

LOW VOLTAGE AC SYSTEM (SIEMENS) PANEL

The LVAC (SIEMENS) panel made according to the technical specification of (MINISTRY OF ELECTRICITY) MOE in 2012 for substation 11/33 KVA (2x31.5MVA) and IEC standard

The supply will be taken from the 0.416/11kV Aux. transformer. Arrangement and connection details of the AC

The LV AC switchboard is free standing metal clad totally clad enclosed Indoor type

Designed for 230/400V, -3phase, -4wire, 50Hz with solidly earthed neutral and bus-bar rating of 500A.

The switchboard comply with IEC 60947 and IEC 60439.

The incoming of the main 230/400V distribution circuit supplied through a -4pole Molded Case Circuit Breaker (MCCB) of nominal current rating 400A.

The protection to be provided by thermal and magnetic release for over load and short circuit trip with time lag and compensation for ambient temperature The adjustment of the over load protection between 80 to %120 of the full load rating.

The incoming circuit provided with voltage meter & ampere meter, AC under-voltage relay, phase-sequence relay, earth fault sensing relay and the respective alarm indication.

The rated symmetrical breaking capacity 35kA

The outgoing feeders from the main distribution circuit individually controlled and protected by means of MCCB rated at the pertaining circuit loads. The nominal rating of each unit 20A.

The outgoing circuits breakers are molded case circuit breaker varied size 100A, 63A, 32A

