



ELECTRICAL INDUSTRIAL/
COMMERCIAL CONTRACTORS

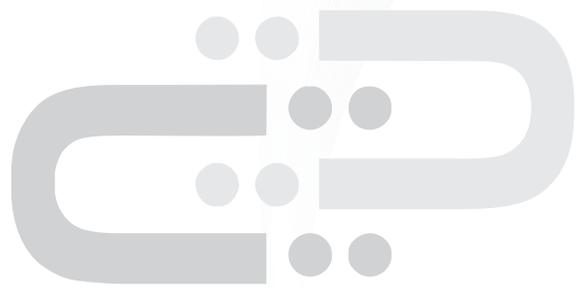
ELECTRIC PANEL &
CABLE TRAY MANUFACTURER

HARMONIC ANALYSIS, TESTING
& ENERGY AUDIT

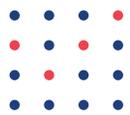


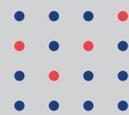
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ESSWIN





ABOUT US

Esswin Electro Controls Pvt Ltd was founded in Delhi, India in the year 2010 as a sole proprietorship firm initially called as Esswin Electro Controls and was subsequently incorporated as a private limited company in the year 2012.

Esswin Electro Controls is thriving as a strong, consistent, Multifaceted, Multi disciplinary and vibrant organisation totally committed to quality and customer satisfaction. Long term relationship and repeat orders are testimony of the highest standard of quality and Customer satisfaction.

We are an ISO 9001 : 2015 certified company Esswin Electro Controls Pvt Ltd is made position in competitive market by proving quality, safety and Timeline in Electrical and Instrumentation contracting company which provides premier Engineering-Procurement-Construction (EPC) contract solutions consisting of supply, erection, testing and commissioning by transcendent project execution specialists.

Also Esswin have Manufacturing facility in Rudrapur and providing quality product of LT Panels, Bus Duct, Powder Coated Cable Tray, Race ways, SS Cable Tray. The Unit is equipped with Hi- Tech machine, tools and team of professionals who designs and manufactures.

We have added a vertical to above which provides support to Industrial plant for their Power Quality Monitoring and subsequently solution for same in terms of product and knowledge. It Was acknowledged and certified as ECOEXPERT by Schneider Electric.



OUR PARTNERSHIPS

SCHNEIDER ELECTRIC – PRISMASET LOW-VOLTAGE PANELS



Certified Excellence & IEC 61439-1 & 2 Compliance

As an **EcoXpert LV Panel Certified Partner**, Esswin is authorized to assemble, test, and supply

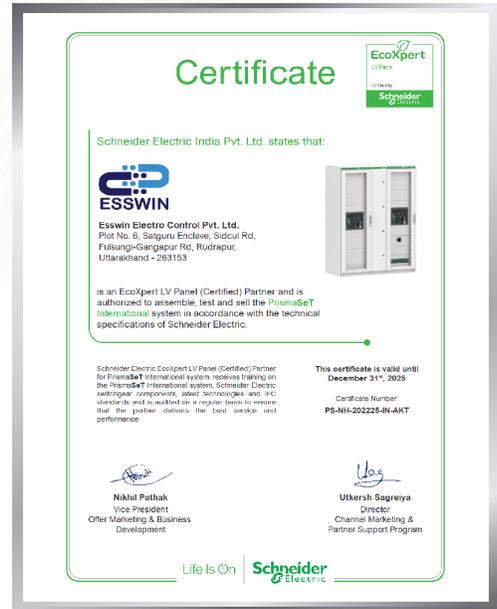
PrismaSeT International switchboards — fully compliant with IEC 61439-1 & 61439-2 standards.

