

Dated: 16.01.2019

Invitation of public comments

Sub.: Proposal for permission of NOC for underground crossing of 02 Nos. 33 KV, 3x300 Sq.m. XLPE insulated cable at Km. 61.250 and overhead construction of 33 KV line from Km.61.250 to Km.61.600 on NH-25, Lucknow - Kanpur section, Tehsil & District - Unnao in the State of Uttar Pradesh - Reg.

1. The Executive Engineer, Electricity Distribution Division - 1, MVVNL, Unnao has submitted the proposal for underground crossing of 02 Nos. 33 KV, 3x300 Sq.m. XLPE insulated cable at Km. 61.250 and overhead construction of 33 KV line from Km.61.250 to Km.61.600 on NH-25, Lucknow - Kanpur section, Tehsil & District - Unnao to the Project Director, NHAI, PIU, Lucknow.

2. As per the guidelines, issued by the Ministry vide OM No.RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, the application shall be put out in the public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

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

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

Encl.: As above

Yours faithfully,

(Ankit Verma)

Executive Engineer
for Chief Engineer - Regional Officer

Copy to:

- (i) NIC, New Delhi - for uploading on the Ministry's website.
- (ii) The Regional Officer, UP - East, National Highways Authority of India, S-2/656, A-3B, Varuna Vihar Colony, 2nd & 3rd Floor, One Place Tower, Sikraul, Varanasi - 221 002.
- (iii) The Executive Engineer, Electricity Distribution Division - 1, MVVNL, 33/11 KV Sub-Station, Priya Darshini Nagar, Unnao - 209 801.

(Ankit Verma)

Executive Engineer
for Chief Engineer - Regional Officer

CHECK LIST

Guidelines for project Directors for processing the proposal of Overhead & U/G crossing/ laying optical fiber/HT Cables/Water supply pipe line etc. by private parties in the land along National Highway with NHAI.

Relevant Circulars

Ministry Circular No. RW/NH-33044/29/2015/S&R (R) Dated- 22/11/2016

Check-List for getting approval for Overhead & U/G crossing/laying of optical fiber/HT Cables/Water supply pipe line etc. on NH Land.


S.No.	Item	Information/Status	NHAI Guidelines	Remarks
1	General Information			
1.1	Name and Address of the Applicant/Agency	Office of the Executive Engineer, Madhyanchal Vidyut Vitaran Nigam Limited, EDD-1, Unnao-U.P., - 209801	Office of the Executive Engineer, Madhyanchal Vidyut Vitaran Nigam Limited, EDD-1, Unnao-U.P., - 209801	
1.2	National Highway Number	N.H.-25	N.H.-25	
1.3	State	Uttar Pradesh	Uttar Pradesh	
1.4	Location	Near Hussainpur/Kasimnagar Village, Tehsil & District- Unnao-U.P.	Near Hussainpur/Kasimnagar Village, Tehsil & District- Unnao-U.P.	
1.5	(Chain age in KM)	61/250 TO 61/600 (Lucknow-Kanpur Section)	61/250 TO 61/600 (Lucknow-Kanpur Section)	
1.6	Length in Meters	0M	0M	
1.7	Width of available ROW			
	(a) Left side from Centre line towards increasing Chain age/KM direction.	40 M	30 M	
	(b) Right side from Centre line towards increasing chain age/KM direction	40 M	30 M	

