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Dated: 14-01-2024

### CIRCULAR

**Sub: Qualification and experience of designated persons for the operation and maintenance of HT and EHT installations – Revised guidelines – regarding-**

**Ref:1. Circular No.B1-17/75/2004/CEI dated, 18.09.2004 of the Chief Electrical Inspector**

#### **2. Minutes of Technical Committee meeting held on 28.11.2023**

In supersession of the Circular referred(1) above, the following guidelines are prescribed regarding the qualification and experience of persons designated for the operation and maintenance of HT and EHT Installations, so that the provisions under regulations 3, 21(3), 39(i), 46(1) (a), 46 (2) (xiv) of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2023 are complied with.

#### **I. High Tension Installations**

##### a. High Tension Installations with Transformer capacity up to and including 250kVA

Installations in this category shall be in charge of a person holding minimum Diploma in Electrical Engineering with required scope of certificate of competency as per KSELB rules. There shall be a minimum of one Electrician having Wireman Permit issued by the Kerala State Electricity Licensing Board, who shall be present through out the working period of the installation.

##### b. High Tension Installations with Transformer capacity above 250 kVA and upto and including 800 kVA

Installations in this category shall be in charge of a person holding minimum Diploma in Electrical Engineering with required scope of certificate of competency as per KSELB rules. There shall be a minimum of two Electricians having Wireman Permit issued by the Kerala State Electricity Licensing Board, who shall be present through out the working period of the installation.

##### c. High Tension Installations with Transformer capacity above 800 kVA – upto and including 1.6MVA

Installations in this category shall be in charge of a person holding Degree in Electrical Engineering with required scope of certificate of competency as per KSELB rules or a person holding Diploma in Electrical Engineering with minimum of three year experience in the relevant field and having required scope of certificate of competency as per KSELB rules. In addition to the above, there shall be a minimum of one person holding Diploma in Electrical Engineering and a minimum of three Electricians having Wireman Permit issued by the Kerala State Electricity Licensing Board, who shall be present through out the working period of the installation.

##### d. High Tension Installations with Transformer capacity above 1.6 MVA

Installations in this category shall be in charge of a person holding Degree in Electrical Engineering with required scope of certificate of competency as per KSELB rules or Diploma in Electrical Engineering with a minimum of three year experience in the relevant field and having required scope of certificate of competency as per KSELB rules. In addition to the above, there shall be a minimum of one person holding Diploma in Electrical Engineering and a minimum of four Electricians having Wireman Permit issued by the Kerala State Electricity Licensing Board, who shall be present through out the working period of the installation.

## **II. Extra High Tension Installations**

For Installations in this category, the following personnel shall be employed for the operation and maintenance as follows:

1. Degree holder in Electrical Engineering with a minimum of two years experience in the relevant field or Diploma holder in Electrical Engineering with a minimum of five years experience in the relevant field and also shall have required scope of certificate of competency as per KSELB rules, shall be put in charge of the Substation and the entire electrical installations.
2. Degree holder in Electrical Engineering/Diploma holder in Electrical Engineering with a minimum of two years experience in the relevant field and also have the required scope of certificate of competency as per KSELB rules, shall be employed for the operation and maintenance of the Sub Station and the entire electrical installations, who shall be present throughout the working period of the installation.
3. Adequate number (a minimum of five) of Electricians having Wireman Permit issued by the Kerala State Electricity Licensing Board, depending upon the capacity of the installation, for operation and maintenance of the Sub Station and the entire electrical installations.

## **General**

In every factory registered under the Factories Act, 1948 where more than 250 kW of electrical load is connected, there shall be a person designated by the management of the factory for ensuring the observance of safety provisions as per regulation 5(3) of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2023 and shall comply the provisions under the said regulation.

These guidelines shall be implemented forthwith in new installations. In the existing Installations these guidelines shall be implemented according to requirements and changes made as per the above guidelines.

**Chief Electrical Inspector**

**To**

The Deputy Chief Electrical Inspector, Thiruvananthapuram/Ernakulam/Kozhikode  
 All Electrical Inspectors  
 All Technical Officers of Chief Electrical Inspector's Office  
 Confidential Assistant to the Chief Electrical Inspector  
 Stock File

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