

- a) For all buildings with a cooling load of at least one (1) megawatt (MW) or gross floor area of 5,000 sq. metre or greater, additional electrical sub-metering (of tariff class accuracy) must be installed to record demand and consumption data for each major energy-consuming system in the building. At a minimum, all major energy consuming systems with a load of hundred (100) kilowatts (kW) or greater must be sub-metered.
- b) The building operator shall be responsible for recording details of the energy consumption for the building and ensuring that major electricity uses are sub-metered. Records must be kept for five years.
- c) Each individual tenancy in the building must have a sub-meter installed when a building tariff meter is not present. These sub-meters should only be for demand management and electricity cost allocation purposes.
- d) Where a Building Management System (BMS) or Central Control and Monitoring System (CCMS) is installed, metering must be connected to allow real-time profiling and management of energy consumption.
- e) All meters must be capable of remote data access and must have data logging capability and complying with DEWA smart meter technical specifications and communication specifications. All meters shall be approved by DEWA.
- f) Virtual meters using run-hours are not acceptable as sub-meters.

12.2.7 Central Control and Monitoring System

For all buildings with a cooling load of one (1) megawatt (MW) or gross floor area of 5,000 sq.m or greater, the building must have a central control and monitoring system capable of ensuring that the building's technical systems operate as designed and as required during all operating conditions, and that the system provides full control and monitoring of system operations, as well as diagnostic reporting.

At a minimum, the system must control the chiller plant, heating, ventilation and air conditioning (HVAC) equipment, record energy and water consumption and monitor and record the performance of these items

12.2.8 On-Site Renewable Energy –Small to Medium Scale Embedded Generators

Connection of Distributed Renewable Resource Generation (DRRG) to DEWA grid shall be subject to DEWA approval. Necessary guideline for DEWA specifications, acceptable Standards, procedures, etc. will be published and updated on DEWA website from time to time.

All on-site generation equipment and connections must be approved by and meet the requirements of DEWA for connection, in compliance with the Regulations, specified under Section 10.