



## PRODUCTS & SERVICES BROCHURE

# ENGINEERED FOR SAFETY. BUILT FOR PERFORMANCE.

LT, HT, automation, renewable-energy and custom electrical control panel solutions.

### CHOUDHARY ENGINEERING AND FABRICATION

Jaipur, Rajasthan | GSTIN 08AHKPC1657L2Z4

Technical enquiries: +91 94145 92955

## ABOUT US

# One roof. Complete panel capability.

From fabrication and powder coating to wiring, testing and inspection, our Jaipur facility supports the complete panel manufacturing cycle.

**2009**

Engineering legacy

**44**

Panel solutions

**5**

Solution families

**3**

Direct contact lines

## What we deliver

- Application review and load-schedule study
- Electrical and mechanical design support
- CRCA enclosure fabrication and powder coating
- Busbar, switchgear, wiring and assembly
- Protection, interlock and functional testing
- Custom indoor/outdoor and IP-rated construction

**REGISTERED OFFICE****Choudhary Engineering  
and Fabrication**

B-27, 6D, Engineers Colony

Manyawas, Sanganer

Jaipur, Rajasthan - 302020

GSTIN: 08AHKPC1657L2Z4

State code: 08

anishsamota8453@gmail.com

SOLUTION FAMILY 01

# LT Panels

Power distribution, motor control, compensation, changeover and field distribution solutions.



**PCC PANEL**  
**Main PCC**

Materials: CRCA Sheet Steel, Copper Busbar, ACB, MCCB

Indoor/Outdoor, Floor Mounted, IP42-IP54



**PCC PANEL**  
**Sectional PCC**

Materials: CRCA Steel, Copper/Aluminium Busbar, MCCB

Indoor, Floor Mounted, IP42



**MCC PANEL**  
**DOL Starter MCC**

Materials: CRCA Steel, Copper Busbar, Contactors, Relays

Indoor, Floor Mounted



**MCC PANEL**  
**Star-Delta Starter MCC**

Materials: CRCA Steel, Copper Busbar, Timers, Contactors

Indoor, Floor Mounted



**MCC PANEL**  
**VFD Based MCC**

Materials: CRCA Steel, Copper Busbar, VFD Modules

Indoor, Floor Mounted



**APFC PANEL**  
**Fixed Capacitor APFC**

Materials: CRCA Steel, Copper Busbar, Capacitor Banks

Indoor, Wall/Floor Mounted

SOLUTION FAMILY 01

# LT Panels - continued

Power distribution, motor control, compensation, changeover and field distribution solutions.



**APFC PANEL**

**Thyristor-Based APFC**

Materials: CRCA Steel, Copper Busbar, Thyristor Modules, Capacitors

Indoor, Floor Mounted



**LDB**

**Single Phase LDB**

Materials: CRCA Steel, MCBs, Copper Busbar

Wall Mounted, Indoor



**LDB**

**Three Phase LDB**

Materials: CRCA Steel, MCCBs, Copper/Aluminium Busbar

Wall/Floor Mounted, Indoor



**PDB**

**Indoor PDB**

Materials: CRCA Steel, MCCBs, Busbars

Indoor, Floor Mounted



**PDB**

**Outdoor PDB**

Materials: CRCA Steel (Powder Coated), MCCBs, Busbars

Outdoor, IP54-IP65



**MCCB DISTRIBUTION PANEL**

**MCCB Panel**

Materials: CRCA Steel, MCCBs, Copper/Aluminium Busbar

Indoor/Outdoor, Wall/Floor Mounted

SOLUTION FAMILY 01

# LT Panels - continued

Power distribution, motor control, compensation, changeover and field distribution solutions.



DB (DISTRIBUTION BOARD)

### MCB DB

Materials: CRCA Steel, MCBs

Wall Mounted, Indoor



DB (DISTRIBUTION BOARD)

### MCCB DB

Materials: CRCA Steel, MCCBs, Busbar

Indoor/Outdoor



CHANGEOVER PANEL

### Manual Changeover

Materials: CRCA Steel, Copper Busbar, Switchgear

Indoor, Wall/Floor Mounted



CHANGEOVER PANEL

### Automatic (ATS)

Materials: CRCA Steel, Copper Busbar, Contactors, Controller

Indoor/Outdoor, Floor Mounted



FEEDER PILLAR

### Street Light Feeder

Materials: CRCA Steel, Aluminium/Copper Busbar, MCBs

Outdoor, IP54-IP65, Pole Mounted



FEEDER PILLAR

### Utility Feeder Pillar

Materials: CRCA Steel, MCCBs, Copper Busbar

Outdoor, Floor Mounted

## SOLUTION FAMILY 02

# HT Panels

Medium-voltage switching and compact distribution for substations and ring networks.

**VCB PANEL****Indoor VCB**

Materials: CRCA Steel, Copper Busbar, VCB Modules

**Indoor, Floor Mounted**

**VCB PANEL****Outdoor VCB**

Materials: CRCA Steel (Weatherproof), Copper Busbar

**Outdoor, IP54**

**SF6 PANEL****GIS**

Materials: Aluminium/Copper Busbar, SF6 Insulators

**Indoor, Floor Mounted**

**RMU****2-Way RMU**

Materials: CRCA Steel, SF6 Switches, Copper Busbar

**Outdoor, Compact, IP54**

**RMU****3-Way RMU**

Materials: CRCA Steel, SF6 Switches, Copper Busbar

**Outdoor, Compact, IP54**

## SOLUTION FAMILY 03

# Specialized

Generator automation, synchronizing, drives, soft starters, PLC/HMI and UPS control.



