



# SHREEJI ELECTRIC

**SHREEJI ELECTRIC** brand electric control panel are manufactured to international standard catering to entire low voltage spectrum. We are reputed manufactures of control panel. We are offering latest technology with distinguishing features of reliability, safety and rugged construction at an affordable price, *we understand the value of your MONEY.*



## PRODUCT RANGE

- Electric System & Automation
- All Types Of G.e.b. Work, Prepare Test Report & Electrical Consulting.
- Power Control Center Panel
- Motor Control Center Panel
- New Industrial Hub's Street Light & Borwel Fully Automatic Panel.
- Automatic Power Factor Correction Panel
- DOL, Star - Delta, Auto Transformer Control Panel
- Bus Ducts
- Customer Made Control Panel
- AC Drive & Soft Starter Control Panels
- Logic Panel & PLC Panel



## About Company

Our QC Department conducts checks on inputs and different stages of production to ensure that quality of the final products is maintained as per the highest quality standards.

Our Legendry after sales service is an integral part of our philosophy of customer service.

IT IS A COMMITMENT, A SENSE OF LOYALTY, NOT AN OBLIGATION

We have an ambitious expansive program and plan to add more products to our existing range in nearest future.

## Technical Team

The experienced treatment and Engineers are parts of our Enthusiastic and dedicated team. Their rust experience cover various sector of manufacturing units & all of them are individually capable of providing solutions, taking initalives and finding out the resource you can bank of them.

## G.E.B./TORRENT POWER CONTRACTOR BASIS WORKS.

- As stated above we work on G.E.B. or TORRENT POWER'S power passing Process.
- We take responsibility of Brand new plant's taking Electricity and To pass the power.
- We provide TEST REPORT of G.E.B. or TORRENT POWER to the respective plant.
- The TEST REPORT is as per Requirement of the Power of the respective plant.
- WE DO ALL TYPES OF G.E.B. AND TORRENT POWER LTD'S CONTRACTOR BASIS WORKS.

## Power Control Center – PCC

Power Control Centers (PCCs) normally comprise of either Breaker Panels Only or Breaker and MCC panels coupled together (9 PMCCs) These Conform to IS 8623 and IES 439

Breaker panels can be offered either in single to two Tier configurations. Busbars are designed for rating up to 3200 A and 65 kA fault level for 1 sec. Higher ratings and fault levels can be offered.

Breaker Panels are suitable either for cable or busduct

Entry from top or bottom and can be coupled with

Either Single front or double Front MCC panels. The Breaker panels are provided with segregated compartments for safety.



**Bus bars designed for upto 4000A at 50kA (rms) for 1 sec, Fault level.**

## Motor Control Center - MCC

The Motor Control Centers (MCC) from GE are of Modern Design with new generation features in Conformation to the requirements of Power Plants, Refineries and other Engineering & Process ind. The MCCs confirm to US 8623 & IES 439.

- Modular Design with Bolted assemblies on welded frame.
- Panel Of sheet steel for profile with internal parts Zinc Plated
- Fully Draw out & Non Draw out version available in Single front
- Conforming to IP- 55 Degree of Protection.



## Automatic Power Factor Correction Control Panel.



Capacitor Control Panels are provided for Controlling the Power factor of the Complete installation. The Front of the fully compartmentalized feeder for controlling Individual capacitors. Whereas rear side of the CCP House Individual capacitors. Whereas rear side of the CCP House

- High speed power factor correction
- Thyristor Switching
- Maintaining Standard Reducing Electricity Consumption.
- Provision of detuned Reactors in the panels For reliable operation in presence of Harmonics.

## DOL, Star-Delta & ATS Control Panel

Our Manufactured Control Panel were used for operating submersible pump or other electric motors & Specially for Rural agro electric market.

- Overload Protection
- Single Phasing Protection
- Unbalanced Current Protection Three Phase Motor
- High/Low voltage Protection
- Reverse Phasing Protection
- Dry run Protection
- Various Current rate setting
- Air Cooled transformer various taping 60%,70%,80% etc
- LED Indication
- S/D & A.T.S. Control Panel MCC (2+1,1+1)



## Bus Duct

Bus duct designs are most important as bus duct have much Less volume of air dissipation compared to P.C.C. Bus duct is An important link to feed power from transformer. L.T. side To the PCC incomer.

- Bus Duct upon to 4000A with copper / Aluminium bus
- Bars supported on DMC/ SMC Support.
- Bus bar with Heat shrinkable Sleeves.
- Indoor/Out Door Duty, Separate Adapted Earthing at Both End With Space Heaters & Earth Bus.

# Customer Made Control Panel

We are manufacturing Complete range of Project Client Requirement Special Panel As Follow.

