



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.: UTR-34 | | |
| Induced Voltage (IV) calculation for PTCC proposal of 400 kV D/C Transmission Line from Pipalkoti S/s to Khandukhal S/s (Srinagar-G) [Length- 86.51 km] - Regd. | | |
| S. No | Reference No. | Dated |
| (i) | PTCUL: 268/ अधि0/ अभि0/ (परियोजना)/पिटकुल | 21.10.2025 |
| (ii) | PTCUL: e-Mail | 17.03.2026 |
| (iii) | BSNL: DE/PTCC/NZ/ BSNL-TD/DV-10719/UTR-42/2025-26 | 10.03.2026 |
| (iv) | Northern Railway: 342-SIG/1/PTCC/2025-26/10/03 | 15.10.2025 |
| (v) | Defense: B/46937/Sigs7(b)/5079 | 12.12.2025 |

The PTCC proposal submitted vide above references (i) & (ii) has been examined. DET(PTCC), NZ BSNL vide reference (iii), Dy. CSTE, NR vide reference (iv) and DG Signals, MoD vide reference (v) has issued their respective No Objection Certificate (NOC).

EPR Zones for proposed substation is mentioned below.

| Name of the proposed SS | 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 7 kV | d (mts) at 10 kV |
|-------------------------|-----------------------------------|-----------------------|-----------------------------------|------------------|------------------|-----------------|------------------|
| 400 kV Pipalkoti S/s | 75 | 28 | 0.4157 | 1955 | 1268 | 50 | 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

Digitally signed by
Suman Kumar Maharana
Date: 19-03-2026
14:58:46
Chief Engineer

To,

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|----|---|--|-----------------------|
| 1. | Divisional Engineer (PTCC), Northern Zone | BSNL, O/o PGM(North), QA & Inspection Circle D-Tax Building, Eastern Court, Janpath New Delhi-110001 | |
| 3. | Superintending Engineer | PTCUL, Srinagar Pauri | Copy for information. |