

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/ 17-09 Date: 21.11.2022 **Invitation of Public Comments**

Sub: Proposal for permission for laying of 11 KV underground electrical cable by Dakshinanchal Vidhyut Vitran Nigam Limited (DVVNL), Odhpura, Hathras by crossing the National Highway-509 at Ch.178.520, Ch.184.279, Ch.188.361, Ch.180.930, Ch.209.674 with 11 kV XLPE in District Hathras in the State of Uttar Pradesh.

The Authorized Signatory M/s DVVNL, Agra has submitted the proposal for crossing permission for laying of 11 KV underground electrical cable by Dakshinanchal Vidhyut Vitran Nigam Limited (DVVNL), Odhpura, Hathras by crossing the National Highway-509 at Ch.178.520, Ch.184.279, Ch.188.361, Ch.180.930, Ch.209.674 with 11 kV XLPE in District Hathras in the State of Uttar Pradesh.

- 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 issues with the approval of RO-West (UP).

Encl: As above.

DGM (T)

For RO-West, UP

Copy to:

1. Web Admin, NHAI-HQ- 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 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 approvel 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 Aligarh Zone (Hathras District) Project	
1.1	Name and Address of the Applicant/Agency	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD-2 132 KV S/STN Mathura Road, Hathras, Uttar Pradesh	
1 ?	National Highway Number	NII 509	
1.3	State	Uttar Pradesh	
1.4	Location	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 178.520 Km (NH 509)	
1.5	(Chainage in Km)	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 178.520 Km (NH 509)	
1.6	Length in Meters	(32.8 Mtr. x 2 Run) x 1 Nos. =65.6 Mtrs.	
1.7	Width of available ROW		
	(a) Left side from center line to tower towards increasing chainage/Km direction	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km.178.520 Km (NH 509)	
	(b) Right side from center line to tower increasing chainage/Km direction	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km.178.520 Km (NH 509)	
8	Proposal to lay the cables	UG Electrical cable / HDPE Pipe	
	(a) Left side from center line towards increasing chainage/Km direction	15.2 Mtr. From center of road (As per drawing attached)	
	(b) Right side from center line towards increasing chainage/Km direction	17.6 Mtr. From center of road (As per drawing attached)	
1.9	Proposal to acquire land	No	
	(a) Left side from center line	NA	
1 1 1 1	(b) Right side from center line Whether proposal is in the same side where land is not to be acquired	NA No land acquisition required	
	If not then where to lay the cable	Crossing at main carriageway (Below Road)	- ×
	Details of already laid services, if any, along the proposed route	NA	
	Number of existing lanes (2/4/6/8 Lanes)	2 Lane	
	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	NA	
1.14	Service road existing or not	Not	

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व दस सिंह/Dev Datt Singh

त्रप. प्रवन्धक (तक्क)/Dy. Manager (Jec.) पुजर्य येगी (Janjay Verma त्रारतीय राष्ट्रीय राजमार्ग प्राधिकरण रियोजना निवेशक/Project Director

National Highways Authority of India प्रशिक्त प्राधिकरण / परियोजना कार्यान्वयन इकाई—आ National Highways Authority of National Highways Authority of National Highways Authority of National Highways Authority of National Highways Authority

Executive Engineer

Distribution Division II

S.No.	Item	Information/Status	Remarks
	If yes then which side	NA	
	(a) Left side from center line		
1 15	(b) Right side from Center line	NA NA	
1.15	Proposed Service road	NA NA	-
	(a) Left side from center line	NA NA	
	(b) Right side from center line	NA	
1.16	Whether proposal to laying UG-Electrical Cable line is afler the service road or between the service road and main carriageway	Crossing at main carriageway (Below Road)	
1.17	Whether carrying of sewage/gas pipe line has been propsoed on highway Bridges. If Yes, the mention the methodology	NA	
1.18	Whether carrying of sewage/gas pipe line has been propsoed on parapet/any part of the bridges. If Yes, the mention the methodology	NA	
1.19	If crossings of the road involved If Yes, it shall be either encased in pipes or through structure or conduits specially built for that	YES Electrical cable will be laid in 160mm HDPE	
	purpose at the expenses of the agency owning the line.	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	
(H	d) The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe / cable.	HDPE Pipe 160mm Dia	
	e) Ends of the casing / conduit pipe / tower foundation shall be sealed from the outside, so that it does not act as a drainage path.	YES	
	f) The casing / conduit pipe should, as minimum extend from drain to dain in cuts and toe of slop toe of slope in the fills.	YES	-
	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	
	Shall be by bound memon (HDL) specially wriere the 1	By HDD Method Drawing for methodology enclosed	
	along it.	As per NHAI Norms	
2	Document / drawing, enclosed with the proposal	Drawing Enclosed	

Gal Gal ত ্রান্যক (নক০)/Dy. Manager (Tech) भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/ National Highways Authority of India परियोजना कार्यान्यस प्रकाई-आक्ष Project Implementation Unit-Agra

Gacini Pui

सजय वर्गा/Sanjay Verma Recurive Engineer Univision II परियोजना निदेशक/ Block Streeter Habras भारतीय राष्ट्रीय राजमार्ग प्राधिकरण National Highways Authority of India ्रमृत्वकेलाया कृत्यांन्ययन इकाई—आगरा Project Implementation Unit-Acra

S.No.	Item	Information/Status	Remarks
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	Drawing Enclosed	Kemarks
2.2	obstruct drainage of the road land. Cross section showing the size of pit and location of pipe line for HDD method.	Drawing Enclosed	•
2.3	Strip plan / Route plan showing the cables. chainage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drawings work etc.	YES, Drawing Enclosed	
2.4	Methodology for laying of electrical cable	By HDD Method	
2.4.1	Open trenching method (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type.) If yes, methodology of rehilling of trench. (a) The trench width should be alleast 30 cm but not more than 60cm wider than the outer diameter of the pipe.	NA 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		
0	(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	NA	
	f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	NA	
	expense of agency owning the utility line	NA VES	4
2.4.2	Horizontal Directional Drilling (HDD) method.	YES	

देव दत्त सिंह/Dev Datk Singin खप. प्रयंन्वक (त्रक०)/Dy. Manager (Tech) भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/ National Highways Authority of India परियोजना कार्यान्वयन इकाई-आगरा

संजय वम्मी Sanjay Verma Hauturas
परियोजना निवेशक/Project Director
Page 3 of 6
National Highways Authority of India

S.No.	Item	Information/Status	Remarks
	Methodology for laying of electrical cable through CD		
2.4.3	works and method of Laying. In cases where the carrying of gas pipe line on the bridge becoems	NA	
	inescapable.		
3	Draft License agreement signed by two witnesses.	YES	
	The License fee estimate as per Ministry's guidelines		
3.1	issued vide circular No. RW/NH-33044/29/2015/S&R	As per applecable	
	(R) dated 22.11.2016 Whether Performance Bank Guarnatee as Ministry's	An undertaking given by the agency towards	
4	guidelines issued vide circular No.	Performance Bank Guarantee as per extant	
4	RW/NH- 33044/29/2015/S&R (R) dated 22.11.2016 is		
	obtained.	by NHAI/MoRTH.	
4.1	Confirmation of BG has been obtained or not as per MoRTH/NHAI guidelines.	Not Submitted	
	Affidavit / undertaking from the Applicant for the		
5	following is to be furnished	Enclosed	
10000 100	Undertaking for not to Damage any other utility. If	Constitution of the consti	
5.1	damaged then to pay the losses either to NHAI	YES, Enclosed	
	or to the concerned agency.		
5.2	Undertaking for Renewal of Bank Guarantee as and when asked by MoRTH/NHAI.	YES, Enclosed	
	Undertaking for Confirming all standard		
5.3	conditions of Ministry Circulars and NHAI's	YES, Enclosed	
	guideline		
5.4	Undertaking for Indemnity against all damages and	YES, Enclosed	
NOTE OF THE PERSON OF THE PERS	Undertaking for management of traffic movement		
ក ភ	during laying of utility line without hampering the	YES, Endosed	
4.4.44	traffic.	TEG, Emalased	
	Undertaking that if any claim is raised by the		
5.6	concessionaire/contractor then the same has to	YES, Enclosed	
	be pid by the applicant.		
	Undertaking that prior apporval of the NHAI shall be obtained before undertaking any work	•	
5.7	of the installation, shifting or repairs or	YES, Enclosed	
	alterations to the utility located in the National		
	Highway right of ways.		
	Undertaking that expenditure, if any, incurred by		
3.8	NHAI for repairing any damage casued to	YES, Enclosed	
0.0	the Nationl Highway by the laying, maintanance or shifting of the utility line will be borne by the	TES, Eliciosed	
ą.	applicant agency owning the line.		
1	Undertaking that text of the license deed is as	,	
5.9	per verbatim of MoRTH format (issued Vide	YES, Enclosed	
0.0	Ministry's Circular No. RW/NH-33044/29/2015/S&R	TEO, Enologed	
	(R) dated 22.11.2016. Undertaing that the applicant has obtaind		
	various safety clearences from the representative		
	authorities such as Directorate of Electricity,		
	Chief controller of Explosives. Petroleum and		
COURSE AND SHOW THE	Explosive Safety organisation UTI Industry	YES, Enclosed	
	Safety Direcotrate State/Central Pollutino	, i 4	
	Control Board and any other statutory		
	clearence's applicable. before applying to Highway	- 19	
	Administrtation.		

