34-3/33/2026-TRANS(MOP)
भारत सरकार / Government of India
विद्युत मंत्रालय / Ministry of Power
(पारेषण प्रभाग / Transmission Division)
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श्रम शक्ति भवन, रफी मार्ग, नई दिल्ली- 110001
Shram Shakti Bhawan, Rafi Marg, New Delhi-110001

दिनांक: 21st जुलाई, 2026

कार्यालय ज्ञापन / OFFICE MEMORANDUM

Subject: Requirement of PTCC Clearance in Transmission line – reg.

The undersigned is directed to convey that, with effect from 1st July 2026, there shall be no requirement for obtaining Route Approval Certificate (RAC) from the Power and Telecommunication Co-ordination Committee (PTCC) for construction or operating electricity transmission lines.

2. The PTCC was originally constituted by the Government of India vide Resolution No. EL.II-151(7) dated 30th May 1949 to address issues relating to induction, interference and safety between power and telecommunication systems arising from operation of electric lines. Considering the technological advancements in communication systems this mechanism has now become redundant. However, there may be certain concerns with respect to interference with the signals / communication network of Railways and Defence in certain geographies, which have been addressed hereunder.

3. Section 160(1) of the Electricity Act, 2003 states that:

> *"Every person generating, transmitting, distributing, supplying or using electricity (hereinafter in this section referred to as the "operator") shall take all reasonable precautions in constructing, laying down and placing his electric lines, electrical plant and other works and in working his system, so as not injuriously to affect, whether by induction or otherwise, the working of any wire or line used for the purpose of telegraphic, telephone or electric signaling communication, or the currents in such wire or line."*

Thus, every entity i.e. Transmission Service Provider (TSP) or utility engaged in the construction or operation of electric lines, electrical plants and associated works shall ensure that induced voltages on the telecommunication and signalling infrastructure, Earth Potential Rise (EPR) zones and associated interference levels remain within the safe operating limits as recommended by the equipment manufacturer or prescribed under applicable technical practices, guidelines, and relevant Indian or

international standards, as applicable. Reference may be made to the PTCC Manual, 2010 for technical details and methodology for assessment of Induced Voltage (IV), wherever considered necessary.

4. The responsibility for ensuring safety, protection and non-interference to telecommunication and signalling infrastructure shall be with the entity constructing or operating the electric line, electrical plant or associated works.

5. After finalizing the route alignment of the electric line of voltage 220 kV and above, it shall be the responsibility of the entity to inform the relevant authorities of Railways and Defence through Central Electricity Authority (CEA). Copies of notifications under Section 164 of Electricity Act, 2003 shall also be sent to Ministry of Defence and Railway Board. Respective authorities should respond with mitigation measures (if any) within 60 days of receipt of the route alignment, beyond which it shall be treated as deemed 'no objection'.

6. The mitigation measures required for ensuring safety, protection and non-interference to signalling or communication infrastructure due to induction, interference, EPR or related effects arising from the construction or operation of the transmission system, shall be implemented by the concerned entity at their end. Any mitigation measure at the end of existing infrastructure shall be carried out by the authority concerned. The cost towards such mitigation/protection measures, as assessed and intimated by the concerned authority shall be borne by the entity concerned.

7. In case of any difference of opinion or lack of consensus between the entity and the affected authority regarding the assessment, scope, implementation, technical adequacy, or cost of mitigation/protection measures required for addressing induction, interference, EPR or related effects, the matter may be referred to CEA. CEA shall examine the issues in consultation with the parties concerned and facilitate resolution of the matter. CEA shall ensure that appropriate mitigation and protection measures are implemented in accordance with applicable technical standards and safety requirements.

8. Any non-implementation of the mitigation measures by the entity/TSP or non-payment of cost by the entity, on account of mitigation measures so required by the Railways or Defence shall be reported to CEA by respective authority. CEA to take cognizance of any such report and ensure mitigation measures before First Time Charging (FTC).

9. Further, States may nominate State Transmission Utility (STU) or any other body to be the nodal agency for performing functions similar to the functions hereby assigned to CEA, for electric lines up to and including 132 kV level.

10. The fault current level at 66kV voltage level is relatively low resulting in low magnetic field. Consequently, inductive coupling with the nearby communication circuits

is weak. Hence, there shall be no requirement of any prior information to Railways or Defence authorities in respect of potential induction / interference from electrical lines of 66 KV and below.

11. This issued with approval of the Competent Authority.

21/7/26.

(नाओरेम इंद्रकुमार सिंह)
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To:

1. Secretary (Telecom), DoT, M/o Communications, New Delhi
2. Chairperson, Central Electricity Authority (CEA), New Delhi
3. Chairperson, Railway Board, New Delhi
4. Director General of Signals, General Staff Branch, Integrated HQ, MoD (Army), Sena Bhawan, DHQ, PO, New Delhi
5. CMD, PGCIL
6. CMD, BSNL, New Delhi
7. COO, CTUIL
8. CMD, GRID-INDIA

Copy for kind information please:

- PS to Hon'ble Minister of Power
- PS to Hon'ble Minister of State for Power
- Sr.PPS/PPS/PS to Secretary (Power) / Additional Secretary (Transmission) / Joint Secretary (Transmission)/ Director (Trans-I), MoP.