



ELE+MECH ENGINEERING SOLUTION



Ele+mech Group of Companies :

JVR Power Tech

U & V Enterprise

System integrator
of

**Schneider
Electric**



Central Power
Research
Institute

**CPRI
APPROVED**

www.elemecheng.in

ele+mech™



The Company

We are an **ISO 9001 : 2008** and **CPRI**, certified Company in the field of design, manufacturing and supply of LT, HT POWER CONTROL CENTER, PDB PANELS, MCC PANELS, APFC, RTPFC PANELS, LT, HT BUS DUCTS, RELAY CONTROL PANELS all type of Control, Instrumentation Panels, PLC, SCADA, Drives, Soft Starter Panels, AMF & Auto Synchronizing Panels, EMS System etc.

We are also in the field of turnkey Electrification jobs including SITC of Switchyard upto 33 KV. Our professionally managed small scale unit with fully

equipped work shop to meet most stringent quality standards to cater to our client's requirements.

Our Director Mr. Vinod Patel technically qualified and more than 16 years experience in the electrical engineering field. We have established our manufacturing unit at Changodar Industrial area, Ahmedabad having built up area of about 15000 sq.ft. All departments like Engineering, Purchase, Account, Service, Manufacturing, Personnel & Administration are located under one roof only.

In addition, we are '**Authorized System integrator for Schneider electric**'

Our Product's :

- ✓ HT & LT PCC PANELS
- ✓ PDB PANELS
- ✓ AMF PANELS
- ✓ D.G SYNCHRONIZE PANEL
- ✓ HT & LT BUS DUCT
- ✓ APFC PANELS
- ✓ RTPFC PANELS
- ✓ MCC PANELS
- ✓ FEEDER PILLAR PANELS
- ✓ HVAC PANELS
- ✓ DRIVES & PLC PPANELS
- ✓ EMS SYSTEM
- ✓ INSTRUMENT PANELS
- ✓ SCADA & DCS SYSTEM
- ✓ TRUNKY PROJECT
- ✓ ELECTRICAL SYSTEM DESIGN



LT PCC, PDB, SYNCRONIZE PANELS



APPLICATION
CONSTRUCTION
TYPE
RATED CURRENT
SYSTEM VOLTAGE
RATED INSULATION VOLTAGE
AMBIENT TEMPRETURE
DEGREE OF PROTECTION
TYPE TEST PERFORMED AT CPRI

POWER DISTRIBUTION
MODULER & FIXED TYPE
DRAWOUT TYPE / NONDRAW OUT TYPE
UP TO 8000 AMP. 50KA / 65KA / 75KA /100KA
440 VOLT
690 VOLT
50°C
IP54 - IP67
SHORT CIRCUIT WITH STAND 75KA
TEMPERATURE RISE WITHSTAND
DEGREE OF PROTECTION

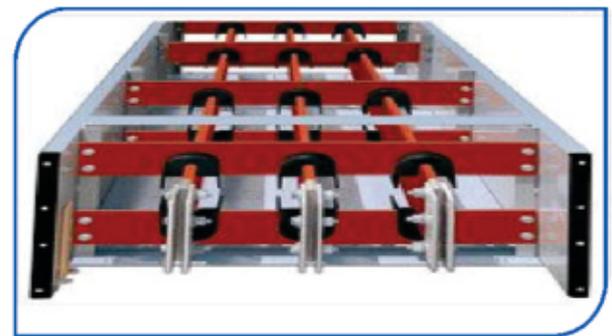
HT PANELS

TYPE
RATED CURRENT
SYSTEM VOLTAGE
RATED INSULATION VOLTAGE
AMBIENT TEMPRETURE
DEGREE OF PROTECTION
TYPE TEST PERFORMED AT CPRI

DRAWOUT TYPE / NONDRAW OUT TYPE
UP TO 8000 AMP. 50KA / 65KA / 75KA /100KA
440 VOLT
690 VOLT
50°C
IP54 - IP67
40 KA



BUSBAR TRUNKING



APPLICATION
TYPE
RATED CURRENT
SYSTEM VOLTAGE
AMBIENT TEMPRETURE
DEGREE OF PROTECTION
TYPE TEST PERFORMED AT CPRI

POWER DISTRIBUTION - MAINLY FOR GENERATORS / TRANSFORMERS
SEGREGATED , NON-SEGREGATED , INTERLEEVED, SANDWITCH TYPE
UP TO 8000 AMP. 65KA - 100KA
30V / 110V / 440V / 3.3KV / 6.6KV/ 11KV
50°C
IP 54/65/67
SHORT CIRCUIT WITH STAND 100 KA
TEMPERATURE RISE WITHSTAND - DEGREE OF PROTECTION

Automation:

- Supporting the latest innovations in industrial automation, we provide services to support the life cycle of your facility's infrastructure.
- Well trained engineers in program development with good experience in different industries. They understand mechanics of machine and logic for automate.
- We providing a better and proper solution for industries.