देव वस सिंह/Dev Dalt Sin

उप. प्रवंच्यक (तकः)/Dy. Manager (Tech)
भारतीय राष्ट्रीय राजनार्ग प्राधिवारण/
National Highways Authority of India
परियोजना कार्यान्ययम इकाई-आगरा
Project Implementation Unit-Agra

Recentive Engineer

Bestricity Distribution Division II

संजय वर्मा/Sanjay Verma परियोजना निदेशक/Project Director भारतीय राष्ट्रीय राजमार्ग प्राधिकरण National Page 4 of 6 Authority

S.No.		Information/Status	Remarks
5.11	If the MoRTH/NHAI considers it necessary in future to move the utility line for any work fo improvement or repairs to the road it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	YES, Enclosed	
5.12	Certificate from the applicant in the following format i) Laying of UG Cable/HDPE Pipe will not have any deleterious effects on any of the bridge components and roadway safety for traffic. ii) for 6 laning "we do undertake that I will relocate services road / approach road / utilities at my own cost not withstanding the permission granted within such time as will be stipulated by NHAI for future six laning or any other development.	YES, Enclosed	
6	Who will sign the agreement on behalf of Laying of UG electrical cable/HDPE Pipe	Chief Engineer, Dakshinanchal Vidyut Vitran	
	Power of Attorney to sign the agreement is available or not	Nigam Limited, Aligarh Zone YFS	
7	The Project Director, will submit the following	<u> </u>	
7.1	Certificates. Certificate for confirming of all standard condition issued vide Ministry Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016.		
7.2	Certificate from PD in the following format (i) "It is certified that any other location of the Water Supply pipe line would be extremely difficult and unreasonable costly and the installation of Water Supply pipe line within ROW will not adversely affect the design, statbility & traffic safety of the highway nor the likely future improvement. Such as widening of the carriageway, easing of Curve etc". (ii) for 6-lanning (a) Where feasibility is available "I do certify that there will be no hindrance to proposed six-lanning based on the feasibilityreport considering proposed structures at the said location (b) In case feasibility report is not available I do certify that sufficient ROW is available at site for accommodation proposed six-laning"		
8	If NH section proposed to be taken up by NHAI on BOT basis — s cause in para 9 to be inserted in the agreement. "The permitted Highway on which license has been granted as a right to lay cable / duct, has also been granted as a right of the way to be concessional under the concession agreement for up-gradation on build, operate and transfer basis and therefore, the license shall honor the same".	NA	

Take Ris/Dev Chair Sings प्रश्न स्वाच्या (त्वाक)/Dy. Manager (Joh)
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/
National Highways Authority of India
परियोजना कार्यान्वयन उकाई—आगरा
भारतीय संद्रीय राजमार्ग प्राधिकरण/ Project Implementation Unit-Agra

National Highways Authority of India Page 5 of 6 Project Implementation Unit-A 3

S.No.	Item	Information/Status	Remarks
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, EDD2 , 132 KV S/STN Mathura Road, Hathras	
	(b) On bealf of NHAI	Suervision Consultant	
10	Who will ensure that the defects in road portion after laying of over Head electrical line are corrected and if not corrected then what action will be taken.		
	(a) On behalf of the Applicant	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD2, 132 KV S/STN Mathura Road, Hathras	
	(b) On bealf of NHAI	Suervision Consultant	
11	Who will pay the claims for damages done / disruption in working of concessionalre if asked by the concessionalre	NCC Limited Mr. Ajit Kumar(+91-7979022943) Project Manager Feeder Separation Project, Aligarh Zone (Hathras District)	
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).	<u>-</u>	
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	

Jour

[Name, Decignation and eignature of the authorised representative of Applicant]

[Name, Designation and eignature of concerned authority of NHAI/PIU/AGRA] मास्तीय राज्ट्रीय राजमार्ग प्राधिकरण/

National Highways Authority of India परियोजना कार्यान्ययन इकाई—आगरा Project Implementation Unit-Agra

Auto

वेय दत सिंह/Dev Datt Singh
जप. प्रयंच्यक (तकः)/Dy. Manager (Tech)
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/
National Highways Authority of India
परियोजना कार्यान्ययन 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 approvel 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 Aligarh Zone (Hathras District) Project	
1.1	Name and Address of the Applicant/Agency	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD-2 132 KV S/STN Mathura Road, Hathras, 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. 184.279 Km (NH 509)	
1.5	(Chainage in Km)	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 184.279 Km (NH 509)	
1.6	Length in Meters	(45 Mtr. x 2 Run) x 1 Nos. = 90 Mtrs.	
1.7	Width of available ROW		
	(a) Left side from center line to tower towards increasing chainage/Km direction	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 184.279 Km (NH 509)	
	(b) Right side from center line to tower increasing chainage/Km direction	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 184.279 Km (NH 509)	
8	Proposal to lay the cables	UG Electrical cable / HDPE Pipe	
	(a) Left side from center line towards increasing chainage/Km direction	(As per drawing attached)	
	(b) Right side from center line towards increasing chainage/Km direction	(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	
	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	NA	
1.14	Service road existing or not	Not	

खर. प्रचेताक (त्रक्क)/Dy. Manager (Recht) Project Diffectricity Distribution Division II Hathras

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/ भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/ National Highways Authority of Indianal Highways Authority of परियोजना कार्यान्ययन इकाई—आगरा Page योजन कार्यान्ययन इकाई—आगरा

