



ABOUT US

E SQUARE SWITCHGEARS is a group of technically qualified and professionally competent electrical engineers having 35 years' of experience in Design, development, commissioning, maintenance and supply of various electrical equipments, specially sub-stations.

The company was envisioned and floated by Mr. Sunil Anand who comes with more than 3 decades of Industry experience with him in both domestic and International Markets.

E Square Switchgears, primarily deals in manufacturing of Vacuum Circuit Breakers, HT & LT panels and instrument transformers. We at E Square switchgears have achieved the excellence to reckon with in-depth study and experience to achieve and deliver quality product, which is trouble free and gives satisfactory service.

The company has equipped their engineers with varied experience and skill to rise to the occasion to provide service to their customer to their entire satisfaction.



HT 11KV ACB (COMPACT BREAKER)



Indoor/Outdoor High-Voltage Air Break switches are based on a modular principle, which is suitable for the power system of 3.6 KV to 36 KV. They represent an attractive solution as a key breaking current for application in enclosed Switchgear, Ring main unit and compact substations. In combination with current limiting CT, IDMT Relay unit ensure control over the full range of over load and short circuit currents. It is used for Switching the Transformers, Capacitors, protecting cables and overhead lines, etc.

FEATURES:

- ➔ Switch can make and break the normal rated current.
- ➔ Switch can withstand short circuit making current.
- ➔ Mechanism has a quick make—make and quick-break feature and the speed of make and break being entirely independent of the operator.
- ➔ The handle is trip free and a trip coil is for tripping.
- ➔ Switch is available with Earth Switch for cable earthing with safety interlocking.

11/33KV BYPASS PANEL



We present you the solution for isolating the Servo stabilizer (AVR) in a few minutes for repairs and maintenance with minimal disturbance to the supply.

Indoor & Outdoor type Bypass panel for 11 KV & 33 KV servo stabilizer.

SALIENT FEATURES

Isolates AVR in Few Minutes

- ➔ Facilitates easy disconnection of AVR
- ➔ Compact and Modular Design
- ➔ High Reliability
- ➔ Fully Compartmentalizes
- ➔ Internal Arc Compliance
- ➔ Self aligning type contactors
- ➔ Fully interlocked and operational safely

