



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-334/Km. 58+973/132KV/OH/1212

Dated: 15.02.2022

Invitation of Public Comments

Sub: Proposal of M/s DFCCIL (Dedicated Freight Corridor Corporation of India Ltd.) for permission of NH-334 NOC for Overhead Power Line crossing at 58+973 in District-Bulandshahr for 132 KV D/C Gulaothi-Wair overhead Transmission Line in District- Bulandshahr.

The Manager, Power Grid H.V.D.C.-Dadri has submitted the proposal for permission of NH-334 NOC for Overhead Power Line crossing at 58+973 in District-Bulandshahr for 132 KV D/C Gulaothi-Wair overhead Transmission Line in District-Bulandshahr in the State of Uttar Pradesh.

2. From the submitted proposal, it is seen that structures (Transmission Towers) on either side are being erected at distance of 80.00m & 117.00m respectively from either side of NH boundary. Crossing span of the structure is 242.00m. Further, the minimum vertical clearance of 25.849m between the lowest conductor of the proposed line and NH carriageway shall be maintained. However, the proposed transmission line shall be crossing the National Highway at 90° degree.

3. 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).

4. 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 Regional Officer,
National Highways Authority of India
Regional Office, UP-West, Lucknow
3/248, Vishal Khand, Gomti Nagar
Lucknow-226 010

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

Encl: As above.

(Handwritten signature)
15/02/22

(N.P. Singh)
DGM (T)

For RO-UP (West)

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 Manager, Power Grid H.V.D.C.-Dadri for information.
4. The PD, PIU-Meerut for information.

CHECK-LIST

Project director for processing the proposal of lane overhead electrical line crossing national highway vested with NHAI

Circular/Codes:-

Ministry circular No. NH-III/P/20/77 Dated 08.04.1982

Indian Electricity Act 1910

Indian Electricity Rule 1956

IRC:32-1969

IS:5613-1976 Part I to IV

For getting the approval for layering of overhead electrical line along the National Highway NH-334 Vested with NHAI

Sr. No.	Item	Information/ Status	Remarks
1	General Information	132 kv D/C Gulaothi-Wair	
1.1	Name and Address of the Applicant/ Agency	POWERGRID Corporation of India Limited HVDC Terminal, Vidyut nagar, Gautam Budh Nagar-201008	
1.2	National Highway Number	NH-334	
1.3	State	Uttar Pradesh	
1.4	Location	Chhaparawat, Gulaothi	
1.5	Chainage in KM	58+9.73	
1.6	Length in Meters	Span (242 mtr)	
1.7	Width of available ROW	27.00 Mtrs	
	(a) Left side from center line towards increasing Chainage/ km direction	13.50 Mtrs	
	(b) Right side from center line towards increasing Chainage/ km direction	13.50 Mtrs	
1.8	Proposal of crossing Power Line		
	(a) Left side from center line towards increasing Chainage/ km direction	As Above	
	(b) Right side from center line towards increasing Chainage/ km direction	As Above	
1.9	Proposal of acquire		
	(a) Left side from center line	Not Applicable	
	(b) Right side from center line	Not Applicable	
1.10	Whether proposal is in the same side where land is not be acquired	Not Applicable	
	If not then where to lay the cable	Not Applicable	
1.11	Details of already laid services, if any, along the proposed route	Not Applicable	
1.12	Number of existing lanes (2/4/6/8 lanes)	4	
1.13	Proposed number of Lanes (2 lane with paved shoulders/4/6/8 lanes)	Already 4 lane	
1.14	Service road existing or not		
	If yes, then which side		
	(a) Left side from center line	Not Applicable	
	(b) Right side from center line	Not Applicable	
1.15	Proposed service road		
	(a) Left side from center line	Not Applicable	
	(b) Right side from center line	Not Applicable	
1.16	Whether proposal to lay crossing power cable is after the service road or between the service road and main carriageway	Overhead crossing Proposed tower Beyond ROW	
1.17	Whether carrying of crossing power cable has been proposed on highway bridge. If yes, then mention the methodology proposed for the same	Not Applicable	

