

Regulation DD-23.0 Electrical Equipment

- 23.1 All Electrical installations shall be approved by the Authority prior to installation/ operations. It shall remain the responsibility of the lessee/licensee/consultant/main contractor (whoever/wherever is applicable) to obtain relevant approvals from DEWA for such installations.
- 23.2 All electrical equipment and installations shall be so constructed, installed, operated and maintained as to prevent danger and shall conform to such standards as have been recognized by the competent or relevant authority.
- 23.3 Electric equipment shall be installed in a neat and workmanlike manner
- 23.4 Unused openings in boxes, raceways, auxiliary gutters, cabinets, equipment cases, or housings shall be effectively closed to afford protection substantially equivalent to the wall of the equipment
- 23.5 Internal parts of electrical equipment, including bus bars, wiring terminals, insulators, and other surfaces, may not be damaged or contaminated by foreign materials such as paint, plaster, cleaners, abrasives, or corrosive residues
- 23.6 There shall be no damaged parts that may adversely affect safe operation or mechanical strength of the equipment, such as parts that are broken, bent, cut, or deteriorated by corrosion, chemical action, or overheating
- 23.7 Electric equipment shall be firmly secured to the surface on which it is mounted.
- 23.8 Electric equipment provided with ventilating openings shall be installed so that walls or other obstructions do not prevent the free circulation of air through the equipment
- 23.9 Parts of electric equipment that in ordinary operation produce arcs, sparks, flames, or molten metal shall be enclosed or separated and isolated from all combustible material

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- 23.10 Outdoor electric equipment shall be installed in suitable enclosures and shall be protected from accidental contact by unauthorized personnel, or by vehicular traffic, or by accidental spillage or leakage from piping systems
- 23.11 Electrical outlets near sources of water must be properly grounded.