

**Department of Electrical Inspectorate
Office of the Chief Electrical Inspector to Government of Kerala**

No: B1-33727 / 2002 / CEI

Thiruvananthapuram
Dated: 14-8-2002

CIRCULAR

Subject :

Guidelines for installing transformers inside and near to residential and commercial buildings

1. Only dry type transformers shall be installed inside residential and commercial buildings as per Rule 64 (2) of Indian Electricity Rules 1956
2. Oil filled transformers may be installed outside residential and commercial buildings subject to the following conditions
 - a. Only indoor installations are permitted in Corporation areas and in the premises of residential buildings.
 - b. There shall be free access for fire engines to the transformer station.
 - c. The building in which transformer is installed shall have minimum clear distance of 1.5 m from the residential / Commercial buildings
 - d. The substation building shall be of weather proof and fire proof construction. Walls shall be of 355 mm thick brick or 230 mm thick RCC. There shall be no window or door openings towards the residential / commercial buildings. If there is any window door opening towards the residential / commercial buildings, there shall be a fire resistant wall between the substation building and residential / commercial building keeping a minimum clear distance of 1.5 m from both the buildings. The fire resistant wall shall be of 355mm thick brick or 230 mm thick RCC and shall have a height extending minimum 60 cm above the top of the transformer.
 - e. Transformer may be installed outdoor, keeping a minimum distance of 6 m from commercial buildings in areas other than Corporation areas.
 - f. If the transformer is installed outdoor within 6 m from commercial buildings, there shall be a fire resistant wall in between the transformer and the building keeping a minimum distance of 1.5 m both from the building and the transformer. The fire resistant wall shall be of the same size and material as given in 'd' above
3. Reference sketches regarding oil filled transformer installations are appended.

Above guidelines shall come into force with immediate effect.


For Chief Electrical Inspector

Copy to:

1. The Deputy Chief Electrical Inspector, Ernakulam
2. All Electrical Inspectors
3. All Technical Officers in C.E.I.'s Office
4. Stock file