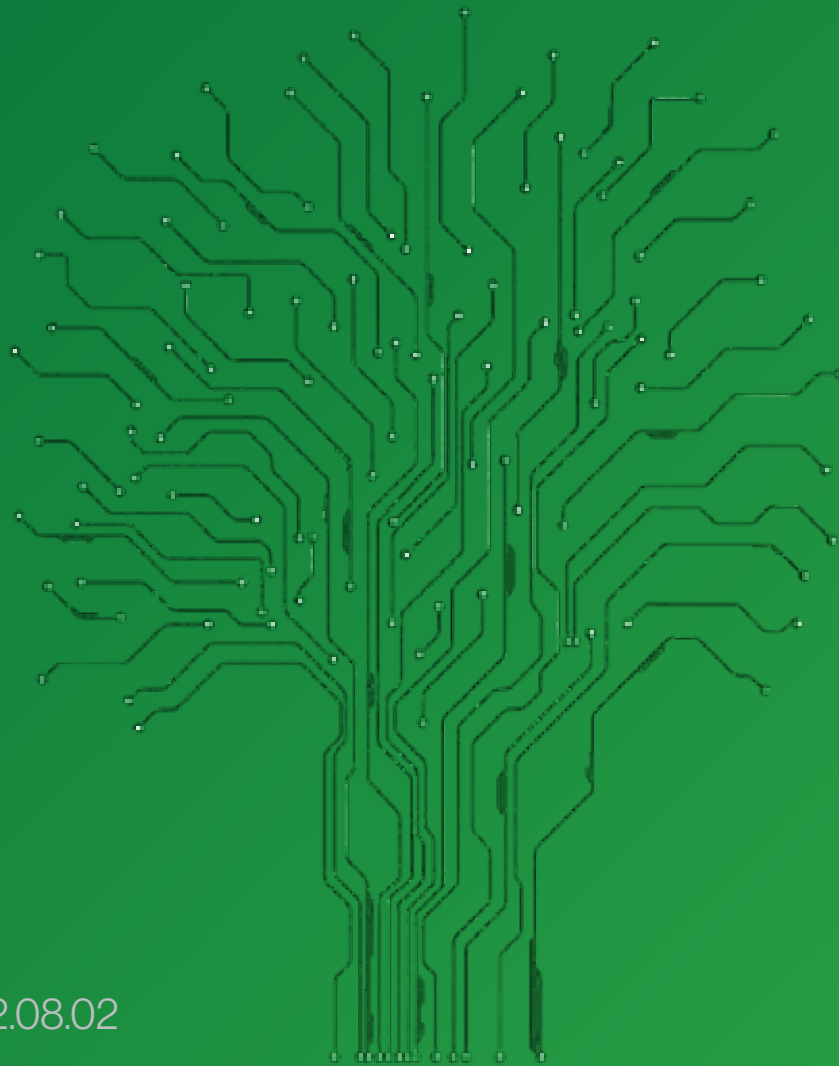




RATHI

2022



EDITION: I
CREATED ON 22.08.02

CATALOGUE OF ELECTRICAL PANELS

Annapurna Manufacturing Pvt. Ltd.

ABOUT US

Moving on deep knowledge and industrial experience, we are offering a very effective solution for electrical engineering. The services are offered by our proficient professionals by using our progressive technology and tools. Annapurna Manufacturing Pvt. Ltd. manufactures high-quality control panels for a wide variety AMF applications. Our domain expertise has enabled us to come up with excellent collection of nearly all types of industrial panel. Choose from PLC panels, Motor control center panels, APFC Panels, Power control center panels, Variable Frequency Drive [VFD] Panels, Junction Boxes and power distribution boxes & lighting panels. Our panel enclosures are manufactured using superior-grade raw-material procured from some of the well-known and reliable vendors of the industry, so we do can supply stainless steel panels, Metals steel panels and Flame proof panels and Weather proof panels. Our products are fabricated under the guidance of experienced professionals to ensure production of defect-free & superior quality range.

CONTROL PANEL



- ✓ Complete design and assembly capability
- ✓ Independent QC Department
- ✓ Site commissioning team
- ✓ Schematic & Outline Drawing
- ✓ Completely prewired, for easy installation
- ✓ CNC Construction
- ✓ Safe and reliable operation
- ✓ Certified panels from IP42 to IP65
- ✓ Labelled and colour coded wiring
- ✓ 2D CAD (Auto CAD)



- ✓ We engaged in supplying and manufacturing a wide range of Control Panel.
- ✓ These panels are made using quality raw materials as these high performing control panels are used widely over in many industrial and other applications.
- ✓ The flawless design and superior framing of these panels have made it the first choice of the customers.

