

I/31005/2023



सत्यमेव जयते



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भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत संचार विकास प्रभाग
Power Communication Development Division

CEA Case No. : RAJ-716		
Induced Voltage (IV) calculation for PTCC proposal of 220 kV SC transmission line on S/C and M/C towers from 220/33 kV PSS of M/S Renew Surya Jyoti Private Limited to 765/400/220 kV Fatehgarh-III S/s of PGCIL (Length: 5.785 km)		
S. No	Reference No.	Dated
(i)	RSJPL/PTCC/01 (received on 03.07.2023)	09.05.2023
(ii)	RSJPL/PTCC/10	07.10.2023
(iii)	BSNL: DET/PTCC/ND/DV-10252/Raj-1434/2023-2024	29.09.2023
(iv)	North Western Railway: SG/158/NWR/PTCC/922	10.07.2023

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

EPR Zones for proposed substation are mentioned below.

Name of the proposed SS	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 7 kV	d (mts) at 10 kV
220/33 kV (210 MW) PSS of M/S Renew Surya Jyoti Private Limited	212.13	30	0.3	4228	2725	61	NA

As per the details submitted by BSNL vide reference (iii) above, no telephone exchanges are falling in the EPR zone of the proposed substations.

Telecommunication details from DG Signals, MoD are awaited however, vide reference (ii) above, M/s RSJPL have informed that all construction related work of the transmission line has completed and the line is awaiting charging due to want of PTCC approval. So as to charge the subject cited transmission line as per schedule, M/s RSJPL has requested for issuance of provisional PTCC clearance.

Taking above into consideration, necessary action for issuance of provisional PTCC route approval may be taken under intimation to this office. LF induction on telecommunication circuits of Defense, will be communicated after the receipt of details from DG Signals, MoD.

Encl.: As above

Director

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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.	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 IV calculation and issuance of final RAC.
3.	M/s Renew Surya Jyoti Private Limited	Renew Hub, Commercial Block-1, Zone-6, Golf Course Road, DLF City Phase-V, gurugram – 122 009	