

The safety isolation transformer shall comply with BS EN 61558. Segregation of low voltage and extra low voltage circuits shall be in accordance with section 7 of this regulation.

4.6.8 H.V. Discharge Lighting Equipment

Every High Voltage discharge lighting equipment & installations shall be rated for voltages not exceeding 5 KV, RMS to earth, measured on open circuit and shall comply with BS: 559.

H.V. discharge lighting equipment, including neon signs for advertising or any other purposes, shall not be installed without prior approval from DEWA.

4.6.9 Safety and Emergency Light Fittings

Safety lighting to meet operational requirements shall be provided to suit particular application such as industries, production lines, hospitals, utility complexes, stadiums, shopping centres, auditoriums, etc.

The source of supply for safety lighting shall be either maintained or non-maintained type as appropriate to suit individual applications.

All electrical switch-rooms and operational areas shall be provided with adequate number of emergency light fittings.

The safety and emergency light fittings installed shall comply with BS 5266 and shall be rated for a period not less than 3 hours continuous operation.

The light fitting/s shall normally incorporate necessary battery and charger within.

The safety light fittings shall also incorporate appropriate signs in Arabic and English such as 'EXIT' and directional arrows, as applicable to individual locations.

4.6.9 Electric Motors and Starters

Control of Electrical Motors shall comply with BS EN 60204, if the equipment is within its scope

Motor control circuits shall be designed so as to prevent any motor from restarting automatically after a stoppage due to a fall in or loss of voltage, if such starting is liable to cause danger. Where safety depends on the direction of rotation of a motor, provision shall be made for the prevention of reverse operation due to, for example, reversal of phases.