



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. : MRA-1294		
Induced Voltage (IV) calculation for PTCC proposal of 400 kV S/C Transmission Line on D/C tower from 400/220/33 kV Serentica PSS at Keshegaon Village, Dist.- Dharashiv to 400/220/33 kV RGSLS PSS-I at Ghandora Village, Dist.- Dharashiv (Length: 24 km)		
S. No	Reference No.	Dated
(i)	SRI5PL/Solapur/PTCC/400kV/2025/06	13.02.2025
(ii)	SRI5PL/Solapur/PTCC/400kV/2025/06A	11.03.2025
(iii)	Serentica Renewables India 5 Private Limited: e-Mail	11.06.2025
(iv)	BSNL: IC/MBI/PTCC/MRA-2714/02	29.04.2025
(v)	Western Railway: SG.158/28/09(341) (received via e-mail from SRI5PL)	26.03.2025
(vi)	Defense: B/46937/Sigs-7(b)/4539 (received via e-mail from SRI5PL)	23.04.2025

The PTCC proposal submitted vide reference (i), (ii), & (iii) has been examined. DET, PTCC (WZ), BSNL vide reference (iv), Dy.CSTE, Western Railways vide reference (v) and DG Signals, MoD vide reference (vi) have issued No Objection Certificate (NOC).

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
400/220/33 kV Serentica PSS at Keshegaon, Dharashiv	198	44.1	0.0923	1678	1043	NA	NA

Taking above into consideration, necessary action for issuance of PTCC route approval (RAC) shall be taken under intimation to this office in the stipulated period as specified in PTCC Manual and subsequent CLPTCC meetings.

As per the decision taken in 111th and 112th CLPTCC meeting, necessary instructions for "Deemed Energization approval" shall be specified while issuing RAC.

Chief Engineer

To,

1.	Divisional Engineer (PTCC), Western Zone	QA & Inspection circle, 1 st floor, D- wing, BSNL Admin Bldg., Junu Tara Road, Santacruz (West), Mumbai- 400054	
2.	Project In-Charge Serentica Renewables India 5 Private Limited	DLF Cyber Park, Block B 9 th Floor Udyog Vihar, Gurugram	Copy for information.