



Performance
Inspires
Trust !

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Urjayant
ENGINEERING PVT. LTD.



PROFILE

Ever since our inception, we have been engaged in providing fabrication services for power control equipment that is fabricated as per the drawings provided by our clients. These are widely catering to the requirements of electronic and electrical industry. Our range remains in compliance with international standards to ensure maximum satisfaction of our clients.

We offer fabrication services for power control center, drive control panel, distribution panel, fabricated panel, panel housing, control desk fabrication, bus duct chamber, Control Wiring Panel, industrial fabrication services, fabrication works, control equipment fabrication.

We are backed by latest machines and equipment to fabricate our range as per the exact requirements of our clients. Our facilities also have in-house design that comprises latest CAD/CAM software's that helps us in customizing our range as per the requirements of our clients. Our team of experts holds expertise in customizing the range of power control equipment keeping in mind budget of our clients and time constraints.

Under the aegis of our Chairman Mr. Prashant Sangai, we have been able to establish a respectable position in the market. His experience has helped us to provide competent services for fabricating flawless range of power control equipment and hence garnering maximum satisfaction of our clients.



INFRASTRUCTURE

Being a quality driven organization, we make sure that quality is imbibed in every aspect of our business proceeding. So right from designing to packaging of our power control equipment, our quality analyst strives to maintain quality at every stage. With a futuristic approach and vision to excel in the domain, we have set up a benchmark in providing services for fabricating power control equipment as per the requirements of clients.

Our teams of quality inspectors have excellent knowledge and rich expertise in their field and they ensure that our business operations are carried out with precision. We follow stringent quality tests are based on following parameters:

- Durability
- Sturdiness
- Strength
- Resistance to corrosion
- Load bearing capacity
- Safety operations
- Performance
- Ability to withstand thermal & mechanical stress

OUR TEAM

We have dedicated and experienced team of professionals & engineers, who assure us in bringing out a precision designed range of power control equipment which stand high on performance levels. They keep themselves abreast with the latest information which helps them to provide services for fabricating quality range of power control equipment.

Our team comprises of:

- Marketing Team.
- Costing and Data Analyzers.
- Design / Fabrication Engineers.
- Production engineers
- Technicians
- Quality Assurance Team.
- Management / Administrative Professionals.

Our personnel work in close proximity with each other to bring out the best result in our equipment and services. Backed by their expertise and knowledge, we have been able to build excellent affinity with our clients. The primary concern of our professionals is to enhance the quality of our range of products and thereby maximize client satisfaction.

CERTIFICATIONS

TYPE TEST CERTIFICATIONS



FOLLOWING TYPE TEST ARE CONDUCTED AT CPRI, BHOPAL.

SHORT CIRCUIT TEST – 70 KA.
TEMPRATURE RISE TEST – 3200A.
IP 33, IP 42,
IP 54, IP 55



ACHIEVEMENTS

BEST MANUFACTURING PROCESSOR.



QUALITY ASSURANCE

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BEST INFRASTRUCTURE ENHASEMENT.



We make every possible effort to ensure that probability of any manufacturing defect is annulled rather then detecting problems at later stages. This helps us in making optimum use of our resources and raw material along with saving enormous time.



Power Control Centers (PCC)

- Bus Bar Rating Upto 4000A.
- Modular Construction.
- IP Construction to suit operating condition.
- Manufactured using high grade raw material .
- Seven Tank Powder Coated Process / sturdy and corrosion resistant
- Monitoring of Various Electrical Parameters.
- Short Circuit Level upto 70KA.



Motor Control Centers (MCC)

- Single or double front.
- Compartmental or non compartmental With extendable design.
- Type 2 co-ordinated chart selection.
- Easy bus bar maintenance.
- Energy Monitoring.
- PLC Control



Power Distribution Panel (PDB)

- Modular Design.
- Rear Access or Front Access available.
- Cable entry Top / Bottom.
- Easy Maintenance.
- Additional Feeder can be extendable at site.



Automatic Power Factor Correction System (APFC)

- Compartmental or non compartmental Design.
- Thyristor or Contactor Switching.
- Reactors for Harmonic control.
- Microprocessor base 3 phase sensing controller.
- Auto / Manual selection for Capacitor Bank.



Drive & PLC Panels

- Designed and manufactured as per the international standards to meet customer requirement.
- Trouble Free Solution.
- Easy Maintenance
- High Efficiency

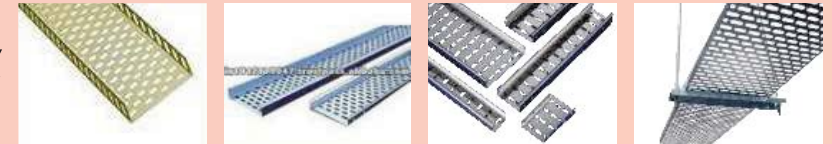


Automatic Mains Failure Panel (AMF Panel)

- Auto as well as manual selection
- Generator technicians provide safety sensors according to their generator's standard
- Control wires provided
- Gen-set stop with delay of 3 minutes
- Hooter-alarm annunciation for fail to start
- Checklist to find fault and correct it
- Auto delay in start of gen-set
- Emergency stop switch
- 4 switch control to start & stop the gen-set
- Manually start & stop the switch
- Auto LLOP (Low Lube Oil Pressure) and (High Water Temperature) protection available



Feeder Pillar, Junction Box, Cable trays.