S.No.		Information/Status	Remarks
	If yes then which side	NA	
	(a) Left side from center line	Ristory	
	(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	
	Whether proposal to laying UG-Electrical Cable line		
1.16	is afler the service road or between the	Crossing at main carriageway (Below Road)	
	service road and main carriageway		
	Whether carrying of sewage/gas pipe line has		
1.17	been propsoed on highway Bridges.	NA	
	If Yes, the mention the methodology		
	Whether carrying of sewage/gas pipe line has been		
1 10		NA	
1.18	propsoed on parapet/any part of the bridges.	NA	
	If Yes, the mention the methodology		
100	If crossings of the road involved	YES	
	If Yes, it shall be either encased in pipes or		
1.19	through structure or conduits specially built for that	Flectrical cable will be laid in 160mm HDPF	
	purpose at the expenses of the agency owning the		
	line.	in the with FIDD method for crossing	
	a) Whether existing drainage structure		
7	allowed to carry utility pipeline.	NA	19
	b) Is it on a line normal to NH	YES	
	c) What is the distance of crossing the utility	120	
	pipelines from the existing structures.		
	Crossings shall not be too near the existing	As per NHAI Norms	
	structures on the National Highway, the minimum distance being 15 meter.		
	d) The cacing pipe (or conduit pipe in the eace of		
	electric cable) carrying the utility line shall be of steel,		
	cast from, or reinforced cement concrete and have	HDPE Plpe 160mm Dla	
	adequate strength and be large enough to	The state of the s	
	permit ready withdrawal of the carrier pipe / cable.		
	e) Ends of the casing / conduit pipe / tower	VEC	XII I
= 1	foundation shall be sealed from the outside, so that	YES	
	it does not act as a drainage path.		
Proc.	f) The casing / conduit pipe should, as minimum	VEC.	
	[사용] [사용에 보통하다 - [사용) [사용에 발견된 [사용] [사용] [사용] [사용] [사용] [사용] [사용] [사용]	YES	× .
	toe of slope in the fills.		
	g) The top of the casing/conduit pipe / tower		
	foundation should be at least 1.2 meter below the	YES	
	surface of the road subject to bring atleast 0.3 m	5. 5. 5.	
	below the drain inverts.	1	
	below the drain inverts.		
	h) Mention the methodology propsed for crossing of		
	h) Mention the methodology propseod for crossing of road for the proposed UG electrical cable. Crossing	By HDD Method	
	h) Mention the methodology propseod for crossing of road for the proposed UG electrical cable. Crossing shall be by boring method (HDD) specially wriere the	By HDD Method Drawing for methodology enclosed	
	h) Mention the methodology propseod for crossing of road for the proposed UG electrical cable. Crossing shall be by boring method (HDD) specially wriere the existing road pavement is of cement concrete or		
	h) Mention the methodology propseod for crossing of road for the proposed UG electrical cable. Crossing shall be by boring method (HDD) specially wriere the		
	h) Mention the methodology propseod for crossing of road for the proposed UG electrical cable. Crossing shall be by boring method (HDD) specially wriere the existing road pavement is of cement concrete or		
	h) Mention the methodology propsed for crossing of road for the proposed UG electrical cable. Crossing shall be by boring method (HDD) specially wriere the existing road pavement is of cement concrete or dense bituminous concrete type. i) The casing / Conduit pipe shall be installed with an even bearing throughout its length and in such a	Drawing for methodology enclosed	
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वय दत्त सिंह/Dev Datt Singn
ज्य. प्रयंन्यक (त्तक)/Dy. Manager (सिंहम) मां/Sanjay Verma Electricity Distribution Division II
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/
परियोजना निर्देशक/Project Director — Hathras

National Highways Authority of मिसबीय राष्ट्रीय राजमार्ग प्राधिकरण/ परियोजना कार्यान्ययन इकार-आगरा Project Implementation Unit-APage श्रेणिकिकार्यान्वयन इकाई-आगरा Project Implementation Unit-Acra

S.No.	Item	Information/Status	Remarks
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.		Kemarks
2.2	Cross section showing the size of pit and location of pipe line for HDD method.	Drawing Enclosed	
2.3	Strip plan / Route plan showing the cables. chainage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drawings work etc.	YES, Drawing Enclosed	7.
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	
- 1	(a) The trench width should be alleast 30 cm but not more than 60cm wider than the outer diameter of the pipe.	NA	
	(b) For filling of the trench, bedding shall be to a depth of not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by replaced by selected material	NA	
	(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	
22	f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	NA	. a
	g) If required, a diversion shall be constructed at the expense of agency owning the utility line	NA	
	aller 1 - 1. r		

But Ris/Dev Datt Singh प्रवासक (त्रक्र)/Dy. Manager (Teofication of Project भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/

Ani/Sanjay Venno भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/

National Highways Authority of India परियोजना कार्यान्वयन इकाई—आगरा परियोजना कार्यान्वयन इकाई—आगरा Project Implementation Unit-Agra

S.No.	Item	Information/Status	Remarks
2.4.2	Horizontal Directional Drilling (HDD) method.	YES	
2.4.3	Methodology for laying of electrical cable through CD works and method of Laying. In cases where the carrying of gas pipe line on the bridge becoems inescapable.	NA	
3	Draft License agreement signed by two witnesses.	YES	
3.1	The License fee estimate as per Ministry's guidelines issued vide circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016	As per applecable	
4	Whether Performance Bank Guarnatee as Ministry's guidelines issued vide circular No. RW/NH- 33044/29/2015/S&R (R) dated 22.11.2016 is obtained.	An undertaking given by the agency towards Performance Bank Guarantee as per extant norms MoRTH per each crossing as demanded by NHAI/MoRTH.	
4.1	Confirmation of BG has been obtained or not as per MoRTH/NHAI guidelines.	Not Submitted	
5	Affidavit / undertaking from the Applicant for the following is to be furnished	Enclosed	
5.1	Undertaking for not to Damage any other utility. If damaged then to pay the losses either to NHAI or to the concerned agency.	YES, Enclosed	
5.2	Undertaking for Renewal of Bank Guarantee as and when asked by MoRTH/NHAI.	YES, Enclosed	
5.3	Undertaking for Confirming all standard conditions of Ministry Circulars and NHAI's guideline	YES, Enclosed	
5.4	Undertaking for Indemnity against all damages and claims.	YES, Enclosed	
5.5	Undertaking for management of traffic movement during laying of utility line without hampering the traffic.	YES, Enclosed	
5.6	Undertaking that if any claim is raised by the concessionaire/contractor then the same has to be pid by the applicant.	YES, Enclosed	
5.7	Undertaking that prior apporval of the NHAI shall be obtained before undertaking any work of the installation, shifting or repairs or alterations to the utility located in the National Highway right of ways.	YES, Enclosed	
5.8	Undertaking that expenditure, if any, incurred by NHAI for repairing any damage casued to the Nationl Highway by the laying, maintanance or shifting of the utility line will be borne by the applicant agency owning the line.	YES, Enclosed	
5.9	Undertaking that text of the license deed is as per verbatim of MoRTH format (issued Vide Ministry's Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016.	YES, Enclosed	
5.10	Undertaing that the applicant has obtaind various safety clearences from the representative authorities such as Directorate of Electricity, Chief controller of Explosives. Petroleum and Explosive Safety organisation UTI Industry Safety Direcotrate State/Central Pollutino Control Board and any other statutory clearence's applicable. before applying to Highway Administration.	YES, Enclosed	

Gacon IVI dacin list छम, प्रयोग्यक (ताक्क)/Dy. Manager (Tech) भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/ National Highways Authority of Page 4 of वियोजना कार्यान्वयन इकाई—आगरा Project Implementation Unit A

Executive Engineer

Electricity Distribution Division II

Hathras परियोजना निदेशक/Project Director भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/ National Highways Authority of India

Project Implementation Unit-Ac

0.11	Т 16	1.5 (1.10)	T 5 .
S.No.	Item	Information/Status	Remarks
5.11	If the MoRTH/NHAI considers it necessary in future to move the utility line for any work fo improvement or repairs to the road it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	YES, Enclosed	6
5.12	Certificate from the applicant in the following format i) Laying of UG Cable/HDPE Pipe will not have any deleterious effects on any of the bridge components and roadway safety for traffic. ii) for 6 laning "we do undertake that I will relocate services road / approach road / utilities at my own cost not withstanding the permission granted within such time as will be stipulated by NHAI for future six laning or any other development.	YES, Enclosed	
6	Who will sign the agreement on behalf of Laying of UG electrical cable/HDPE Pipe	Chief Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, Aligarh Zone	
	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, statibility & 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	

देव दत्त शिह/Dev Datt Singh dates lui छप. प्रयोध्यक (लगाठ)/Dy. Manager (Tech) भारतीय राष्ट्रीय अञ्चमार्ग प्राधिकरण/

Executive Engineer क जय वर्गा/Senjay Vermis Hathras परियोजना निवेशक/Project Director भारतीय राष्ट्रीय राजगार्ग प्राधिकरण/ National Harves Authority of Indian Page 5 अभियोजना कार्यान्ययन इकाई—आगरा
Project Implementation Unit Acre National Highways Authority of India

S.No.	Item	Information/Status	Remarks
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, EDD2, 132 KV S/STN Mathura Road, Hathras	
	(b) On bealf of NHAI	Suervision Consultant	
10	Who will ensure that the defects in road portion after laying of over Head electrical line are corrected and if not corrected then what action will be taken.		
	(a) On behalf of the Applicant	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD2, 132 KV S/STN Mathura Road, Hathras	
	(b) On bealf of NHAI	Suervision Consultant	
11	Who will pay the claims for damages done / disruption in working of concessionalre if asked by the concessionalre	NCC Limited Mr. Ajit Kumar(+91-7979022943) Project Manager Feeder Separation Project, Aligarh Zone (Hathras District)	
	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).	_	7
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	

d

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

Executive Engineer

- Hathras

Sectricity Distribution Division II

[Name, Designation and signature of concerned authority of NHAI/PIU/AGRA] भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/

