



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**

\*\*\*\*\*

|   |   |              |
|---|---|--------------|
| <b>CEA Case No. : KNK-1140</b>  |   |              |
| <b>Induced Voltage (IV) calculation for PTCC proposal of 33 kV S/C Feeder-04 on RSJ Pole with AL-59 Dog &amp; 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 &amp; Vanajabhavi, Gule of Yelburga Taluk, Koppal. (Length:20.734 kms)</b> |   |              |
| <b>S. No</b>  | <b>Reference No.</b>                            | <b>Dated</b> |
| (i)   | GIWEL/33KVPTCC/F-1 (received on 09.07.2024)     | NIL          |
| (ii)  | SRI1PL Letter: NIL                              | 06.03.2025   |
| (iii)   | BSNL: SR-PTCC/SKT6584/7                         | 05.02.2025   |
| (iv)  | South Western Railway: SG/SWR/PTCC/KNK1140/2834 | 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 <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. | 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 <sup>th</sup> Floor, Udyog Vihar, Phase III, Sector 20, Gurugram  | Copy for information  |