



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**

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<b>CEA Case No.: RAJ-884</b>		
<b>Induced Voltage (IV) calculation for PTCC proposal of 400 kV S/C line from 400/33 kV PSS of ReNew Solar (Shakti Five) Pvt Ltd. to 400/33 kV PSS of ReNew Dinkar Jyoti Private Limited (4.091 km)- regd.</b>		
<b>S. No</b>	<b>Reference No.</b>	<b>Dated</b>
(i)	ReNew: CEA/PTCC/RENEW SHAKTI 5-400kV/TL/07/25	15.07.2025
(ii)	ReNew: Email_EMD Parameters	21.01.2026
(iii)	BSNL: DE/PTCC/NZ/BSNL-TD/DV-10669/Raj-1680/2025-26	21.01.2026
(iv)	Northern Western Railway: SG/158/NWR/PTCC/1205	06.10.2025
(v)	Defense: B/46937/Sigs 7(b)/4992	04.11.2025

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
400/33 kV PSS of ReNew Solar (Shakti Five)	120	53.55	0.133	1868	1195	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

**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 Solar (Shakti Five) Pvt Ltd	Renew.Hub, Commercial Block -1, Zone-6, Golf Course Road, DLF City Phase -V, Gurugram -122009	Copy for information