



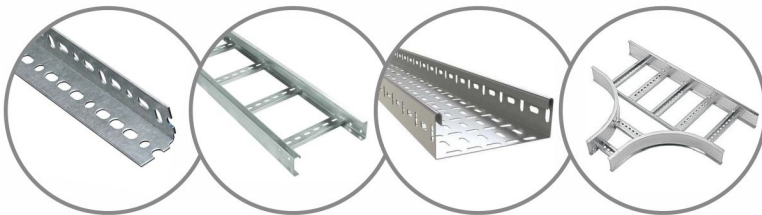
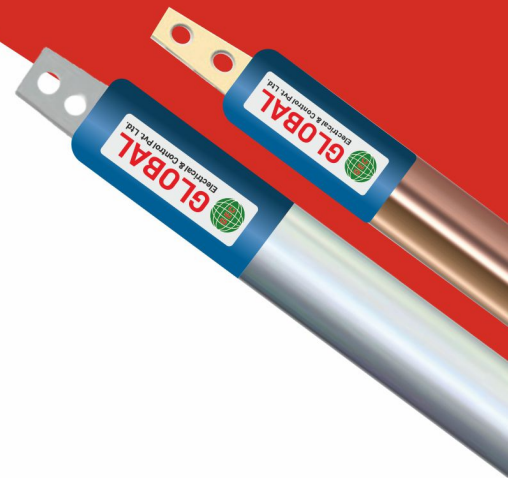
SINCE 2008

# GLOBAL

Electrical & Controls Pvt. Ltd.

AN ISO & CPRI APPROVED COMPANY

Mfg of : LT Panel, A.P.F.C. Panel, A.M.F. Panel, Meter Board Panel  
PLC & VFD Panel, Starter Panel, Cable Tray, Race Way & Bus Duct etc.



INNOVATIVE & Creative  
WORLD OF **POWER**



[www.gecpl.org](http://www.gecpl.org)



# ABOUT US

We "GLOBAL ELECTRICAL & CONTROLS PVT. LTD." are all type of electrical panels manufacturers since 2008. We are one of the best manufacturer in Delhi & NCR from last 15 years. We continuously growing with our best quality & customer satisfaction. We are trying to become top leader in India in case of Panel Manufacturing.

We believe in one key of success which is the form of Team Work, customers satisfaction, innovation & Ethical behaviour. "Mr. Anil Kumar Choudhary and Mr. Pramod Kumar are two Directors of GECPL both are Electrical Engineers and have deep knowledge of electrical field with a long period experience.

"GLOBAL ELECTRICAL & CONTROLS" Has efficient and dedicated engineering services, several industries like Power, Chemicals, Food & Beverages, Dairy Industries, Water Treatment Plants, Sugar & Paper Mill, Civil like Housing or Society, Railways etc., with design, manufacturing, erection, commissioning and installation. The system and services offered by "GLOBAL ELECTRICAL & CONTROLS" are well adapted to hot, dusty and humid conditions and are in accordance with the latest Indian standards, we follow all electrical standards and panel standards. AutoCAD design for quality and accuracy, test standardization for cost optimization during operation and maintenance, these the features which great adopted at "GLOBAL ELECTRICAL & CONTROLS". Our mission is to provide specialized, economical and prompt, value added services to our esteemed and prestigious customers.

The quality format of the Company has been established in compliance with modern day quality assurance in design and installation. We at "GLOBAL ELECTRICAL & CONTROLS" have vast experience and function with the simple motto of "Honesty, Hard Work and Dedication". We are determined to serve the industry with an attempt to innovate for the customers at large. The company follows its tradition of professional values in all engineering practices and is equally at home with the design of power distribution, electrical installation and erection. The work executed is a testimony to its commitment. "GLOBAL ELECTRICAL & CONTROLS" have developed mechanized and modern methods of erection and installation with assistance from well trained and experienced manpower to deliver economical solutions to the clients.

## Vision

- To be the most trusted, respected and preferred brand.
- To manage power in India's biggest industries, in its highest buildings, in its most critical infrastructures and is to be the most trusted, respected and preferred brand. To be closest to its customer. Millions of its homes.
- To serve as a role model to others.
- To make "MADE IN INDIA" a respected label world over



## Admin Block

ADMIN BLOCK GECPL has separate admin block for its engineers & other staff.





# Mission

- To create a unique alchemy of outstanding products, operational excellence, path breaking customer services and compelling marketing.
- To create the best place to work where employees are empowered, cared, developed and provided opportunities.
- To continuously innovate, enhance our core technologies and develop new world class product.
- To be India's largest exporter of industrial power products distribution and control equipment.

# Our Values

- Stretch for your customer.
- Be frank & Be honest
- Be obsessed with quality.
- Discover your strength and those of others.
- Work hard, smart and success as a team and as an individual.