National Highways Authority of India
परियोजना कार्यान्वयम इकाई—आगस
Project Implementation Unit-Agra



विद्रात पिटि/Dev Datt Singh वेय दल सिंह/Dev Datt Singh उप. प्रयंच्यम (संक०)/Dy. Manager (Tech) भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/ National Highways Authority of India परियोजना कार्यान्ययन दकाई—आगय 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 approvel for laying of Electrical Cables/HDPE Pipe at Hathras Bypass (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 Aligarh Zone (Hathras District) Project	N)
1.1	Name and Address of the Applicant/Agency	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD-2 132 KV S/STN Mathura Road, Hathras, Uttar Pradesh	
1.2	National Highway Number	HATHRAS BYPASS (NH 509)	
1.3	State	Uttar Pradesh	
1.4	Location	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 188.361 (HATHRAS BYPASS (NH 509)	,
1.5	(Chalnage in Km)	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 188.361 (HATHRAS BYPASS (NH 509)	
1.6	Length in Meters	(35 Mtr. x 2 Run) x 1 Nos. =70 Mtrs.	
1.7	Width of available ROW		
	(a) Left slde from center line to tower towards increasing chainage/Km direction	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 188.361 (HATHRAS BYPASS (NH 509)	
	(b) Right side from center line to tower increasing chainage/Km direction	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 188.361 (HATHRAS BYPASS (NH 509)	
8.	Proposal to lay the cables	UG Electrical cable / HDPE Pipe	
	(a) Left side from center line towards increasing chainage/Km direction	As per drawing attached	
	(b) Right side from center line towards increasing chainage/Km direction	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	Not	



executive Engineer Electricity Distribution Division II Hathras

ज्य, प्रवंचक (तक्क)/Dy. Managen (दिल्ही) निवेशक/Profest Onesies भारतीय राष्ट्रीय राजमार्ग प्राधिकरण भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/ National Highways Authority Mindle Highways Authority of India परियोजना कार्यान्वयन इकाई—आगुपरियोजन कार्यान्वयन इकाई—आगुपरियोजन कार्यान्वयन इकाई—आगुपरियोजन कार्यान्वयन इकाई—आगुपरियोजन कार्यान्वयन इकाई—आगुपरियोजन कार्यान्वयन

S.No.	Item	Information/Status	Remarks
5 7 5	If yes then which side	NA	
	(a) Left side from center line		
	(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	
91 14523	Whether proposal to laying UG-Electrical Cable line	1 400 000 00 000 000 00 000 00 000 000 0	
1.16	is afler the service road or between the	Crossing at main carriageway (Below Road)	1
	service road and main carriageway		
	Whether carrying of sewage/gas pipe line has	CATALON ST	
1.17	been propsoed on highway Bridges.	NA	1
	If Yes, the mention the methodology		
	Whether carrying of sewage/gas pipe line has been		
1.18	propsoed on parapet/any part of the bridges.	NA	
1.10	If Yes, the mention the methodology		
	If crossings of the road involved	YES	
	If Yes, it shall be either encased in pipes or	9.2	
1.19	through structure or conduits specially built for that	Electrical cable will be laid in 160mm HDPE	
	purpose at the expenses of the agency owning the	Pipe with HDD method for crossing	
	line.	1 10% 20%	
	a) Whether existing drainage structure	NA	
	allowed to carry utility pipeline.	22.0130.534	
	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	As per NHAI Norms	
	structures on the National Highway, the minimum	3	1
	distance being 15 meter.		
	d) The casing pipe (or conduit pipe in the case of		
	electric cable) carrying the utility line shall be of steel,		
	han an additional and a superior and the difference of the superior and the superior and difference and differ	HDPE Pipe 160mm Dia	
	adequate strength and be large enough to	TIBLET DE TOURING BIG	
	permit ready withdrawal of the carrier pipe / cable.		
	PROCESSION OF THE CONTROL OF THE CON		
	e) Ends of the casing / conduit pipe / tower		
	foundation shall be sealed from the outside, so that	YES	
	it does not act as a drainage path.		
	f) The casing / conduit pipe should, as minimum		
· /		YES	
	toe of slope in the fills.	***************************************	
	g) The top of the casing/conduit pipe / tower		
	foundation should be at least 1.2 meter below the	YES	1
	surface of the road subject to bring atleast 0.3 m	120	
	below the drain inverts.		
	h) Mention the methodology propseod for crossing of		
	road for the proposed LIG electrical cable. Crossing		
	shall be by haring method (HDD) specially wriere the	By HDD Method	
	existing road pavement is of cement concrete or	Drawing for methodology enclosed	
	dense bituminous concrete type.		
	i) The casing / Conduit pipe shall be installed with an		
	even bearing throughout its length and in such a	As per NHAI Norms	
	manner as to prevent the formation of a waterway	Ve her ratificities	
	along it.		
2	Document / drawing enclosed with the proposal	Drawing Enclosed	

देव वस सिंह/Dev Datt Singh छप. प्रयंन्धक (तक०)/Dy. Manager (Tech) भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/ National Highways Authority of India परियोजना कार्यान्ययम द्वकाई—आगया Project Implementation Unit-Agra

संजय वर्मा/Sanjay Verma
परियोजना नियेशक/Pro, ३८१ कावर्गाः
भारतीय राष्ट्रीय राजपार्गं प्रात्र वरण/
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Electricity Distribution Division II
Hathras

Executive Engineer

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) 1)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-O-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. 2.2 Cross section showing the size of pit and location of pipe line for HDD method. Strip plan / Route plan showing the cables, chanage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drawings work etc. 2.4 Methodology for laying of electrical cable Open tenching method (May be allowed in utility corridor only where pawment is neither centent of the pipe. (b) For filling of the trench, bedding shall be to a depth of not less than 30 cm II shall consist of granular material, free of lumps, clods and cobbles and graded to yiold a firm surface without oudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by replaced by selected material and nock edged should be excavated and replaced by replaced by selected material to the bettom of the road crust. (c) The backfill shall be completed in two stages (s) side-fill to the elvel fo the top of the pipe and (ii) vorfill to the bottom of the road crust to estimate 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 parmitted. e) The road crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the terench. f) The excavation shall be protected by flagman, si	S.No.	Item	Information/Status	Remarks
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(i) side-fill to the elvel fo the top of the pipe and (ii) ovorfill to the bottom of the road crust. 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. e) The road crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours. 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 gradod to yield a firm ourface without oudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced	NΛ	
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e) The road crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours. A) If required a diversion shall be constructed at the		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		
and barricades and red lights during night hours.		e) The road crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the	NA	
a) If required a diversion shall be constructed at the			NA	
expense of agency owning the utility line		g) If required, a diversion shall be constructed at the expense of agency owning the utility line	NA NA	

हैव इस सह/Dev Datt Singh खप. मर्यन्यक (त्रक्क)/Dy. Manager (Tegle)(जना निर्देशक/Pto and Duas of भारतीय राष्ट्रीय राजनार्ग प्राधिकरण/ परियोजना कार्यान्ययन इकाई-आगरा

संजय घर्मा Ganjay Verma

Executive Engineer Electricity Distribution Division II Hathras -

National Highways Authority of Indiational Highways Authority of Indiational Highways Authority ("india परियोजना कार्यान्ययन इकार्ड-आगण पश्चिष्ठe 3 of 6 न्वयन इकाई-आगरा Project Implementation Unit-Agra Project Implementation Unit-Agra