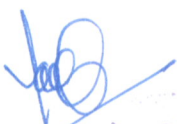
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परिचालना निदेशक
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)
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1.8	Proposal to lay the OFC Cable			
	(a) Left side from Centre line towards increasing Chain age/KM direction.	NA	Yes	
	(b) Right side from Centre line towards increasing chain age/KM direction	NA		
1.9	Proposal to acquire land			
	(a) Left Side From Centre Line.	Not Required	As per direction given by NHAI official	
	(b) Right side from Centre line.	Not Required	As per direction given by NHAI official	
1.10	Whether proposal is in the same side where land is not to be acquired.	Not Required	NA	
	If not then where to lay cable	Within Available ROW	Within Available ROW	
1.11	Details of already laid services, if any, along the proposed route.	NO	NA	
1.12	Number of Lanes (2/4/6/8 Lanes) existing	4-Lane	4	
1.13	Proposed Number of Lanes (2 Lanes with paved shoulder/4/6/8 Lanes)	Not Proposed	NA	
1.14	Service Road existing or not, if yes then which side			
	(a) Left side from Centre Line.	Does Not Exist	NA	
	(b) Right side from Centre line.	Does Not Exist	NA	
1.15	Proposed Service Road			
	(a) Left side from Centre line	Not Proposed	NA	



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	(b) Right side from Centre line	Not Proposed	NA	
1.16	Whether proposal to lay cable is after the service road or between the service road and main carriageway.	Extreme Edge Of RoW	After the service road	
1.17	The permission for laying OFC/HT Cables shall be considered for approval/rejection.	Approval	Yes	
	(i) Where the ROW is more than 45M then the duct cable shall be laid at the edge of right of way within the utility corridor of 2M width, dully keeping in view the future widening.	Extreme Edge of RoW	Power cable will be laid at a distance of 1 M from edge of ROW	
	(ii) Where land is yet to be acquired for 4 Laning and the position of new carriageway has been decided then the cable shall be laid at the edge of right of way within the utility corridor of 2 M width, on that side of existing carriageway where extra land is not proposed to be acquired for 4 laning.	Not Required	NA	



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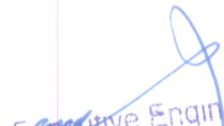

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	(iii) Where the widening plan for 4-laning is not yet decided and available ROW is around 30 M or less, a judicious decision would need to be taken for permitting the laying of cable/duct. This could be within 1.5 M to 2M of utility corridor at the edge of existing ROW, dully keeping in view the possible widening plans.	4-Lane	NA	
	(iv) Where ROW is restricted and adequate only to accommodate the carriageway, Centre verge, shoulders and drains(e.g. Highways in currying through hilly, rolling terrain) the Cables shall be laid clear of the drain.	Plain Terrain (Edge of ROW)	NA	
	(v) Where land strip for utility corridor cannot be conveniently earmarked (available ROW restricted to the toe of the embankment) for laying of cable/ducts, the permission may be refused.	Available	NA	
1.18	Number of Applicants of the same stretch.	Single Applicant	NA	



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1.19	Whether the case of multiple licenses.	Single	NO	
1.20	If so furnish a joint implement programmer to lay their respective ducts within stipulated time frame.	No	NA	
1.21	If crossing of the Road involved, if yes, it shall only be through trenchless technology.	Yes	Yes	
2.	Document/Drawing enclosed with the Proposal.	Drawing Enclosed	Yes	
2.1	The Number, Size and the material of the conductor and wires and cable along with the N.H. each wire under phase, neutral each, guard, bearer and ground cross wire should be separately described and their disposition indicated by means of sketch.	A)ACSR DOG Conductor dia.03x100 Sq. M. Unit weight-0.494 Kg per M. B) 33 KV 03X300 Sq. M. Cable. C) Overall dia of Earth Wire-8 SWG	Cable will be laid by HDD Method	
2.2	System of supply(1.e Voltage) frequency, no. of phases, whether neutral is earthed or not.	33 KV, 03 PHASE Single circuit with 01 earth wire.	Yes	
2.3	Height above ground level of (1) lowest conductor on insulator and (2) guard wire on bracket above ground level.	Height ground level to conductor- 10 Mtr.	Yes	