PCC [POWER CONTROL CENTER] PANELS



Owing to our expertise in this domain, we are engaged in offering a supreme quality PCC Panel that is used to supervise and control the voltage of power systems. Power Control Center Panels for various industrial applications to provide reliable and effective distribution service. They are used to supervise and control the voltage and reactive power of the power system.

The panels will undergo pretreatment for decreasing, water rinsing & de-dusting/phosphating, it will be painted with Powder Coated or Synthetic enamel as per the requirements. Bus Bars/ Internal wiring cross section and supported by SMC/DMC bases. Earthing Bus Bars will be running all along the Panel. Some of the applications of PCCs are dairy, Plastic Industry, Refrigeration plants.

MCC [MOTOR CONTROL CENTER] PANELS

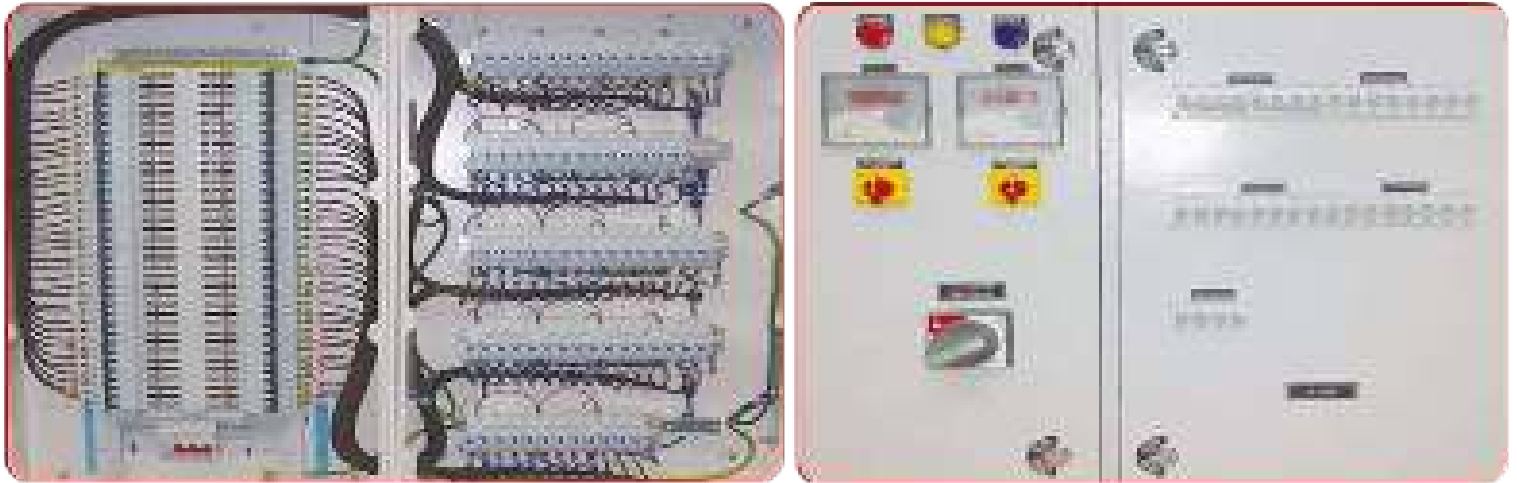
- ✓ CNC Construction
- ✓ Safe and reliable operation
- ✓ Certified panels from IP42 to IP65
- ✓ Labelled and colour coded wiring
- ✓ 2D- CAD (AutoCAD)
- ✓ Easy Operation
- ✓ Controlling heavy starting currents.



We design & manufacture low voltage switchgear panels & motor center. Our in-house design & good engineering practices in manufacturing combined together forms the ideal solution to the most demanding motor control applications throughout the industrial market.

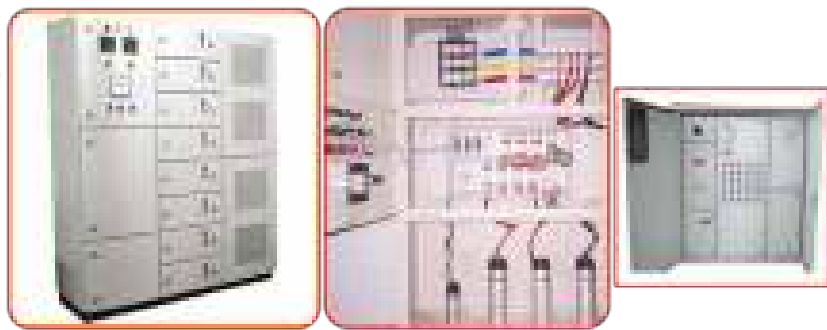
A motor controller is a device or group of devices that serves to govern in some predetermined manner the performance of an electric motor. A motor controller might include a manual or automatic means for starting and stopping the motor, selecting forward or reverse rotation, selecting and regulating the speed, regulating or limiting the torque, and protecting against overloads and faults. Every electric motor has a controller. The motor controller will have a differing features and complexity depending on the task that the motor will be performing on.

