



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**  
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|---|------------------------------------|--------------|
| <b>CEA Case No. : GUJ-896</b>   |                                    |              |
| <b>Induced Voltage (IV) Calculation for PTCC proposal of 220 kV D/C line from 220/33 kV PSS of M/s OPWIND Energy Private Limited at Nagpur Village, Kalavad Taluka, Jamnagar to 220 kV Kalawad S/s (Length: 8.092 km)</b> |                                    |              |
| <b>S. No</b>  | <b>Reference No.</b>               | <b>Dated</b> |
| (i)   | OPWIND/Solar Line/PTCC/2024-25/001 | 23.07.2024   |
| (ii)  | BSNL: IC/MBI/PTCC/GUJ-2956         | 03.09.2024   |
| (iii)   | Western Railway: SG.158/28/12/1408 | 31.07.2024   |
| (iv)  | Defense: B/46937/Sigs7(b)/4076     | 09.12.2024   |

The PTCC proposal submitted vide reference (i) has been examined. DET, PTCC (WZ), BSNL vide reference (ii), GM (S&T), Western Railway vide reference (iii) and DG Signals, MoD vide above reference (iv) have issued their No Objection Certificate (NOC) for charging of 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 PSS of M/s OPWIND Energy Private Limited at Nagpur Village, Kalavad Taluka, Jamnagar | 120.93                            | 35                    | 0.203                            | 1877             | 1201             | 2               | NA               |

As per the details submitted by BSNL, No Telephone exchange is falling within the EPR zone of proposed substation

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 111<sup>th</sup> and 112<sup>th</sup> CLPTCC meeting, necessary instructions for “Deemed Energization approval” shall be specified while issuing RAC.

Encl.: As above

**Chief Engineer**

**To,**

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|----|---|--|
| 1. | Divisional Engineer<br>(PTCC), Western Zone | QA & Inspection circle, 1st floor, D- wing, BSNL Admin Bldg.,<br>Junu Tara Road, Santacruz (West), Mumbai-400054 |
| 2. | M/s OPWIND Energy<br>Private Limited        | 207, Kuber Avenue, Panch Bungalow Road, Near Gurudwara, Cross<br>Road, Jamnagar, Gujarat - 361001                |