Meters Technical Specifications, as private check meters for energy monitoring purposes.) The basic data schedule for the smart metering is given in Appendix-4. The above meter and CTs shall be tested and calibrated by DEWA prior to installation at site. The CTs shall be located on the bus bars immediately after the circuit breaker/ isolator, where the complete installation is to be metered at. Removable links of adequate length shall be provided in the bus bar of each phase to enable easy maintenance and replacement of CTs. Three CTs shall be provided for each metering.

3.3.9 The Current Transformer of following Rated Transformation ratio shall be used as a standard requirement:

a) 200/5
b) 300/5
c) 400/5
d) 800/5
e) 1600/5
f) 2400/5

3.3.10 Each Current Transformer shall have the following markings:

a) Manufacturer's name and/or trade mark.
b) Rated primary current and secondary current.
c) Rated Frequency and primary maximum voltage.
d) Accuracy Class.
e) Rated output (VA).
f) Terminal (secondary winding) identification (S1, S2)
g) Power flow direction (P_1, P_2)

Manufacturer may include any other markings that he considers to be included.

3.3.11 Transparent viewing window shall be provided in all metering cabinets and doors of enclosures housing the meters with associated distribution switch gear, for facilitating meter reading.

3.3.12 All metering cabinets and enclosures shall be constructed from fire-resistant/ non-combustible material.

3.3.13 When meters are installed in electrical switch room/s, fire-resistant/non-combustible base plates shall be provided. Single core PVC or XLPE insulated & PVC sheathed cables to BS 6004 shall be used for connection to KWH meters, except when installed / segregated within separate metering cabinets.