

GOVERNMENT OF ASSAM  
INSPECTORATE OF ELECTRICITY  
OFFICE OF THE CHIEF ELECTRICAL INSPECTOR CUM ADVISER  
HOUSE NO. 27, PUB SARANIA ROAD, GUWAHATI-03

No. CEIA/TES-7156/2013/05 Dated Guwahati 24<sup>th</sup> September,2013.

**General Guidelines & Safety Measures for Temporary Electrical installation to ensure public safety:**

1. All concerned person except central or state transmission utility or power distribution licensee ; before commencement of transmission or use of electricity (not exceeding 100 Volts and 250 Watts) in the following places shall give not less seven days notice to concerned electrical inspector and the district Magistrate or commissioner of police containing particulars of the electrical installation and plant if any ,the nature and purpose of such supply :
  - A. Any street ,
  - B. In which one hundred or more persons are ordinarily likely to be assembled .
  - C. Factory within the meaning of factory Act, 1948.
  - D. In any other place state government may Specify by general or special order.
2. At the origin of the electrical supply to the temporary electrical installation, appropriate rating of main switch/circuit breaker to be provided as close to the energy meter / point of commencement of power supply in an earthed metallic enclosure for switching and isolating. The equipment within the enclosure should be unaffected by environmental conditions. Adequate operational space around the switchgears/circuit breaker to be provided in accordance with good practices. The same to be installed on firm and vertical surface to withstand vibration and wind pressure. The aforesaid switch gears should be accessible at any time of the day and night to authorised and designated personnel only.
3. The main switch/circuit breaker to be connected to point of commencement of supply by appropriate size of armoured cable or insulated wires.
4. The outgoing end of the main switch/circuit breaker shall be connected to bus bars of adequate size and various sub-circuits shall be connected to the bus bars through double or triple pole switch gears depending upon whether they are single phase or three phase circuits. The switch gears shall be mounted at a height between one meter to two meters from floor level. There shall be minimum clear distance of 60mm between switch gears for different sub-circuits.
5. Tapped joints shall not be used at height not less than three meters in such temporary installation.
6. All appliances and equipment on temporary installation shall be connected to a system of permanent and efficient electrical earthing system.
7. For earthing; earth electrodes shall be buried near the power supply intake point. The sub – distribution & all appliances & equipment to be connected to earth system in appropriate manner.
8. Fluorescent tube lights (FTL) / Incandescent bulbs / Compact Fluorescent Lamps (CFL) or any other electric lamps shall be used only by using appropriate lamp holder/ frame for holding the same.
9. For wiring temporary lighting installation such as light, fan and 6 Amps plug sockets at – least 1.5 sq.mm insulated copper wires of minimum 650 voltage grade should be used.
10. Loads on any low voltage lighting sub-circuit should not exceed 3000 Watts.
11. There shall not be more than four sockets out lets in power sub-circuits.
12. There shall be at –least two ring circuits –one for light circuit & another for power circuit such as for 16 Amps power sockets.

13. For erection of the electrical installation, good workmanship by suitable qualified personnel and the use of proper materials shall be ensured.
14. Electrical installation shall generally be carried out in conformity with the requirements of the Central Electricity Authority (Measures Relating to Electrical Safety and Electric Supply) Regulations, 2010 and relevant BIS code of practices or National Electrical Code of BIS.
15. The work on electrical installation shall be carried by engaging valid licensed electrical contractor under supervision of a person holding an electrical supervisory certificate of competency issued by the competent authority of the state government and the workman shall also hold the appropriate electrical workman permit.
16. All materials, fitting, equipments and their accessories, appliances etc used in an electrical installation shall conform to relevant Bureau of Indian Standards specifications wherever they exist.
17. Competent personnel to be designated /engaged to carry out duties incidental distribution and use of power at all such sites on 24 hrs basis.
18. Supplier of electricity such as APDCL/APGCL/AEGCL or other distribution licensee /electricity supply agency shall commence power supply in such temporary electrical installation sites only after carry out statutory inspection and testing of such installation from their end after obtaining completion cum electrical installation test reports along with application for temporary power supply from the concerned person / prospective consumer/organiser.
19. Stand by source of power shall be arranged by the consumer/organiser at such temporary sites.
20. No temporary structure /gates /pandals to be constructed /erected below or near the existing bare conductor over head electric lines. At least 1200mm horizontal clearance to be maintained between such structure and bare conductors of the over head power supply lines of voltage 11KV or below. In case of 33KV lines at-least 2000mm clearance to be maintained.
21. At-least 3.7 meters vertical clearance is required to be maintained for such bare conductor over head lines above such temporary structures/gates/pandals.

In the interest of public safety construction of pandals/gates /structure below or near bare conductors of over head electric lines shall totally avoided.

*Temporary supply is generally used at public places and for public functions and therefore, extreme care shall be taken to ensure that there is no risk of any type of hazard either from electrical shock or fire.*

*Issued in public interest by: Office of the Chief Electrical Inspector cum Adviser, Inspectorate of Electricity, Government of Assam, Guwahati-781003.*