



**Prayan Electrical
& Automation** pvt. ltd.



Manufacture of
all type of **Electrical &
Automation Panels,**
Solar Installation,
**MEPF Contracting &
Home Automation**



The **Quality** That Inspire Trust Customize
Electrical & Automation Panels

Smarti Qo[®]
pvt.ltd

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www.prayanelectricals.com

ABOUT COMPANY

We, **Prayan Electrical Automation Pvt. Ltd.** specialize in manufacturing customized panels for our global clients. We have a fully equipped factory located in Kubadthal, Ahmedabad, Gujarat, India, covering approximately 25,000 sq. ft. Our trained staff and advanced machinery enable us to handle critical and customized jobs for our valued clients. We provide complete in-house facilities, from design to manufacturing the finished product. Additionally, we offer solutions for CPRI-approved turnkey projects, both onshore and offshore.

We are an ISO 9001:2015, (CPRI-IP65 & Short Circuit Test) and IEC 61439 approved electrical and automation panel manufacturing company.



Our Mission

Our mission is to provide power measuring, controlling, and analyzing of current and voltage with safety. We are the employer of choice, offering team members opportunities for growth, advancement, and rewarding careers in a safe working environment.



Our Vision

The world is moving fast, and we want to keep up with technologies while ensuring safety and accuracy. Our vision underpins the growth and development of our organization, focusing on meeting our global clients' customized requirements with the world's best solutions at very affordable costs.

We serve industrial, commercial, and residential projects for our domestic and global clients.



Our Certificates

GST NO.: **24AAKCP8607R1ZN**

IE CODE: **AAKCP8607R**

CIN NO: **U29309GJ2019PTC110714**

MSME : **UDYAM-GJ-01-0031464**

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*If everybody else
seems to be doing
it one way, there
might be more
opportunity
the other way.*



... **How Can I Reduce Manufacturing Interruption & Uncontrolled Power Usage ?**

- ✓ Our solutions for industry enhance productivity, flexibility, security, & traceability. We optimize energy use in manufacturing processes across various sectors, including food and beverage, textiles, automobiles, electronics, packaging, pharmaceuticals, & paper.

▶ **ESSENTIAL INFRASTRUCTURE**

- ▶ Design Software (AutoCAD Electrical / EPLAN)
- ▶ ERP/Inventory System (for material planning)
- ▶ Proper Earthing & Power Supply in Workshop
- ▶ Storage Racks for Switchgears, Wires, and Busbars

Our company has scrupulously followed one golden rule:

NEVER COMPROMISE on QUALITY

This commitment has positioned us as one of the front-runners in the industry.



▶ **WE CATER TO**

At **Prayan Electrical Automation Pvt. Ltd.**, we cater to a variety of industries and clients both domestically and globally

- | | |
|--|---|
| ▶ Construction | ▶ Oil & Gas Sector |
| ▶ Petrochemical / Refineries | ▶ Infrastructure Development Projects
(like Roadways, Airport Projects, Camp Facility, etc.) |
| ▶ Engineering | ▶ Water Treatment Plants |
| ▶ Food/Dairy Industries | ▶ Irrigation and Pumping Stations |
| ▶ Power Projects & Distribution | ▶ Solar (Sector) Panels |
| ▶ Multiplex / Commercial Malls / House | ▶ Ceramic (Sector) Panels |
| ▶ Hospitals/Hotels | ▶ Chemicals Industries |
| ▶ Marine & Dredging | ▶ Cement Plants |
| ▶ Semiconductor Industry | |

OUR INFRASTRUCTURE

Prayan Electrical & Automation Private Limited is fully equipped with the necessary infrastructure, including CAD and EPLAN facilities for design, state of the art plant and machinery for manufacturing, and high-precision, accurate, and duly calibrated testing infrastructure.



