

**Dubai Electricity & Water Authority**  
**(Consumer Service Department – Ref: IMS / W-NOC / 03)**  
**IMS (Intelligent Metering System)**

**III. Requirements related to the Water Metering Cabinet:-**

1. The size of water meter cabinet shall be 600mm height, 400mm width and 190mm depth.
2. The water meter cabinet shall be manufactured with non-corrosive/GRP material.
3. The cabinet door shall be with SS316 hinges and have 180° door opening.
4. Door locking system shall be with padlock as shown in the drawing.
5. Cross ventilation holes shall be provided at top and bottom corners with wire mesh and protection cover.
6. A handle shall be built in within the cabinet door near the lock.
7. The window of the meter cabinet shall be clear wired glass (not plastic) type and the meter register shall be clearly visible through the window for reading the meter easily, without the use of any torchlight etc.
8. The window shall be located in the upper middle part of the door so that the meter register will be visible when the adaptor and stopcock at the meter inlet are fitted inside the meter cabinet.
9. Pipe inlet hole shall be 75mm dia at the bottom centre part of the cabinet.
10. Pipe outlet shall be 40mm dia. at the right side of the cabinet.
11. Two numbers drain holes 25mm dia. shall be provided at the front side bottom of the cabinet with wire mesh protection.
12. The isolation valve after the meter shall be inside the meter cabinet and the outlet pipe shall be outside the meter cabinet to avoid obstruction.
13. A threaded joint/union shall be provided after the downstream isolation valve to make any length adjustments for meter connection in accordance with the meter length.
14. The (face to face) distance between the downstream isolation valve and union shall be 100mm.
15. While installation sufficient space shall be provided around the water meter inside the cabinet to permit servicing, *in situ* dismantling and removal of the meter easily without any obstruction.
16. The meter cabinet shall be fixed at standard height and the meter shall be at a height of 1200mm so that the meter can be read/repared/replaced/ removed easily without the use of any ladder etc.