इकाई-आगरा

Project Implementation Unit-Aggra

Executive Engineer

Electricity Distribution Division - III  
Dakshin

Aggra Ltd

S.No.	Item	Information/Status	Remarks
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 paid by the applicant.	YES, Enclosed	
5.7	Undertaking that prior approval 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 caused to the National Highway by the laying, maintenance 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	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 Safety organisation, UTI Industry Safety Directorate, State/Central Pollution Control Board and any other statutory clearances applicable before applying to Highway Administration.	YES, Enclosed	
5.11	If the MoRTH/NHAI considers it necessary in future to move the utility line for any work for 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 8 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	

**Site Engineer**

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

**National Highways Authority of India**

परियोजना कार्यान्वयन इकाई-आगरा

**Project Implementation Unit, Aggra**

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

**National Highways Authority of India**

परियोजना कार्यान्वयन इकाई-आगरा

**Project Implementation Unit, Aggra**

**Executive Engineer**

Electricity Distribution Division - III

Dakshinapada Vidyut Vitran Nigam Ltd

S.No.	Item	Information/Status	Remarks
6	Who will sign the agreement on behalf of Laying of UG electrical cable/HDPE Pipe	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
	Power of Attorney to sign the agreement is available or not	YES	
7	The Project Director, will submit the following Certificates.	-	
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, stability & 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 feasibility report 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, EDD Fatehabad Agra	
	(b) On behalf of NHAI	Supervision 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.		
	(a) On behalf of the Applicant	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
	(b) On behalf of NHAI	Supervision Consultant	

*Subk*  
Site Engineer

राष्ट्रीय राजमार्ग प्राधिकरण/  
National Highways Authority of India

परियोजना कार्यान्वयन इकाई-आगरा

परियोजना निदेशक/Project Director  
Project Implementation Unit-Agra

राष्ट्रीय राजमार्ग प्राधिकरण/  
National Highways Authority of India

परियोजना निदेशक/Project Director

परियोजना कार्यान्वयन इकाई-आगरा

राष्ट्रीय राजमार्ग प्राधिकरण/  
National Highways Authority of India

परियोजना कार्यान्वयन इकाई-आगरा

परियोजना निदेशक/Project Director  
Project Implementation Unit-Agra


*[Signature]*  
Executive Engineer  
Electricity Distribution Division - III  
Dakshinanchal Vidyut Vitran Nigam Ltd


S.No.	Item	Information/Status	Remarks
11	Who will pay the claims for damages done / disruption in working of concessionalre if asked by the concessionalre	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
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	

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

  
**Executive Engineer**  
**Electricity Distribution Division - III**  
**Dakshinanchal Vidyut Vitran Nigam Ltd.**

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

  
 संजय वर्मा/Sanjay Verma  
 परियोजना निदेशक/Project Director  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
 National Highways Authority of India  
 परियोजना कार्यान्वयन इकाई-आगरा  
 Project Implementation Unit-Agra

  
**Site Engineer**  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/  
 National Highways Authority of India  
 परियोजना कार्यान्वयन इकाई-आगरा  
 Project Implementation Unit-Agra

13

**CHECK - LIST**

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

**Relevant Circulars**

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

Check list for getting approval for laying of Electrical Cables/HDPE Pipe at NH-509 land.

S.No.	Item	Information/Status	Remarks
1	General Information	Work under New 11 KV Feeder for Separation of Agriculture Consumer and Associated work Agra Zone (Agra District) Project	
1.1	Name and Address of the Applicant/Agency	<b>Executive Engineer</b> , Dakshinanchal Vidyut Vitran Nigam Limited, Fatehabad Agra Uttar Pradesh	
1.2	National Highway Number	<b>NH 509</b>	
1.3	State	Uttar Pradesh	
1.4	Location	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 227.800 (NH 509)	
1.5	(Chainage in Km)	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 227.800 (NH 509)	
1.6	Length in Meters	(30 Mtr x 2 Run) x 1 Nos = 60 Mtrs.	
1.7	Width of available ROW		
	(a) Left side from center line to tower towards increasing chainage/Km direction	15 Mtr From center of road (As per drawing attached)	
	(b) Right side from center line to tower increasing chainage/Km direction	15 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	15 Mtr From center of road (As per drawing attached)	
	(b) Right side from center line towards increasing chainage/Km direction	15 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	
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	UG CABLE OF BSNL IN LHS	
1.12	Number of existing lanes (2/4/6/8 Lanes)	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	NA	
	(a) Left side from center line	NA	
	(b) Right side from Center line	NA	
1.15	Proposed Service road	No	
	(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 after 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 proposed on highway Bridges. If Yes, the mention the methodology	NA	