Project Director
National Highway Authority of India
PIU-Meerut

N. Verma


नवीन वर्मा- NAVEEN VERMA

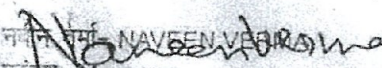
प्रबंधक- Manager

पावरग्रिड- POWERGRID

एच.वी.डी.सी.-दादरी, H.V.D.C.,-DADRI

Sr. No.	Item	Information/ Status	Remarks
1.19	1- of Crossing of the road involved a) Crossing angle for NH and provide length along the highway b) Structure (Tower, pole and for HT line only tension tower) for crossing shall not be too near the existing structure on the national highway. The minimum distance being 15 meters. i) Type of existing / proposed structure of national highway	Yes a) 90°0'00", and 242.00 meters b) i) Nil ii) Distance is 80 MTR and 117.00 MTR	
	c) The overhead lines and their supporting poles/ towers should ordinarily be placed at the extreme edge of the road land boundary. In any case these shall be at least 10 mtrs. away from the edge of existing shoulder of extreme traffic lane. Where the existing road way is narrower than the minimum according to standard or where the widening is proposed for any reason the lateral clearance shall be reckoned with respect to ultimate road way. What is the horizontal clearance from the extreme edge of the road land boundary?	Not Applicable Horizontal clearance is 80.00 MTR (Tower no AP 9/0) and 117.00 MTR (Tower No AP 10/0)	
	(d) overhead lines and their supporting poles/ towers should originally be placed at the minimum distance of 5.0 m from the nearest line of avenue trees What is the horizontal clearance from the nearest line of avenue tree?	NA(Over Head Transmission line Crossing)	
	(e) In mountain / hilly terrain the overhead line should be erected preferably only the valley side as far away as practicable. In hilly region label of ground at the suitable distance below the outer conductor on either side from the central line is	Plain terrain	
	(f) The horizontal clearance in respect of poles erected from the purpose of street lighting in urban situation shall be as under.	Not Applicable	
	i) For road with Minimum 300 mm from Raised kerbs 300 from the aged of nearest Kerb preferably 600 mm	Not Applicable	
	ii) For road with At least 1.5 m from the edge of the carriage way Raised kerbs subject to minimum 5.0 from the central line of carriage way.	Not Applicable	
	(g) The pylons of HT lines along crossing the road shall be located outside the NH land	Not Applicable	
	(h) For crossing the line of same voltage or lower voltage, suspension / tension tower with suitable extensions shall be used.	Not Applicable	
	(i) Ground clearance from the lowest conductor of the HT lines.	25.849 Meter	


 Project Director
 National Highway Authority of India
 PII-Meerut


 Manager
 POWERGRID
 एच.वी.डी.सी.-ददरी, H.V.D.C.,-DADRI

Sr. No.	Item	Information/ Status	Remarks
2.13	transmissions line installation shall be carried out by trained and experienced personal and supervised by technically qualified persons competent to undertake such work.	Yes	
2.14	applicant ensures the safety of the highway traffic against the hazard of the high voltage lines during installation operations and maintenance	Yes	
2.15	Undertake the compliance with Indian Electricity rules and other authorities regulations all overhead lines shall comply with the requirement of the Indian Electricity act and rules made their under and the regulation or specification as laid down by NHAI	Yes	
	other documents and drawing to be furnished by the applicant.	Yes	
3.1	Methodology for laying of overhead electric line	Yes	
3.2	Darft licence agreement	Yes	
3.3	Performance bank guarantee in favor of NHAI has to be obtain at the Rs 100/-per running, meter parallel to NH and Rs. 1 00000/- per crossing of NH For 8 period of one year initially (extendable if required till satisfactory completion of work) as a security for insuring making good the area, clearing debris/Tonse earth etc. produced in the right of way. No payment shall be payable by the NHAI to the licence for clearing debris/loose earth.	Yes	
3.4	Strip plan/route plan showing overhead electrical line, lchainage with of ROW, distance of proposed structure (tower pole and fbr HT line only tension towers) from the edge of ROW important milestone intersection cross drainage works any other structure existing of proposed etc.	Yes	
4	Certificate from project director	Not Applicable	
4.1	Certificate for confirming that the proposal has been examined with respect to the structures and developmental work considered at this location and compliance of the standard conditions issued vide ministry circular no. NS- II I/P/20/77 dated 08.04. 1982 indian electricity Act 1910 Indian Electricity rules 1956 [RC : 32-5613-1 976 pari I to 1V of (N H A1) and N H A1's guideline.	Yes	

