



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. : MRA-1225 | | |
|---|--|------------|
| Induced Voltage (IV) calculation for PTCC proposal of 220 kV D/C line from 220 kV Waghira GSS (100 MW Wind power project of M/s Sri Maruti Wind Park Developers) to existing 220 kV Patoda S/s (7.177 km) | | |
| S. No | Reference No. | Dated |
| (i) | SMWPD/100MW Patoda STU/220kV line PTCC/2023-24/256 | 07.08.2023 |
| (ii) | BSNL: IC/MBI/PTCC/MRA-2593/04 | 26.10.2023 |
| (iii) | Central Railway: N.153/PTCC/220kV/MAH-845 | 22.12.2023 |
| (iv) | Defense: B/46937/Sigs 7(b)/3513 | 06.11.2023 |

The PTCC proposal submitted vide reference (i) has been examined.

BSNL vide reference (ii) above has informed that no telecom cable of BSNL is falling within the 8 km boundary of proposed transmission line. GM (S&T), Central railway vide reference (iii) and DG Signals, MoD, vide above reference (iv) above have issued 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 kV Waghira GSS | 79 | 35 | 0.9886 | 6278 | 4126 | 311 | 194 |

As per the details submitted by BSNL vide reference (ii) above, no telephone exchange is falling in the EPR zone of the proposed substation.

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

Director

I/32933/2024

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. | Sri Maruti Wind Park Developers | Door No. B-402, 4 th Floor, S. No. 273/1, Ujwal Serene, Near Mauli Garden, Pune –Baner Road, Baner | Copy for information |