## Our Company Policy



**Customer Awareness**



**Innovation**



**Ethical Value**



**Team Unit**



# Sector We Serve



## 01 | Industrial

**We have vital experience of working In Heavy & light Industries.  
We successfully complete turnky projects in many Industries like :**

- Denso India Ltd.
- Samsung Electronics Ltd.
- Honda Cars India Ltd.
- JMJ Paper Mill
- Hero Majestic Auto Ltd.
- Indian Oil Corp. Ltd. (IOCL)
- UK Paints & British Paints
- Motherson Sumi India Pvt. Ltd.
- Oppo Mobiles India Pvt. Ltd.
- APL Apollo Pipes Ltd.
- Vectus Pipes Ltd.
- Fena Pvt. Ltd.

## 02 | Residential & Commercial

**We also handover residential projects like:**

- Sunworld Ltd.
- Savy Da Villa
- Design Arch
- Nirala Eden Park
- AMR Infra Ltd.
- VXL Realtors P. Ltd.
- Eldeco Infra Projects Pvt. Ltd.
- Alankrit Homes
- Imperia Structures Ltd.
- Northern Railway Housing
- Airport Authority of India



## 03 | School & Colleges

**We have successfully handover following projects.**

- Shree Ram World School (Sachdeva Group)
- Aster Public School
- Vedanta International School
- DPS
- Noody Public School
- Sharda University
- BLS International School
- St. Francis Group of Schools
- GS Medical College

## 04 | Hospitals

**We also handover Hospitals projects like:**

- Pushpanjali Hospital
- Kallash Health Care Ltd.
- Adarsh Hospital
- Shri Krishna Life Line
- Neo Hospital
- Max Health Care







## Our Portfolio

### Our Manufacturing Product

- L.T Panel
- Power Factor Panel (APFC)
- RTU & FRTU Panel
- Power Control Centers (PCC)
- A.M.F. & Distribution Panel
- PLC Based Auto Load Management Lt Panel
- Motor Control Centers (MCC)
- D.G. Synchronization Panel
- Drawout Type MCC Panel
- PLC Panel / VFD Panel
- Dairy Panel (CIP, Cup Filling & Pasteurizer Panel)
- STP, ETP & WTP Panel
- Bus Duct / Rising Main
- Cable Tray, Junction Box
- Race Way



### Contractors

- 33 Kv/11kv Substation
- External Lighting Projects
- HT/LT Cable ITC Project
- Operation And Maintenance Contract
- HT/LT Panel Installation
- Cable Tray / Race Way Laying
- Bus Duct / Rising Mains Installation
- Electrical Panel SITC



### Engineers

- Project Consultants
- Engineering Drawing
- Preparation of Cost Estimates
- Switch Yard Layout
- Specification of Electrical Equipment
- Inspection of Equipment
- Preparation of RFQ's





# Our Certificates

Auditor  
Standard  
Business  
Customer

ISO  
9001

**CENTRAL POWER RESEARCH INSTITUTE**

**TEST REPORT**

  
**CPRI**

Test Report Number : CPRINOAHVMISC22T0138 Date: 21 April 2022

Name and Address of the Customer : M/s Global Electrical & Controls Pvt. Ltd.  
Plot No.-456, UK-2, Ecotech-3, Gr. Noida-201306.

Name and Address of the Manufacturer : M/s Global Electrical & Controls Pvt. Ltd.  
Plot No.-456, UK-2, Ecotech-3, Gr. Noida-201306.

Particulars of Sample tested : Panel Enclosure

Type : Outdoor

Description of test sample : Refer Sheet 2 of 5

Serial Number : Nil

Number of Sample tested : One

Date(s) of Test(s) : 13 & 19 April, 2022

CPRI sample code number(s) : NOAHVMISC22S0131

Particulars of test(s) conducted : Refer Sheet 3 of 5

Test in accordance with : IS/IEC: 61439(Part-1), 2011 & IS/IEC: 61439(Part-2), 2011

Standard/specification : IS/IEC: 61439-1, 2011 & IS/IEC: 61439-2, 2012

Sampling Plan : Nil

Customer's Requirement : Nil

Deviations, if any : Nil

Name of the witnessing persons : Nil

Customer's Representatives : Nil

Other than Customer's Representatives : Nil

Test subcontracted with address of the laboratory : NONE

Documents constituting this report (in words) : Nil

No. of Sheet(s) : FIVE

No. of Oscillogram(s) : NIL

No. of Graph(s) : NIL

No. of Photograph(s) : ONE

No. of Test Circuit Diagram(s) : NIL

No. of drawing(s) : TWO

  
(Sandeep Singh)  
Test Engineer


  
(MK) Jaishwal  
Head of Division  
Reviewed and Authorized by

High Voltage laboratory  
Regional Testing Laboratory, Plot No. 3A,  
Institutional Area, Sector-62, Noida-201309, (UP), India  
Fax: 0120-2402824 and Phone No. 0120-2402823

