



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

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CEA Case No. : RAJ – 860		
<b>Induced Voltage (IV) calculation for PTCC proposal of 220 kV D/C line from 220/33 kV PSS of Wind Power Project of M/s Juniper Green Stellar Private Limited to 220/33 kV PSS of Solar Power Project of M/s Juniper Green Stellar Private Limited at Barmer, Rajasthan (Length: 29 kms)</b>		
S. No	Reference No.	Dated
(i)	CEA/PTCC/JUNIPER-220KV/TL/01/05/2025 (received on 26.05.2025)	05.05.2025
(ii)	BSNL: DE/PTCC/NZ/BSNL-TD/DV-10694/Raj-1701/2025-26	19.02.2026
(iii)	North Western Railway: SG/158/NWR/PTCC/1138	24.06.2025
(iv)	Defense: B/46937/Sigs-(b)/4827	12.08.2025

The PTCC proposal submitted vide reference (i) has been examined. As per the Telecom Details submitted by BSNL vide above reference (ii), there is no copper cable or armoured OFC within 8 km boundary of the proposed route. Dy. CSTE/Tele, North Western Railway, vide reference (iii), and DG Signals, MoD, vide reference (iv), have issued their No Objection Certificates (NOCs) for charging of the line.

EPR zone for proposed S/s 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 Wind Power Project of M/s Juniper Green Stellar Private Limited	122.64	35	0.232	2193	1409	20	NA
220/33 kV PSS of Solar Power Project of M/s Juniper Green Stellar Private Limited at Barmer	134.19	35	0.51	5436	3551	208	105

Taking above into consideration, necessary action for issuance of PTCC route approval (RAC) shall be taken under intimation to this office in the stipulated period as specified in PTCC Manual and subsequent CLPTCC meetings.

As per the decision taken in 111th and 112th CLPTCC meeting, necessary instructions for “*Deemed Energization approval*” shall be specified while issuing RAC.

Encl.: As above

**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	
2.	M/s Juniper Green Stellar Private Limited	Plot No. 18, 1 <sup>st</sup> Floor, Institutional Area, Sector-32, Gurugram – 122 001	Copy for information.