



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-1138		
Induced Voltage (IV) calculation for PTCC proposal of 33 kV S/C Feeder-02 on RSJ Pole with AL-59 Dog & Panther conductor from 220/33 kV 300 MW Wind Energy Project PSS of M/s Serentica Renewables India 1 Private Limited at Thippanahala, Yelburga Taluk, Koppal to 33 kV Unit Substation of WTG situated near Thippanahala, Thalakeri, Chadapura, Marakata & Vanajabhavi, Gule of Yelburga Taluk, Koppal. (Length:14.622 kms)		
S. No	Reference No.	Dated
(i)	GIWEL/33KVPTCC/F-1 (received on 09.07.2024)	NIL
(ii)	SRI1PL Letter: NIL	06.03.2025
(iii)	BSNL: SR-PTCC/SKT6586/7	05.02.2025
(iv)	South Western Railway: SG/SWR/PTCC/KNK1138/2832	20.11.2024

The PTCC proposal submitted vide reference (i) has been examined. DGM (PTCC), WZ, BSNL vide reference (iii) and CCE, South Western Railway vide reference (iv) has submitted their NOC for charging of the line.

EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
220/33 kV 300 MW Wind Energy Project PSS of M/s Serentica Renewables India 1 Private Limited at Thippanahala, Yelburga Taluk, Koppal	86.7	28	0.2	1042	660	NA	NA
33 kV Unit Substation of WTG	7.84	21.63	0.353	131	84	1	NA

Telecommunication details from DG Signals, MoD are awaited however, vide reference (ii) above, M/s SRI1PL has informed that all construction related activities for the 33 kV line are completed and line is waiting to be charged due to want of PTCC approval. So as to charge the subject cited transmission line at the earliest, M/s SRI1PL has requested for issuance of provisional PTCC clearance and has given an undertaking that "In case of any impact on the Telecom assets/ personnel of Defense due to charging of this transmission line, M/s Serentica Renewables India Private Limited will take all necessary action for its remediation and no other utility/ organization shall be held liable for this".

Taking above into consideration, necessary action for issuance of provisional PTCC route approval may be taken under intimation to this office. LF induction on telecommunication circuits of Defense, will be communicated after the receipt of details from DG Signals, MoD.

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.	Director General of Signals	General Staff Branch, Integrated HQ, MoD (army), Sena Bhawan, DHQ, PO, New Delhi- 110 105	With a request to submit the Telecom Details/ NOC so that final RAC could be processed.
3.	M/s Serentica Renewables India 1 Private Limited	DLF Cyber Park, Block B, 9 th Floor, Udyog Vihar, Phase III, Sector 20, Gurugram	Copy for information