- ⦿ **Up to 5000A /85 kA short-circuit rating** for robust power distribution

Modular, fully-bolted design enables easy expansion & maintenance

- ⦿ **IP4X to IP54 protection**— ideal for demanding industrial or outdoor environments

Built-in compliance with critical switchgear requirements: voltage, current, short-circuit, shock/fire safety

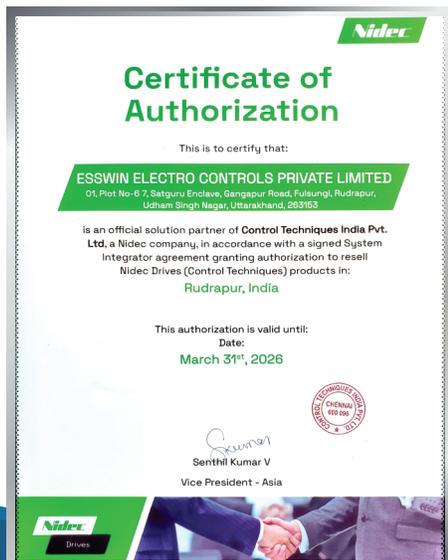


NIDEC / CONTROL TECHNIQUES – DRIVES & AUTOMATION

Trusted Solution Partner for Drives

Esswin is an **official Solution Partner** of **Nidec Drives (Control Techniques India Pvt Ltd)**, under a formal System Integrator agreement.

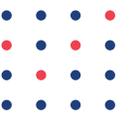
- ⦿ Authorized to **resell and support Nidec/Control Techniques drives pan India**
- ⦿ Delivering **innovative, reliable & sustainable industrial automation** with global-grade support



SERVICES

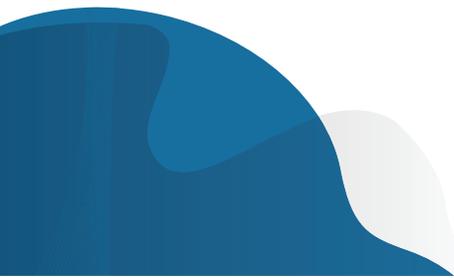
Our expertise is in the field of HT & LT Electrical works ranging from new Design and installations to Retrofits and round the clock Maintenance. Our projects include Food and beverage industries, Breweries, Automobiles sector, Hospitals, HT Substations, Commercial and residential sectors in which the following services are offered:

-  **NEW ELECTRICAL SYSTEM INSTALLATIONS**
-  **UP-GRADATIONS & EXPANSION OF EXISTING SYSTEMS**
-  **INSTRUMENTATION & AUTOMATION IN INDUSTRIAL PROJECTS**
-  **DG & UPS TURNKEY SOLUTIONS**
-  **RETROFITS FOR ELECTRICAL PANELS**
-  **BUILDING MANAGEMENT & CONTROLS**
-  **POWER QUALITY & HARMONIC ANALYSIS**
-  **DESIGN & CONSULTANCY**
-  **SUBSTATION**
-  **FIRE ALARM, PA & SECURITY SYSTEM**





SERVICES



PROJECT WORK

SUPPLY & INSTALLATION



TRANSFORMER



DG INSTALLATION



DG CHIMNEY



HT WORK



BBT WORK



LT/HT PANEL WORK



SS CABLE TRAY WORK



PROJECT WORK

SUPPLY & INSTALLATION



LIGHTING



INSTRUMENTATION WORK



PNEUMATICS WORK



CABLING



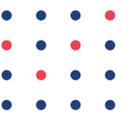
UPS INSTALLATION



POWER DISTRIBUTION BOARD WORK



POWER QUALITY ANALYSIS



EXTRA LOW-VOLTAGE SERVICES

FIRE DETECTION SYSTEMS



Robust protection that integrates with our manufactured fire-fighting panels for end-to-end safety and local authority compliance:

- ❑ **Addressable & conventional fire alarms**, fully designed, installed, tested, and maintained in line with **NBC/state fire codes**
- ❑ Meets insurance and regulator demands, helping secure Fire NOCs and comply with insurer safety standards
- ❑ Lifecycle support: maintenance, testing, and documentation for audit-ready compliance