Site Engineer

राष्ट्रीय राष्ट्रीय राजमार्ग प्राधिकरण/

National Highways Authority of India

परियोजना कार्यान्वयन इकाई-आगरा

Project Implementation Unit-Agra

संजय वर्मा/Sanjay Verma

परियोजना निदेशक/Project Director

राष्ट्रीय राष्ट्रीय राजमार्ग प्राधिकरण/

National Highways Authority of India

परियोजना कार्यान्वयन इकाई-आगरा

Project Implementation Unit-Agra

Page 1 of 6

Executive Engineer

Electricity Distribution Division - III  
Dakshinanchal Vidyut Vitran Nigam Ltd.

S.No.	Item	Information/Status	Remarks
1.18	Whether carrying of sewage/gas pipe line has been proposed 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 drain in cuts and toe of slope toe of slope in the fills.	YES	
	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 proposed for crossing of road for the proposed UG electrical cable. Crossing shall be by boring method (HDD) specially where 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	
4	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 1.0m (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	

Site Engineer  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
परियोजना कार्यान्वयन इकाई-आगरा  
Project Implementation Unit-  
Agra

संजय वर्मा/Sanjay Verma  
परियोजना निदेशक/Project Director  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
परियोजना कार्यान्वयन इकाई-आगरा  
Project Implementation Unit-  
Agra

Executive Engineer  
Electricity Distribution Division - III  
Dakshinanchal Vidyut Vitran Nigam Ltd.

S.No.	Item	Information/Status	Remarks
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 atleast 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	
	(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 applicable	
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	

Site Engineer

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/

National Highways Authority of India

परियोजना कार्यान्वयन इकाई-आगरा

Project Implementation Unit-Agra

सह-प्रमुख/सहाय्य प्रमुख

परियोजना निदेशक/प्रमुख निदेशक

राष्ट्रीय राजमार्ग प्राधिकरण

National Highways Authority of India

परियोजना कार्यान्वयन इकाई-आगरा

Project Implementation Unit-Agra

Executive Engineer

Electricity Distribution Division - III  
Dakshinanchal Vidyut Vitran Nigam Ltd

S.No.	Item	Information/Status	Remarks
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 paid by the applicant.	YES, Enclosed	
5.7	Undertaking that prior approval 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 caused to the National Highway by the laying, maintenance 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	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 Safety Organisation, UTI Industry Safety Directorate, State/Central Pollution Control Board and any other statutory clearance's applicable, before applying to Highway Administration.	YES, Enclosed	
5.11	If the MoRTH/NHAI considers it necessary in future to move the utility line for any work for 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 notwithstanding the permission granted within such time as will be stipulated by NHAI for future six laning or any other development.	YES, Enclosed	

Site Engineer

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

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Project Implementation Unit-Agra

संजय वर्मा / Sanjay Verma

परियोजना निदेशक/Project Director

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

National Highways Authority of India

परियोजना कार्यान्वयन इकाई-आगरा

Project Implementation Unit-Agra

Executive Engineer  
Electricity Distribution Division - III  
Dakshinanchal Vidyut Vitran Nigam Ltd.

