



COMPLETE DESIGNING , ENGINEERING AND MANUFACTURING  
OF ELECTRICAL PANELS  
(HT/LT & AUTOMATION )



# Prayaas

Automation Pvt. Ltd.



## ABOUT US

We at Prayaas Automation Pvt. Ltd. Are committed to achieve and sustain a reputation as Market leader for providing quality product and service that fulfill customer's need, through active participation at all level by our team and we strive to maintain the quality and enhance continual improvement.

We at present have grown as a Complete Electrical (HT/LT & Automation) Project Engineering Team with Excellent Project Management using advanced Mechanical and Electrical systems.

Our strategy has always rotated around a restless Commitment to provide superior service to maximize Customer satisfaction and at the same time, enhance Business.

### **Our Detailed Scope of Work is as below:**

- Complete Designing , Engineering and Manufacturing of LV Switchboard – Like Power Control Center (PCC) , Air Insulated BUSDUCT (AL/CU), Power Distribution Board , Draw out/Non-Draw out Motor Control Center(MCC) ,Control Desk , Junction Box , Main Lighting Distribution Board ( MLDB ), Auto Power Factor Controller (APFC) etc.
- Supply and Development of Process Automation by Integrated and developed Programmable Logic Controller (PLC) – VVVF Drive, Thyristor Controlled DC Drive, Soft-starter and Different field Instrument etc.
- Electrical and Mechanical Retrofitting / Reconditioning of Machine Tools by CNC /PLC/ Servo- Motor Drive , Balls Screw etc.

- Mid size Electrical Turnkey Projects , in combination of Design , Engineering, Supply , Installation & Testing Commissioning of HT Outdoor / Indoor Switchyard , LT Board – Busduct Installation, Automation and Instrumentation etc.
- Dedicated Team for Annual Maintenance Contract (AMC), After Sale Service for Automation range of Product as well as all our supplied items.
- Retrofitting of OIL Circuit Breaker/ Old Series Breaker by New range of Microprocessor based Air Circuit Breaker (ACB)/ Molded Case Circuit Breaker (MCCB) in same / Extended Compartment on emergency Shutdown period.

**Our Business Associates:**

- Larsen & Toubro Ltd. – As Integrated Solution Provider in Eastern Region.
- GE Industrial Platform – As System Integrator in Eastern Region.

Apart from above, we are also associate with,

- C&S
- GE
- Siemens
- BCH
- Schneider



## INFRASTRUCTURE

a) Total Area:	50400 Sq. Ft.
b) Space for Assembly:	7500 Sq. Ft.
c) Space for Fabrication:	4257 Sq. Ft.
d) Space for Store:	2500 Sq. Ft.
e) Space for Tool Room:	1150 Sq. Ft.
f) Space for Office:	4567 Sq. Ft.

### PROCESSING MACHINERIES:

- 12.5KVA CAPTIVE POWER GENERATOR WITH SELF STARTED BATTERY WITH CHARGER
- 1.5" DIA PILLAR DRILL MACHINE
- POWER SAW MACHINE
- PORTABLE CUT OFF SAW MACHINE
- 6"PEDESTAL GRINDING MACHINE
- 150 MM BUSBAR BENDING MACHINE
- 8 TON BALL PRESS
- 5"ANGLE GRINDING MACHINE
- 16MM HAND DRILLING MACHINE
- 12MM HAND DRILLING MACHINE
- 8MM HAND DRILLING MACHINE
- HAND JIGSAW MACHINE
- HOT BLOWER
- VACUUM CLEANER
- DIGITAL WEIGHING MACHINE

### Machines at Tool Room:

- CNC LATHE MACHINE
- MIKROCUT MILLING MACHINE
- RADIAL DRILL MACHINE
- POWER GRINDING MACHINE
- CAPSTAN LATHE

**List of Testing Equipment:**

- DIGITAL & ANALOG MULTIMETERS
- CLAMP ON TESTER
- CONTINUITY TESTER
- TESTING TROLLEY WITH 2.2KW MOTOR
- 5KV HIGH VOLTAGE TESTER
- 50KV HIGH VOLTAGE TESTER
- 1000V MEGGER DIGITAL & ANALOG
- 200A CURRENT INJECTION SET
- mV DROP TEST UNIT
- VARIABLE CURRENT & VOLTAGE SOURCE
- CATHODE RAY OSCILLOSCOPE
- 6.8 NM SERVO MOTOR AND TACHOMETER
- 15A THREE PHASE VARIAC
- VERNIER CALIPER
- 110VDC RECTIFIER UNIT
- MICROMETER
- MICROMETER HEIGHT GAUGE
- SURFACE PLATE
- FEELER GAUGE SET
- PAINT THICKNESS GAUGE DIGITAL & ANALOG



## LIST OF ITEMS MANUFACTURED BY PRAYAAS

### List of Items Manufactured by Prayaas:

- Power Control Center ( Up to 6300 A ) (PCC)
- Air Insulated Bus-duct (CU/AL) (3Ph. / 6 Ph.) up to 6000 A.
- Power Distribution Board – (PDB)
- Main Lighting Distribution Board (MLDB )
- Lighting Distribution Board (LDB)
- Draw-out / Non-Draw-out Motor Control Center (MCC)
- Control Desk – Instrumentation Panel
- VVVF – AC Drive Panel.
- Programmable Logic Controller Panel
- Thyristor Controlled DC Drive Panel
- Auto Power Factor Controller (APFC) panel
- Mimic Panel
- All kind of Junction Box, Distribution Box etc.
- Lifting Trolley



**PRODUCT QUALITY CERTIFICATION BY CPRI**

- 50 KA SHORT CIRCUIT TEST ON LT PANEL TEST CONDUCTED AT CPRI – BANGALORE – REPORT DATE – 11/04/2001, REPORT NUMBER SC01162A.
  
