

**P.U.(A) 328/86**  
**FACTORIES AND MACHINERY (BUILDING OPERATIONS AND WORKS OF ENGINEERING**  
**CONSTRUCTION) (SAFETY) REGULATIONS 1986**  
**PART II - GENERAL PROVISIONS**

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**Regulation 16. Electrical hazards.**

- (1) Before work is begun, the employer shall ascertain by inquiry or direct observation, or by instruments, where any part of an electric power circuit, exposed or concealed, is so located that the performance of the work may bring any person, tool or machine into physical or electrical contact with it.
- (2) The employer shall post and maintain proper warning signs in the national language where such a circuit exists.
- (3) The employer shall advise his employees of the location of such lines, the hazards involved and the protective measures to be taken and shall, if practicable, de-energize the electric power circuit.
- (4) No employer shall suffer or permit an employee to work in such proximity to any part of an electric power circuit which exposes him to contact with the same in the course of his work unless the employee is protected against electric shock by de-energizing the circuit and earthing it or by guarding it by effective insulation or other means acceptable to the Chief Electrical Inspector.
- (5) In work areas where exact location of underground electric power lines is unknown, employees using jack-hammers, bars or other hand tools which may come into contact with such lines shall be provided with insulated protective gloves and insulated protective footwear.
- (6) All wiring shall be supported on proper insulators and not looped over nails or brackets.
- (7) No wiring shall be left on the ground or the floor of a building unless it is unavoidable and where it is necessary to lay electric wiring on the ground or the floor of a building, the wiring shall be of the weatherproof types and shall be provided with adequate mechanical protection to withstand the wear and tear to which it may be subjected and it shall be maintained in good and safe working order.
- (8) No bare wires or other unprotected conductors shall be located within 4 metres of any surface where employee may work or pass, unless completely guarded by a fence or other barrier.
- (9) Where electrical appliances and current-carrying equipment have provisions made for earthing, they shall be properly earthed.
- (10) All temporary electrical installations in building and engineering construction worksites shall be provided with earth leakage circuit breakers.
- (11) Elevated power lines shall have a sufficient vertical clearance where they cross highways, access roads or areas travelled by trucks, cranes, shovels or other similar equipment and shall not be lower than 5.2 metres from the ground surface.
- (12) All electrical installations in building and engineering construction worksites shall comply with the requirements of the appropriate authority.

(13) All electrical installations shall be tested and approved by the Chief Electrical Inspector or his representative, before they are commissioned and such installations shall be maintained in good and safe working order at all times.