Sheet 1 of 5

**CENTRAL POWER RESEARCH INSTITUTE**

**TEST REPORT**

  
**CPRI**

Test Report Number : CPRINOAHV21T0126 Date: 16 June 2021

Name and Address of the Customer : M/s Global Electrical & Controls Pvt. Ltd.  
Plot No. 456, 462 & 463, Udyog Kendra II, Ecotech-III,  
Greater Noida-201306, Uttar Pradesh, India

Name and Address of the Manufacturer : M/s Global Electrical & Controls Pvt. Ltd.  
Plot No. 456, 462 & 463, Udyog Kendra II, Ecotech-III,  
Greater Noida-201306, Uttar Pradesh, India

Particulars of sample tested : 415V, 4000Amps, 1P+N Busduct

Type : Air Insulated Busduct

Description of test sample : Refer sheet 2 of 5

Serial Number : Nil

Number of samples tested : One

Date(s) of Test(s) : 15 June 2021

CPRI Sample code Number(s) : NOAHV21S0131

Particulars of tests conducted : Refer sheet 3 of 6

Test in accordance with : IS/IEC: 61439-1, 2011 & IS/IEC: 61439-6, 2012

Standard/Specification : IS/IEC: 61439-1, 2011 & IS/IEC: 61439-6, 2012

Sampling Plan : None

Customer's Requirement : Temp. rise limit on busbar & busbar joint is to be 50K

Deviations if any : Nil

Name of the witnessing persons : Nil

Customer's representative : Nil

Other than customer's representatives : Nil

Test subcontracted with address of the laboratory : Nil

Documents constituting this report (in words) : Nil

Number of Sheets : Six


Number of Oscillogram(s) : Nil


Number of Graph(s) : Nil

Number of Photograph(s) : One

Number of Test Circuit Diagram(s) : Nil

Number of Drawing(s) : One

  
(Sandeep Singh)  
Test Engineer

  
(MK) Jaishwal  
Head of Division  
Reviewed and Authorized by

High Voltage laboratory  
Regional Testing Laboratory, Plot No. 3A,  
Institutional Area, Sector-62, Noida-201309, (UP), India  
Fax: 0120-2402824 and Phone No. 0120-2402823

Sheet 1 of 6

  
**DRS**

Certificate No. DRAFT/SAMPLE

## Certificate of Registration

This is to Certify that the Quality Management System of the

**GLOBAL ELECTRICAL & CONTROLS PVT. LTD**

Plot No- 456, Udyog Kendra II, Sector - Ecotech-III, Behind Daewoo Motor,  
Greater Noida- 201305, Gautam Budh Nagar, Uttar Pradesh ( India )

**Has been successfully assessed &  
Confirms with the following standard**

## ISO 9001:2008

**Scope of Certification**

**" Manufacturing of Electrical Panels. "**

Initial registration Date : 12 Jan 2016 Issue Date : 11 Jan 2016

Surveillance 1 Audit Date : 12 Jan 2017 Expiry Date : 12 Jan 2019

Surveillance 2 Audit Date : 12 Jan 2018

\* Subject to successful completion of Surveillance Audits

  
Joint Accreditation System of  
Australia & New Zealand

  
International Accreditation  
Forum

  
DRS is Accredited by  
JAS-ANZ NUMBER 1111

**DRS MANAGEMENT SYSTEM PVT. LTD.**  
(AN ISO CERTIFICATION BODY)

Office : 216, DLF Centre Point, Sector-11, Mathura Road, Faridabad - 121006.  
E-mail : drsmasp@gmail.com

For current validity of the Certificate, visit on [www.drscertification.com/clientdetail.aspx](http://www.drscertification.com/clientdetail.aspx)  
In the search box, enter first 4 letters of organization Name plus 6 letters of certificate No.

  
**Quantum Certification**

## Certificate of Compliance

Application Of Council of Directive For Electrical Devices Ability 2004/108/EC  
Electromagnetic Compatibility (EMC) 2006/95/EC- LOW VOLTAGE (LVD)  
In Accordance with Following Standards EN 50063, EN 13414-3:2003 + A1: 2008, EN  
505275: 2014, EN 50085-1:2005/A1:2013, EN 61537:2007

This is to certify that  
the technical documentation of the company

**GLOBAL ELECTRICAL & CONTROLS PVT. LTD.**  
PLOT NO.- 456 & 463, UDYOG KENDRA-II, ECOTECH-III, GREATER NOIDA-201 306,  
UTTAR PRADESH, INDIA.