CCTV & VIDEO SURVEILLANCE



High-definition surveillance throughout industrial, commercial, and other properties—with deep system integration:

- ❑ Tailored IP & analog camera systems for indoor and outdoor coverage
- ❑ **Seamless integration with Building Management System (BMS)** for unified monitoring, alarms, and automated control workflows
- ❑ Real-time monitoring and recorded playback to deter incidents and support investigations
- ❑ Ongoing maintenance, updates, and optional remote monitoring services

ACCESS CONTROL SYSTEMS



Secure and scalable access environments, customized to your property's needs:

- ❑ Smart access via card, biometric, keypad, Bluetooth, PoE locks, and turnstiles
- ❑ Customizable for doors, gates, and visitor flows across multiple zones—centrally managed
- ❑ Periodic audits, system updates, and compliance certifications

DATA NETWORKING & STRUCTURED CABLING



Delivering reliable IT infrastructure that supports your digital ecosystem:

- ❑ **Structured cabling** with Cat6/Cat6a, fiber optics (OFC), patch panels, and keystone jacks per TIA/EIA & IEEE standards
- ❑ **Ethernet & PoE switches**, media converters, PDUs, and cable management—ideal for integrated ELV systems
- ❑ Custom rack and cabinet solutions, including layout design and installation
- ❑ End-to-end services: site surveys, cable runs, termination, labelling, and testing
- ❑ Network support: troubleshooting, expansions, and remote diagnostics

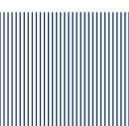




LIASONING & APPROVALS FOR PROJECTS

Streamlining Regulatory Compliance for Industrial & Commercial Ventures

At Esswin Electro Controls Pvt Ltd, our expert team ensures smooth liaisoning and approvals—coordinating with government bodies to eliminate delays and fast-track your project greenlights.



OUR SERVICES: WHAT WE HANDLE

1. CEIG/Chief Electrical Inspector to Govt. Approvals

- ⊙ Safety clearances for HV/LV electrical installations
- ⊙ Preparation & submission of technical drawings, compliance reports, and test certificates
- ⊙ Coordination and inspections with electrical authorities and DISCOMs

2. Load Sanction & Enhancement

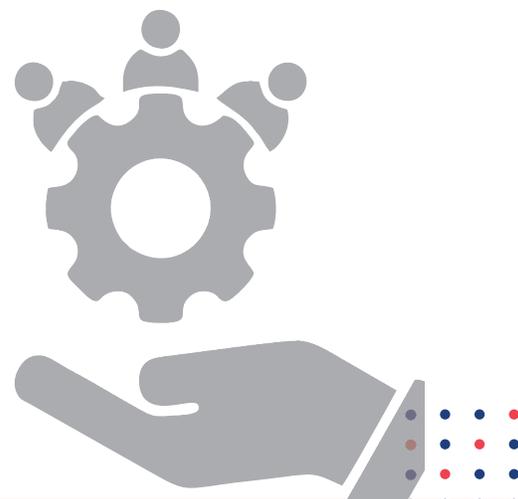
- ⊙ Applying for initial power load approvals and subsequent capacity upgrades
- ⊙ Managing surveys, agreements, and legal paperwork with electricity boards

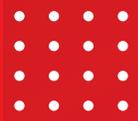
3. Building Plan & Electrical Plan Approvals

- ⊙ Approvals for building layouts and electrical installations
- ⊙ Coordination with municipal authorities, electrical inspectors, and structural compliance teams

4. Coordination with Electrical dept.

- ⊙ Submission of documents for approvals
- ⊙ Submission of test reports of HT panels, DG, Transformers, earth pits, etc.





