



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-743		
Induced Voltage (IV) Calculation for PTCC proposal of 220 kV S/C line from 220 kV Chatargarh S/s (RVPN) to 220/33 kV 200 MW Solar PSS of M/s Martial Solren Pvt. Ltd., Chatargarh, Bikaner (Length: 15.0 km)		
S. No	Reference No.	Dated
(i)	MaSPL/PTCC/2024-25	10.05.2024
(ii)	BSNL: DET/PTCC/ND/DV-10387/Raj-1488/2023-24	25.07.2024
(iii)	North Western Railway: SG/158/NWR/PTCC/974	25.06.2024
(iv)	Defense: B/46937/Sigs 7(b)/4109	06.11.2024

The PTCC proposal submitted vide reference (i) has been examined. DET (PTCC), NZ, BSNL vide reference (ii), GM (S&T), North Western Railway vide reference (iii) and DG Signals, MoD vide reference (iv) has given their NOC for charging the 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 200 MW Solar PSS of M/s Martial Solren Pvt. Ltd., Chatargarh, Bikaner	77.4	20	0.9	3163	2066	122	62

Considering the above, necessary action for issuance of PTCC route approval may be taken upon 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.	M/s Martial Solren Private Limited	Mahindra Towers, P. K. Kurne Chowk, Worli, Mumbai – 400 018	Copy for information