LTDB

- Ratings Available : 25/40/63/100/200 KVA.
- Fabricated KIT KAT Type Design.
- CPRI Type Tested.
- MSSEDCL Approved.

ELECTRONIC MOTOR STARTER (Direct On Line)

PROTECTIONS

- Single Phasing
- Reverse Phasing
- Voltage Imbalance
- Over Load
- Dry Run
- Low Voltage

INDICATIONS

- Healthy
- Motor ON
- Dry Run Fault
- O / L Fault
- Low Voltage

SPECIFICATION

- System Voltage : 415V, 3 Phase, 50 Hz,
- Current Range : 1-12A

FEATURES

- Electronic pushbuttons and fault indicating panel.
- Inbuilt current sensing single phasing protects motor against single phasing.
- Electronic Overload Protection calibrated with high accuracy and with inverse time current characteristics.
- Unbalance current ckt. provides protection against unbalance supply voltage.
- Current Setting Knob provided.
- Auto / Manual Switch provided.
- START, STOP/RESET pushbutton.



PACKAGED SUB STATION (PSS)

APPLICATIONS

Designed to suit for power distribution in urban areas where space availability is at a premium, safety is a necessity, vandalism likely, aesthetics advantageous and reliability of vital significance. The ideal places are commercial complexes, residential complexes, shopping malls, hospitals etc. The application can also be extended to the industries.

ADVANTAGES

1. Compact in construction, occupies less floor area.
2. Easy to operate and maintain.
3. Enhanced safety and flexibility.
4. Enclosure is divided into three segregated compartment i.e HV, Transformer and LV.
5. Aesthetic appeal and Cost effectiveness.
6. Short lead-time for installation and reduction in operational costs.



FEATURES

- Wide modular product range and conformance to IEC requirements.
- 11 KV substations designed for easy installation and maintenance.
- Suitable for outdoor application as per IP standards.
- Optional Provision for draining of accidental oil spillage.
- Shutter doors designed for padlocks and can also be fitted with a cylinder lock. Doors closed with two-point device securing door to the top and bottom frames.
- Specially designed ventilation opening facilitates air circulation for enhanced cooling.
- Designed for installation at ground level. Provided with foundation if installation below ground level.
- Ventilation achieved by means of natural air circulation and also forced cooling used if so required.

APPLICATIONS

Bus bars are used in any electrical power distribution system as a conductor of electricity within the switch board, panel or other electrical devices. The bus bars are strips made out of copper or aluminum metal. Bus bar enclosed in metal housing is a bus duct chamber which is fabricated using premium quality metal to withstand any climatic conditions. The enclosures are fitted using removable bolts. We offer a wide range of Bus Duct Chamber as per the drawing and specification provided by our clients. These are available in standardized as well as customized designs to meet the diverse requirements of our clients. These can also be

altered to meet the specific requirements of our clients and hence ensuring their maximum satisfaction. Some of the salient features of our bus duct chamber fabrication are:

- Fabricated using rust protected steel sheet, these are suitable for mounting switch and distribution gear.
- Aluminium or Copper for Bus Bar.
- Ensures efficiency and performance
- Available at affordable prices which makes them economical
- Ensures safe operation for power supply at distant places.

- Lighting Panels.
- Distribution Boards.
- Change Over Panels.
- HVAC Panels.
- Soft Starter.
- Marshalling / Junction Boxes.



OTHERS

FABRICATION

Control Panel Fabrication :

Control panel fabrication involves fabricating a control panel both mechanical and electrical according to the drawings and designs given by client on the parameters of performance specification. Such kind of control panel fabrication is required in small to large industrial units involved in OEM, Electrical, Steel, Chemical, food processing and automation industry. A typical control panel fabrication process comprise of fabrication, staging and testing. We manufacture a quality imbibed range of Control Panel Fabrication as per the specifications and drawing provided by our customers. These are widely appreciated by our clients for its features such as durability and are robust to

endure thermal and mechanical stress to ensure enhanced working efficiency. We ensure that our range of Control Panel Fabrication meet quality norms of international standards and provide our clients with maximum satisfaction. Some of the striking features of our control panel fabrication are:

- Fabrication done with precise engineering and using advanced technology / Software / Machineries.
- Available in required dimensions and mechanical plus electrical specifications
- Available at competitive rates in the market.



Control Panel Fabrication :

Tailor made fabrication involves fabrication as per the specifications given by clients to include components. Equipments and machines used in various industries. Tailor made fabrication involves manufacturing of structures out of steel or metal sheet. Metal sheets are fabricated, bended and fixed using bolts and other adhesives. Different types of metals like steel, aluminium used for such kind of fabrication.

We hold expertise in designing and manufacturing tailor made fabrications that match custom requirements of various small to large scale industries. Our adept technicians with the help of engineers deliver tailor-made products in

conformation with the designs made available by the clients. Features of our tailor made fabrication are:

- Fabricated to match international industrial standards
- Fabricated out of corrosion free materials that makes the structure sturdy to withstand different climatic conditions
- Available at competitive rates. Our adept technicians with the help of engineers deliver tailor-made products in conformation with the designs made available by the clients.

TAILOR MADE FABRICATION