



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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|--|------------------------------------|--------------|
| CEA Case No. : GUJ-947 | | |
| Induced Voltage (IV) calculation for PTCC proposal of 400 kV S/C line on D/C and M/C towers from 400/33 kV 1100 MW Hybrid RE PSS-12 of M/s SRPL to Khavda PS-3 (Length: 7.5 km) | | |
| S. No | Reference No. | Dated |
| (i) | SRPL/KHAVDA/PTCC/PSS-12/2025/01 | 26.02.2025 |
| (ii) | BSNL: NO. IC/MBI/PTCC/GUJ-3060 | 29.04.2025 |
| (iii) | Western Railway: SG.158/28/12/1470 | 15.04.2025 |
| (iv) | Defense: B/46937/Sigs-7(b)/4586 | 23.04.2025 |

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 ADG (Telecommunication), Ministry of Defense 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 |
|--|-----------------------------------|----------------------|-----------------------------------|------------------|------------------|----------------|-----------------|
| 400/33 kV 1100 MW Hybrid RE PSS-12 of M/s SRPL | 122 | 63 | 0.00798 | 21 | NA | NA | NA |
| 765/400 kV Khavda PS-3 | 205.4 | 44.1 | 0.09 | 1690 | 1049 | 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,

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|----|--|---|
| 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. | M/s Sarjan Realities Private Limited | Ap-81, 1702, 17th Floor, Mundhwa, Pune – 411 036 |