INDUSTRIAL AUTOMATION :



- ✓ AC Drive
- ✓ Servo Drive
- ✓ Stepper Drive
- ✓ Soft Starter

- ✓ PLC
- ✓ HVAC Controller
- ✓ HMI , I PC
- ✓ SCADA, DCS SYSTEM



OUR EXPERTISE :

Textile Machinery

- Trunkey Project of whole Textile & Spinning Mill Electrical Control Panel and Automation
- Sizing Machine
- Rope Dyeing Machine
- Sheet Dyeing Machine
- Poly beamer
- Speed Frame Machine
- Sectional Warping Machine
- Direct Warping Machine
- Towel Cutting Machine
- Retrofitting of Old machinery
- Speed Frame Machine



Pulp and Paper Mill :

- Trunkey Project of whole Paper Mill
- Electrical Control Panel and Automation
- VFD Panels for sectional drive & silant drive
- Basic Valve
- Pressurised Head Box Controller Panel
- Boiler Automation
- Steam Condensate Systems Control
- PLC and SCADA based Plant Automation
- Rewinder & Slitter Automation
- GSM & Moisture Monitoting & Control
- QCS



Pharmaceutical Plant and Machinery :

- Labeling Machine
- Powder Filling Machine
- Sealing Machine
- Track And Trace Machine
- Tray Collector
- CIP And SIP System
- Reactors
- AHU Control



Steel Plant :

- Rolling Mill Automation
- Pilger Mill
- Bright Annealing Furnace
- Cut To Length Of Metal Sheet
- Radiator forming Machine
- Slitter Machine
- Straightening and Cutting machine
- Flaying Cutter
- Foil mill (Aluminum, Copper)



Plastic Machinery :

- Extruder Machine
- Lamination And Coating Machine
- Printing Machine
- Winder and Un winder



Ceramic Industries :

- Trunkey Project of whole Ceramic Plant Electrical Control Panel and Automation
- Hydraulic Press
- Conveyer Automation
- Temperature Controller
- Data logger
- Ball Mill
- PLC and SCADA based Plant Automation
- EMS Systems



Superlative Quality :

The company endeavors to offer superlative quality products to the customers at very competitive price. We are well equipped with a motivated team comprising of Factory Manager, Engineers, Technicians, Store Keepers, Fitters, Welders, Painters and all equipped machineries and other necessary facilities. We have a competitive edge over others, owing to following features:

- Complete dedication towards work
- Very flexible and professional way of working
- Project completion in a stipulated time frame
- Ability to take quick decisions for proper progress in work
- Prompt after sales services Total customer satisfaction Customization facility
- Sound infrastructure
- Moderate Workshop area

ele+mech Group of Companies :

JVR Power Tech. Changodar, **U & V Enterprise**

U & V ENTERPRISE is one of the leading Govt. approved Electrical Contractors firm in Ahmedabad carrying out all type of electrical erection, installation and commissioning work since 10 years.

- Electrical Contractor Licence No. : G/AHD/C/347
- GST TIN No. 24074301785 DT. 06.06.2009
- CST No. 24574301785 DT. 06.06.2009
- Service Tax No. AKUPP6907FSD001
- P.F. Registration No. GJ/AHD/58259

The following kind of electrical services undertaken by : **M/s. U & V ENTERPRISE.**

- Liasining work with Electricity Supply Authorities and E & P dept.
- Installation, erection and commissioning of power transformers up to 10000 KVA.
- Erection, installation and commissioning of HT,LT Panels like, PCC, PDB, MCC, I.MCC, APFC, DRIVE PANEL ,Relays Panel etc.
- Laying & Termination of Overhead/ Underground cables up to 66 KV
- Installation and commissioning of LT /MV/HT bus ducts
- Installation and commissioning of flameproof lighting and power accessories.
- Installation and erection of various types of Cable trays like GI, MS, and FRP.
- Tower earthing, pipe earthing, copper plate earthing, GI plate earthing with IS specifications
- Installations of 3000 KVA Generators
- Power plug / lighting wiring
- Installation of various type of FLP/Non-FLP light fixtures.
- Installation and erection of Street light work.
- Installations of all kinds of Air Conditioners/Cold Storage.
- Fire alarm and other fire detection systems.

Installation and commissioning of Networking and other communication/instrumentation works like

- EPABX, CCTV, LAN cables.

HT Works :

- 2 Pole/4 Pole structure works
- Up To 66 KV Substation
- Erection and earthing of Transformer / VCB /SF6
- Erection of MV Bus ducts
- UG cable laying as per IS specifications up to 66kv
- End Termination and Straight Joint of HT Cable up to 66kv
- Erection, installation and commissioning of HT, Panels like, PCC, PDB, MCC, I.MCC, APFC, DRIVE PANEL ,Relays Panel etc.

Business Associates



System intergrator
of

Schneider
Electric

Danfoss

SIEMENS



SWITCHGEAR
SAFE & SURE

ABB

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