PLAN AND MACHINERY

- ▶ Bus Bar Bending Machine
- ▶ Bus Bar Cutting Machine
- ▶ Bench Grinding Machine
- ▶ Pillar Type Drilling Machine
- ▶ Surface Grinder
- ▶ Tapping Machine
- ▶ Spot Welding Machine
- ▶ Hand Drills
- ▶ FTP Cutting Machine
- ▶ OH Crane
- ▶ Spanner set Etc.
- ▶ JV With Fabrication Unit
- ▶ CNC Turret Punch / Shearing Machine
- ▶ Bending Machine
- ▶ Welding Machine
- ▶ Grinding & Finishing Machine
- ▶ Drilling & Tapping Machine
- ▶ Powder Coating / Painting Booth with Oven
- ▶ Hand tools: Angle grinder, drilling set

TESTING/MEASURING INSTRUMENT

- ▶ Megger Digital Rechargeable Tester
- ▶ AC Current Clamp-meter
- ▶ Multi-meter
- ▶ HV Tester
- ▶ Venier Caliper
- ▶ Coating thickness gauge
- ▶ All Other Testing Facilities
- ▶ Continuity Tester
- ▶ Earth Resistance Tester
- ▶ Primary Injection Kit
- ▶ Secondary Injection Kit
- ▶ Load Bank

OUR PRODUCT CHAIN

Prayan Electrical Automation Pvt. Ltd. manufactures genuine quality products with enduring support. We are a prominent manufacturer, exporter, and supplier of an extensive range of electrical and automation panels, including electrical bus ducts, PCC, MCC, APFCR, synchronizing panels, and LV/MV/HT panels. We ensure that our products meet international quality standards. Our high-performance and globally recognized products include:



LT PANELS

- ▶ LT/MDB Panels
- ▶ Synchronizing Panels
- ▶ Power Cum Motor Control Center (PMCC)
- ▶ Power Control Center (PCC)
- ▶ Motor Control Centers (MCC) / Intelligent Motor Control Center (IMCC)
- ▶ Automatic/Real Time Power Factor Control Panel (APFCR/RTPCR)
- ▶ AMF Panels
- ▶ ATS Panels
- ▶ HVAC Control Panels
- ▶ Bus Duct (up to 6000A)
- ▶ Flameproof Panels
- ▶ Power Distribution Boards (PDB)
- ▶ Lighting Distribution Boards (LDB)
- ▶ Irrigation & Submersible Pump Control Panels
- ▶ Local Control Panel
- ▶ Firefighting panel

AUTOMATION PRODUCTS

- ▶ VFD & Soft Starter Control Panels
- ▶ PLC Panels
- ▶ SCADA
- ▶ Instrumentation panel

SOLAR PANELS

- ▶ ACDB Panels
- ▶ DCDB Panels
- ▶ Main Panels (800 V)

MAIN DISTRIBUTION BOARD (MDB) / LT PANEL

Power distribution is a system consisting of a Main Distribution Board (MDB), Sub Main Distribution Boards (SMDBs), and Final Distribution Boards, through which electrical energy is transmitted via branches to reach the end user



Available Features

- ▶ Rated Operational Voltage up to 690 V AC
- ▶ Rated current ranging from 400 amps to 6300 amps
- ▶ Separation Form 2,3, and 4 type 7
- ▶ Ingress protection standard UP TO IP65 (IP54 on request)
- ▶ Wall mounting or floor standing
- ▶ Top or bottom cable entry, with front or rear cabling access
- ▶ Engineered to accept Bus Bar Flanges for Bus Riser Connections
- ▶ A full range of instruments and metering to meet customer requirements
- ▶ Fuse switch dis- connectors, MCCB's and ACB's as required
- ▶ Fixed, plug-in, or drawout devices. Automatic changeover systems (relay or PLC controlled)
- ▶ Automatic load shedding
- ▶ Special control systems to customers requirements

▶ SUB MAIN DISTRIBUTION BOARD (SMDB)

The MDB then feeds SMDBs, which are generally installed at the point where a large distribution cable terminates and several smaller sub-circuits begin. These switchboards, although similar in construction, are larger than a final distribution board. They are installed midway through the power distribution system, where a large distribution cable ends and several smaller sub-circuits start.



