

A visual inspection should firstly be made of the external condition of all electrical equipment which is not concealed.

Further detailed inspection, including partial dismantling of equipment as required, should be carried out as agreed with DEWA

These examples are given below:

a) Electrical intake equipment

- Main/ service cable
- Main Earthing arrangements
- Metering cabling
- Metering equipment

b) Automatic disconnection of supply

- Main earthing/ bonding arrangements
 1. Presence of installation earth electrode arrangement
 2. Adequacy of earthing conductor size
 3. Adequacy of earthing conductor connections
 4. Accessibility of earthing conductor connections
 5. Adequacy of main protective bonding conductor sizes
 6. Adequacy and location of main protective bonding conductor connections
 7. Accessibility of all protective bonding connections
 8. Provision of earthing/ bonding labels at all appropriate locations

c) Distribution equipment

- Adequacy of working space/accessibility to equipment
- Security of fixing
- Condition of insulation of live parts
- Adequacy/ security of barriers
- Condition of enclosure(s) in terms of IP rating etc
- Condition of enclosure(s) in terms of fire rating
- Enclosure not damaged/deteriorated so as to impair safety
- Presence and effectiveness of obstacles
- Presence of main switch(es), linked where required
- Operation of main switch(es) (functional check)
- Manual operation of circuit-breakers and ELCBs /RCDs to prove disconnection
- Confirmation that integral test button/ switch causes RCD/ ELCB(s) to trip when operated (functional check)