



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-785		
Induced Voltage (IV) calculation for PTCC proposal of 220 kV S/C Transmission Line on M/C Tower from 220 kV Juniper Green Beta Pvt. Ltd. PSS to 400/220 kV Bhadla III ISTS PSS. (Length: 16.705 km) - Regd.		
S. No	Reference No.	Dated
(i)	M/s Juniper Green Beta Pvt. Limited: JGBPL/PTCC/2024-25/01	15.01.2025
(ii)	M/s Juniper Green Beta Pvt. Limited: e-Mail	08.04.2025
(iii)	BSNL : DE/PTCC/NZ/BSNL-TD/DV-10545/RAJ-1594/2025-26	04.07.2025
(iv)	North Western Railway: SG.158/NWR/PTCC/1036	28.01.2025
(v)	Defense: B/46937/Sigs-7(b)/4515	01.05.2025

The PTCC proposal submitted vide reference (i) & (ii) has been examined. DET-PTCC NZ, BSNL vide reference (iii) has mentioned that only Un-Armoured OFC is present within 8km boundary and hence IV computation is not done. Dy.CSTE, North Western Railway vide reference (iv) & DG Signals, MoD vide reference (v) have issued their NOC.

EPR Zones for proposed substation is mentioned below:

Name of the proposed SS	Half Diagonal Distance, D/2 (mts)	Fault Current, I (kA)	Resistance of earthmat, R (Ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7 kV	d (mts) at 10 kV
220 kV Juniper Green Beta PSS	85	40.422	0.427	3327	2172	125	62

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.

Chief Engineer

To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL, O/o PGM(North), QA & Inspection Circle D-Tax Building, Eastern Court, Janpath New Delhi-110001	
2.	Project Development Manager	M/s Juniper Green Energy Beta Pvt. Ltd Plot No-18, 1 st Floor, Sector-32, Gurugram	Copy for information