PRODUCTS



PRODUCTS

MANUFACTURING



PCC PANEL



MCC CONTROL PANEL



DG SYNCHRONIZATION PANEL



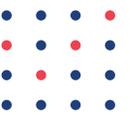
FEEDER PILLAR

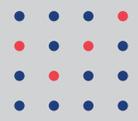


APFC PANEL



BUS DUCT





PRODUCTS

MANUFACTURING



FIRE FIGHTING PANEL



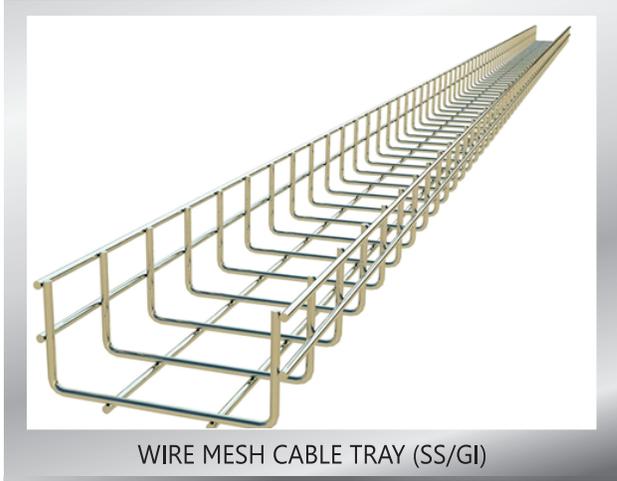
ACDB PANEL



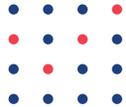
SS ENCLOSURES AND JUNCTION BOXES



POWDER COATED CABLE TRAY



WIRE MESH CABLE TRAY (SS/GI)



POWER QUALITY

ANALYSIS & HARMONICS ANALYSIS

We at Esswin is working hard towards Power Quality and Harmonics analysis in industries and our efforts was recognize by Schneider Electric certifying as EcoExpert.

EcoXpert™
Certified by
Schneider Electric

Isolate and Eliminate the Root Cause of Malfunctions in Your plant

Dips, spikes, surges, or outages can damage critical systems in your plant, causing them to malfunction, shut down unexpectedly or fail prematurely. Grounding errors, transient voltage and harmonic distortion are a few of the issues that may affect power system quality and reliability. Isolating these problems can help you improve reliability of power.



Power Quality Analysis Identifies Power Quality issues.

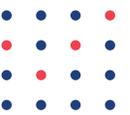
Our Power Quality Studies and Harmonic Analysis are performed by experts from Esswin Electro Controls Located in Rudrapur, and any other part of India through our partners.

For our Team we are ensuring ongoing education and adherence to strict standards in safety and electrical testing knowledge.



Electrical Inspection And Testing - Thermal Imaging

Thermal imaging is a widely used method as it can identify problems that the naked eye cant and it is non-invasive or intrusive. Thermal imaging can detect potential problems within the electrical distribution system without the need to isolate circuits. Images can be taken of key components captured in a thermal image and a digital image. Thermal imaging gives you the ability to carry out live testing whilst meting your obligations under legislation.

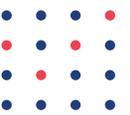


CLIENTS

FMCG



FOOD AND BEVERAGES



CLIENTS

AUTOMOBILE



OTHERS



CONSULTANTS



PRESENCE



DELHI

GSTN: 07AADCE0184F1ZY

HARYANA

GSTN: 06AADCE0184F1Z0

UTTRAKHAND

GSTN: 05AADCE0184F1Z2

TAMIL NADU

GSTN: 33AADCE0184F1Z3

WEST BENGAL

GSTN: 19AADCE0184F1ZT

UTTAR PRADESH

GSTN: 09AADCE0184F1ZU

- ANDHRA PRADESH
- ASSAM
- GOA
- GUJARAT
- HIMACHAL PRADESH
- KARNATAKA
- MADHYA PRADESH
- MAHARASHTRA

- ODISHA
- PONDICHERRY
- PUNJAB
- RAJASTHAN
- SIKKIM
- UTTAR PRADESH
- WEST BENGAL



- NEPAL
- BHUTAN
- SRI LANKA



CERTIFICATIONS

CENTRAL POWER RESEARCH INSTITUTE
(Member of STL)