LIGHTING PANELS



It allow the most cost effective ratings for the particular application. Two and three-pole breakers may be fitted with a range of internal accessories [shunt trip, undervoltage release, auxiliary switch, bell alarm]. When fitted to the three-pole mounting base, the TEY family circuit breakers can be used in unit mount/lug-lug type installations.

APFC PANELS



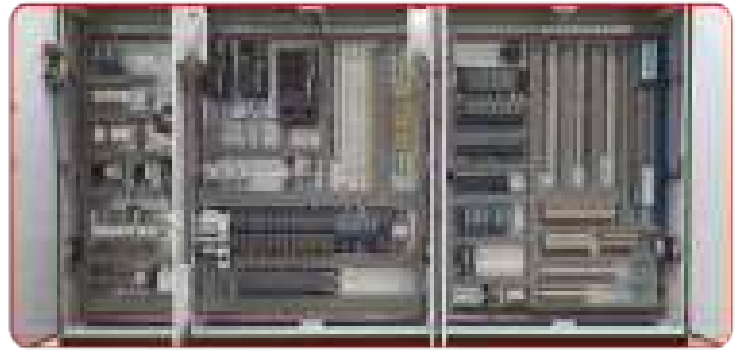
- ✓ Modular to upgrade
- ✓ Capacitor: **Schneider**
- ✓ PF Controllers: **Schneider**
- ✓ Thyristorised or Contractor based
- ✓ Designed with the concept of modularity.
- ✓ Easiness in operation, very low manual intervention.
- ✓ Avoid power factor penalty.

Designed with the concept of modularity which upgrading of kVAR rating as and when required. Advanced micro-processor based relay used to ensure real time power factor correction in the installation. Current limiting contractors are used which are specially designed for capacitor switch.

They are used to supervise and control the voltage and reactive power of the power system. We manufacture and supply a qualitative range of APFC panels, that are extensively used in various industries. These automatic power factor control panel [APCC] are designed and developed using advanced techniques and are capable of saving maximum power and energy. These APFC Panel are highly efficient and accurately monitor the reactive power in power systems for saving energy and can alter the system as well as current.

PLC PANELS

- ✓ MS Panels
- ✓ Integrated with PLC, HMI, Barriers, VFD, etc.
- ✓ HMI's with screen size 3.5" to 22"
- ✓ PLC's from Schneider
- ✓ Desk type/ Floor standing/ Wall mount
- ✓ Customised as per requirement



We are a reckoned organisation engaged in manufacturing and supplying a comprehensive range of PLC Panels. These panels are highly appreciated for their longer functional life, easy installation and low maintenance. Our professionals make optimum utilization of the resources and develop excellent quality range of panels for the clients. Our professionals make sure to deliver effective range of panels at nominal prices to the clients.

VFD [VARIABLE FREQUENCY DRIVE] PANELS

- ✓ AHU / Chiller Control
- ✓ Pump/ Motor / Blower Speed Control
- ✓ Reactor Control
- ✓ Conveyor / Crane system
- ✓ Remote / Local / Bypass Control Options
- ✓ 1-400 HP [0.7457 KW - 298.28 KW] Drive panel
- ✓ **Schneider**



VFD Panels are designed to control the speed and torque of electric motors by varying input frequency and voltage to motors. VFD Panels are used as energy cost savings are especially pronounced in variable torque centrifugal fan and pump applications where there is larger power reduction for a relatively small reduction in speed.

We design and manufacture a diverse range of VFD Panels for varied applications [closed-loop and open-loop applications].

Junction Boxes & PDBs





MS with gasketed trims

Top / Bottom / Side cable entry

Aluminium / Copper Bus Option

Leveraging on our statue-of-infrastructure, we are able to present Junction Boxes. These products are accessible for the customers in distinctive sizes and measurements, with a mean to suit their varied demands. Offered products are easy to install and maintenance free that increase their demand in the market. In order to meet varied demands of our customers, we are offering quality assured Power Distribution Boxes. These products are profoundly acknowledged in electric wiring in household and business places. These distribution boxes are made up of quality assured parts and sophisticated technology. Our expert's team designed these distribution boxes by utilising their skills and years of experience.