S.No.	Item	Information/Status	Remarks
2.4.2	Horizontal Directional Drilling (HDD) method.	YES	- Nomano
2.1.2	Methodology for laying of electrical cable through CD	120	
0.40	works and method of Laying. In cases where the	la c	
2.4.3	carrying of gas pipe line on the bridge becoems	NA	
	inescapable.		
3	Draft License agreement signed by two witnesses.	YES	
	The License fee estimate as per Ministry's guidelines		
3.1	issued vide circular No. RW/NH-33044/29/2015/S&R	As per applecable	
	(R) dated 22.11.2016		
	Whether Performance Bank Guarnatee as Ministry's	An undertaking given by the agency towards	
4	guidelines issued vide circular No.	Performance Bank Guarantee as per extant	
(T. 10)	RW/NH- 33044/29/2015/S&R (R) dated 22.11.2016 is	norms MoRTH per each crossing as	
	obtained.	demanded by NHAI/MoRTH.	ļ
4.1	Confirmation of BG has been obtained or not as per	Not Submitted	
	MoRTH/NHAI guidelines.		
5	Affidavit / undertaking from the Applicant for the	Enclosed	
	following is to be furnished Undertaking for not to Damage any other utility. If		
5.1	damaged then to pay the losses either to NHAI	YES, Enclosed	
5.1	or to the concerned agency.	TEO, Endosed	
7).	Undertaking for Renewal of Bank Guarantee		
2.2	as and when asked by MoRTH/NHAI.	YES, Enclosed	
	Undertaking for Confirming all standard		
5.3	conditions of Ministry Circulars and NHAI's	YES, Enclosed	
	guideline		
5.4	Undertaking for Indemnity against all damages and	YES, Enclosed	
5.4	claims.	TEO, Enclosed	
-	Undertaking for management of traffic movement		
5.5	during laying of utility line without hampering the	YES, Enclosed	
	traffic.		
5.6	Undertaking that if any claim is raised by the concessionaire/contractor then the same has to	YES, Enclosed	1
5.0	be pid by the applicant.	TES, Eliciosed	
	Undertaking that prior apporval of the NHAI shall		
	be obtained before undertaking any work	.!	
5.7	of the installation, shifting or repairs or	YES, Enclosed	
-	alterations to the utility located in the National	and the second s	
	Highway right of ways.		
	Undertaking that expenditure, if any, incurred by		
	NHAI for repairing any damage casued to		
5.8		YES, Enclosed	
	shifting of the utility line will be borne by the		
	applicant agency owning the line.		
	Undertaking that text of the license deed is as		
5.9	per verbatim of MoRTH format (issued Vide Ministry's Circular No. RW/NH-33044/29/2015/G&R	YES, Enclosed	
	(R) dated 22.11.2016.	-	
	Undertaing that the applicant has obtaind		
	various safety clearences from the representative		
	authorities such as Directorate of Electricity,	a g	
	Chief controller of Explosives. Petroleum and		
5.10	Explosive Safety organisation UTI Industry	YES, Enclosed	
200000000000000000000000000000000000000	Safety Direcotrate State/Central Pollutino		
- 1	Control Board and any other statutory		
	clearence's applicable. before applying to Highway		
	Administration.	3	

चेय दत्त सिंत/Do Dell Sirigh जप. प्रयंग्यक (तत्त्वाक)/Dy. Manager (Techyliotz यम) Sanjay Verma भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/ National Highways Authority of India भारतीय राष्ट्रीय राजन में प्राधिकरण परियोजना कार्यान्वयन इकाई-आगरा Project Implementation Unit-Agra

परियोजना निदेशक/P.u. act Director

National Highways Authority of India Rage 4 of 6 यांन्ययन इकाई-आगरा Project Implementation Unit-

Executive Engineer Electricity Distribution Division II Hathras -

S.No.	Item	Information/Status	Remarks
	If the MoRTH/NHAI considers it necessary in		
	future to move the utility line for any work fo		
	improvement or repairs to the road it will be carried		
5.11	out as desired by the NHAI at the cost of the	YES, Enclosed	
	agency owning the utility line within a reasonable		
	time (not exceeding 60		1
	days) of the intimation given.		
	Certificate from the applicant in the following		
	format		
	i) Laying of UG Cable/HDPE Pipe will not have any		1
	deleterious effects on any of the bridge components		
	and roadway safety for traffic.		
5.12	ii) for 6 laning "we do undertake that I will relocate	YES, Enclosed	
0.12		reo, enolosed	1
	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.	Chief Frainces Deliching and al Vident Vitron	
6	Who will sign the agreement on behalf	Chief Engineer, Dakshinanchal Vidyut Vitran	
	of Laying of UG electrical cable/HDPE Pipe	Nigam Limited, Aligarh Zone	
	Power of Attorney to sign the	YES	
2	agreement is available or not		
7	The Project Director, will submit the following	i	1 2
	Certificates.		
Associated to	Certificate for confirming of all standard condition		
7.1	issued vide Ministry Circular No. RW/NH-	-	
	33044/29/2015/S&R (R) dated 22.11.2016.		
	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		ŀ
	Water Supply pipe line within ROW will not		1
	adversely affect the design, statbility & traffic safety		
	of the highway nor the likely future improvement.		
7.2	Such as widening of the carriageway, easing of		
1.2	Curve etc".		
	(ii) for 6-lanning		
	(a) Where feasibility is available " I do certify that		
<i>—</i>	there will be no hindrance to proposed six-lanning	a a	
	based on the feasibilityreport considering	I.	
	proposed structures at the said location		
	(b) In case feasibility report is not available		
	I do certify that sufficient ROW is available	W I	
	at site for accommodation proposed six-laning"		
	and the second s		
	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		
	(BET) (10) :		
	which license has been granted as a right to lay	NIA.	
	cable / duct, has also been granted as a right of	INA	
	the way to be concessional under the		
	concession agreement for up-gradation on build,	2	
	operate and transfer basis and therefore, the		
	license shall honor the same".		
	Gagos M.	To and a part of the same of t	

Galeri (41 उप. प्रबंधक (सक्क)/Dy. Manager (Tech)परियोजना निवेशक/Project Director

Project Implementation Unit-Apr

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/ National Highways Authority of India National Highways Authority of India परियोजना कार्यान्ययन इकाई-आगरा

संजय भा/Sanjay Verma

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/

परिकेश्वर कुर्जा हिवयन इकाई-आगरा Project Implementation Unit-Agra

Electricity Distribution Division II

Hathras -

S.No.	Item	Information/Status	Remarks
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, EDD2 , 132 KV S/STN Mathura Road, Hathras	
	(b) On bealf of NHAI	Suervision Consultant	
10	Who will ensure that the defects in road portion after laying of over Head electrical line are corrected and if not corrected then what action will be taken.		
	(a) On behalf of the Applicant	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD2, 132 KV S/STN Mathura Road, Hathras	
	(b) On bealf of NHAI	Suervision Consultant	
11	Who will pay the claims for damages done / disruption in working of concessionalre if asked by the concessionalre	NCC Limited Mr. Ajit Kumar(+91-7979022943) Project Manager Feeder Separation Project, Aligarh Zone (Hathras District)	3
	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	1 2

al

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

Executive Engineer >
Electricity Distribution Division II
Hathras

Jui

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

भारतीय राज्य राजगार्ग प्राधिकरण/ Netice (w ays Authority of India परित, अन्य- इकाई-आगरा Projection Unit-Agra



Edamily!

वेव चत सिंह/Dev Datt Singh छप. प्रयंचक (तक०)/Dy. Manager (Tech) भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/ National Highways Authory of India परियोजना कार्याच्याव Project Implementation

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 approvel 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 Aligarh Zone (Hathras District) Project	e e
1.1	Name and Address of the Applicant/Agency	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD-2 132 KV S/STN Mathura Road, Hathras, Uttar Pradesh	
()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. 180.93 Km (NH 509)	
1.5	(Chainage in Km)	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 180.93 Km (NH 509)	
1.6	Length in Meters	(42.2 Mtr. x 2 Run) x 1 Nos. =84.4 Mtrs.	
1.7	Width of available ROW		
	(a) Left side from center line to tower towards increasing chainage/Km direction	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 180.93 Km (NH 509)	
	(b) Right side from center line to tower increasing chainage/Km direction	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 180.93 Km (NH 509)	
1.8	Proposal to lay the cables	UG Electrical cable / HDPE Pipe	
0	(a) Left side from center line towards increasing chainage/Km direction	per drawing attached	
	(b) Right side from center line towards increasing chainage/Km direction	As per drawing attached	
1.9	Proposal to acquire land	No	
	(a) Left side from center line	NA	
1.10	(b) Right side from center line Whether proposal is in the same side where land is not to be acquired	NA No land acquisition required	
	If not then where to lay the cable	Crossing at main carriageway (Below Road)	
	Details of already laid services, if any, along the proposed route	NA	
	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	Not	