for the product

L.T. PANEL, A.P.F.C. PANEL, A.M.F. PANEL, M.C.C. & P.C.C. PANEL, V.F.D. PANEL, P.L.C.  
PANEL, CABLE TRAY- PERFORATED & LEDDER, RACEWAY, JUNCTION BOX AND C.T  
(CURRENT TRANSFORMER)

THIS CERTIFICATE OF COMPLIANCE IS BASED ON THE TECHNICAL FILE OF THE ABOVE MENTIONED PRODUCTS.  
TECHNICAL REPORTS AND DOCUMENTATIONS ARE AT THE ORGANIZATION'S DISPOSAL. THIS IS TO CERTIFY THAT THE  
PRODUCT IS IN CONFORMITY WITH ALL REVISIONS OF COUNCIL DIRECTIVE ELECTRICAL DEVICES APPLY 2004/108/EC  
ELECTROMAGNETIC COMPATIBILITY (EMC) 2006/95/EC LOW VOLTAGE (LVD) REFERRED TO AS ELECTRICAL DEVICES. THIS  
CERTIFICATE DOES NOT IMPLY ASSESSMENT OF THE RELIABILITY OF THE PRODUCT AND DOES NOT PERMIT THE  
USE OF QUALITY CERTIFICATION MARK OF CONFORMITY.

Certification No: CE18/CECPL/13055 Issue Date: 05/02/2018

Initial Registration Date: 05/02/2018

Date of Expiry: 04/02/2021

Next Surve. Due: 05/01/2020

Re Certification Date: 05/01/2020

  
Managing Director  
**QUANTUM CERTIFICATIONS**  
No. 15, Pt-II, Sector-11, Noida-201301, UTTAR PRADESH  
0120 2543120, 08447788996, 08318066307, 9311725753  
[info@quantumcertifications.com](mailto:info@quantumcertifications.com), [www.quantumcertifications.com](http://www.quantumcertifications.com)  
The Registration is not a product Quality Certificate.  
\*Subject to successful completion of surveillance audits.

  
Quantum  
Certifications  
DELHI

  
CE Marking  
CERTIFICATION

  
CE







# Our Manufacturing Product Range

## Main LT Panel

### Control Panel

Global Electrical & Controls Panel's are compartmentalized, bolted construction and custom built to meet the requirements of modern industries, power & other engineering industries. They conform to the relevant specifications.

### Construction

Generally, panels are of cubical construction made out of CRCA sheet steel. Cable Alley in all cubical panels has enough width and spacing so that cable can be easily terminated. Cable entry can be from top and / or bottom of the panel. We also fabricate panel enclosure in IP 42, IP 54 and IP 65.

### Compartments

Panels are generally in compartmentalized construction. Each compartment is provided with hinged doors. Sheet metal / bake lite barriers are provided between compartments, bus bar chamber and cable alley to make the panel fully complete safe in operation.

MAIN LT PANEL



LT Panel-Draw Out Type

## LT Panel - Draw Out Type

We also manufacturing all type of draw out panels We supply MCC draw out panel to IOCL for many sites. We make draw out type LT Panel for easy maintenance solution because all circuit mounting plate are fixed on a moving trolley which is easily come out from rack.



## APFC Panel

Most of the commercial and industrial installations in the country have large electrical loads which are severely inductive in nature, such as motors, large machines, air conditioners, drivers etc. which result in a severely lagging power factor. This means loss and wastage of energy and heavy penalties by electricity boards. In case of fixed loads, this can be taken care of by manual switching of capacitors. However, in case of rapidly varying and scattered loads, it becomes difficult to maintain a high power factor by manually switching the capacitors on / off in proportion to variation of load within an installation. This drawback is overcome by using an APFC panel (Automatic Power Factor Correction Panel) which not only maintains a high power factor but also eliminates the need for constant manual intervention .



APFC Panel



## Synchronization Panel

Synchronizing panel the name itself describes its role once you link power source. Means to match, adjust with two or more power magnitude levels. The demand of Synchronizing panels comes into action where power continuity is at priority level. In the conclusion, synchronizing panels is the most important part for critical production industries in LT Panels, panels have proper guideline and specification selection for correct synchronization with grid and dg or PV-DG synchronization, by proper setting of Synchronizing relay and setup of all related data like voltage, ampere, frequency, power factor etc. It can synch DG Set load sharing with main power to reduce power consumption from the utility supply.



## AMF Panels

We offer a wide range of AMF Panels to our respected clients, which are manufactured from high grade quality of raw materials. Customers can avail these from us at industry's best lowest prices. These panels are known for their efficiency and find their application across various industries. These AMF Panels can be customized as per the needs of the clients. This AMF Panel application is Automatic D.G. "ON" & "OFF" and it is controlled by a controller. We also offer PLC Based Auto Load Management cum D.G. AMF Panels as per requirement.