▶ Available Features

- ▶ Form 2 type of segregation as a standard
- ▶ Three-phase boards range from 4 ways to 16 ways
- ▶ Options for isolator and MCCB: auto or non-auto incomers
- ▶ Capable of accepting MCCB outgoings
Extension links are provided as standard to accommodate site requirements for oversized cables
- ▶ Options to add DIN rail extension boxes to enable the mounting of additional modular devices
- ▶ Easy replacement of protective devices
- ▶ Fully encapsulated tinned copper and aluminum bus bars, up to 800 A
- ▶ One-piece bus bar design, avoiding joint hot spot
- ▶ IP rating up to IP65 available upon request
- ▶ Floor or wall mounted with surface and flush mounting options
- ▶ Adequate cable space
- ▶ Removable gland plates for both the top and bottom.
- ▶ Provision to add metering kits and extension cable boxes

DISTRIBUTION BOARD

A distribution board, also called a panel board, breaker panel, or electrical panel, is an important component of an electricity supply system. A distribution board enables the distribution of electrical power into different circuits, while providing a circuit breaker or protective fuse for each circuit within the same enclosure. In simple terms, the main distribution board is the point where the main supply cable enters and is subsequently distributed to the breakers and, from there, to all the circuits or switchboards



Available Features

- ▶ Form 2 type of segregation is standard
- ▶ Single-phase boards ranging from 4 ways to 18 ways
- ▶ Three phase boards ranging from 4 ways to 24 ways
- ▶ Options for MCCB, Isolator or RCCB incomers
- ▶ Capable of accepting MCB and RCBO outgoing devices
- ▶ Option to add DIN rail extension boxes to enable the mounting of additional modular devices
- ▶ Easy replacement of protective devices
Complies with BS EN 60439 Parts 1 and 3
- ▶ Fully encapsulated tinned copper & aluminum bus bars rated up to 225A
- ▶ Fault withstand 15kA
- ▶ IP ratings up to IP 65 on request
- ▶ Floor or wall mounted, with both surface and flush mounting options
- ▶ Adequate cable space
- ▶ Removable gland plates and pre-punched knockouts
- ▶ Option to build to customers' special requirements, Compact designs
- ▶ Finish to RAL 7032 & other finishes available upon request

AUTOMATIC/REALTIME POWER FACTOR CONTROL PANELS (APFCR/RT-PCR)



Power Factor Correction Panels are designed to suit for the ambient temperature systems and housed in a pretreated sheet steel location

Available Features

- ▶ Ingress protection up to Ip55
- ▶ Wall mounting or floor standing With or without Harmonic Filter
- ▶ Top or bottom cable entry
- ▶ Conforming to IEC 61439-1
- ▶ Segregation Form 2

FLAMEPROOF PANELS



FLP Control Panel. Flame-proof panels are mostly used in the place where concentration of flammable gases, vapors or dust occurs. Electrical equipment that must be installed in such conditions is specially designed

Available Features

- ▶ Minimum Order Quantity 1 Piece.
- ▶ Frequency Range 50/60 Hz.
- ▶ Automatic Grade
- ▶ Usage PLC Automation.
- ▶ Body Material Galvanized Aluminium.
- ▶ IP Rating IP65 & Above
- ▶ Three Phase

FIREFIGHTING PANELS



Fire detection and extinguishing control panels process results detected by sensors, control alarm devices and set off alarms to permanently manned stations and the fire department. They continuously monitor extinguishing systems for functionality and trigger them electrically if necessary.

Available Features

- ▶ Increased functionality
- ▶ Extended message forwarding
- ▶ Communication via open protocols
- ▶ Comprehensive fire control

LOCAL CONTROL PANEL



The local control panels are bulkhead mounted and situated in the vicinity of their respective stabilizer machinery units. Each unit controls the distribution of electrical power to its respective machinery unit. The switches, controls and indicators of a local control panel are shown in Fig.