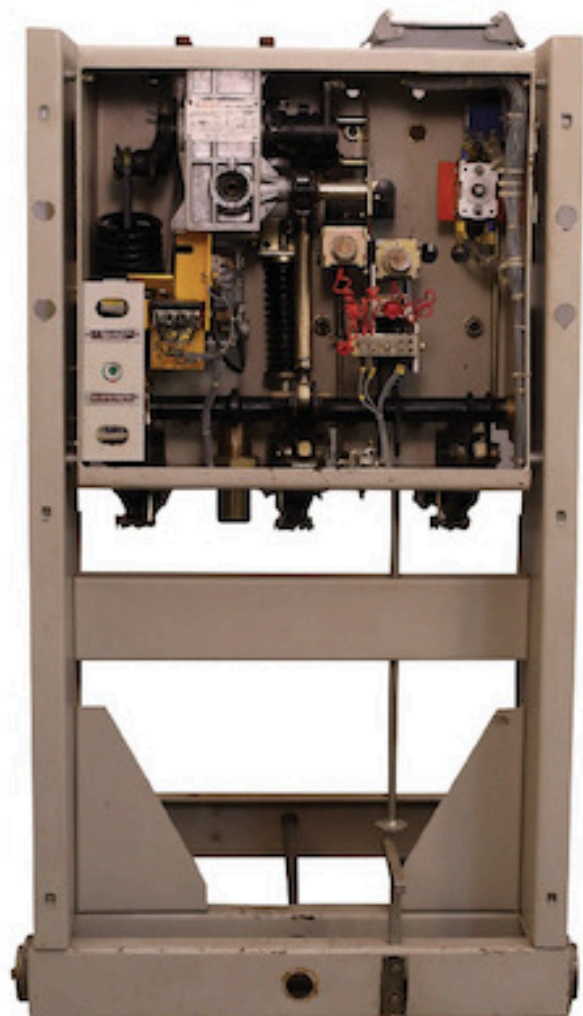
VACUUM CIRCUIT BREAKER

It consists of manual/motor operated spring charged mechanism of stored energy type. In the closed state of breaker, the closing spring can perform the duty operation. Facility is also available for hand charging the springs in the event of control supply failure. The closing spring is charged in less than 15 sec. Electrical anti-pumping feature is also provided. The mechanism is trip free and suitable for rapid re-closing. The vacuum interrupters are capable of switching capacitive currents and small magnetizing current.



SALIENT FEATURES

- ➔ Conforms to IS2147, IEC-62271-100, IEC-60298 & IEC-60694.
- ➔ Fully compartmentalizes & internal arc compliance as per standards.
- ➔ Emergency tripping arrangement without opening the breaker chamber front door.
- ➔ Extensible & modular construction.
- ➔ High reliability. Re-strike free.
- ➔ Horizontal isolation, horizontal drawn-out.
- ➔ Self aligning type cluster contacts for robust design.
- ➔ Stored energy type spring closing mechanism.
- ➔ Fully interlocked for operational safety.



REMOTE TAPCHANGER CONTROL CUBICLE



Remote Tap Changer Control (RTCC) is a conventional equipment to control the output of the Transformer from the OLTC unit fitted in the transformer. The desired voltage will be achieved accordingly by controlling the OLTC with respect to the tap position through RTCC system. The output voltage of the transformer will be maintained through an AVR (Automatic Voltage regulator), which continuously verifies the output power with the set / programmed reference voltage and will trigger the OLTC accordingly. RTCC panel controls are same irrespective of OLTC type whether in tank or external mount OLTC. Our range of products includes fully fabricated assembled and wired RTCC Panels. All necessary components used in the panel are of reputed makes with high quality. We offer these panels in different sizes and configurations to meet the customer requirements. Owing to their highly efficient functioning, low maintenance & easy installation, these RTCC panels are highly appreciated by our esteemed clients. Since RTCC panels are generally mounted in the control room our panels conform to IP-44 protection class

POWER DISTRIBUTION PANELS



We have made a formidable impression as a Power Distribution Panel Manufacturer, from Ghaziabad, Uttar Pradesh. Power Distribution Panel is manufactured in accordance with the most demanding industry and international standards. The Electrical Distribution Panels, made available by us, is equipped with impedance, rating and flux density of core. Equipped with the ultra-advanced technology, our array of Electrical Distribution Panels can be customized as per the buyers' necessity

POWER FACTOR CORRECTION PANELS

Power Factor is the ratio of Active Power to the Apparent Power drawn by any load. Low power factor leads to increased transmission and distribution losses leads to increased electricity bills without increase in productivity, heating & hunting of DGs with increased fuel consumption. PFC systems increase the efficiency of power supply, delivering immediate cost savings on electricity.

E Square Switchgears offers you a best solution to monitor and improve power factor. We perform a load study to check the system for proper solution to improve the power factor near to unity. While study we take care following points:-

- ➔ Transformer impedance level.
- ➔ Type of load flow.
- ➔ Harmonics level.
- ➔ Voltage levels.
- ➔ Equipment condition and operation.

CONTACT US

Sales Manager

Laksh Anand

Ph. - 7290052306

Email- sales@esquare.in

Partner

Sunil Anand

Ph. - 9910111733

Email- Sunilanand@esquare.in

Head Office:

A2/202, Shiv Arcade,

Acharya Niketan Market,

Mayur Vihar Phase -1, Delhi - 110091

Ph.- 011-41500567

Works:

H-46, UPSIDC Ph-1,

Masuri Gulawati Road,

Ghaziabad-245301

website - www.esquare.in