## MCC Panel

MCC Panel is known as Motor Control Center (MCC) that assembly of one or more electrical component containing MCCB, contractor, overland relay, and MPCB. A motor control center can include variable frequency drives, programable controller, and metering and may also be intelligent controller (IMCC Panel). MCC containing very advance most trusted technology as per IEC standard and Indian standard with intelligent drawing designs.

## PCC Panel

Power Control Center (PCC) are modular structured electrical control panel used to control power supply in large industrial as well as commercial units power supplied to big and heavy machineries, equipments, motor and transformers are controlled as per the requirement.





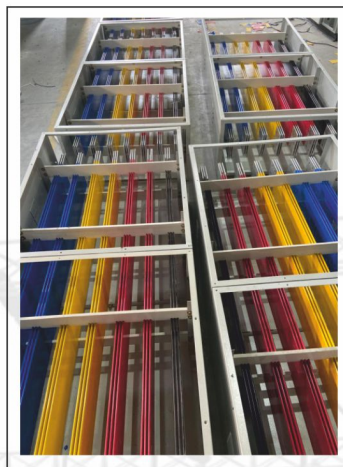
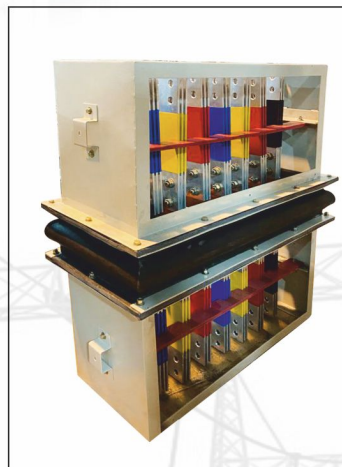


**PCC Panel**

## Bus Duct / Rising Main

### Rising Main

We Manufacture All Rating of Aluminum or Copper Bus Duct & Rising Main as per requirement (Starting range from 100 Amp To 6000 Amp.)



## RTU & FRTU Panel

RTU Stands for Remote Terminal Unit.

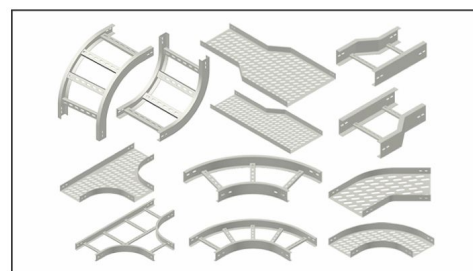
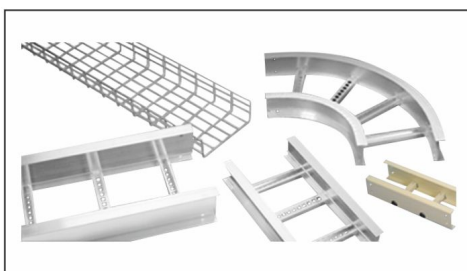
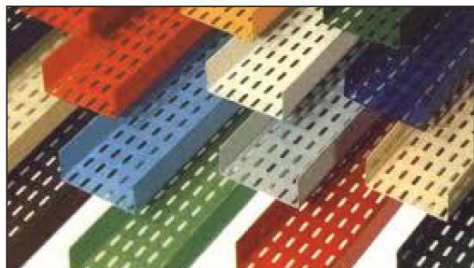
A RTU is a microprocessor based device that monitors and controls field devices, that then connects to plant control or SCADA.

RTU system is much more powerful than PLC.



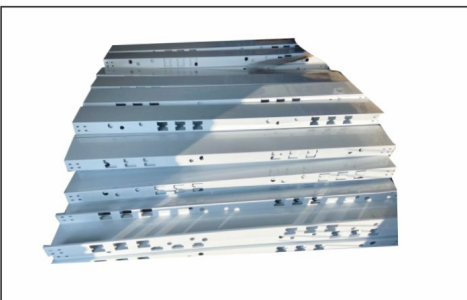
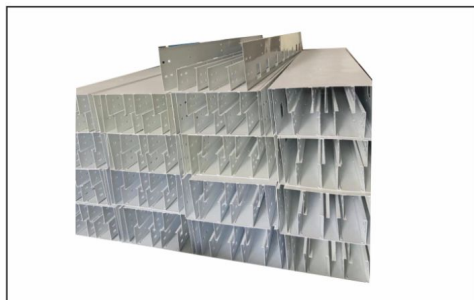
# Cable Tray

In the electrical wiring of buildings , a cable tray system is used to support insulated electric cables used for power distribution and communication . Cable trays are used as an alternative to open wiring or electrical conduit systems and are commonly used for cable management in commercial and industrial construction . They are especially useful in situations where changes in a wiring system are anticipated , since new cables can be installed by laying them in the tray , instead of pulling them through a pipe



