



## **Mandatory provision for RCD in all service connections**

### **Amendments to the Tamil Nadu Electricity Distribution Code**

Notification No. TNERC/DC/8-28, dated, 24-12-2020 (w.e.f. 27-1-2021)

(Lr. No. TNERC / DD(L) F. Notification / D.No. 1438 / 2021)

### **No. VI (2) \ 17 \ 2021**

In exercise of the powers conferred by Section 181 read with Section 46 of the Electricity Act, 2003 (Central Act 36 of 2003) and all other powers enabling it in this behalf, the Tamil Nadu Electricity Regulatory Commission hereby makes the following amendments to the Tamil Nadu Electricity Distribution Code, the draft of the same having been previously published, as required under sub-section (3) of the said Section 181.

### **AMENDMENTS**

In the said Distribution Code, -

1. In regulation 2, after clause (a), the following clause shall be inserted, namely:-

*"(aa) "Authority" means the Central Electricity Authority referred to in sub section (1) of Section 70 of Electricity Act 2003";*

2. In regulation 16, after sub-regulation (2), the following sub-regulation shall be inserted, namely:-

### **16. Safety Aspects: —**

**(2A) EARTH LEAKAGE PROTECTIVE DEVICE / RESIDUAL CURRENT DEVICE (ELPD / RCD):**

*(i) The supply of electricity to every installation of low voltage (240 V) and medium voltage (415V) including installations of Temporary supply shall be controlled by a Residual Current (operated) Device (RCD), whose rated residual operating current shall not exceed 30 milli ampere for protection against electric shock, so as to disconnect the supply on the occurrence of earth fault or leakage of current.*

*(ii) In the case of installations having large number of motors, equipment, appliances of loads totaling above 10 kW, one common RCD at the point of commencement of supply with rated residual operating current of 300 milliampere for protection against electrical fire shall be provided, in addition to RCD of not exceeding 30 milliampere rating for protection against electric shock.*

*(iii) An installation, where there are a large number of loads giving rise to a sum of permissible leakage currents exceeding 30 milliampere, shall be subdivided into circuits to avoid nuisance tripping and each sub-divided circuit shall be provided with an independent RCD with leakage current sensitivity rating not exceeding 30 milliampere at appropriate location(s).*

*Explanation - RCD is a generic term which embraces the various types of RCCBs, (Residual Current operated Circuit Breaker), RCBOs (Residual Current operated Circuit Breaker with integral Over current protection), etc., RCCB is also called as RCB for convenience (RCCB/RCB). The term ELCB (Earth Leakage Circuit Breaker ) is not used in Standards.”;*

3. In Regulation 27, after sub-regulation 11, the following sub-regulations shall be inserted, namely:-

**27. Supply of Energy:**

*“(11A) Where the requisition for supply is for a multi-storeyed building, the applicant shall enclose the planning permission along with building plan approval with the application. The Licensee shall verify the height of the building from the planning permission / building plan approval enclosed by the applicant. Physical measurement is not necessary. If the height of the multi-storeyed building is more than 15 metre as given in the planning permission / building plan approval, necessary approval from the Electrical Inspector in compliance with CEA (Measures relating to Safety and Electric Supply) Regulations 2010 as amended, shall be furnished by the applicant.*

*(11B) The supply of electricity to every installation of low voltage (240 V) and medium voltage (415V) including installations of Temporary supply shall be controlled by a Residual Current (operated) Device (RCD) as specified in sub-regulation (2A) of Regulation 16 of this Code, to ensure safety against electric shock and fire hazards.”*