TEST REPORT

CPRI

Test Report Number : 2016/STL205 Dated : **08 MAR 2016**

Name and Address of the Customer : M/s Esswin Electro Controls Pvt.Ltd.,
Plot No. 6.7 Salguru Enclave Phulsiungi,
Rudrapur, Uttarakhand- 268 153

Name and Address of the Manufacturer : M/s Esswin Electro Controls Pvt.Ltd.,
Plot No. 6.7 Salguru Enclave Phulsiungi,
Rudrapur, Uttarakhand- 268 153

Particulars of Sample(s) Tested : 415 V, 4000A, L.T. Switchboard

Condition of sample(s) on receipt : New
Type : Power Cum Motor Control Center
Designation : Main Distribution Panel
Serial Number(s) : ESSWIN511
Number of Sample(s) Tested : One
CPRI sample code number(s) : STDSST216S0261
Sealing of the sample if any : NIL
Particulars of test(s) conducted : Verification of temperature rise limits

Date(s) of Test(s) : 16/02/2016 & 19/02/2016

Test(s) in accordance with Standard/specification : As per Cl. 8.2.1 of IS: 8623 (Part-1), 1993 & as per customer's requirement.
Sampling Plan : NIL
Customer's Requirement : Maximum temperature rise limit on Busbar & Joints shall be 70 K declared by the customer as specified in the standard.

Deviations, if any : NIL

Name of the witnessing persons : Mr. Himanshu Rastogi, Executive
Customer's Representatives : NIL
Other than Customer's Representatives : NIL

Test subcontracted with name and address of the laboratory : NONE

Documents constituting this report (in words)

No. of Sheet(s) : SIX
No. of Oscillogram(s) : NIL
No. of Graph(s) : NIL
No. of Photo (s) : NIL
No. of Test Circuit Diagram(s) : NIL
No. of drawing(s) : TWO

(A.K. KHANDE)
TEST ENGINEER

(A. AWASTHI)
JOINT DIRECTOR

SWITCHGEAR TESTING & DEVELOPMENT STATION
GOVINDPURA, BHOPAL - 462023
Phone: +91(0)755 2586682 Fax: +91(0)755 2587774

Sheet 1 of 6

CPRI - TEMPERATURE RISE

CENTRAL POWER RESEARCH INSTITUTE
(Member of STL)

TEST REPORT

CPRI

Test Report No. : 2016/STL198 Dated : **08 MAR 2016**

Name and Address of the Customer : M/s Esswin Electro Controls Pvt.Ltd.,
Plot No. 6.7 Salguru Enclave Phulsiungi,
Rudrapur, Uttarakhand- 268 153

Name and Address of the Manufacturer : M/s Esswin Electro Controls Pvt.Ltd.,
Plot No. 6.7 Salguru Enclave Phulsiungi,
Rudrapur, Uttarakhand- 268 153

Particulars of Sample(s) Tested : 415 V, 200A, L.T. Panel

Condition of sample(s) on receipt : New
Type : Electrical Control Panel
Designation : Main Distribution Panel
Serial Number(s) : ESSWIN511
Number of Sample(s) Tested : One
CPRI sample code number(s) : STDSST216S0262
Sealing of the sample, if any : NIL
Particulars of test(s) conducted : Degree of Protection IP-65

Date(s) of Test(s) : 16/02/2016 & 17/02/2016

Test(s) in accordance with Standard/specification : As per Cl. 8.2.7 of IS: 8623 (Part-1), 1993
Sampling Plan : NIL
Customer's Requirement : NIL
Deviations, if any : NIL

Name of the witnessing persons : Mr. Himanshu Rastogi, Executive
Customer's Representatives : Mr. Himanshu Rastogi, Executive
Other than Customer's Representatives : NIL

Test subcontracted with name and address of the laboratory : NONE

Documents constituting this report (in words)

