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ARAB ENGINEERING BUREAUS

## 32 11 KV SWITCHGEAR

### 32.1 GENERAL

#### 32.1.1 Scope

- 1 This Part specifies the requirements for 11 kV Switchgear.

#### 32.1.2 Description

- 1 11 kV Switchgear shall be provided as specified.

#### 32.1.3 References

- 1 11 kV Switchgear shall be provided in accordance with QGEWC (KAHRAMAA) latest specifications and the International Standards referred to therein.

#### 32.1.4 Submissions

- 1 Tender information and drawings shall be submitted to QGEWC through the supervising consultant. Submissions shall be in accordance with the requirements of the latest QGEWC specifications.

## 32.2 PRODUCTS

### 32.2.1 General

- 1 The contractor shall supply, install, test and commission 11 kV Switchgear as specified.
- 2 The 11 kV Switchgear complete with metering and instrumentation, special tools, accessories, test equipment, etc, shall be in compliance with QGEWC latest standards.
- 3 The contractor shall be responsible for obtaining the latest version of QGEWC specification for 11 kV Switchgear and shall be responsible for obtaining QGEWC approval.
- 4 The product selected and proposed shall include manufacturer's instructions that indicate application conditions and limitations of use stipulated by the product testing agency specified under Regulatory Requirements.
- 5 The contractor shall provide full technical details of the proposed 11 kV Switchgear together with a copy of all relevant standards for review and comment by the Engineer, prior to submission to QGEWC for approval.

## 32.3 INSTALLATION

### 32.3.1 General

- 1 Install Products in accordance with the manufacturer's instructions.
- 2 A contractor who is currently approved by QGEWC must carry out installation. The written approval of QGEWC for the contractor to carry out the work must be forwarded to the Engineer, and be acknowledged by him, before any installation work commences.

- 3        Earth and bond duct under provisions of Part "Earthing and Bonding".

## **32.4    QUALITY CONTROL AND TEST PROCEDURES**

### **32.4.1   General**

- 1        The manufacturer shall provide proof of a stringent Quality Control (QC) Plan or Inspection Test Plan (ITP). In particular the main equipment manufacturing stages sanctioned by appropriate tests such as: incoming components inspection, discrete sub-assembly tests and complete functional checks on the final product. Final inspection and calibration operations shall be documented in a report drawn up by the supplier's Quality Inspection department.
- 2        The Assembly shall not leave the manufacturer's works until the works test sheets have been duly approved and stamped by the Engineer and written permission is obtained for their dispatch to site.

## **32.5   ENVIRONMENT**

### **32.5.1   General**

- 1        Environmental conditions shall be as specified in Section 1 Part 1 and/or QGEWC specifications as applicable.

END OF PART