BUS DUCTS

The ducts offered by us are widely used in automobile industry for varied purposes. Our items can be availed at reasonable rates in different grades and dimensions that suits best with the demands and requirements of our valued clients. We use high grade raw material for the manufacturing of these items that makes them durable.



CABLE TRAYS

Our range of products include mild steel cable tray and galvanized iron cable tray

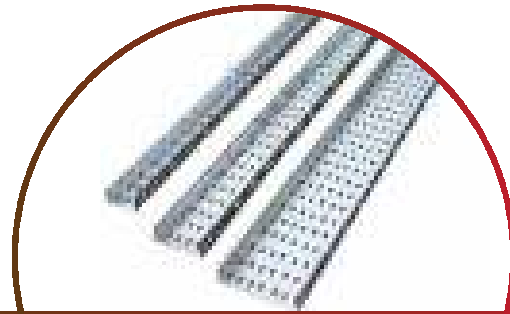
Mild Steel Cable Tray

Offered Mild Steel cable trays are fabricated according to set quality norms and parameters and accessible in different planes and sizes to meet the requirement of the customers.

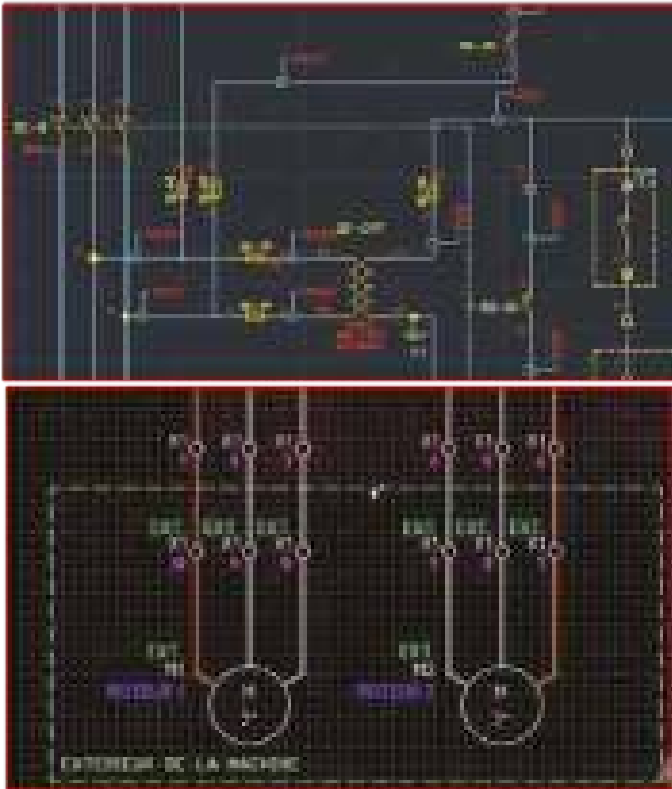


Galvanized Iron Cable Tray

We are generally acknowledged and requested by our regarded customers due to long service life and defect free nature of these products.



ELECTRICAL DESIGN & DEVELOPMENT

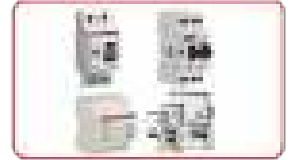
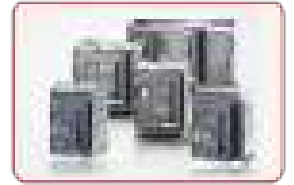


- ✓ Understanding customer standards and requirements
- ✓ Design & Development of electrical layouts
- ✓ Creation of SLD
- ✓ Electrical Engineering
- ✓ Electrical design and implementation of LV
- ✓ Panel design and construction
- ✓ Supply, commissioning, Operation & Maintenance of control panels

With the increasing complexity of electronic devices, computers have become imperative in electrical design, so we are designing electrical layouts by using AutoCAD.

ELECTRICAL ACCESSORIES

- ✓ Cable Trays
- ✓ Cables
- ✓ Street Light
- ✓ Earth Strips
- ✓ Earth Pit Material
- ✓ Switch Gear
- ✓ Lighting Access
- ✓ DB's & JB's
- ✓ Panel Boards
- ✓ Power Cables



WE DEAL IN



Crompton



EURO



RATHI

Schneider
Electric

Annapurna Manufacturing Pvt. Ltd.

Kathmandu, Bhote Bahal, Pipal Chowk
+977 980-1064664, +977 985-1133447

www.rathielectricals.com