



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- 965		
Induced Voltage (IV) calculation for 220 kV S/C Transmission Line on D/C & M/C towers from 220 kV 300 MW PSS of M/s Bhadla Three SKP Green Ventures Private Limited at Nokh Village in Bap Tehsil, Phalodi District to Bhadla-III PSS in Jaisalmer (Length: 8.555 km) - Regd.		
S. No	Reference No.	Dated
(i)	M/s Bhadla Three SKP Green Ventures Private Limited: SKP/Project/013	04.12.2025
(ii)	BSNL: DE/PTCC/NZ/ BSNL-TD/DV-10685/RAJ-1692/2025-26/	18.02.2026
(iii)	North Western Railway: SG/158/NWR/PTCC/1288	28.01.2026
(iv)	Defense: B/46937/Sigs7(b)/5442	04.02.2026

The PTCC proposal submitted vide above references (i) has been examined. DET(PTCC), NZ BSNL vide reference (ii), Dy. CSTE, NWR vide reference (iii) and DG Signals, MoD vide reference (iv) has issued their respective No Objection Certificate (NOC).

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 7kV	d (mts) at 10kV
220 kV PSS	90	50	0.178	1773	1142	24	NA

As per the Telecom Details submitted by BSNL vide above reference (iii) there is no Telephone Exchange lying within the EPR zone of 220 kV S/s.

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.

Digitally signed by
Suman Kumar Maharana
Date: 24-02-2026
11:25:33
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.	Project Development Manager	M/s Bhadla Three SKP Green Ventures Private Limited 6 th Floor, MGF Metropolitan Mall, Saket, New Delhi	Copy for information.