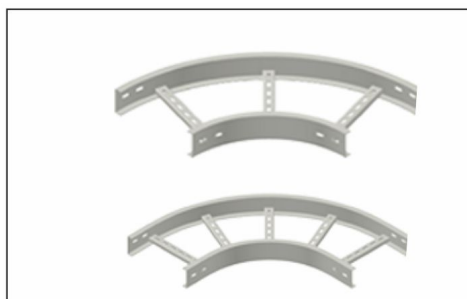
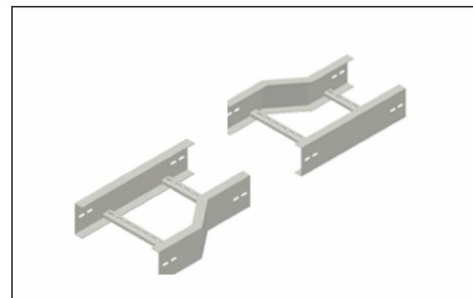
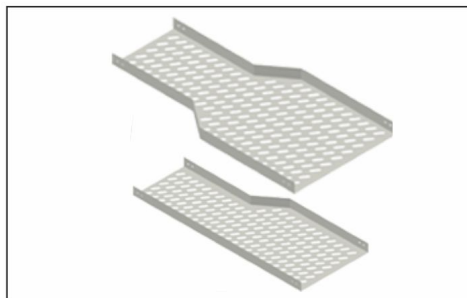
## Race Way

We manufacture all type of Raceway like two way or three way partition type raceway.



## Tray Accessories

Tee bend, reducer, vertical, horizontal bend & cross accessories for cable tray installation.





# Earthing Solution

## Earthings Electrode

To have a good earth resistance, has always been a problem in soil of poor electrical conductivity. This grounding improvement product is designed to reduce the soil resistivity locally and therefore improve the resistance of the grounding.

Maintenance free safe Earthing electrode by utilizing metal alloys and natural chemical composition. The safe Earthing electrode is able to provide a multifaceted proactive Earthing protection strategy. The Earthing electrode is manufactured from custom-made G.I. tubes to ensure maximum conductivity and protect main earth electrode from the soil. This will ensure a highly conductive state for the fault current to pass on the earth.

Earthing is very important part of electrical engineering. Generally people forget about Earthing once it is installed, no one checks it unless and untill something goes wrong and find faults in Earthing. In most cases it fails due to corrosion of the pipe. Therefore maintenance free Earthing electrode can be used for effective Earthing, which will ensure safety to human life, appliance, machines, & equipment etc. Earthing is absolutely essential and it is mandatory by various electrical departments.

## Earthing Standard

F 15:3043-1987 Clause 9.2.8 & 9.3 says...

The material selected for Earthing electrode, should exhibit a galvanic potential with respect to the ground as nearly equal to that exhibited by the structure of unprotected condition, the material used be such that it resists the corrosion.

Tests in a wide variety of solids have shown that copper is entirely satisfactory and taking the life of copper Earthing as max. 12 years, the average loss is weight of copper, buried for 12 years is 0.2 percent per year and average loss in weight of galvanized steel, a little inferior to copper, 0.5 percent per year.



G.I. Earthing Electrode



Earthing Compound



Copper Earthing Electrode

### Specification

<b>Raw Material</b>	Mild Steel as per IS 2062/ Copper Strip
<b>Sizes</b>	20 x 3, 25 x 3 / 6, 30 x 5 / 6, 35 x 5 / 6, 40 x 5 / 6, 50 x 5 / 6 / 8 / 10, 75 x 8 / 10, 100 x 8 / 10 / 12
<b>Finish</b>	Hot Dip Galvanized as per I.S. 2629 / 4759, BS 729, ASTM 123



Copper Strips



Gi Strips



## Accessories



Clamp



Jointer



Junction Box



Threaded Rod



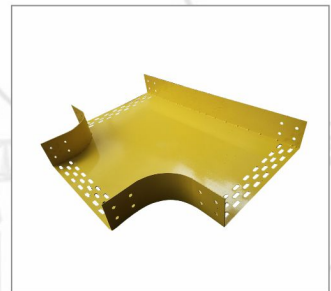
Slotted-C-Channel



Tamlex

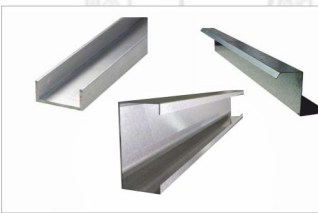
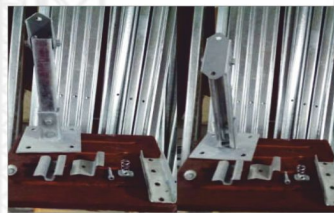


