



LV TYPE TESTED SWITCHGEAR

System Pro E Power _____ **ABB**

- Fully type tested for Conformance to IEC-61439 1 & 2.
- Rated Voltage: up to 1000V AC - 1500V DC.
- Rated Current: up to 6300A.
- IP Protection: IP 30 to IP 65.
- Form of Segregation: Form-1 to Form-4b.
- Fixed, Plug-in, Withdrawable.
- Transparent Glass or Blind Doors.

Supplied with ABB Brand Name with technology transfer from ABB Italy to Bilal Switchgear Engineering (Pvt.) Limited, assembled under license by ABB.





LV SWITCHGEAR PANELS

Powered By **ABB**

We manufacture low Voltage Switchgear Cubicles from 400A to 6300 A according to IEC-61439-1&2. All measuring and recording instruments like Ampere Meter, Volt Meter, Energy Meter etc. are mounted on the front door in Semi Finished Style for easy accessibility for checking of the instrument on the inner side of the door.

Main LT panels, Sub Main Distribution Boards, Motor Control Centers, PFI plants and Final Distribution Boards are equipped with high Quality ABB make major components. Design & Assembly is customized to diversified end use application.



MEDIUM VOLTAGE PANELS

Eco Safe (Powered by **ABB**)

- Design to applicable IEC standards.
- Medium voltage switchgears are manufactured from 6.6 kV, 24 kV and 33 kV.
- The panels design incorporates all necessary interlocks to safeguard the equipment as well as operating staff.
- All protection relays, measuring and protection instruments are mounted in the instrument and relay compartment for easy accessibility.
- The circuit breaker trolley (VCB) contains service position, test / isolated positions and with drawn position, In-service position, automatic shutter system is provided for protection against the live parts.



MV TYPE TESTED SWITCHGEAR

Unisafe 2.0 **ABB**

- Fully type tested as per IEC 62271-200, internal Arc Classified IAC AFLR.
- Loss of service continuity LSC2B and PM metallic partition.
- Wide range of applications, Vacuum or SF6 Circuit breakers as well as Vacuum contactors.
- Ideal solution for Industry, Utilities and Infrastructure projects. Panel is only 600 mm wide up to 1250A.
- Fully tested IP4X as per International IP classification.
- Equipped with Exhaust duct and Chimney based solution which can route the flames outside building in case of an Arc Fault.

Supplied with ABB Brand Name with technology transfer from ABB Italy to Bilal Switchgear Engineering, assembled under license by ABB.



RING MAIN UNITS

Safe Ring / Safe Plus ——— ABB

- Extendable Ring Main Unit - SafeRing
- Compact Switchgear - SafePlus
- System Voltages from 12 to 24kV
- Switch, switch-Fuse & Circuit Breaker (VCB) options
- Internal Arc Classification IAC AFLR up to 25KA/1s
- SF6 Gas-Insulated for excellent performance
- Fully sealed for lifetime
- Advance and Flexible, Canopy Option for Outdoor service
- High Reliability and Safety for Secondary distribution
- Designed and tested according to IEC-62271



DRY TYPE TRANSFORMERS



- Cast Resin or Vacuum Impregnated.
- Rating up to 30 MVA.
- Voltage Level up to 52KV.
- Copper OR Aluminum winding.
- Guaranteed zero tolerance lower losses by Eco-design.
- Type tested by CESI according to latest standards.
- Tailored for all applications.





**BILAL SWITCHGEAR ENGINEERING
(PVT.) LIMITED**

Heavy Duty Exhaust Supply Air Fans & Evaporative Air Cooling Systems

Bilal Switchgear Engineering (Pvt.) Limited is one of the leading manufacturers of ventilation and evaporative cooling systems, designed and built with advanced technology.

Industrial Evaporative Air Cooling System (Fan / Blower Type) with Imported Cooling Pads

Energy Saving Automatic Louver Belt Driven Fan

Industrial Pedestal Fan

Industrial Exhaust Air Blowers Unit



Tunnel Jet Fan

Heavy Duty Belt Driven Industrial Supply Fan

Direct Axial Fan

Heavy Duty Direct Ventilation Fan

Industrial Evaporative Air Cooling System (Fan / Blower Type) with Imported Cooling Pads



Outdoor Mist Cooling System

Head Office / Factory:
11 KM, Raiwind Road, Lahore Park Stop, Lahore-Pakistan.
UAN: +92-42-111 19 19

Email: Fans@bilaleng.com

Email: fans@bilaleng.com | Web: www.bilaleng.com