- PROTECTION CLASS TEST – IP55 ON LT JUNCTION BOX – TEST CONDUCTED AT NATIONAL TEST HOUSE – REPORT DATE – 01/08/2006, REPORT NUMBER NTH(ER)/E/MISC/2006/10A.
  
- PROTECTION CLASS TEST – IP54 ON LT PANEL – TEST CONDUCTED AT CPRI – BANGALORE – REPORT DATE – 03/08/2006, REPORT NUMBER 104EATDIP06S0065.
  
- PROTECTION CLASS TEST – IP4X ON HT12KV, 1250A INDOOR VCB PANEL – TEST CONDUCTED AT CPRI – BANGALORE – REPORT DATE – 29/05/2008, REPORT NUMBER 191EATDIP8S0097.
  
- 75 KV IMPULSE TEST AND 28 KV POWER FREQUENCY TEST – ON HT 12KV, 1250A INDOOR VCB ANEL – TEST CONDUCTED AT CPRI – BANGALORE – REPORT DATE 12/06/2008, REPORT NUMBER 43/1/2008 – HV/5398/PAPL.
  
- 1250A TEMPERATURE RISE TEST AND MILLI VOLT TEST – NO HT 12KV, 1250A INDOOR VCB PANEL – TEST CONDUCTED AT CPRI – BANGALORE – REPORT DATE – 04/10/2008, REPORT NUMBER – DCCD-10353.
  
- 75A SHORT CIRCUIT TEST FOR 1 SEC. – ON LT PANEL – TEST CONDUCTED AT CPRI - BHOPAL – REPORT DATE – 4/10/2008. REPORT NUMBER – 2008/STN-1/404.
  
- 25 KA STC TEST CONDUCTED – CPRI – BANGALORE
  
- 28 KV POWER FREZ. TEST AT CPRI – BANGALORE

- 100 KA SHORT CIRCUIT TEST FOR 1 SEC.
- 6300 A TEMP. RISE TEST.
- 2000A TEMPERATURE RISE TEST ON BUS AND BUSBAR JOINTS. TEST CONDUCTED AT CPRI-BHOPAL REPORT DATE-12.08.2009 REPORT NUMBER—2009/STL/688
- PROTECTION CLASS TEST IP55 ON BUSDUCT TEST CONDUCTED AT CPRI-BHOPAL REPORT DATE-30.10.2009 REPORT NUMBER---2009/STL/931
- PROTECTION CLASS TEST IP55 ON BUSDUCT TEST CONDUCTED AT CPRI-BHOPAL REPORT DATE-22.01.2010 REPORT NUMBER---2009/STL/931
- 2000A TEMPERATURE RISE TEST ON LV BUSDUCT TEST CONDUCTED AT CPRI-BHOPAL REPORT DATE-07.12.2009 REPORT NUMBER—2009/STL/688
- 50 KA SHORTCIRCUIT TEST ON LT PANEL---- TEST CONDUCTED AT CPRI-BHOPAL--- REPORT DATE-01.05.2012 REPORT NUMBER---S



OUR MOST VALUABLE CLIENTS



## List of Valued Customer

- ABB LTD
- The Tata Iron & Steel Co Ltd
- Usha Martin Industries Ltd
- Jindal Steel & Power Ltd
- Jay Balaji Group
- Alstom Ltd
- Hindustan Lever Ltd
- Pepsi India Ltd
- Diamond Beverages Pvt. Ltd.
- Britannia Industries Ltd
- Ordnance Factory, Dum Dum
- Ichhapur Rifle Factory
- GRSE Ltd
- Texmaco India Ltd
- Jessop & Co. Ltd etc.
- Voltas
- IOCL
- NTPC
- SAIL
- Metro Rail – Kolkata



**OUR CONTACT DETAILS**

**Registered Office cum Works :**

**PRAYAAS AUTOMATION PVT. LTD.**  
**MOHAN GHOSH ROAD, PO – NARENDRAPUR**  
**RAMCHANDRAPUR, KOLKATA – 700103**  
**Ph. (033) 2477 3961/ 3964,**  
**Fax: (033) 2477 2022**  
**Email: [info@prayaasgroup.com](mailto:info@prayaasgroup.com)**  
**Website: [www.prayaasgroup.com](http://www.prayaasgroup.com)**

**Important Cell Phone No.:**

**For Sales & Service:**  
**09748421745/09748421743/0948421715/09748421727/09748421733**

**For any Commercial Information:**  
**09748421716/09748421760**

**Complaints & Suggestion:**  
**09748421731**