7.2.5 Every circuit breaker or fuse within the distribution board shall be identified and labelled to indicate the apparatus or circuit it controls.

7.2.6 Each final distribution board shall only supply the circuits in the same floor area, where the distribution board is located, except for specific applications such as stair case & common corridor-lighting in high rise buildings. Prior approval shall be obtained from DEWA for every application, as specified under Section 1 of this Regulation.

7.2.7 In multi consumer installation, such as commercial or residential buildings, the consumers' distribution board/s shall be installed within the respective consumers' premise (e.g. Shops, Flats, etc.) and shall be near to the entrance of the premise.

7.2.8 Incoming supply cable installed to any distribution board shall be totally segregated and identified from the outgoing circuit cables/wiring.

7.2.9 All distribution boards shall be installed flush or surface mounted at a height not exceeding 2 metres from the finished floor level to the top of the distribution board.

7.2.10 All Low Voltage panels of 1600Amps and above shall be of Form 4 type.

7.3 BUSBAR TRUNKING SYSTEMS (BUSWAYS /BUS RISERS)

7.3.1 Busways shall be permitted for installation only where adequate access is available for inspection and repair throughout their entire length.

7.3.2 The design, manufacture, testing and performance of the busbar trunking system shall be in accordance with the latest edition of BS EN 61439. IP rating shall be considered depending on the location of installation, indoor, outdoor, proximity to wet areas etc. (BS EN 60529).

7.3.3 Each piece of busbar trunking shall be tested before it leaves the factory for 3.5kV Dielectric test for 4 seconds & 1000V Megger test. Test certificates for the same shall be produced during DEWA inspection.

7.3.4 The busbars shall be totally enclosed in a non-ventilated, low impedance sandwich design. The busbar trunking shall be sandwiched throughout its entire length and shall not be flared at tap-points.

7.3.5 Before and after installation at sites, each piece and run of busbar trunking shall be Megger tested at 1000V.

7.3.6 Each busbar riser, proposed for installation in high rise buildings shall be designed to ensure reliability of power supply with maximum 12 floors interrupted during outage of the