

**Heat:** cooking areas, chlorination station, work shops, emergency power station

#### **1.3.35.9 Fire Alarm System at Pumping Stations**

The fire alarm and fire protection system in structures for the MCC of pumping stations shall be as per the approval of Civil Defence Authorities.

#### **1.3.35.10 Telephone System**

- A. The Contractor shall supply and install all ducts, conduits, trunking, wiring, boxes, and accessories including pulling wires for telephone and intercom system along with telephone and intercom outlets. The main cable entry ducts for telephone shall be independent, separate and have a minimum 2 Nos. size of DN 150 with manhole of minimum size of 600 x 600 x 700 mm , conduits shall not be less than DN 25 and each conduit shall not serve more than 3 telephone outlets. Telephone outlets including plates and intercom outlets shall be procured from the same manufacturer as for those of the electrical works and to the approval of the Engineer.
- B. A wooden cabinet with terminal block of suitable size as per requirements of ETISALAT shall be provided for termination of ETISALAT incoming cable
- C. Telephone cabinet shall be provided for the telephone and intercom facilities inside dry well.
- D. Earthing for telephone systems shall be separate and isolated from all other earthing systems of buildings. The earth lead from the main distribution panel shall not be less than 16 mm<sup>2</sup>.
- E. All telephone installations and all works shall be in accordance with ETISALAT regulation. The Contractor shall allow in his rates for coordinating with ETISALAT for approvals and installation including the service charges for providing of telephone connection.

### **1.4 Part 4 Inspection**

#### **1.4.1 Tests, Inspections and Commissioning**

- A. The Contractor shall furnish and shall allow in his rates for the costs of all supervision, material, plant, apparatus, labour, etc. required for carrying out the tests, for re-testing and commissioning the plant as specified.