S.No.	Item	Information/Status	Remarks
6	Who will sign the agreement on behalf of Laying of UG electrical cable/HDPE Pipe	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
	Power of Attorney to sign the agreement is available or not	YES	
7	The Project Director, will submit the following Certificates.	-	
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, stability & 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 feasibility report 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, EDD Fatehabad Agra	
	(b) On behalf of NHAI	Supervision Consultant	
10	Who will ensure that the defects in road portion after laying of water supply line are corrected and if not corrected then what action will be taken.		
	(a) On behalf of the Applicant	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
	(b) On behalf of NHAI	Supervision Consultant	

*Sanjay*  
Site Engineer

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
परियोजना कार्यान्वयन इकाई-आगरा  
Project Implementation Unit-Agra

*Sanjay*  
संजय वर्मा/Sanjay Verma  
परियोजना निदेशक/Project Director  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
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परियोजना कार्यान्वयन इकाई-आगरा  
Project Implementation Unit-Agra

*Sanjay*  
Executive Engineer  
Electricity Distribution Division - III  
Dakshinanchal Vidyut Vitran Nigam Ltd

S.No.	Item	Information/Status	Remarks
11	Who will pay the claims for damages done / disruption in working of concessionalre if asked by the concessionalre	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
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	

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

  
 Executive Engineer  
 Dakshinanchal Vidyut Vitran Nigam Ltd.

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

  
 संजय वर्मा/Sanjay Verma  
 परियोजना निदेशक/Project Director  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
 National Highways Authority  
 परियोजना कार्यान्वयन इकाई-आगरा  
 Project Implementation Unit-Agra



Site Engineer  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/  
 National Highways Authority of India  
 परियोजना कार्यान्वयन इकाई-आगरा  
 Project Implementation Unit-Agra

**CHECK - LIST**

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

**Relevant Circulars**

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

Check list for getting approval for laying of Electrical Cables/HDPE Pipe at NH-509 land.

S.No.	Item	Information/Status	Remarks
1	General Information	Work under New 11 KV Feeder for Separation of Agriculture Consumer and Associated work Agra Zone (Agra District) Project	
1.1	Name and Address of the Applicant/Agency	<b>Executive Engineer</b> , Dakshinanchal Vidyut Vitran Nigam Limited, Fatehabad Agra Uttar Pradesh	
1.2	National Highway Number	<b>NH 509</b>	
1.3	State	Uttar Pradesh	
1.4	Location	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 227.620 (NH 509)	
1.5	(Chainage in Km)	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 227.620 (NH 509)	
1.6	Length in Meters	(30 Mtr. x 2 Run) x 1 Nos. = 60 Mtrs.	
1.7	Width of available ROW		
	(a) Left side from center line to tower towards increasing chainage/Km direction	15 Mtr From center of road (As per drawing attached)	
	(b) Right side from center line to tower increasing chainage/Km direction	15 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	15 Mtr From center of road (As per drawing attached)	
	(b) Right side from center line towards increasing chainage/Km direction	15 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	
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	UG CABLE OF BSNL IN LHS	
1.12	Number of existing lanes (2/4/6/8 Lanes)	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	NA	
	(a) Left side from center line	NA	
	(b) Right side from Center line	NA	
1.15	Proposed Service road	No	
	(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 after 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 proposed on highway Bridges. If Yes, the mention the methodology	NA	

S.No.	Item	Information/Status	Remarks
1.18	Whether carrying of sewage/gas pipe line has been proposed 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 drain in cuts and toe of slope toe of slope in the fills.	YES	
	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 proposed for crossing of road for the proposed UG electrical cable. Crossing shall be by boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Ry 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	

Site Engineer  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/  
National Highways Authority of India  
परियोजना कार्यान्वयन इकाई-आगरा  
Project Implementation Unit-Agra

संजय वर्मा/Sanjay Verma  
परियोजना निदेशक/Project Director  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण,  
National Highways Authority of India  
परियोजना कार्यान्वयन इकाई-आगरा  
Project Implementation Unit-Agra

Executive Engineer  
Electricity Distribution Division - III  
Dakshinanchal Vidyut Vitran Nigam Ltd.