## AMF PANEL

## Single DG AMF

Materials: CRCA Steel, Relays, MCCBs, Copper Busbar

Indoor/Outdoor, Floor Mounted



## AMF PANEL

## Multiple DG AMF

Materials: CRCA Steel, Copper Busbar, Controllers

Indoor, Floor Mounted



## SYNCHRONIZING PANEL

## Manual Synchronizing

Materials: CRCA Steel, Copper Busbar, Relays

Indoor, Floor Mounted



## SYNCHRONIZING PANEL

## Auto Synchronizing

Materials: CRCA Steel, Controllers, Copper Busbar

Indoor, Floor Mounted



## VFD PANEL

## Single Drive Panel

Materials: CRCA Steel, VFD, Copper Busbar

Indoor, Wall/Floor Mounted



## VFD PANEL

## Multi-Drive Panel

Materials: CRCA Steel, VFDs, Copper Busbar

Indoor, Floor Mounted

## SOLUTION FAMILY 03

# Specialized - continued

Generator automation, synchronizing, drives, soft starters, PLC/HMI and UPS control.



## SOFT STARTER PANEL

## Analog Soft Starter

Materials: CRCA Steel, Copper Busbar, Soft Starter

Indoor, Floor Mounted



## SOFT STARTER PANEL

## Digital Soft Starter

Materials: CRCA Steel, Copper Busbar, Digital Soft Starter

Indoor, Floor Mounted



## SCADA/AUTOMATION

## PLC Panel

Materials: CRCA Steel, PLCs, Copper Busbar, Relays

Indoor, Floor Mounted



## SCADA/AUTOMATION

## HMI Panel

Materials: CRCA Steel, HMI, PLC, Busbar

Indoor, Wall/Floor Mounted



## UPS PANEL

## Single UPS Panel

Materials: CRCA Steel, Copper Busbar, UPS Modules

Indoor, Floor Mounted



## UPS PANEL

## Dual UPS Panel

Materials: CRCA Steel, Copper Busbar, UPS Controllers

Indoor, Floor Mounted

## SOLUTION FAMILY 04

# Renewable

Solar conversion and battery-management panels for grid, off-grid and hybrid systems.

**SOLAR CONTROL****On-Grid Solar Panel**

Materials: CRCA Steel, Copper Busbar, Solar Inverter

Indoor, Wall/Floor Mounted

**SOLAR CONTROL****Off-Grid Solar Panel****SOLAR CONTROL****Off-Grid Solar Panel**

Materials: CRCA Steel, Copper Busbar, Batteries, Inverter

Indoor/Outdoor

Materials: CRCA Steel, Copper Busbar, Hybrid Inverter

Indoor/Outdoor

Materials: CRCA Steel, Lithium BMS Modules

Indoor

**BATTERY MANAGEMENT****Hybrid Solar Panel**

Materials: CRCA Steel, Copper Busbar, Hybrid Inverter

Indoor/Outdoor

**BATTERY MANAGEMENT****Lead-Acid BMS**

Materials: CRCA Steel, BMS, Relays

Indoor

## SOLUTION FAMILY 05

# Others

Capacitor-bank and generator-control solutions configured to project requirements.

**CAPACITOR PANEL****Fixed Capacitor**

Materials: CRCA Steel, Copper Busbar, Capacitors

Indoor, Floor Mounted

**CAPACITOR PANEL****Automatic Capacitor**

Materials: CRCA Steel, Relays, Copper Busbar, Capacitors

Indoor, Floor Mounted

**DG CONTROL PANEL****Manual DG**

Materials: CRCA Steel, MCCB, Busbar

Indoor/Outdoor, Floor Mounted

**DG CONTROL PANEL****Automatic DG**

Materials: CRCA Steel, Controllers, Busbar

Indoor/Outdoor, Floor Mounted

## BEYOND MANUFACTURING

# Services across the panel lifecycle

We support the practical steps required to turn a load requirement into a safe, serviceable and documented electrical panel.

## 01 Requirement study

Load schedule, source philosophy, installation conditions and operational needs.

## 02 Engineering

Typical SLD, component selection, protection philosophy and panel layout.

## 03 Manufacturing

Enclosure, busbar, device mounting, wiring, ferruling and finishing.

## 04 Quality checks

Visual, continuity, insulation, functional, interlock and indication checks.

## 05 Delivery support

Documentation, installation guidance and commissioning coordination.

## 06 After-sales

Modification, troubleshooting and maintenance support by agreement.



**START YOUR TECHNICAL ENQUIRY**

# Tell us what the load needs. We will engineer the panel.

Please share the load schedule, voltage, fault level, installation environment, preferred components and delivery requirement.

**CALL**

**+91 94145 92955 | +91 77378 20965 | +91 98284 85754**

**EMAIL**

**anishsamota8453@gmail.com**

**VISIT**

**B-27, 6D, Engineers Colony, Manyawas, Sanganer, Jaipur - 302020**

**GSTIN**

**08AHKPC1657L2Z4 | Rajasthan state code 08**