



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. : AND-780 | | |
| Induced Voltage (IV) calculation for PTCC proposal of 220 kV S/C line from 220/33 kV 300 MW Solar PSS of M/s SAEL Industries Limited at Diguva Kalvatala to 765/400/220 kV Kurnool-III S/s of PGCIL (Length: 26.513 km) | | |
| S. No | Reference No. | Dated |
| (i) | SAEL/MHP-2/SOLAR/300MW/03/25 | 15.02.2025 |
| (ii) | BSNL: SR-PTCC/AND-780/2025-26/1 | 24.06.2025 |
| (iii) | South Central Railway: SG.85/4/3/PTCC/2025-26 SCRAP 14 RC | 20.05.2025 |
| (iv) | Defense: B/46937/Sigs-7(b)/4598 | 10.06.2025 |

The PTCC proposal submitted vide reference (i) has been examined. Divisional Engineer (QA&I), BSNL vide reference (ii), CCE, South Central 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 |
|---|-----------------------------------|----------------------|-----------------------------------|------------------|------------------|----------------|-----------------|
| 220/33 kV 300 MW Solar PSS of M/s SAEL Industries Limited at Diguva Kalvatala | 63.74 | 40 | 0.26 | 1478 | 956 | 31 | 3 |

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), 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. | M/s SAEL Industries Limited | 3 rd Floor, Worldmark-1, Aerocity, New Delhi – 110 037 |