Available Features

- ▶ Monitoring and Control
- ▶ Process Control
- ▶ Protection Devices
- ▶ Customization
- ▶ Integration with other systems

▶ **POWER CUM MOTOR CONTROL CENTER**

PMCC (Power cum Motor Control Center) panels are a combination of Motor Control Center (MCC) and Power Control Center (PCC) panels.



The PMCC panels are used in industrial and commercial applications for connecting individual motors. They provide manual, remote, or automatic control for starting, stopping, and selecting forward or reverse rotation. Additionally they enable speed regulation, torque control and protection against overload, single phasing, phase imbalance, earth fault, undercurrent, under/over voltage, lock rotor current, high winding temperature and more.

The PMCC panels are an essential component of an industrial electrical system controlling the power distribution within the facility. A PMCC panel serves as a power distribution board that manages the electrical power supplied to HT panels, MCC panels and transformers all of which play a vital role in the overall electrical control system.

▶ **Available Features**

- ▶ Modular/Compartmentalized design
- ▶ As per Standards IS 60439/IS8623/ IEC 61439
- ▶ Ingress protection - standard IP42, up to
- ▶ IP55 when required
- ▶ Design Isc level up to 65KA for 1 Sec Rated Current Up to 6300 A
- ▶ Design Isc level up to 65KA for 1 Sec Rated Current Up to 6300 A
- ▶ Bus-bar material - EC Grade Copper/E91E Grade Aluminum
- ▶ Sturdy Construction
- ▶ Powder Coating with RAL 7035/RAL 7032 or User specified
- ▶ Large cabling space with adequate cable supports, are provided in cable Alley
- ▶ Doors are open able with hinges for 110° Opening
- ▶ Neoprene Gasket 40 to 120 °C

MOTOR CONTROL CENTER AND IMCC PANEL & BUS DUCT

Motor Control Centers are built to conventional or intelligent designs, adhering to the most stringent standards. They are suitable for process industries, oil and gas, sewage treatment, and residential/commercial complexes.



Available Features

- ▶ Rated Operational Voltage up to 415V AC
- ▶ Any Rated Current to fulfill the customer requirements
- ▶ Separation Form 2, 3 & 4 type 7
- ▶ Sheet steel, Stainless steel, GRP Enclosures
- ▶ Ingress protection up to IP65
- ▶ Top, bottom or special cable entry
- ▶ Front or rear cabling access
- ▶ Fixed, plug in or drawout type
- ▶ Full range of instruments and metering to customer's requirements
- ▶ Contactor, soft start and variable speed drives
- ▶ Wired to separate terminal chambers
- ▶ Local or remote manual controls
- ▶ Relay or PLC automatic controls
- ▶ Alarm systems
- ▶ Alarm annunciators
- ▶ Maximum nominal current up to 8000 A.



BUS DUCT

▶▶▶ PLC PANELS & SCADA SYSTEMS

Programmable Logic Controllers (PLC) & SCADA systems are small, medium & Large scale industrial computers with modular components designed to automatic customized control processes



▶▶▶ AVAILABE FEATURES :

- ▶▶ Very fast
- ▶▶ Easy to change logic i.e. flexibility
- ▶▶ Reliable due to absence of moving parts
- ▶▶ Low power consumption
- ▶▶ Easy maintenance due to modular assembly
- ▶▶ Facilities in fault finding and diagnostic
- ▶▶ Capable of handling of very complicated logic operations
- ▶▶ Good documentation facilities
- ▶▶ Easy to couple with the process computers
- ▶▶ Analog signal handling and close loop control programming
- ▶▶ Counter, timer and comparator can be programmed



SYNCHRONIZING PANEL, INDUSTRIAL PLUG & SOCKET PANEL



Panels designed for the parallel operation of generators, either by synchronizing them with the module in the panel or by offering a totalizing panel with the synchronizing module integrated with the generator control.