S.No.	Item	Information/Status	Remarks
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 atleast 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	
	(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 applicable	
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	

  
**Site Engineer**  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/  
 National Highways Authority of India  
 परियोजना कार्यान्वयन इकाई-आगरा  
 Project Implementation Unit-Agra

  
 संजय वर्मा/Sanjay Verma  
 परियोजना निदेशक/Project Director  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण,  
 National Highways Authority of India  
 परियोजना कार्यान्वयन इकाई-आगरा  
 Project Implementation Unit-A, Agra

  
**Executive Engineer**  
 Electricity Distribution Division - III  
 Dakshinanchal Vidyut Vitran Nigam Ltd

S.No.	Item	Information/Status	Remarks
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 paid by the applicant.	YES, Enclosed	
5.7	Undertaking that prior approval 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 caused to the National Highway by the laying, maintenance 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 22.11.2010).	YES, Enclosed	
5.10	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 Safety organisation, UTI Industry Safety Directorate, State/Central Pollution Control Board and any other statutory clearance's applicable, before applying to Highway Administration.	YES, Enclosed	
5.11	If the MoRTH/NHAI considers it necessary in future to move the utility line for any work for 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 notwithstanding the permission granted within such time as will be stipulated by NHAI for future six laning or any other development.	YES, Enclosed	

*Sub*

**Site Engineer**  
**भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/**  
**National Highways Authority of India**  
**परियोजना कार्यान्वयन इकाई-आगरा**  
**Project Implementation Unit-Agra**

*Sanjay*

**संजय वर्मा/Sanjay Verma**  
**परियोजना निदेशक/Project Director**  
**भारतीय राष्ट्रीय राजमार्ग प्राधिकरण,**  
**National Highways Authority of India**  
**परियोजना कार्यान्वयन इकाई-आगरा**  
**Project Implementation Unit-A**

*SK*  
**Executive Engineer**  
**Electricity Distribution Division**  
**Dakshinanchal Vidyut Vitran Nigam Ltd.**

S.No.	Item	Information/Status	Remarks
6	Who will sign the agreement on behalf of Laying of UG electrical cable/HDPE Pipe	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
	Power of Attorney to sign the agreement is available or not	YES	
7	The Project Director, will submit the following Certificates.	-	
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, stability & 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 feasibility report 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, EDD Fatehabad Agra	
	(b) On behalf of NHAI	Supervision 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.		
	(a) On behalf of the Applicant	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
	(b) On behalf of NHAI	Supervision Consultant	

Site Engineer  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/  
National Highways Authority of India  
परियोजना कार्यान्वयन इकाई-आगरा  
Project Implementation Unit-Agra

संजय वर्मा/Sanjay Verma  
परियोजना निदेशक/Project Director  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण,  
National Highways Authority of India  
परियोजना कार्यान्वयन इकाई-आगरा  
Project Implementation Unit-Agra


Executive Engineer  
Electricity Distribution Division - III  
Dakshinanchal Vidyut Vitran Nigam Ltd.

S.No.	Item	Information/Status	Remarks
11	Who will pay the claims for damages done / disruption in working of concessionalre if asked by the concessionalre	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
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	

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

  
**Executive Engineer**  
**Electricity Distribution Division - III**  
**Dakshinanchal Vidyut Vitran Nigam Ltd.**

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

  
**संजय वर्मा/Sanjay Verma**  
**परियोजना निदेशक/Project Director**  
**भारतीय राष्ट्रीय राजमार्ग प्राधिकरण,**  
**National Highways Authority of India**  
**परियोजना कार्यान्वयन इकाई-आगरा**  
**Project Implementation Unit-Agra**



**Site Engineer**  
**भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/**  
**National Highways Authority of India**  
**परियोजना कार्यान्वयन इकाई-आगरा**  
**Project Implementation Unit-Agra**

**CHECK - LIST**

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

**Relevant Circulars**

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

Check list for getting approval for laying of Electrical Cables/HDPE Pipe at NH-509 land.

S.No.	Item	Information/Status	Remarks
1	General Information	Work under New 11 KV Feeder for Separation of Agriculture Consumer and Associated work Agra Zone (Agra District) Project	
1.1	Name and Address of the Applicant/Agency	<b>Executive Engineer</b> , Dakshinanchal Vidyut Vitran Nigam Limited, Fatehabad Agra Uttar Pradesh	
1.2	National Highway Number	<b>NH 509</b>	
1.3	State	Uttar Pradesh	
1.4	Location	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 226.600 (NH 509)	
1.5	(Chainage in Km)	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 226.600 (NH 509)	
1.6	Length in Meters	(30 Mtr. x 2 Run) x 1 Nos. = 60 Mtrs.	
1.7	Width of available ROW		
	(a) Left side from center line to tower towards increasing chainage/Km direction	15 Mtr From center of road (As per drawing attached)	
	(b) Right side from center line to tower increasing chainage/Km direction	15 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	15 Mtr From center of road (As per drawing attached)	
	(b) Right side from center line towards increasing chainage/Km direction	15 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	
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	UC CABLE OF BSNL IN LHS	
1.12	Number of existing lanes (2/4/6/8 Lanes)	2 LNAE	
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	NA	
	(a) Left side from center line	NA	
	(b) Right side from Center line	NA	
1.15	Proposed Service road	No	
	(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 after 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 proposed on highway Bridges If Yes, the mention the methodology	NA	

