



CONTROL AND RELAY PANELS

Al-Ahleia Control and Relay Panels for Switchgears upto 300 kV are designed, manufactured and supplied to suit requirements of each specification.



RANGE OF CONTROL PANELS SUPPLIED

- Local Control Panels for 132 kV Switchgear
- Remote Control Panels for 132 kV and 300 kV Switchgear
- Relay Panels for 132 kV Switchgear
- Remote Control and Relay Panels for 11 kV and 33 kV Switchgear
- Tap Changer Control Panels for 132 / 11 kV and 300 / 132 kV Transformers
- Pilot Marshalling Cabinets
- Telemetry Terminal Transfer Cabinets
- Annunciator Panels
- Synchronizing Panels

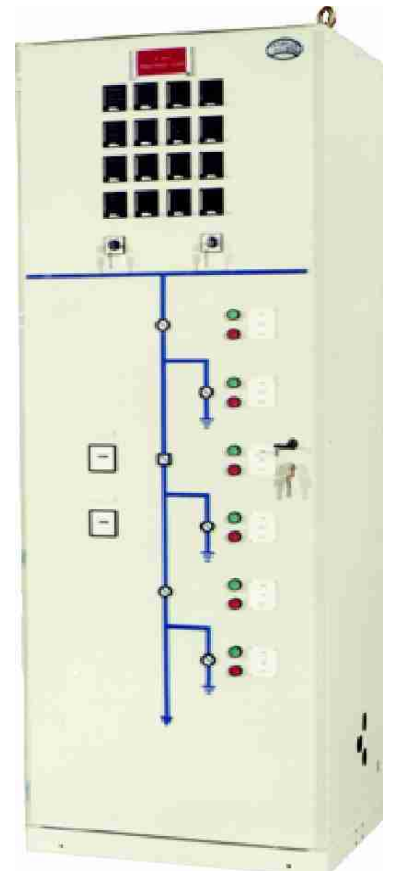
DESIGN AND CONSTRUCTION

A group of specialised Engineers and Draughtsmen having in-depth knowledge do the design of the electrical schemes for control and protection for all types of applications. Al-Ahleia is well equipped with latest CAD/CAM facility to undertake execution of orders for custom-built panels. High quality neatly wired Panel Boards of various sizes with coloured mimic can be provided for various requirements. Construction types include

- Standard 600/800mm wide panels
- Relay panels with glass doors
- Duplex Control Panels with walkway
- Panels in 'L' and 'U' formation.

TECHNICAL SPECIFICATION

Reference Standard	: IEC 60439-1
Rated Insulation Voltage	: 690 V, 50 Hz / 60 Hz
Degree of Protection	: IP 51 (higher values on request)
Paint Colour Shade	: Light Grey Shade RAL 7032 (Other colours on request)
Cable Entry	: Bottom
Access	: Front / Rear



Local Control Panel
for 132kV GIS

QUALITY ASSURANCE

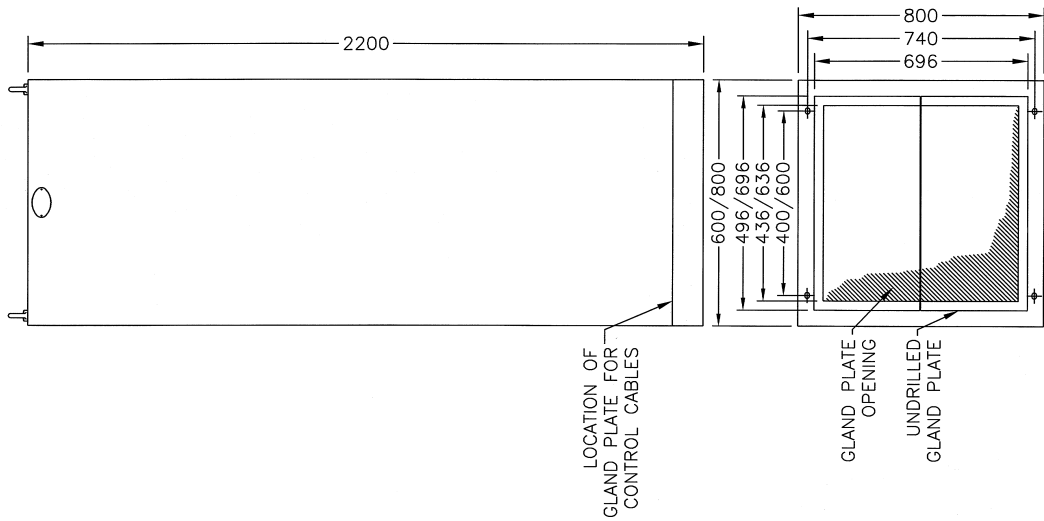
Al-Ahleia is fully equipped to conduct all tests at works before supply of equipment to site. Testing facility includes primary and secondary injection test equipments for all types of relay testing.

