

A current demand of 13 Amps shall be assumed for each 13 Amp. switched socket outlet circuit. A minimum of 200 Watts per point may be considered for each 13 Amps. Switched socket-outlet, installed for general utility purpose, other than kitchen. All twin socket-outlets shall be considered as two separate socket-outlet points, kitchen area may need separate circuits.

A current demand of 15 A shall be assumed for each 15 A switched socket-outlet circuit. However, for general purpose utility socket-outlets, an assumed load of 1000 Watts per socket-outlet installed in commercial and industrial premises and 500 Watts per socket-outlet in residential premises may be permitted.

For stationary appliance and equipment including air-conditioners, the actual load of each appliance and equipment shall be considered as connected load.

Current demand of point such as electric clock and other current using equipment of rating not greater than 5 VA may be neglected.

For multi consumer installation which include commercial type of premises such as Shops, Showrooms, Garages, Workshops, etc. where provision for connection of additional load may be required, the assumed connected load of each spare/space/circuit shall also be indicated in the load distribution schedules submitted for DEWA's approval.

4.7.2 **Maximum Demand**

All distribution boards shall be rated for total connected loads before a demand factor is applied.

The demand load of each final sub-circuit is determined by adding the actual or assumed load of individual points/appliance/equipment, whichever is higher. An allowance for diversity may be permitted where appropriate.

The details of load distribution schedules shall be submitted for DEWA's approval in the format given in Appendix 2,3&4. The total connected load of individual distribution levels/ circuits shall be determined as recommended under section 4 of this Regulation. An appropriate demand factor, worked out by a suitably qualified electrical engineer, shall be permitted; to determine the maximum demand at the main or sub-main distribution level.

The limit of 'Maximum Demand' in KW, permitted at Main Distribution Board (MDB) connected to DEWA's supply feeder/transformer for the distribution of normal residential and commercial premises without connecting large motor loads, is noted below for guidance.