

I/34731/2024



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 Division**  
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CEA Case No. : KNK-1046		
<b>Induced Voltage (IV) Calculation for 220 kV D/C line from IRCON Renewable 500 MW Solar plant to 400/220 kV Pavagada (Tumkur) S/s of PGCIL (Length: 6.0 km)</b>		
S. No	Reference No.	Dated
(i)	IRPL/SOLAR/500MW/MISCELLANEOUS/12/6	13.06.2023
(ii)	BSNL: SR-PTCC/SKT5710/02	22.03.2024
(iii)	South Western Railway: SG/SWR/PTCC/IRCON/2614	24.11.2023
(iv)	Defense: B/46937/Sigs7(b)/3424	01.09.2023

The PTCC proposal submitted vide reference (i) has been examined. DET (PTCC), Southern Zone, BSNL vide reference (ii), PCSTE, South Western Railway vide reference (iii) and DG Signals, MoD vide reference (iv) has issued their No Objection Certificate (NOC) for charging of the transmission line.

EPR Zones for proposed substations are 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
220/33 kV Solar PSS of M/s IRCON Renewable	57.11	28	0.36	1282	829	25	NA

As per the details submitted by BSNL vide reference (ii) above, no telephone exchange is falling in the EPR zone of the proposed substations.

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)	O/o CGM, QA & Inspection circle, 2 <sup>nd</sup> Floor, Sanchar complex, WMS compound, Jayanagar, 5 <sup>th</sup> block, 9 <sup>th</sup> main, 47 <sup>th</sup> cross, Bengaluru- 560 041	
2.	M/s Ircon Renewable Power Limited	C-4, District Centre, Saket, New Delhi – 110 017	Copy for information