



सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली संचार विकास प्रभाग
Power System Communication Development Division

CEA Case No. : RAJ-736		
Induced Voltage (IV) Calculation for PTCC proposal of 220 kV D/C line from 400/220 kV Jaisalmer-II S/s to proposed 220/33 kV PSS of M/s Green Infra Wind Energy Ltd. at Village Naya Loona Kalan (Length: 13.256 kms) - regd.		
S. No	Reference No.	Dated
(i)	GIWEL/PTCC/CR 26122023	26.12.2023
(ii)	BSNL: DET/PTCC/ND/DV-10334/Raj-1459/2023-24	21.03.2024
(iii)	North Western Railway: SG/158/NWR/PTCC/951	15.02.2024
(iv)	Defense: B/46937/Sigs 7(b)/3682	01.05.2024

The PTCC proposal submitted vide reference (i) has been examined. BSNL vide reference (ii) has stated that "there is no BSNL line and circuit in the periphery of 8 km of the proposed power line". North Western Railway vide reference (iii) and DG Signals, MoD vide reference (iv) has issued their No Objection certificate (NOC) for charging of the line.

EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7 kV	d (mts) at 10 kV
220/33 kV PSS of M/s GIWEL at Village Naya Loona Kalan	265	35	0.5	10520	6870	398	199

As per the details submitted by BSNL vide reference (ii) above, no telephone exchanges are falling in the EPR zone of the proposed substation.

Taking above into consideration, necessary action for issuance of PTCC route approval may be taken under intimation to this office.

Chief Engineer

To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL, O/o GM (North), QA & Inspection Circle D-Tax Building, Eastern Court, Janpath New Delhi-110001	
2.	M/s Green Infra Wind Energy Limited	5 th Floor, Tower C, Building No. 8, DLF Cybercity, Gurugram – 122 002	For information