एष. प्रवंश्वक (सकः)/Dy. Manager (Techrisa वर्गा/Sanjay Verma lectricity Distribution Division II भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/ परियोजना निवेशक/Project Director Hathras

National Highways Authority of India भारतीय राष्ट्रीय राजमार्ग प्राधिकरण Pagel2tofr@al Highways Authority of India परियोजना कार्यान्वयन इकाई-आगरा

7			
1	If yes then which side	NA .	
	(a) Left side from center line	IN/A	
	(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	
	Whether proposal to laying UG-Electrical Cable line		
1.16	is afler the service road or between the	Crossing at main carriageway (Below Road)	
NW	service road and main carriageway		
	Whether carrying of sewage/gas pipe line has	1	
1.17	been propsoed on highway Bridges.	NA .	
	If Yes, the mention the methodology		
	Presidente de la		
	Whether carrying of sewage/gas pipe line has been		
1.18	propsoed on parapet/any part of the bridges.	NA	
	If Yes, the mention the methodology	1	
	If crossings of the road involved	YES	-
	If Yes, it shall be either encased in pipes or	1123	
1 10		Flactrical cable will be laid in 160mm UDDF	1 1
1.19	through structure or conduits specially built for that		
	purpose at the expenses of the agency owning the	Pipe with HDD method for crossing	
	line.		
	a) Whether existing drainage structure	NA	
	allowed to carry utility pipeline.	VEO	
	b} Is it on a line normal to NH	YES	
	c) What is the distance of crossing the utility		1 1
	pipelines from the existing structures.		
	Crossings shall not be too near the existing	As per NHAI Norms	
	structures on the National Highway, the minimum	w	
	distance being 15 meter.		
	d) The casing pipe (or conduit pipe in the case of		
	electric cable) carrying the utility line shall be of steel,		
		HDPE Pipe 160mm Dia	
		INDEE FIRE TOOTHIN DIA	
	adequate strength and be large enough to		1 1
	permit ready withdrawal of the carrier pipe / cable.	00	
	e) Ends of the casing / conduit pipe / tower	3	
	foundation shall be sealed from the outside, so that	YES	1 1
	it does not act as a drainage path.	100 m 100 m	100
	f) The casing / conduit pipe should, as minimum		
	extend from drain to dain in cuts and toe of slop	YES	
	toe of slope in the fills.		
	g) The top of the casing/conduit pipe / tower		
10	foundation should be at least 1.2 meter below the		
	surface of the road subject to bring atleast 0.3 m	YES	
	below the drain inverts.		
	Francisco de la companio del companio de la companio della compani		
1	h) Mention the methodology propseod for crossing of		
	road for the proposed UC electrical cable. Crossing	By HDD Method	
	shall he hy horing method (HDD) specially wriere the		
	existing road pavement is of cement concrete or	Drawing for methodology enclosed	
	dense bituminous concrete type.		
	i) The casing / Conduit pipe shall be installed with an		
	even bearing throughout its length and in such a	As per NHAI Norms	
	manner as to prevent the formation of a waterway	n van val mentit. Pedit divisit deletati (2000)	
	along it.		
2	Document / drawing enclosed with the proposal	Drawing Enclosed	

अपिता पिट्र वर्ष साह/Dev Datt Singin वर्ष सम्बद्धाः (चक्क)/Dy. Manager (Tech) भारतीय पार्ट्याय पानामां प्राधिकरण/ National Highways Authority of India परियोजना कार्यान्यम् प्रवाई-आवता Project Implementation Unit-Agra

पिया वर्मा/Sanjay Verma ectricity Distribution Division II परियोजना निवेशक/Project Director Hathras भारतीय राज्यीय राजमार्ग प्राधिकरण/Nutional Highways Authority क्ष्मिक प्राप्तिक कार्यान्ययन इकाई—आगरा

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-Chevay 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. 2.2 Cross section showing the size of pit and location of pipe line for HDD method. Strip pian / Route plan showing the cables. Chalinage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drawings work etc. 2.4 Methodology for laying of electrical cable Open trenching method (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type.) If ves. methodology or felling of trench. (a) The trench width should be alleast 30 cm but not more than 60cm wider than the outer diameter of the pipe. (b) For filling of the trench. (ca) The packfill shall be completed in two stages (i) side-fill to the election of the road rost of granular material, free of tumps, 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 that had been removed. Consolidation by saturation or ponding will not be permitted. (c) The lockfill shall be completed in two stages (i) side-fill to the bettom of the road crust. (d) The cids fill chall consict of granular material laid in 15cm layers each consolidated by mechanical tampering and controlled addition of moisture to 90% of the proceded by replaced by selected material that had be			
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chainage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drawings work etc. 2.4 Methodology for laying of electrical cable Open trenching method (May be allowed in utility corridor only where pavement is neither cement concrete nor dense billuminous concrete type.) If yes, methodology of refilling of trench. (a) The trench width should be alleast 30 cm but not more than 60cm wider than the outer diameter of the pipe. (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 (c) The backfill shall be completed in two stages (i) side-fill to the elvel for the top of the pipe and (ii) overfill to the bottom of the road crust. d) The cide fill fall conciet of granular material laid in 15cm layers each consolidated by mechanical tampering and controlled addition of moisture to 50% 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. e) The road crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench. f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours. g) If required, a diversion shall be constructed at the expense of agency owning the utility line 2.4.2. Horizontal Directional Drilling (HDD) method.	2.2	location of pipe line for HDD method.	Drawing Enclosed
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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. (a) The trench width should be alleast 30 cm but not more than 60cm wider than the outer diameter of the pipe. (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 (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. d) The cido fill ishall concist 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. e) The road crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours. g) if required, a diversion shall be constructed at the expense of agency owning the utility line 2.4.2. Horizontal Directional Drilling (HDD) method.	2.4		By HDD Method
30 cm but not more than 60cm wider than the outer diameter of the pipe. (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 (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. d) Tho cido 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. e) The road crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours. g) If required, a diversion shall be constructed at the expense of agency owning the utility line 2.4.2 Horizontal Directional Drilling (HDD) method. YES	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.	
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and barricades and red lights during night hours. g) If required, a diversion shall be constructed at the expense of agency owning the utility line 2.4.2 Horizontal Directional Drilling (HDD) method. YES		e) The road crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the	NA
expense of agency owning the utility line 2.4.2 Horizontal Directional Drilling (HDD) method. YES		그렇게 하면 하는 아이들은 아이랑 하는 아이들은 아이들은 아이들은 사람들이 아이들은 아이들은 아이들은 아이들은 아이들은 아이들은 아이들은 아이	NA
		expense of agency owning the utility line	520-51
Executive Engineer	2.4.2		YES

Electricity Distribution Division N हा प्रकार कि प्रतिकार कि प्रतिकारण मिने स्वाप्ति प्रतिकारण मिने स्वाप्तिकारण मिने स्वाप्ति स्वाप्तिकारण मिने स्वापितिकारण मिने स्वाप्तिकारण मिने स्वापितिक dance his National Highways Authority of India
National Highways Authority of India
परियोजना कार्यान्ययन उकाई—आगरा
Page 3 of 6
Project Implementation Unit-Agra

Executive Engineer

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.	e
4.1	Confirmation of BG has been obtained or not as per MoRTH/NHAI guidelines.	Not Submitted	
5	Affidavit / undertaking from the Applicant for the following is to be furnished	Enclosed	-
5.1	Undertaking for not to Damage any other utility. If damaged then to pay the losses either to NHAI or to the concerned agency.	YES, Enclosed	-
5.2	Undertaking for Renewal of Bank Guarantee as and when asked by MoRTH/NHAI.	YES, Enclosed	
5.3	Undertaking for Confirming all standard conditions of Ministry Circulars and NHAI's guideline	YES, Enclosed	
5.4	Undertaking for Indemnity against all damages and claims.	YES, Enclosed	
5.5	Undertaking for management of traffic movement during laying of utility line without hampering the traffic.	YES, Enclosed	
5.6	Undertaking that if any claim is raised by the concessionaire/contractor then the same has to be pid by the applicant.	YES, Enclosed	
5.7	Undertaking that prior apporval of the NHAI shall be obtained before undertaking any work of the installation, shifting or repairs or alterations to the utility located in the National Highway right of ways.	YES, Enclosed	
8	Undertaking that expenditure, if any, incurred by NHAI for repairing any damage casued to the NationI Highway by the laying, maintanance or shifting of the utility line will be borne by the applicant agency owning the line.	YES, Enclosed	
5.9	Undertaking that text of the license deed is as per verbatim of MoRTH format (issued Vide Ministry's Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016.	YES, Enclosed	
5.10	Undertaing that the applicant has obtaind various safety clearences from the representative authorities such as Directorate of Electricity, Chief controller of Explosives. Petroleum and Explosive Safety organisation UTI Industry Safety Directorate State/Central Pollutino Control Board and any other statutory clearence's applicable. before applying to Highway Administration.	YES, Enclosed	

