

- Functional switching
 1. Presence of appropriate devices
 2. Correct operation verified (functional check)

d) Current-Using Equipment (Permanently Connected)

- Suitability of equipment in terms of IP and fire ratings
- Enclosure not damaged/deteriorated during installation so as to impair safety
- Suitability for the environment and external influences
- Security of fixing
- Cable entry holes in ceilings above luminaires, sized or sealed so as to restrict the spread of fire
- Provision of undervoltage protection, where specified
- Provision of overload protection, where specified
- Recessed luminaires (downlighters)
 1. Correct type of lamps fitted
 2. Installed to minimize build-up of heat
- Adequacy of working space/accessibility to equipment

The inspection & testing certificate format shall be completed through the DEWA Getting Electricity online One Window System. The results include insulation resistance tests, continuity tests, earth electrode resistance tests, etc. as given in 'Inspection & Testing Certificate' in Appendix-3. Verification of the submitted test results will also be conducted during DEWA inspection.

1.13 MAINTENANCE, PERIODIC INSPECTION AND TESTING

Maintenance, periodic inspection and testing of every installation shall be carried out to ensure safety and satisfactory performance. The frequency of periodic inspection and testing of an installation shall be determined by the type of installation, its use, operation, the frequency of maintenance and external influences to which it is subjected. Industrial and commercial

Installations shall at least be inspected every 2 years by an independent consultant/contractor. The consultant/contractor or person responsible for the maintenance, inspection and testing shall report to DEWA by writing any defects found in related parts of the existing installations and their rectification, together with a schedule of test result.

Following examples of items requiring inspection for an electrical installation status report can be referred, as applicable to the respective type of premises.