INSTALLATION, TESTING AND COMMISSIONING

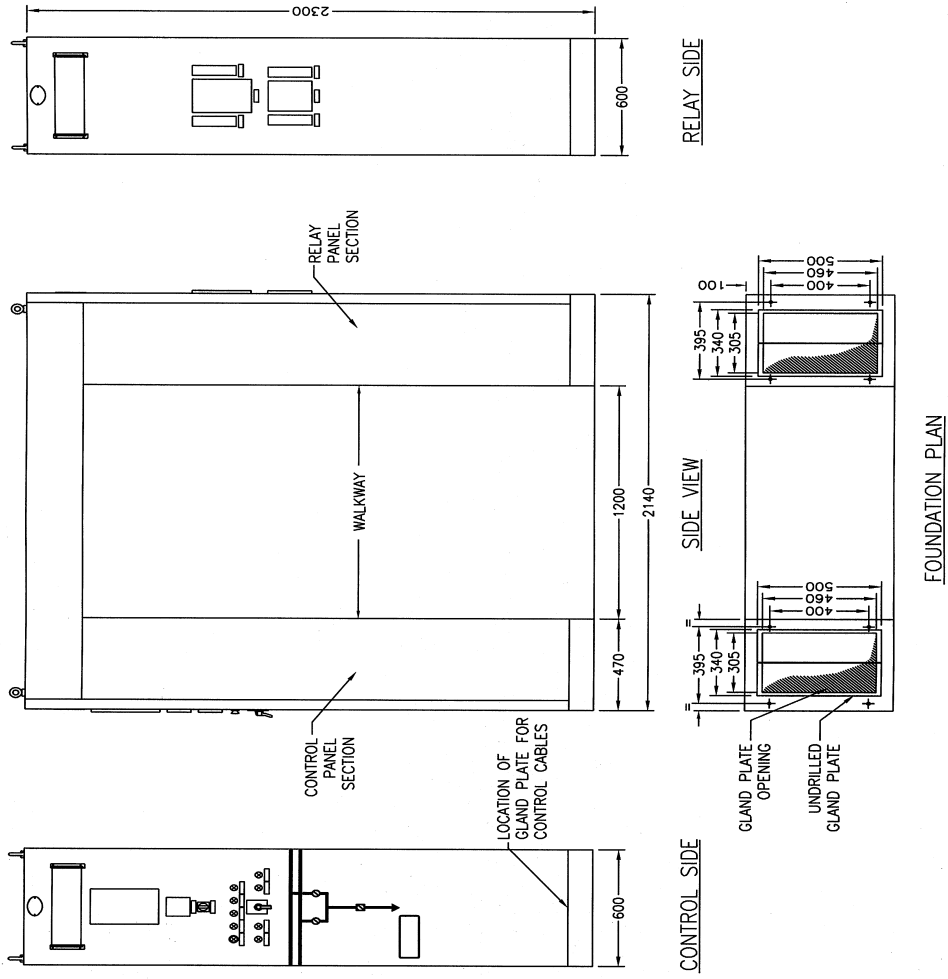
A team of professionals is available to undertake complete installation, testing and commissioning of all types of Control and Relay panels at site. Latest equipments are available to undertake complete testing and commissioning of all types of requirements.



11 kV Remote Control and Protection Board
In 'L' formation



STANDARD CONTROL & RELAY PANEL



TYPICAL DUPLEX CONTROL & RELAY PANEL