**Site Engineer**

राष्ट्रीय राष्ट्रीय राजमार्ग प्राधिकरण/

**National Highways Authority of India**

परियोजना कार्यान्वयन इकाई-आगरा

**Project Implementation Unit-Agra**

राजय वर्मा/Sanjay Verma

परियोजना निदेशक/Project Director

राष्ट्रीय राष्ट्रीय राजमार्ग प्राधिकरण,

**National Highways Authority of India**


परियोजना कार्यान्वयन इकाई-आगरा


Project Implementation Page 4 of 6

**Executive Engineer**

Elect. Distribution Division - III  
**Dakshinanchal Vidyut Vitran Nigam Ltd.**

S.No.	Item	Information/Status	Remarks
1.18	Whether carrying of sewage/gas pipe line has been proposed 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 drain in cuts and toe of slope toe of slope in the fills.	YES	
	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 proposed for crossing of road for the proposed UG electrical cable. Crossing shall be by boring method (HDD) specially where 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	

  
 संजय वर्मा / Sanjay Verma  
 परियोजना निदेशक / Project Director  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
 National Highways Authority of India  
 परियोजना कार्यान्वयन इकाई - अग्रा  
 Project Implementation Unit - Agra

  
 संजय वर्मा / Sanjay Verma  
 परियोजना निदेशक / Project Director  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
 National Highways Authority of India  
 परियोजना कार्यान्वयन इकाई - अग्रा  
 Project Implementation Unit - Agra

  
 Executive Engineer  
 Electricity Distribution Division - III  
 Dakshinanchal Vidyut Vitran Nigam Ltd.

S.No.	Item	Information/Status	Remarks
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 atleast 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	
	(c) The backfill shall be completed in two stages (i) side-fill to the level to 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 becomes 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 applicable	
4	Whether Performance Bank Guarantee 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	

Site Engineer  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/  
National Highways Authority of India  
परियोजना कार्यान्वयन इकाई-आगरा  
Project Implementation Unit-Agra

संजय वर्मा/Sanjay Verma  
परियोजना निदेशक/Project Director  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण,  
National Highways Authority of India  
परियोजना कार्यान्वयन इकाई-आगरा  
Project Implementation Unit-Agra

Electrical Engineer - III  
Dakshinanchal Vidyut Vitran Nigam Ltd.

S.No.	Item	Information/Status	Remarks
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 paid by the applicant.	YES, Enclosed	
5.7	Undertaking that prior approval 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 caused to the National Highway by the laying, maintenance 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	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 Safety organisation UTI Industry Safety Directorate State/Central Pollution Control Board and any other statutory clearances applicable. before applying to Highway Administration.	YES, Enclosed	
5.11	If the MoRTH/NHAI considers it necessary in future to move the utility line for any work for 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 0-laning "we do undertake that I will relocate services road / approach road / utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for future six laning or any other development.	YES, Enclosed	

**Site Engineer**

**भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/**

**National Highways Authority of India**

**परियोजना कार्यान्वयन इकाई-आगरा**

**Project Implementation Unit-Agra**

**संजय वर्मा/Sanjay Verma**

**परियोजना निदेशक/Project Director**

**भारतीय राष्ट्रीय राजमार्ग प्राधिकरण,**

**National Highways Authority of India**

**परियोजना कार्यान्वयन इकाई-आगरा**

**Project Implementation Unit-Agra**

**Executive Engineer**

**Electricity Distribution Division - III  
Dakshinanchal Vidyut Vitran Nigam Ltd.**

S.No.	Item	Information/Status	Remarks
6	Who will sign the agreement on behalf of Laying of UG electrical cable/HDPE Pipe	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
	Power of Attorney to sign the agreement is available or not	YES	
7	The Project Director, will submit the following Certificates.	-	
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, stability & 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 feasibility report 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, EDD Fatehabad Agra	
	(b) On behalf of NHAI	Supervision 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.		
	(a) On behalf of the Applicant	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
	(b) On behalf of NHAI	Supervision Consultant	