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2.4	Height of Road level above ground level measured at the foot of the structure.	61/250- 03M.	Yes	
2.5	Clearance under maximum sag condition between road level and the lowest live conductors & between road level and lowest guard wire(State if box type guarding is provided in case of adoptions of unearthed neutral system.	At Road- 10 Mtr.	Yes	
2.6	Are the proposed structure is in NH boundary.	Outside NH Boundary	Outside NH Boundary	
2.7	Are approved anti climbing devices and warning notices provided on the structures erected.	BARBED Wire & Danger Board are provided.	BARBED Wire & Danger Board are provided.	
2.8	Dimensions and type of brackets used for the cross arms as well as for the guards wire.	F-Brackets-100X386 V-X-ARMS- 1525X565 MM	F-Brackets-100X386 V-X-ARMS- 1525X565 MM	
2.9	In each structure supported by means of stage in tree conditions give the size of guy wires, (the neglected in calculating the strength of structure.	Guys or stays are provided structures are self-supporting.	Guys or stays are provided structures are self-supporting.	
2.10	If no guard is provided, in the transmission line protected by device to ensure	Yes the HT Line is protected instantaneously by high speed	Yes the HT Line is protected instantaneously by high speed protection	

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	instantaneous isolation is conduction ?	protection relays with carrier equipment.	relays with carrier equipment.	
2.11	Type of insulator used.	Saremic discs of electromechanical strength if single disc- 70 KN	Saremic discs of electromechanical strength if single disc- 70 KN	
2.12	To reduce the hazard to life and property.	Warning Boards are provided.	Warning Boards are provided.	
2.13	Supporting structure including guys, from the danger of being struck by moving road vehicles.	Structures are at safe distance from Road.	Structures are at safe distance from Road.	
2.14	Drawing showing details of crossing disturbance of road ground or attachment that may be necessary.	Enclosed	Enclosed	
2.15	NORMAL SPAN AT LAPWING CONDUCTOR	50 M.	50 M.	
2.16	MAX. SAG AT NORMAL SPAN	4.5 M.	4.5 M.	
2.17	CROSSING SPAN	NOT APPLICABLE	NOT APPLICABLE	
2.18	Preceding & Succeeding Span	50 M.	50 M.	



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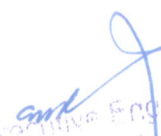

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2.19	Height of structure above ground and below ground separately and details of foundation.	9.2 M Above the ground & 1.8M Below the ground & grouting with 1:3:6.	9.2 M Above the ground & 1.8M Below the ground & grouting with 1:3:6.	
2.20	SAG OF 3*3 ACSR CONDUCTOR AND 33 KV 3X300 Cable	ACSR- .350 KM XLPE CABLE-.100 KM	ACSR- .350 KM XLPE CABLE-.100 KM	
2.21	Cross section showing the size of Trench for open trenching method (Is it normal size of 1.65M deep X 0.5 M wide.	By HDD	By HDD	
2.22	Cross section showing the size of Pit location of Cable for HDD method.	Shown in Drawing	Shown in Drawing	
2.23	Strip plan/Route plan showing the OFC/Cable, Chain age, Width of ROW, Important Mile Stone, intersections, cross drainage works etc.	Shown in Drawing	Shown in Drawing	
2.24	Methodology of laying of OFC	Enclosed	Enclosed	
2.25	Open trenching method. If yes, methodology of refilling of trench.	Trenchless	Trenchless	
2.26	Horizontal Directional Drilling (HDD) Method	Yes Through HDD	Yes Through HDD	
2.27	Laying OFC/Cable through CD works and method of laying (Whether to be hung outside parapet)	NA	NA	
3.	Draft License Agreement Signed by Two Witnesses	Yes	Yes	



