



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



CEA Case No.: RAJ-861		
Induced Voltage (IV) calculation for PTCC proposal for 400 kV S/C line from common PSS of ReNew Dinkar Jyoti 1100 MW power plant to PGCIL 765/400/220kV Fatehgarh-III PS (Sec-II) Jaisalmer (30 km)- regd.		
S. No	Reference No.	Dated
(i)	ReNew: CEA/PTCC/RENEW DINKAR-400kV/TL/04/25	19.04.2025
(ii)	ReNew: Email_EMD Parameters	21.01.2026
(iii)	BSNL: DE/PTCC/NZ/BSNL-TD/DV-10688/Raj-1679/2025-26	21.01.2026
(iv)	Northern Western Railway: SG/158/NWR/PTCC/1139	24.06.2025
(v)	Defense: B/46937/Sigs 7(b)/4825	12.08.2025

The PTCC proposal submitted vide above references (i) and (ii) has been examined. DET(PTCC), NZ BSNL vide reference (iii), Dy. CSTE, NWR vide reference (iv) and DG Signals, MoD vide reference (v) has issued their respective No Objection Certificate (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
400 kV ReNew Dinkar Jyoti PSS	125	58.6	0.063	948	585	NA	NA

As per the details submitted by BSNL vide reference (iii) 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 (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

Digitally signed by
 Suman Kumar Maharana
 Date: 22-01-2026
 14:32:52
Chief Engineer

To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL O/o PGM (N), QA & Inspection Circle, D-Tax Building, Eastern Court, Janpath, New Delhi 110001	
2.	ReNew Dinkar Jyoti Pvt Ltd	Renew.Hub, Commercial Block -1, Zone-6, Golf Course Road, DLF City Phase -V, Gurugram -122009	Copy for information