Fastner



Perforated Bend

## Module Mounting Structure Accessories



Aluminium Solar Structure



Grid Disconnect Clamp



Hanger



L-Clit



Disconnect Clamp



Base Plate



Base Plate Hanger



U- Clamp



Z-Clamp



Grid Disconnect Clamp



# Manufacturing Facilities - In House



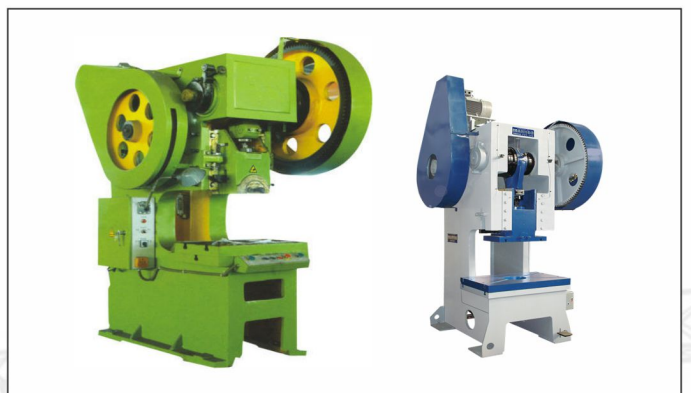
**CNC Amada Turret Punching Machine**



**CNC Shearing Machine**



**CNC Bending Machine**



**Power Press Machine**



**Cable Tray Perforation Machine**



**Stand Grinder**



**7 Tank Power Coating Chemical Treatment Plant**



**Powder Coating Oven**





**BENDING MACHINE**



**CNC PUNCHING**



**POWDER COATING**



**SHEARING MACHINE**



# Inspection & Testing at Plant

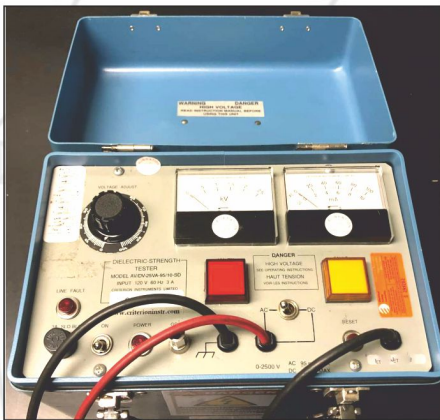
- Insulation with 1000 mega volts.
- High voltage test 2.5 KV for 1 sec ( 50Hz)
- Functional Test Power coating quality.
- Al & Cu Conductivity ( % IACS )
- KWH calibration.
- Primary injection up to 4000 A.
- Secondary injection.
- Switchgear operational tests.



## We Have All Panel

### Testing Facilities In House With Following Equipment.

- High Voltage Meter
- Meggar (1000v)
- Multimeter
- Tong Tester
- Analyzer
- Digital Frequency Meter
- Digital Ampere Meter
- Digital Volt Meter
- Digital Power Factor Meter & Controller
- KWH Meter (Load Calculation Meter)
- Digital Harmonics Measuring Meter
- Current Transformer
- Voltage Transformer