Available Features

- ▶ Conforming to ICE 61439-1
- ▶ Ratings from 275kVA to any rating to fulfill the customer requirements
- ▶ Separation Form 2, 3 & 4
- ▶ Ingress protection standard IP41 (up to IP65 on request)
- ▶ Wall mounting or floor standing
- ▶ Top or bottom cable entry
- ▶ Front or rear cabling access
- ▶ A full range of instruments and metering to meet customers requirements.
- ▶ Manual and automatic synchronizing with load sharing and load shedding
- ▶ Any number of generators can be synchronized with Reverse power, phase failure/loss under/over voltage, under/over frequency protections
- ▶ MCCB's or ACB's, 4pole or 3pole as required
- ▶ Fixed, plug-in, or drawout devices

WIRING & ASSEMBLY

- ▶ Cable Cutting & Stripping Machine
- ▶ Ferruling / Cable Printing Machine
- ▶ Crimping Tools (manual & hydraulic)
- ▶ Riveting & Fastening Tools
- ▶ Torque Wrenches & Screwdrivers

▶ HVAC CONTROL PANEL



HVAC control panels regulate temperature, humidity and airflow to maintain a comfortable and healthy indoor environment. (DOL, S/D, VFD, PLC & SCADA Control System)

▶ Available Features

- ▶ Conforming to IEC 61439-1
- ▶ Top, bottom or special cable entry
- ▶ Segregation up to Form 2
- ▶ Front cabling access
- ▶ CRCA Sheet, Stainless steel, GRP Enclosures
Special control systems to customers
- ▶ Ingress protection up to IP66
- ▶ Wall mounting or floor standing
- ▶ Manual or Automatic operation

▶ ATS/AMF PANELS



AMF panel, or Automatic Mains Failure panel is an electrical control panel that automatically switches a load from the main power source to a backup generator when a power outage is detected and then back again when the main power is restored.

▶ Available Features

- ▶ Ingress protection up to IP65
- ▶ Wall mounting or floor standing
- ▶ With or without Harmonic Filter
- ▶ Top or bottom cable entry
- ▶ Conforming to IEC 61439-1
- ▶ Segregation Form 2

▶ VFD AND SOFT STARTER MOTOR CONTROL PANEL



Designed to suit the application and system requirements the system protects equipment by reducing inrush current and limiting torque.

▶ Available Features

- ▶ Conforming to IEC 61439-1, 61800-3
- ▶ Segregation up to Form 2
- ▶ Sheet steel, Stainless steel, GRP Enclosures
- ▶ Ingress protection up to IP66
- ▶ Wall mounting or floor standing
- ▶ Top, bottom or special cable entry
- ▶ Front cabling access
- ▶ Special control systems to customer's requirements

▶ HT/RMU/POCKET SUBSTATION/ HTMC PANELS



Since inception, we have actively traded and supplied premium HT panels featuring built-in switching, control and regulation. Made from high-grade components they are available at industry-leading prices.

▶ Available Features

- ▶ Application: Power distribution
- ▶ Construction type: Modular indoor metal clad
- ▶ Max. rated current: 1250 A, 26.3KA, 1600 A, 40 KA
- ▶ Nominal/Operational Voltage: Up to 33 KV
- ▶ Rated insulation voltage: 28KV rms/75KVPK
- ▶ Ambient temperature: 50 °C
- ▶ Type test performed at CPRI: 65.75KA peak & 26.3KA rms for 3 sec 100 KA peak & 40 KA rms For 3 sec

▶▶▶ 12 KV LBS METERING CUBICLE (HTMC) PANEL

"12 KV LBS Metering Cubicle (HTMC) Panel designed for high-voltage load break switching and accurate energy metering. Ensures safe operation, reliable performance and easy maintenance. Ideal for industrial and utility power distribution applications."



