



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-772		
Induced Voltage (IV) calculation for PTCC proposal of 220 kV S/C Transmission Line on D/C & M/C Towers from 220kV PSS of M/s Renew Dinkar Urja Private Limited (RDUPL) to 400/220kV PGCIL GSS at Bikaner-II. (Length-6 km)- regd.		
S. No	Reference No.	Dated
(i)	Renew Dinkar Urja Private Limited: Letter	09.12.2024
(ii)	Renew Dinkar Urja Private Limited: Letter	08.10.2025
(iii)	BSNL : DE/PTCC/NZ/BSNL-TD/DV-10562/RAJ-1607/2025-26/	10.07.2025
(iv)	North Western Railway: SG/158/NWR/PTCC/1018	12.12.2024

The PTCC proposal submitted vide reference (i) & (ii) has been examined. DET-PTCC, NZ BSNL vide above reference (iii) and Dy.CSTE, North Western Railway vide above reference (iv) has issued their respective NOC's.

EPR zone for 220 kV 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
220kV PSS of M/s Renew Dinkar Urja Private Limited (RDUPL)	53	50	0.2128	1258	815	N.A	N.A

Telecommunication details from Defense are still pending and vide above reference (ii), transmission utility has shown urgency for charging of line and has requested for provisional PTCC approval. Taking above into consideration, necessary action for issuance of provisional 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 provisional RAC.

Chief Engineer

To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL, O/o PGM(North), QA & Inspection Circle D-Tax Building, Jan path, New Delhi	
2.	Director General of Signals	General Staff Branch, Integrated HQ, MoD (army), Sena Bhawan, DHQ, PO, New Delhi- 110 105	With a request to provide details of Telecom assets/ NOC at the earliest for issuance of final RAC.
3.	Authorized Personal (Renew Dinkar Urja Private Limited)	ReNew Hub, Commercial Block-1 Zone-6, Golf Course Road, DLF City, Gurugram	Copy for information