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4.	Performance Bank Guarantee.	Yes	Yes	
5.	Affidavit/Undertaking from the Applicant For.....			
5.1	Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the Concerned Agency.	Yes Enclosed	Yes	
5.2	Renewal of Bank Guarantee	NA	Yes	
5.3	Confirmation all standard condition of NHAI'S Guidelines	Yes Enclosed	Yes	
5.4	Shifting of OFC/Cable as and when required by NHAI.	Yes Enclosed	Yes	
5.5	Shifting due to 6-laning/widening of N.H.	Yes Enclosed	Yes	
5.6	Indemnity against all damages and claims clause (xxiv)	Yes Enclosed	Yes	
5.7	Traffic movement during laying of OFC/Cable to be managed by the Applicant.	Yes Enclosed	Yes	
5.8	If any claim is raised by the concessionaries then the same has to be paid by the Applicant.	Yes Enclosed	Yes	
5.9	Certificate for 6-laning from the applicant in following format.	Yes Enclosed	Yes	



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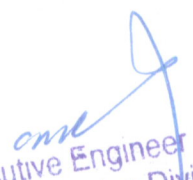

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	" We do undertake that I will relocate service Road/Approach Road/Utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for future Six-Laning or Any Other Development."		Yes	
6.	Power of Attorney in favour of Authorized Signatory.	Yes Enclosed	Yes Enclosed	
7.	Copy of DOT License	Yes Enclosed	Yes Enclosed	
8.	Certificate from the Project Director	Yes Enclosed	Yes Enclosed	
8.1	Certificate from confirming of all standard condition issued vide Ministry Circular No. RW/NH-33044/29/2015/S&R® Dated- 22/11/2016	Yes	Yes	
8.2	Certificate for 4-Laning from PD in the following format.	4-Lane Construction <u>is in Process</u>	4-Lane Construction <u>is in Process</u>	
	(a) Where feasibility is available " I do certify that there will be no hindrance to proceed 6-Laning base on the Feasibility report considering proposed structure at the said location.	NA	NA	
	(b) In case Feasibility report is not available "I do certify that sufficient ROW is available at site for accommodate proposed 6-Laning."	NA	NA	

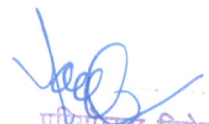

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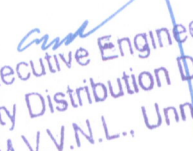

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9	License Fee	Agreement Fee will be submitted after issuing Demand Note	Yes	
10	If NH Section proposed to be taken up NHAI on BOT basis- a clause in Para-17 to be inserted in the Agreement. " The permitted Highway on which License has been granted the right of way to the concessionaire under the concession agreement for up-gradation of (.....Section From Km.....to Km.....of NHAI No.....on Build, Operate and Transfer Basis)		Yes	
11	Who will Supervise the work of Laying of OFC/Cable	Office of the Executive Engineer, Madhyanchal Vidyut Vitaran Nigam Limited, EDD-1, Unnao-209801	Office of the Executive Engineer, Madhyanchal Vidyut Vitaran Nigam Limited, EDD-1, Unnao-209801	
12	Who will ensure that the defects in Road Portion after laying of OFC/Cable are corrected and if not corrected then what action will be taken.	Office of the Executive Engineer, Madhyanchal Vidyut Vitaran Nigam Limited, EDD-1, Unnao - 209801	Office of the Executive Engineer, Madhyanchal Vidyut Vitaran Nigam Limited, EDD-1, Unnao-209801	
13	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the Concessionaire.	Office of the Executive Engineer, Madhyanchal Vidyut Vitaran Nigam Limited, EDD-1, Unnao - 209801	Office of the Executive Engineer, Madhyanchal Vidyut Vitaran Nigam Limited, EDD-1, Unnao-209801	


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14	A Certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed Performa (Copy Enclosed) issued vide Ministry Circular RW/NH-33044/29/2015/S&R ® Dated 22/11/2016.	Yes	Yes	
15	If any previous approval is accorded for laying of Cable then photocopy if register of records of permissions accorded as maintained by PD (as per Ministry Circular No. RW/NH-33044/29/2015/S&R® Dated 22/11/2016 as referred in para 13 above is enclosed or not.	NA	NA	

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28/08/18
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