Site Engineer

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

National Highways

परियोजना

Project Implementation

संजय वर्मा/Sanjay Verma

परियोजना निदेशक/Project Director

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

National Highways Authority

परियोजना कार्यान्वयन इकाई-आगरा

Project Implementation Unit-A, Agra


Executive Engineer  
Electricity Distribution Division - III  
Dakshinanchal Vidyut Vitran Nigam Ltd.


S.No.	Item	Information/Status	Remarks
11	Who will pay the claims for damages done / disruption in working of concessionalre if asked by the concessionalre	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
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	

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

  
**Executive Engineer**  
**Electricity Distribution Division - III**  
**Dakshinanchal Vidyut Vitran Nigam Ltd.**

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

  
**संजय वर्मा/Sanjay Verma**  
**परियोजना निदेशक/Project Director**  
**भारतीय राष्ट्रीय राजमार्ग प्राधिकरण,**  
**National Highways Authority of India**  
**परियोजना कार्यान्वयन इकाई-आगरा**  
**Project Implementation Unit-Agra**

  
**Site Engineer**  
**भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/**  
**National Highways Authority of India**  
**परियोजना कार्यान्वयन इकाई-आगरा**  
**Project Implementation Unit-Agra**

CHECK - LIST

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

Relevant Circulars

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

Check list for getting approval for laying of Electrical Cables/HDPE Pipe at NH-509 land.

S.No.	Item	Information/Status	Remarks
1	General Information	Work under New 11 KV Feeder for Separation of Agriculture Consumer and Associated work Agra Zone (Agra District) Project	
1.1	Name and Address of the Applicant/Agency	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, Fatehabad Agra Uttar Pradesh	
1.2	National Highway Number	NH-509	
1.3	State	Uttar Pradesh	
1.4	Location	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 224.780 (NH 509 Agra Muradabad)	
1.5	(Chainage in Km)	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 224.780 (NH-509 Agra - Muradabad)	
1.6	Length in Meters	(23 Mtr. x 2 Run) x 1 Nos. = 46 Mtrs.	
1.7	Width of available ROW		
	(a) Left side from center line to tower towards increasing chainage/Km direction	11.5 Mtr. From center of road (As per drawing attached)	
	(b) Right side from center line to tower increasing chainage/Km direction	11.5 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	11.5 Mtr. From center of road (As per drawing attached)	
	(b) Right side from center line towards increasing chainage/Km direction	11.5 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	
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	IOCL Pipe Line in Both Side	
1.12	Number of existing lanes (2/4/6/8 Lanes)	2 Lane	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	No	
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 after 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 proposed on highway Bridges. If Yes, the mention the methodology	NA	

S.No.	Item	Information/Status	Remarks
1.18	Whether carrying of sewage/gas pipe line has been proposed 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 drain in cuts and toe of slope toe of slope in the fills.	YES	
	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 proposed for crossing of road for the proposed UG electrical cable. Crossing shall be by boring method (HDD) specially where 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	

Site Engineer

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/

National Highways Authority of India

परियोजना निदेशक/प्र

प्रियोजना इकाई-आगरा

Project Implementation Unit-Agra

संजय वर्मा/Sanjay Verma

परियोजना निदेशक/प्र

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/

National Highways Authority of India

परियोजना इकाई-आगरा

Project Implementation Unit-Agra

Page 2 of 6

Executive Engineer  
Electricity Distribution Division - III  
Dakshinanchal Vidyut Vitran Nigam Ltd.

