



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. : KNK-1061		
Induced Voltage (IV) Calculation for PTCC proposal of 33 kV (partially S/C and partially D/C) Feeder-03 from 220/33 kV Pooling Substation, Thondihala Koppal to Double Pole yard Tapping Point SGTA-05 of RSOPL Peak Power Wind farm. (Length: 2.6 kms D/C + 8.8 kms S/C).		
S. No	Reference No.	Dated
(i)	RSOPL/Peak power/33kV/PTCC/24-25/010	10.01.2024
(ii)	RSOPL E-mail:	10.07.2024
(iii)	BSNL: SR-PTCC/SKT5933/2	26.06.2024
(iv)	South Western Railway: SG/SWR/PTCC/KNK1061/2719	05.06.2024
(v)	Defense: B/46937/Sigs 7(b)/3732	16.05.2024

The PTCC proposal submitted vide reference (i) and (ii) has been examined. DET (PTCC), SZ, BSNL vide reference (iii), GM (S&T), South Western Railway vide reference (iv) and DG Signals, MoD vide reference (v) 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 Pooling Substation, Thondihala Koppal	88.46	24	0.1201	505	304	NA	NA
33 kV Feeder-03 Double Pole yard Tapping Point SGTA-05	6.01	6.2	0.332	23	13	NA	NA

Taking 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), Southern Zone	O/o CGM, QA&I circle, 2 nd floor, Sanchar Complex, WMS Compound, Jayanagar, 5 th block, 9 th main, 47 th cross, Bengaluru- 560 041	
2.	M/s ReNew Surya Ojas Private Limited	ReNew Hub, Commercial Block-1, Zone-6, Golf Course Road, DLF City Phase-V, Gurugram – 122 009	Copy for information