

1.3.11.30 Accessories

- A. For each switchboard the Contractor shall supply the following equipment:
- a. 1 No. Electrical grade 1000 Volts, rated for 15 KV for 1 minute dielectric strength rubber mat, 1000 mm wide extending the full length of the MCC/switchboard.
 - b. The rubber mats shall be specifically manufactured for electrical purpose to BS 921. The mats shall be made of Solid natural or synthetic rubber insulating materials. The mat shall be solid and not perforated having a minimum thickness of 10 mm.
 - c. 1 No. Pair of electrical grades rubber gloves to BS EN 60903.
 - d. 1 No. Notice in English and Arabic advising treatment for a person suffering from electric shock.
 - e. A wall mountable lockable key box complete with tags and numbering.

1.3.11.31 Source Tests

- A. Provide testing of Factory Built Assemblies
- B. The whole Assembly shall be witness tested as integral units for a complete sequence of operation and as laid down in BS EN 60439 and based on the completeness of the circuits in the final manufacturer's works.
- C. The Assembly shall not leave the manufacturer's works until the same have been duly approved and stamped by the Engineer and written permission is obtained for their dispatch to site.
- D. The following is a list of important tests shall be carried out:
- Primary injection tests to ensure correct operation of the current operated protection relays and direct acting coils, over their full range settings.
 - Balanced Earth fault stability tests by primary current injection. Care must be taken to reproduce accurately the burdens of inter-connecting cables. A further test to ensure correct polarity must be made after assembly.
 - Tests on auxiliary relays at normal operating voltage by operation of associated remote relays.