भारतीय शब्द्रीय शक्तमार्ग प्राधिकपण्/ National Highways Authority of India परियोजना कार्यान्ययन इकाई-आगरा Project Implementation Unit-Agra

संजय वर्गा/Sanjay Vermaculive Engineer जप. प्रवंचाक (सक्क)/Dy. Manager (Tech) परियोजना निदेशक/Project Direction Division II भारतीय राष्ट्रीय राजगार्ग प्राधिकल्या hras National Highways Authority c परियोजना कार्यान्वयन इकाई-आगरा Project Implementation Unit-

5.11	If the MoRTH/NHAI considers it necessary in future to move the utility line for any work fo improvement or repairs to the road it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	YES, Enclosed
5.12	Certificate from the applicant in the following format i) Laying of UG Cable/HDPE Pipe will not have any deleterious effects on any of the bridge components and roadway safety for traffic. ii) for 6 laning "we do undertake that I will relocate services road / approach road / utilities at my own cost not withstanding the permission granted within such time as will be stipulated by NHAI for future six laning or any other development.	YES, Enclosed
6	Who will sign the agreement on behalf of Laying of UG electrical cable/HDPE Pipe	Chief Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, Aligarh Zone
	Power of Attorney to sign the	YES
7	agreement is available or not 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, statbility & traffic safety of the highway nor the likely future improvement. Such as widening of the carriageway, easing of Curve etc". (ii) for 6-lanning (a) Where feasibility is available "I do certify that there will be no hindrance to proposed six-lanning based on the feasibilityreport considering proposed structures at the said location (b) In case feasibility report is not available I do certify that sufficient ROW is available at site for accommodation proposed six-laning"	
8	If NH section proposed to be taken up by NHAI on BOT basis — s cause in para 9 to be inserted in the agreement. "The permitted Highway on which license has been granted as a right to lay cable / duct, has also been granted as a right of the way to be concessional under the concession agreement for up-gradation on build, operate and transfer basis and therefore, the license shall honor the same".	NA

देव दूर्री जिं।

अव दस सिर्ह/Dev Datt Singn

उप. प्रयंसक (सकः)/Dy. Manager (Tech)
भारतीय सन्दीय साजमार्ग प्राधिकरण/
National Highways Authority of India
परियोजना कर्मान्याम सुमार्ग-आगा।
Project Implementation Page 5 of 6

Executive Engineer
Electricity Distribution Division II
संजय वर्मा/Sanjay Vermanas
गिर्माजना निर्देशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/
National Highwaya Authority ।
परियोजना कार्यान्ययम इकाई—आगरा
Project Implementation Unit-

9	Who will supervise the work of laying of UG		
9	Electrical Cable/HDPE Pipe		
		Executive Engineer, Dakshinanchal Vidyut	
	(a) On behalf of the Applicant	Vitran Nigam Limited, EDD2 , 132 KV S/STN	
		Mathura Road, Hathras	
	(b) On bealf of NHAI	Suervision Consultant	
	Who will ensure that the defects in road portion		
10	after laying of over Head electrical line are		
10	corrected and if not corrected then what action		
	will be taken.		
		Executive Engineer, Dakshinanchal Vidyut	
	(a) On behalf of the Applicant	Vitran Nigam Limited, EDD2 , 132 KV S/STN	1
		Mathura Road, Hathras	
	(b) On bealf of NHAI	Suervision Consultant	
		NCC Limited	
	Who will pay the claims for damages done /	Mr. Ajit Kumar(+91-7979022943)	
11	disruption in working of concessionalre if asked by the	Project Manager	
	concessionalre	Feeder Separation Project,	
		Aligarh Zone (Hathras District)	
	A certificate from Project Director that he will		
12	enter the proposed permission in the register of	_ *	14
12	records of the permission in the prescribed proforma	-	- 1
	(copy enclosed).		
	If any previous approval is accorded for laying of UG		
12	electrical cable then photocopy of register of	NA	
13	records of permissions accorded as maintained by	IN/A	
	Project Director may be enclosed	4	
11 12	Who will pay the claims for damages done / disruption in working of concessionalre if asked by the concessionalre 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). If any previous approval is accorded for laying of UG electrical cable then photocopy of register of records of permissions accorded as maintained by	NCC Limited Mr. Ajit Kumar(+91-7979022943) Project Manager Feeder Separation Project,	



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

Electricity Distribution Division II

du

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

भारतीय राष्ट्रीय पाजपार्ग प्राधिकरण/ National Highways Authority of India परियोजना कार्यान्वयन इकाई—आगरा Project Implementation Unit-



देव दत्त सिंह/Dev Datt Singn चय. प्रयंचाक (सक्क)/Dy. Manager (Tech) भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/ National Highways Authority of India परियोजना कार्यान्वयन इकाई—आग्रास 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 approvel 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 Aligarh Zone (Hathras District) Project	
1.1	Name and Address of the Applicant/Agency	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD-4 Jaitai road, Sadabad, Hathras, Uttar Pradesh	
0.2	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. 209.674 (NH 509)	
1.5	(Chainage in Km)	Road crossing of UG Flectrical Cable/HDPF Pipe (Two run) at Km. 209.674 (NH 509)	
1.6	Length in Meters	(42 Mtr. x 2 Run) x 1 Nos. =84 Mtrs.	
1.7	Width of available ROW		
	(a) Left side from center line to tower towards increasing chainage/Km direction	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 209.674 (NH 509)	
	(b) Right side from center line to tower increasing chainage/Km direction	Road crossing of UG Electrical Cable/HDPE Pipe (Two run) at Km. 209.674 (NH 509)	
1.8	Proposal to lay the cables	UG Electrical cable / HDPE Pipe	
0	(a) Left side from center line towards increasing chainage/Km direction	As per drawing attached	
-	(b) Right side from center line towards increasing chainage/Km direction	As per drawing attached	
1.9	Proposal to acquire land	No	
	(a) Left side from center line	NA .	
1.10	(b) Right side from center line Whether proposal is in the same side where land is not to be acquired	NA 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	Not	

देव दत सिंह/Dev Datt Singh जप. प्रयंच्यक (सक०)/Dy. Manager (Te भारतीय चाष्ट्रीय चाजमार्ग प्राधिकरण/ National Highways Authority of Ind वियोजना कार्यान्ययम धुकाई—आगरा

प्रियोजना निवेशक/Project Director भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/ National Highways Authority ह

Project langlementation Unit-A

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S.No.	Item	Information/Statuş	Remarks
,	If yes then which side	NA	
	(a) Left side from center line	1000 00	
	(b) Right side from Center line	NA	
1.15	Proposed Service road	NA	
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.16	Whether proposal to laying UG-Electrical Cable line is afler the service road or between the service road and main carriageway	Crossing at main carriageway (Below Road)	
1.17	Whether carrying of sewage/gas pipe line has been propsoed on highway Bridges. If Yes, the mention the methodology	NA	
1.18	Whether carrying of sewage/gas pipe line has been propsoed on parapet/any part of the bridges. If Yes, the mention the methodology	NA	
1.19	If crossings of the road involved If Yes, it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expenses of the agency owning the line.		
)	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	
- 1	e) Ends of the casing / conduit pipe / tower foundation shall be sealed from the outside, so that it does not act as a drainage path.	YES	
	f) The casing / conduit pipe should, as minimum extend from drain to dain in cuts and toe of slop toe of slope in the fills.	YES	
	g) The top of the casing/conduit pipe / tower foundation should be at least 1.2 meter below the surface of the road subject to bring atleast 0.3 m below the drain inverts.	YES	
	h) Mention the methodology propseod for crossing of road for the proposed UG electrical cable. Crossing shall be by boring method (HDD) specially wriere the existing road pavement is of cement concrete or dense bituminous concrete type.	By HDD Method Drawing for methodology enclosed	ir in
1	manner as to prevent the formation of a waterway along it.	As per NHAI Norms	
2 [Document / drawing enclosed with the proposal	Drawing Enclosed	