S.No.	Item	Information/Status	Remarks
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 atleast 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	
	(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	
2.4.2	g) If required, a diversion shall be constructed at the expense of agency owning the utility line	NA	
	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 applicable	
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	

Site Engineer

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

National Highways Authority of India

परियोजना कार्यान्वयन

Project Implementation

संजय वर्मा Sanjay Verma

परियोजना निदेशक/Project Director

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

National Highways Authority

परियोजना कार्यान्वयन इकाई-आगरा

Project Implementation Page 3 of 6

Executive Engineer

Electricity Distribution Division - III

Dakshinanchal Vidya Vitran Nigam Ltd

S.No.	Item	Information/Status	Remarks
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 paid by the applicant.	YES, Enclosed	
5.7	Undertaking that prior approval 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 caused to the National Highway by the laying, maintenance 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	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 Safety organization, UTI Industry Safety Directorate, State/Central Pollution Control Board and any other statutory clearance's applicable before applying to Highway Administration.	YES, Enclosed	
5.11	If the MoRTH/NHAI considers it necessary in future to move the utility line for any work for 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 notwithstanding the permission granted within such time as will be stipulated by NHAI for future six laning or any other development.	YES, Enclosed	

Site Engineer

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/

National Highways Authority of India

परियोजना कार्यान्वयन इकाई-आगरा

Project Implementation Unit-Aggra

संजय वर्मा/Sanjay Verma

परियोजना निदेशक/Project Director

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण,

National Highways Authority

परियोजना कार्यान्वयन इकाई-आगरा

Project Implementation Unit-Aggra

Executive Engineer

Electricity Distribution Division - III  
Dakshinanchal Vidut Vitran Nigam Ltd

S.No.	Item	Information/Status	Remarks
6	Who will sign the agreement on behalf of Laying of UG electrical cable/HDPE Pipe	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
	Power of Attorney to sign the agreement is available or not	YES	
7	The Project Director, will submit the following Certificates.	-	
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, stability & 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 feasibility report 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 NHA 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, EDD Fatehabad Agra	
	(b) On behalf of NHA	Supervision 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.		
	(a) On behalf of the Applicant	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
	(b) On behalf of NHA	Supervision Consultant	

Site Engineer

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/  
National Highways Authority of India

परियोजना कार्यान्वयन इकाई-आगरा

Project Implementation Unit-Agra

संजय वर्मा/Sanjay Verma

परियोजना निदेशक/Project Director

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

National Highways Authority of India

परियोजना कार्यान्वयन इकाई-आगरा

Project Implementation Unit-Agra


Executive Engineer  
Electricity Distribution Division - III  
Dakshinanchal Vidyut Vitran Nigam Ltd.

S.No.	Item	Information/Status	Remarks
11	Who will pay the claims for damages done / disruption in working of concessionalre if asked by the concessionalre	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
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	

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

  
**Executive Engineer**  
**Electricity Distribution Division - III**  
**Dakshinanchal Vidyut Vitran Nigam Ltd**

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

  
 संजय वर्मा/Sanjay Verma  
 परियोजना निदेशक/Project Director  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण,  
 National Highways Authority of India  
 परियोजना कार्यान्वयन इकाई-आगरा  
 Project Implementation Unit-Agra

  
**Site Engineer**  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/  
 National Highways Authority of India  
 परियोजना कार्यान्वयन इकाई-आगरा  
 Project Implementation Unit-Agra

05

### CHECK - LIST

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

#### Relevant Circulars

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

Check list for getting approval for laying of Electrical Cables/HDPE Pipe at NH-509 land.

S.No.	Item	Information/Status	Remarks
1	General Information	Work under New 11 KV Feeder for Separation of Agriculture Consumer and Associated work Agra Zone (Agra District) Project	
1.1	Name and Address of the Applicant/Agency	<b>Executive Engineer</b> , Dakshinanchal Vidyut Vitran Nigam Limited, Fatehabad Agra Uttar Pradesh	
1.2	National Highway Number	<b>NH - 509</b>	
1.3	State	Uttar Pradesh	
1.4	Location	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 221.400 (NH 509)	
1.5	(Chainage in Km)	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 221.400 (NH 509)	
1.6	Length in Meters	(23Mtr. x 2 Run) x 1 Nos. =46 Mtrs.	
1.7	Width of available ROW		
	(a) Left side from center line to tower towards increasing chainage/Km direction	11.5 Mtr. From center of road (As per drawing attached)	
	(b) Right side from center line to tower increasing chainage/Km direction	11.5 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	11.5 Mtr. From center of road (As per drawing attached)	
	(b) Right side from center line towards increasing chainage/Km direction	11.5 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	
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	NA	
1.12	Number of existing lanes (2/4/6/8 Lanes)	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	No	
	(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 after 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 proposed on highway Bridges. If Yes, the mention the methodology	NA	