N. Verma

नवीन वर्मा- NAVEEN VERMA

प्रबंधक- Manager

पावरग्रिड- POWERGRID

एच.वी.डी.सी.-दादरी, H.V.D.C.,-DADRI

Project Director
National Highway Authority of India
PIU-Meerut

Sr. No.	Item	Information/ Status	Remarks
4.2	Certificate from project director		
4.3	i) It is certified that any other location of the electric line would be extremely difficult and unresonable costly and the installation of electric line within ROW will not adversely affect the design, stability and traffic safety of the highway nor the likely future improvement such as widening of the carriage way easing of kerb ect.	Not Applicable	
	ii) For 6 laning a) Where feasibility is available "I do certify that there will no hindrance to propose 6 laning based on the feasibility report considering proposed structures at the said location." b) In case feasibility report is not available "do certify that sufficient ROW is available at site for accommodation of six laning."	Not Applicable	
5	If NH section proposed to be taken up by NHAI on BOT basis B clause is to be inserted in the agreement "The permitted highway on which license has been granted the right to lay overhead electrical line also been granted as a right of way to the concessionaire under the concession agreement for up gradation of."	Not Applicable	
6	Who Will supervise the work of laying of overhead electrical line	POWERGRID Corporation of India Limited	
7	Who will sign the agreement on behalf of overhead electrical line agency	Sr.GM Dadri	
8	Who will ensure that the defect in road portion after laying of overhead electrical arc corrected and if not corrected that what action will be taken	Done by POWERGRID on behalf of DFCCIL	
9	Who will pay the claim for damages done/disruption in working of concessionaire if asked by the concessionaire.	Done by POWERGRID on behalf of DFCCIL	
10	A certificate from PD that he will enter the proposed permission in register of record of the permission in the prescribed Form (copy enclosed)	Enclosed/ NHAI	