No. of Sheet(s) : FIVE
No. of Oscillogram(s) : NIL
No. of Graph(s) : NIL
No. of Photograph(s) : NIL
No. of Test Circuit Diagram(s) : NIL
No. of drawing(s) : ONE

(BHAGIRATH SHARMA)
TEST ENGINEER

(A. AWASTHI)
JOINT DIRECTOR

SWITCHGEAR TESTING & DEVELOPMENT STATION
GOVINDPURA, BHOPAL - 462023
Phone: +91(0)755 2586682 Fax: +91(0)755 2587774

Sheet 1 of 5

CPRI - PROTECTION IP 65

CENTRAL POWER RESEARCH INSTITUTE
TEST REPORT

CPRI

Test Report Number : CPRIPLSTNBMISC25T0069 Date: 24 February 2025

DESCRIPTION OF SAMPLE TESTED
(As assigned by the manufacturer)

Test Sample : 415 V, 6300 A, LT Panel (Non Extendable)
Type : Power Cum Motor Control Centre
Designation : Main Distribution Panel
Serial number : ESSWIN25/171

Voltages

Rated Voltage (U_n) in V : 415
Rated Insulation Voltage (U_i) in V : 690
Rated impulse withstand voltage (U_{imp}) in kV : -

Currents

Rated Current (I_n) in A : 6300
Rated current of a main outgoing circuit (I_{ma}) in A : NA
Rated conditional short-circuit current (I_{sc}) in kA : NA
Rated short-time withstand current (I_{sw}) in kA : 70 kArms for 1.0 second with initial peak of 154 kApk

Rated frequency (f_n) in hz : 50
Degree of protection : IP43
Material group : Nil
Form of separation : Nil
Number of Phases : Three Phase + Neutral
Extendable : No

NA : Not Applicable

(Prabakaran T)
Test Engineer

SWITCHGEAR TESTING & DEVELOPMENT STATION
GOVINDPURA, BHOPAL - 462023, M.P., INDIA
Telephone: +91(0)755 2586682 Fax: +91(0)755 2587774

Sheet No. 2 of 6

CPRI - SHORT CIRCUIT 70 K

CREDENTIALS



CII MEMBERSHIP



McCain



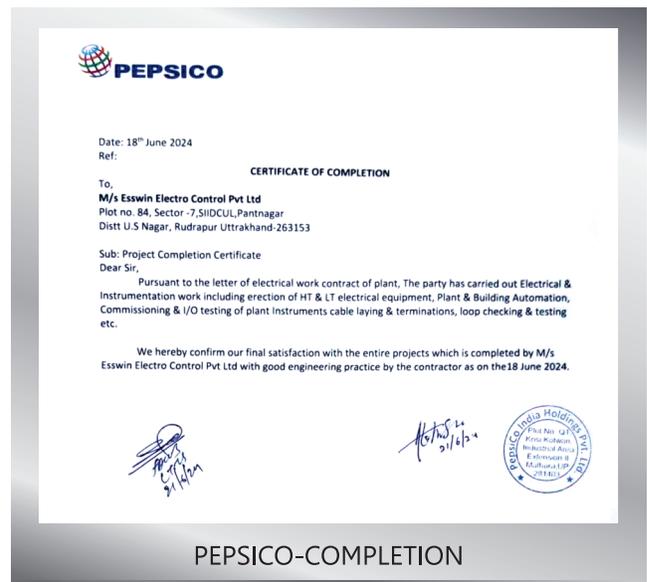
HUL SAFETY-APPRECIATION



CARGILL AWARD



ROQUETTE-SAFETY



PEPSICO-COMPLETION



Corporate Office:

S9, Pankaj Plaza Pocket and Plot-7 Sector 12,
Dwarka New Delhi-110075

Manufacturing Facility Address::

Plot no - 84, Sector -7, IIE Pantnagar, Rudrapur,
Uttarakhand-263153

 +91 8755513755, +91 9212556656  esswin.com