## ❖ WOOD AND LAMINATE PLANT

- Double Head and Single Head Sending Machine Electric Panel
- Cutting Machine Electric Panel
- Hydraulic Press Electric Panel
- Wrapping Machine Electric Panel

## ❖ PVC PLANT

- Pipe Excursion Machine Electric Panel
- Pipe Vacuum Water Tank Electric Panel
- Pipe Traction Electric Panel
- Pipe Auto Cutter Electric Panel
- Profile Excursion Line Electric Panel & Automation
- Corrugator Pipe Excursion Machine Electric Panel
- Recycle Excursion Machine Electric Panel
- PVC Grinder Machine Electric Panel
- PVC Pulverizer Machine Electric Panel
- All Type Of PVC Injection Machine Electric Panel

## ❖ CASHEW PLANT

- Nut Processing Machine Auto Electric Panel
- Moisture Humidity Fire Panel
- Cashew Good Finished Auto Electric Panel

## ❖ DISPOSABLE PLANT

- Paper Cup Plant Process Electric Panel
- Dona Patta Electric Panel
- Hydraulic Press Paper Dish Electric Panel

## ➔ THERMIC FLUID BOILER ELECTRIC PANEL

## ➔ STEAM BOILER ELECTRIC PANEL.

## ❖ ALL TYPE OF ALUMINUM PROFILE PLANT ELECTRIC PANEL & INSTALLATION.



# PLC Logic Panel

Our PLC Panels are Manufactures stands for programmable Logic controller panels and are widely used in Industrial Automation. We make use of High quality raw material such as stainless Steel and mild sheet steel in making these products; it is Tested on various parameters before sending it at clients end. It used for all kind of industries like auto mobile engineering.

- Water treatment plant, effluent treatment plants, paper &
- Printing industries, chemical and process plants.
- Some of the area of the application of our product include :
- Processing units Machine automation Factory automation
- Site supervising Pumping application it also communicates
- With various instruments like temperature indicating controllers,
- Pressure indication controllers, Sensors etc..



# FEATURES

## Construction Feature

- Modular / Non - compartmentalized construction
- Panel Structure with MS CRCA/SS 304/SS316.
- Single Front/ Double Front Operated.
- Provision for Extensible from both sides
- Provision of Rubber gaskets to meet IP 42/52/54/55/65.
- Arrangement for Heat dissipation by means of Exhaust Fan / Lowers.

## Pre Treatment and Painting

- Seven tank pre treatment process includes degreasing, derusting phosphating and Passivation.
- Final Paint Shade as per IS or client specification.
- Synthetic Enamel / Epoxy based primer / Powder coating as per customer's requirement.

## Bus bar Arrangements and Cable Alleys

- Segregated Aluminum / Copper , Electrical grade Bus bars
- Main Bus bar Chamber at the top or bottom.
- Separate chamber for vertical droppers.
- Bus bar system design on basis of continuous current rating and fault-with stand capacity considering.
- Allowable temperature rise as per IS 8623 or as per specifications.
- Bus bar supports of SMC/DMC material.
- Simple dimensioned Vertical Cable Alley for easy terminations.
- Cable entry from top or bottom. Detachable gland plate are provided for cable entry.

## Assembly and Wiring

- Selection of components from approved / Reputed vendor list & as per approved drawings.
- Design of internal layouts from optimum usage of space.
- Internal wiring with 660 / 1100 V Grade PVC coated stranded copper flexible wires.
- Crimping Lugs are used for internal connection / Terminations.

## Identifications

- Identification labels provided on each components.
- Internal wiring with ferrules at the both ends.
- Aluminum Anodize Labels are provided on each Feeder with Rating, Description & Tag No.
- Identification Labels are provided on Bus bar Chamber, Cable Alley, Live Bus bar etc.
- We use latest technology of label printing machines for labeling Work.

## Quality Assurance & Control System

- Inspection of Fabrication structure for dimensions as per approved G.A. Drawing.
- Inspection of painting / Powder Coating.
- Routine Test are conducted on each panels like :
  1. Insulation Resistance Test with 1000 v DC Megger.
  2. H.V. Test with 2.5 KV/Min Between Phases,Phase - Neutral, Ph - Earth, N - Earth.
  3. High & Low Voltage Tubing Test.
  4. Function Test.

# INFRASTRUCTURE

**Our Workshop is in The Highly Developed Industrial Area.**

**The Manufacturing premises is fully designed to face any natural climate.**

**It is having heavy ray protected strong trimix R.C.C. flooring.**

**The resurfing in better and proper care have full equipped fabrication panel and QC Shop.**

**Our Design department with Professional cad system.**

**Automation Department fully spares stores.**



# SHREEJI

## ELECTRIC

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