**TESTING\_ACB**



**TESTING\_HV TEST**



**TESTING\_IR**

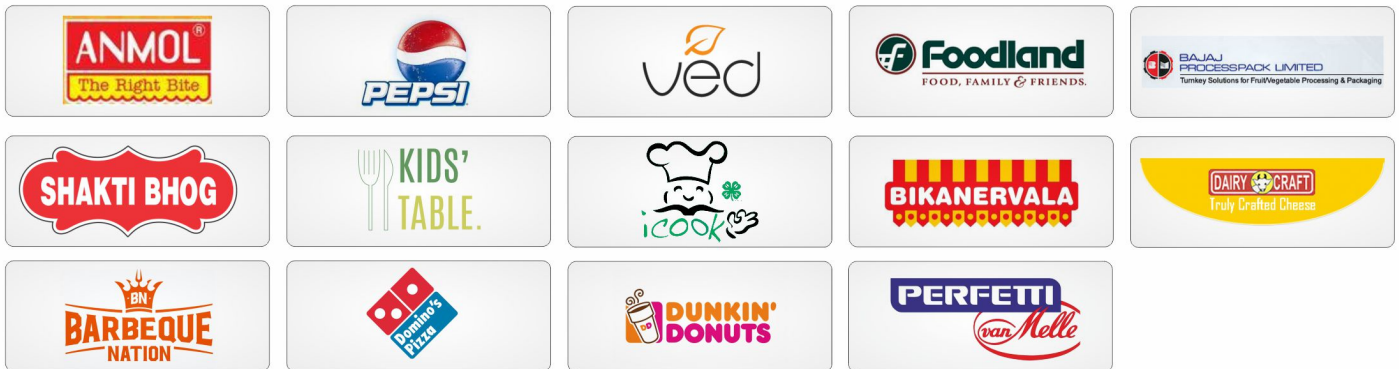


**POWDER COATING THICKNESS INSPECTION**

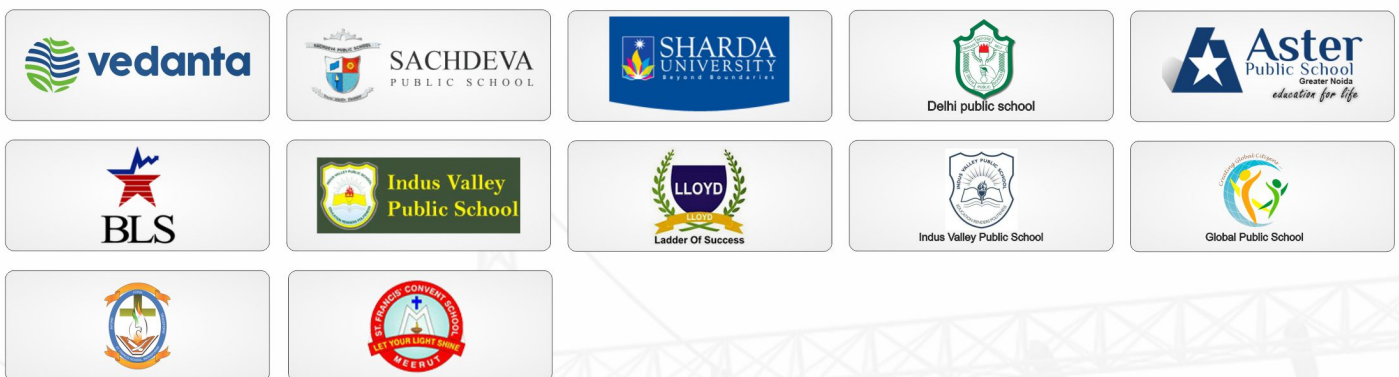


# Our Valuable Client

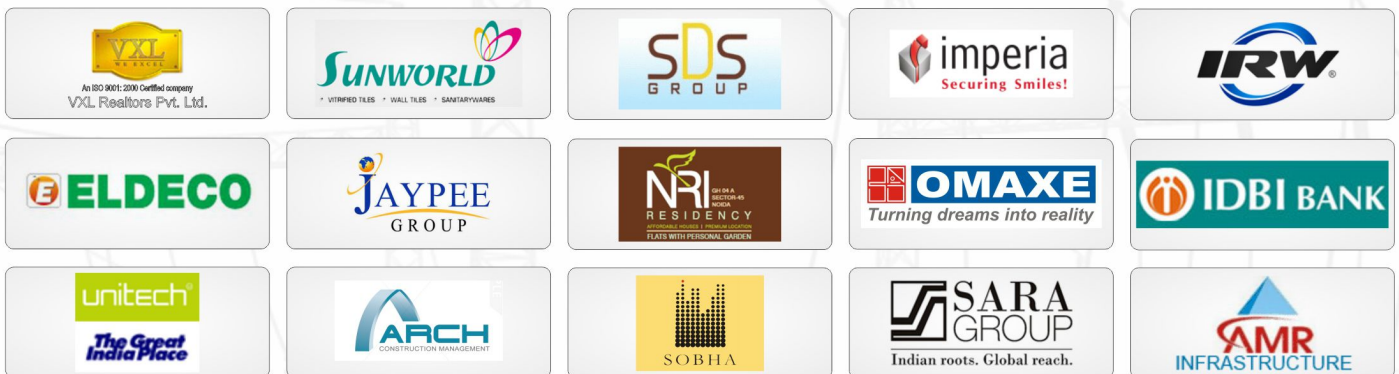
## Food & Beverages



## School & College



## Infrastrucrture



## Hospital



## Pharma Companies





# INDUSTRIES





SINCE 2008

# GLOBAL

**Electrical & Controls Pvt. Ltd.**

**AN ISO & CPRI APPROVED COMPANY**

Mfg of : LT Panel, A.P.F.C. Panel, A.M.F. Panel, Meter Board Panel PLC & VFD Panel, Starter Panel, Cable Tray, Race Way & Bus Duct etc.

**Add. :** Plot No-456, 462 & 463, Udyog kendra-2nd, Ecotech-III,  
Near, New Holland Tractor Company, Greater Noida - 201306 (U.P.) India  
**Phone :** 0120 - 6857782, +91- 9810243219, 9999982280  
**E-mail :** globalelectrical\_controls@yahoo.com, **Website :** www.gecpl.org

karotiya advt : +91-9911117158, 9891142254