
OFFICE OF THE CHIEF ELECTRICAL INSPECTOR TO GOVERNMENT OF KERALA

No. B4.35011/97/CEI

Thiruvananthapuram

Dated, 30/12/97

CIRCULAR

Sub:- Guidelines for scrutiny of schemes pertaining High Rise Buildings Reg:-

Ref:- Circular instructions issued

Due to future amendments

The following guidelines are issued in order to adopt a standard pattern in the issue of scheme approvals.

- 1. Low set earth fault protection using neutral CT is not essential for transformer installations feeding MV consumers in High Rise Buildings as ELCB coverage is mandatory for all outlets except for fire pumps. However this protection is necessary for all HT consumers even in the premises of High Rise Buildings.
- 2. Due to the non-availability of competent personnel for operation and maintenance, oil filled HT switch gears, HT oil SFU's or OCB shall not be permitted at the premises of High Rise Building. Instead Air break SFU's which require less maintenance shall be insisted for controlling the primary side of transformers of capacity ~~upto and including 400 KVA~~. For transformers of capacity ~~500 KVA~~ and above VCB is to be insisted. ~~Below 1000kVA~~ ~~1000~~
- 3. While designing metering panels for consumers in High Rise Buildings the following points are to be considered.
- (a) Floor-wise isolation shall be provided for feeders, However if there are only a few consumers in one floor, two floors may be combined for isolation, provided the total number of consumers fed from a panel is not more than eight. The two floors shall be adjacent
- (b) Number of meters in one panel may be limited to a maximum of 8 Nos. for 3 phase connections and 12 Nos. for single phase connections.
- 4. Fire barrier between floors are not seen provided in several cases, even though it is shown in the drawings. One of the approved patterns is providing M.S. Plates/Chequered plates of minimum 6 mm thickness in the cable duct at floor crossings and a layer of glass wool of minimum 75 mm thick over the plate which is to be again covered by another M.S. plate/chequered plate.

The receipt of this Circular shall be acknowledged.

Sd/-
CHIEF ELECTRICAL INSPECTOR

To

1. All Electrical Inspectors
2. The Deputy Chief Electrical Inspector, Ernakulam
3. All Technical Officers of Chief Electrical Inspectorate.
4. The President, 'A' Grade Electrical Contractors Association.
5. The Deputy Electrical Inspector, Meter Testing & Standards Laboratory, Trivandrum.
6. Circular File
7. Spare
8. Stock File.