



सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत संचार विकास प्रभाग
Power Communication Development Division

| CEA Case No. : RAJ-739 | | |
|---|---|--------------|
| Induced Voltage(IV) calculation for PTCC proposal of 220 kV S/C Transmission Line from 220 kV Juniper Nirjara Energy Private Ltd S/s to 400/220 kV PGCIL S/s at Bikaner-II [Length-9.4 km] - Regd. | | |
| S. No | Reference No. | Dated |
| (i) | M/s Juniper Nirjara Energy Private Ltd: JNEPL/PTCC/2024-25/09 | 19.04.2024 |
| (ii) | BSNL: DET/PTCC/ND/DV-10385/UP-1486/2023-2024 | 19.07.2024 |
| (iii) | North Western Railway: SG/158/NWR/PTCC/966 | 01.05.2024 |
| (iv) | Defense: B/46937/Sigs7(b)/3757 | 02.05.2024 |

The PTCC proposal submitted vide reference (i) has been examined. DET (NZ), BSNL vide reference (ii), North Western Railway vide reference (iii) and DG Signals, MoD vide reference (iv) have issued 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 kV Juniper S/s | 67 | 40 | 0.51 | 3112 | 2036 | 128 | 70 |

Taking above into consideration, necessary action regarding issuance of PTCC approval for the subject cited transmission line might be taken under intimation to this office.

Encl.: As above

Chief Engineer

To,

| | | |
|----|---|--|
| 1. | Divisional Engineer (PTCC), Northern Zone | BSNL, O/o GM (North), QA & Inspection Circle D-Tax Building, Eastern Court, Janpath, New Delhi |
| 2. | Juniper Nirjara Energy Private Ltd | Plot No 18, 1 st Floor Institutional Area, Sector-32, Gurugram |