

- B. The appliance inlet shall be used for generator up to 125 A and be housed in a weather proof junction box fixed and located outside the MCC Room as shown on plant and equipment drawing.
- C. The junction box shall have detachable gland plate at the bottom facilitating easy connection and disconnection of generator cable. Higher capacity generator rating above 125 A shall be provided with solid copper links.

#### **1.3.12.5 KWH Meter Section**

- A. A separate section shall be provided to house Authority (ADDC) calibrated kWh meter. The contractor shall ensure that the kWh meter is calibrated and properly sealed before installing and wiring in the Motor Control Centre.
- B. The kWh meter shall be direct reading type for load up to and including 100 A powered through a separate 100 A (Maximum Rating) 3 Pole with solid neutral link, fixed type manually operated MCCB housed within the kWh meter section. The kWh meter section door shall have the facility to pad lock the door by the authority. The contractor shall provide the padlock and three keys as approved by the engineer. The Contractor shall contact Abu Dhabi Distribution Company for the latest specification, if any.
- C. ATS panel where specified shall be provided with Authority kWh meter on the panel. No kWh meter shall be installed in the MCC in this application.
- D. The kWh meter shall be CT operated for loads exceeding 100A.
- E. Following are the approved ratings of the current transformers (CTs) as approved by ADDC.
  - a. 200/5 A
  - b. 300/5 A
  - c. 1000/5 A
  - d. 2000/5A
- F. The Contractor shall ensure that in case of requirement of CT operated analogue meters wherever specified shall be provided with calibrated meter scale matched with the primary amperes of the current transformer.

#### **1.3.12.6 Outgoing Sections**

- A. Each outgoing starter, feeder or other Functional Unit shall be enclosed within its own section as per contract specification.