

I/33791/2024



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-731		
Induced Voltage (IV) calculation for PTCC proposal of 220 kV S/C Transmission Line from 300 MW TP Saurya Solar Project, Bhanipura, Bikaner to 400/220 kV Bikaner-II PSS (14.728 km)-Regd.		
S. No	Reference No.	Dated
(i)	TPSL: PD/TPSaurya/PTCC/FY 24/19	13.09.2023
(ii)	BSNL: DET/PTCC/ND/DV-10305/RAJ-1451/2023-2024/	07.02.2024
(iii)	North Western Railway: SG/158/NWR/PTCC/940	20.11.2023
(iv)	Defense: B/46937/Sigs 7(b)/3592	19.01.2024

The PTCC proposal submitted vide reference (i) has been examined. DET, NZ, BSNL vide reference (ii), GM (S&T), North Western Railway vide reference (iii) and DG Signals, MoD vide reference (iv) have issued their No Objection Certificate (NOC) for charging of the line.

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
300MW TP Solar Plant, Bikaner	79.62	22.5	0.752	3053	1993	113	55

As per the details submitted by BSNL, no telecom exchanges are lying in the EPR zone of the proposed substation.

Taking the above into consideration, necessary action for issuance of PTCC route approval may be taken under intimation to this office.

Encl.: As above

Chief Engineer

To,

1.	Divisional Engineer (PTCC), Northern Zone	BSNL, O/o PGM(North), QA & Inspection Circle D-Tax Building, Eastern Court, Janpath New Delhi-110001
2.	TP Saurya Limited	Corporate Centre,B-34, Sant Tukaram Road ,Carnac Bunder Mumbai 400009