S.No.	Item	Information/Status	Remarks
1.18	Whether carrying of sewage/gas pipe line has been proposed 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 drain in cuts and toe of slope toe of slope in the fills.	YES	
	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 proposed for crossing of road for the proposed UG electrical cable. Crossing shall be by boring method (HDD) specially where 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	

S.No.	Item	Information/Status	Remarks
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 atleast 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	
	(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 applicable	
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	

Site Engineer  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/  
National Highways Authority of India  
परियोजना कार्यान्वयन इकाई-आगरा  
Project Implementation Unit-Agra

संजय वर्मा/Sanjay Verma  
परियोजना निदेशक/Project Director  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/  
National Highways Authority of India  
परियोजना कार्यान्वयन इकाई-आगरा  
Project Implementation Unit-Agra

Executive Engineer  
Electricity Distribution Division - III  
Dakshinanchal Vidyut Vitran Nigam Ltd.

S.No.	Item	Information/Status	Remarks
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 paid by the applicant.	YES, Enclosed	
5.7	Undertaking that prior approval 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 caused to the National Highway by the laying, maintenance 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	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 Safety organisation, UTI Industry Safety Directorate, State/Central Pollution Control Board and any other statutory clearance's applicable, before applying to Highway Administration.	YES, Enclosed	
5.11	If the MoRTH/NHAI considers it necessary in future to move the utility line for any work for 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 notwithstanding the permission granted within such time as will be stipulated by NHAI for future six laning or any other development.	YES, Enclosed	

*[Signature]*

**Site Engineer**  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/  
National Highways Authority of India  
परियोजना कार्यान्वयन इकाई-आगरा  
Project Implementation Unit-Agra


*[Signature]*

संजय वर्मा/Sanjay Verma  
परियोजना निदेशक/Project Director  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/  
National Highways Authority of India  
परियोजना कार्यान्वयन इकाई-आगरा  
Project Implementation Unit-Agra

*[Signature]*  
**Executive Engineer**  
Electricity Distribution Division - III  
Dakshinanchal Vidyut Vitran Nigam Ltd

S.No.	Item	Information/Status	Remarks
6	Who will sign the agreement on behalf of Laying of UG electrical cable/HDPE Pipe	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
	Power of Attorney to sign the agreement is available or not	YES	
7	The Project Director, will submit the following Certificates.	-	
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, stability & 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 feasibility report 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, EDD Fatehabad Agra	
	(b) On behalf of NHAI	Supervision 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.		
	(a) On behalf of the Applicant	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
	(b) On behalf of NHAI	Supervision Consultant	

  
**Site Engineer**  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/  
**National Highways Authority of India**  
 परियोजना कार्यान्वयन इकाई-आगरा  
**Project Implementation Unit-Agra**

  
 संजय वर्मा/Sanjay Verma  
 परियोजना निदेशक/Project Director  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/  
**National Highways Authority of India**  
 परियोजना कार्यान्वयन इकाई-आगरा  
**Project Implementation Unit-Agra**

  
**Executive Engineer**  
 Electricity Distribution Division - III  
 Dakshinanchal Vidyut Vitran Nigam Ltd

S.No.	Item	Information/Status	Remarks
11	Who will pay the claims for damages done / disruption in working of concessionalre if asked by the concessionalre	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD Fatehabad Agra	
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	

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

**Executive Engineer**  
Electricity Distribution Division - III  
Dakshinanchal Vidyut Vitran Nigam Ltd.

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

संजय वर्मा/Sanjay Verma  
परियोजना निदेशक/Project Director  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/  
National Highways Authority of India  
परियोजना कार्यान्वयन इकाई-आगरा  
Project Implementation Unit-Agra

**Site Engineer**  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/  
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