N. Verma

नवीन वर्मा- NAVEEN VERMA

प्रबंधक- Manager

पावरग्रिड- POWERGRID

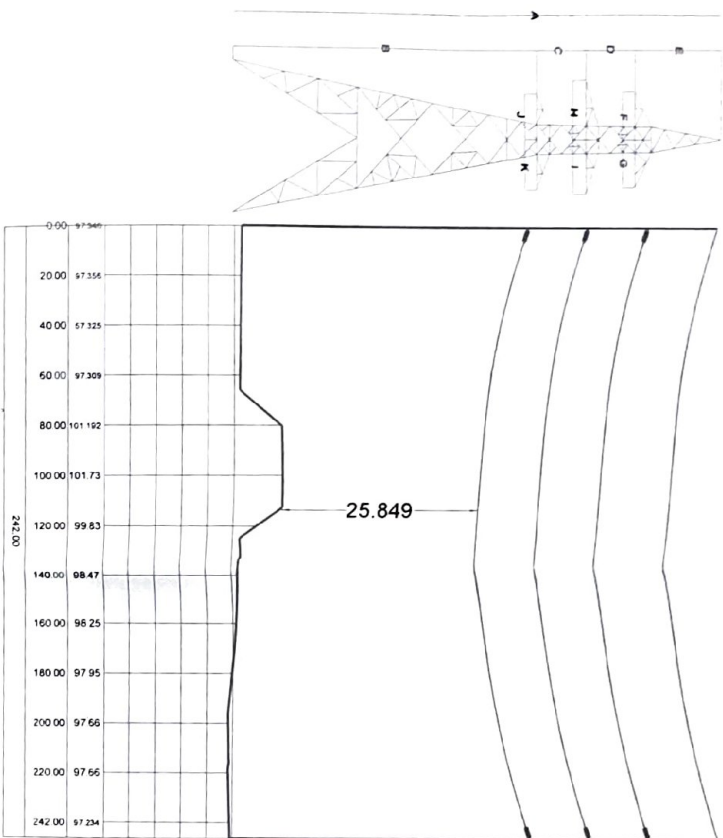
एच.वी.डी.सी.-दादरी, H.V.D.C.,-DADRI

[Signature]
Project Director
National Highway Authority of India
PIU-Meerut

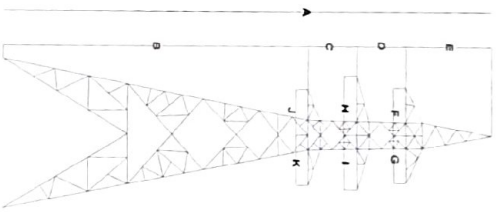
LOC NO.-900
DD+18

LOC NO.-1000
DD+18

Span	Span No.	Span Length (m)
A	1	47.845
B	2	51.513
C	3	4.6
D	4	4.6
E	5	7.615
F	6	4.45
G	7	3.73
H	8	6.15
I	9	4.95
J	10	5.25
K	11	4.05



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N.H. PROPOSAL

On Bulandshahra-Meerut National Highway (NH - 334)
Near Village- Chhaprawat

LOC NO :- 90/TO 100

Conductor Parameters With Conduction		
1. NATURAL SPAN	320.3	6°C, 32°C, 75°C
2. CONDUCTOR	7. GROUND CLEARANCE	6100.0mm
3. CABLE DIAMETER	21.0mm	2884.4kg
4. AREA	2.615 mm ²	1786.3kg
5. WEIGHT	0.974kg/m	7.000
	13. MAXIMUM SAG (T) MM (M)	

SL No	DESCRIPTION	SYMBOL	5 No	DESCRIPTION	SYMBOL
1	Large Road with Alignment Shown as		11	Major Road Right Hand Shown as	
2	Small Road with Alignment Shown as		12	Minor Road Right Hand Shown as	
3	Over Road Right Hand Shown as		13	Over Road Left Hand Shown as	
4	Over Road Right Hand Shown as		14	Over Road Left Hand Shown as	
5	Over Road Right Hand Shown as		15	Over Road Left Hand Shown as	
6	Over Road Right Hand Shown as		16	Over Road Left Hand Shown as	
7	Over Road Right Hand Shown as		17	Over Road Left Hand Shown as	
8	Over Road Right Hand Shown as		18	Over Road Left Hand Shown as	
9	Over Road Right Hand Shown as		19	Over Road Left Hand Shown as	
10	Over Road Right Hand Shown as		20	Over Road Left Hand Shown as	

SL No	DESCRIPTION	CLEARANCE REQUIRED (Mts)
1	GROUND CLEARANCE + SAG ERROR (150mm)	6.250
2	ROAD CROSSING	8.60
3	POWER LINE CROSSING	3.10
4	RAILWAY CROSSING	17.90
5	ROAD CROSSING SPAN	< 320

CLIENT : POWER GRID CORPORATION OF INDIA LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)

PROJECT : 132KV D/C GULAOHI TSS (RAILWAY) TO - WAIR
TSS (DFCCIL) Transmission Line

Drawing No. SHEET NO - 1 OF 1
For NS INFRA PROJECTS PVT LTD

Checked by: [Signature]
For POWER GRID CORPORATION OF INDIA LIMITED
Approved by: [Signature]
Project Director
National Highway Authority of India
P.W. Section
P.W. Section