वेव वस सिंह/Dev Datt Singh

चेय वस सिंह/Dev Datt Singh
जप. प्रयंच्यक (तक्क)/Dy. Manager (ech)
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/
National Highways Authority of India
परियोजना कार्याच्यन इकाई आगरा
Project Implementation Unit-Page 2 of 6

अधिशासी अभियन्ता विद्युत वितरण खण्ड सादाबाद

S.No.	Item	Information/Status	Remarks
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.		ā
2.2	Cross section showing the size of pit and location of pipe line for HDD method.	Drawing Enclosed	
2.3	Strip plan / Route plan showing the cables. chainage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drawings work etc.	YES, Drawing Enclosed	
2.4	Methodology for laying of electrical cable	By HDD Method	
2.4.1	Open trenching method (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type.) If yes, methodology of refilling of trench.	NA	
	(a) The trench width should be alleast 30 cm but not more than 60cm wider than the outer diameter of the pipe.	NA	·
	(b) I or tilling 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	
5	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	
8	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 अधियानी अभियन्ता	

वस सिंह/Dev Delt Singh संजय कि /Sanjay Verma परियोजना निवेशक/Project Singh परियोजना परियोजना प्राधिकरण/ भारतीय राष्ट्रीय राजमार्ग प्राधिकरण/ National Highways Authority of I परियोजना कार्यान्वयन इकाई-आएग Project Imatempres of the

National highways Authority carnel a Page 3 of 6 Project Implementation Unit-Ac a

विद्युत वितरण खण्ड सादाबाद

S.No.	Item	Information/Status	Remarks
2.4.2	Horizontal Directional Drilling (HDD) method.	YES	
2.4.3	Methodology for laying of electrical cable through CD works and method of Laying. In cases where the carrying of gas pipe line on the bridge becoems inescapable.	NA	
3	Draft License agreement signed by two witnesses.	YES	
3.1	The License fee estimate as per Ministry's guidelines issued vide circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016	As per applecable	
4	Whether Performance Bank Guarnatee as Ministry's guidelines issued vide circular No. RW/NH- 33044/29/2015/S&R (R) dated 22.11.2016 is obtained.	An undertaking given by the agency towards Performance Bank Guarantee as per extant norms MoRTH per each crossing as demanded by NHAI/MoRTH.	
4.1	Confirmation of BG has been obtained or not as per MoRTH/NHAI guidelines.	Not Submitted	
5	Affidavit / undertaking from the Applicant for the following is to be furnished	Enclosed	
5.1	Undertaking for not to Damage any other utility. If damaged then to pay the losses either to NHAI or to the concerned agency.	YES, Enclosed	
5.2	Undertaking for Renewal of Bank Guarantee as and when asked by MoRTH/NHAI.	YES, Enclosed	
5.3	Undertaking for Confirming all standard conditions of Ministry Circulars and NHAI's guideline	YES, Enclosed	
5.4	Undertaking for Indemnity against all damages and claims.	YES, Enclosed	
5.5	Undertaking for management of traffic movement during laying of utility line without hampering the traffic.	YES. Enclosed	
5.6	Undertaking that if any claim is raised by the concessionaire/contractor then the same has to be pid by the applicant.	YES, Enclosed	
5.7	Undertaking that prior apporval of the NHAI shall be obtained before undertaking any work of the installation, shifting or repairs or alterations to the utility located in the National Highway right of ways.	YES, Enclosed	
5.8	Undertaking that expenditure, if any, incurred by NHAI for repairing any damage casued to	YES, Enclosed	
5.9	Undertaking that text of the license deed is as per verbatim of MoRTH format (issued Vide Ministry's Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016.	YES, Enclosed	
5.10	Undertaing that the applicant has obtaind various safety clearences from the representative authorities such as Directorate of Electricity, Chief controller of Explosives. Petroleum and Explosive Safety organisation UTI Industry Safety Direcotrate State/Central Pollutino Control Board and any other statutory clearence's applicable. before applying to Highway Administration.	YES, Enclosed	

देव दत्त सिंह/Dev Datt Single देव दत्त सिंह/Dev Dalt Singh जप. प्रयोग्यक (ताक)/Dy. Manager (तिका) भारतीय राजीय राजामार्च प्राधिकारण/ National Highways Authority of National Highways Authority of

अधिशासी अभियन्ता विद्युत वितरण खुण्ड सादाबाद

S.No.		Information/Status	Remarks
	If the MoRTH/NHAI considers it necessary in		
	future to move the utility line for any work fo		
	improvement or repairs to the road it will be carried		
5.11	out as desired by the NHAI at the cost of the	YES, Enclosed	
	agency owning the utility line within a reasonable		
	time (not exceeding 60		
	days) of the intimation given.	*	
	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.	0 "	
5.12	ii) for 6 laning "we do undertake that I will relocate	YES, Enclosed	
	services road / approach road / utilities at my		ľ
	own cost not withstanding the permission		
	granted within such time as will be stipulated by	4	
	NHAI for future six laning or any other		
	development.	A Company of the Comp	
6	Who will sign the agreement on behalf	Chief Engineer, Dakshinanchal Vidyut Vitran	
-	of Laying of UG electrical cable/HDPE Pipe	Nigam Limited, Aligarh Zone	
	Power of Attorney to sign the	YES	
	agreement is available or not	120	
7	The Project Director, will submit the following	_	
5.1	Certificates.	0	
	Certificate for confirming of all standard condition		
7.1	issued vide Ministry Circular No. RW/NH-	_	
	33044/29/2015/S&R (R) dated 22.11.2016.		
	Codificate from DD in the following		
	Certificate from PD in the following format		a
	Company of Property		
	(i) "It is certified that any other location of the Water		
	Supply pipe line would be extremely difficult and		
	unreasonable costly and the Installation of		
	Water Supply pipe line within ROW will not		
	adversely affect the design, statbility & traffic safety		
	of the highway nor the likely future improvement.		
7.2	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		147
	I do certify that sufficient ROW is available		
	at site for accommodation proposed six-laning"		
	2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		
	If NH section proposed to be taken up by NHAI on		
	BOT basis — s cause in para 9 to be inserted in		
i	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	NA	
	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".		

Ragin Rig/Dev Datt Singh Gatera Vy1" hways Authority of Ind Page 5 of 6 uplementation to

Oje -

संज्यामी/Sanjay Verma
परियाजना निवेशक/Project Direct विद्युत वितरण खण्ड उप प्रशंक्यक (चक्क)/Dy. Manager (Tec Nation : सिर्दाण अपनिवस्त स्थानिक अपनिवस्त । प्रशिक्ष अपनिवस्त

अधिशासी अभियन्ता सादाबाद

S.No.	Item	Information/Status	Remarks
9	Who will supervise the work of laying of UG Electrical Cable/HDPE Pipe	E .	
	(a) On behalf of the Applicant	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD4, Jatai Road,Sadabad, Hathras	
	(b) On bealf of NHAI	Suervision Consultant	
10	Who will ensure that the defects in road portion after laying of over Head electrical line are corrected and if not corrected then what action will be taken.		
	(a) On behalf of the Applicant	Executive Engineer, Dakshinanchal Vidyut Vitran Nigam Limited, EDD4, Jatai Road,Sadabad, Hathras	
	(b) On bealf of NHAI	Suervision Consultant	
11	Who will pay the claims for damages done / disruption in working of concessionalre if asked by the concessionalre	NCC Limited Mr. Ajit Kumar(+91-7979022943) Project Manager Feeder Separation Project, Aligarh Zone (Hathras District)	
j2	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] सादाबाद

परियोजना क्यांक/Project Director [Name, Designation and signature of concerned authority of NHAI/PIU/AGRA]

Project Implementation Unit-Agra



मान्तीय राष्ट्रीय राजमार्ग प्राधिकरण/ Marianal **Highways Authority of** India परियोजना **कार्यान्ययन इकाई-आए**स Project Implementation Unit-Agra