A 12 KV LBS Metering Cubicle (HTMC) Panel is a high-voltage (12KV), manual, 3-phase electrical distribution panel used for metering energy consumption and load breaking in industrial applications, typically installed between the incoming supply and a transformer. It is constructed from durable mild steel with a powder coating, features a robust design and is built to handle current ratings of 630A or 1250A, meeting standard for reliable power distribution.

- ▶▶ Load Break Switch 630amp 21 KA IS 3427/IEC 62271
- ▶▶ HT HRC Fuses Of Suitable Rating
- ▶▶ The Insulation Level is 12/28/75 KVP
- ▶▶ Rated Short Time With Stand Current 21ka/3 Sec
- ▶▶ Rated Making Capacity 52.5 KA
- ▶▶ Auxillary Switch, Fuse Trip & Shunt Trip Coil In Built
- ▶▶ Voltage Detecting Insulator & Monitor In Built
- ▶▶ CT/PT Compartment With Trolley Provision
- ▶▶ Electronic Trivactor Meter Fitting Provision
- ▶▶ Bottom Cable Entry

▶▶▶ Available Features

- ▶▶ 12 KV Voltage Rating
- ▶▶ Load Break Switch (LBS)
- ▶▶ Metering Cubicle
- ▶▶ HTMC (High Tension Metering Cubicle)
- ▶▶ Robust Construction
- ▶▶ Manual Operation
- ▶▶ Current & Breaking Capacity
- ▶▶ Applications : Industrial & Large Building

WELL-SUITED WITH ANDROID AND IOS HOME AUTOMATION SYSTEMS



SmartiQo's Smart Gadgets can be integrated with any smartphone, be it based on Android or IOS operating system. All you need to have for monitoring and controlling the appliances at your place from the palm of your hand is a smartphone and a stable internet connection not having which is a myth in today's world. Deal With : Smart Lock, Smart Switches & Smart Lighting

MultiFunction - ONE SWITCH

With the premium finish of the Glass Panel SmartiQo has an exciting range of smart touch switches that allows you greater connectivity and user experience, better control over appliances and larger savings.

Luxury Smart Locks For Residential & Commercial

With a slick smart design and power-packed performance, Smart Lock is here to give you the best of both worlds: design and technology. Ensure complete safety of your holiday homes with Smart Lock. Keep your home accessible to only those who you want to allow without any fear of stolen or copied keys.



Programmed To Deal With Any Situation

SmartiQo's smart gadgets are not only elegant looking but equally proficient. They are programmed using the latest IFTTT technology. They report to you about the electricity consumption of various appliances at your place. Additionally, they can be controlled from anywhere using your smartphone. Overall, these devices aim to provide you a control switch to deal with any situation at your place, without being physically present at your place.

OIL & AIR COOLED SERVO STABILIZER, UPS SYSTEM & INVERTERS



Capacity in KVA	10 KVA to 75 KVA Air cooled 30 KVA to 2000 KVA Oil cooled
Input Range	340-480VAC 300-500VAC Or As Per Customer Requirement
Output Voltage	380V/400V/415V(As per Customer requirement)
Rate of Correction	up to 100V/sec
Effect of Power factor	Nil
Response Time	10 msec
Waveform Distortion	Nil
Line frequency	47 to 63 HZ
Duty Cycle	100% Continuous
Controlled Type	Digital Micro controlled based
Protections	Input High/Low Voltage cutoff Output High/Low Voltage cutoff, Overload Cut off Protection Single phasing prevention Short circuit protection
Parameters Displayed	I/P & O/P Voltage L-L, L-N, Hz, Current R-Y-B (All Phases)
Manual Bypass	Optional
Ambient Temperature	0° to 55° C
All types of UPS Systems & Inverters	



▶▶▶ POWERING YOUR FUTURE WITH RELIABLE, SUSTAINABLE SOLAR SOLUTIONS

Reliable, Efficient, and Sustainable solar solutions tailored to Residential, commercial & Industrial Needs with a commitment to top-quality service at every step For Residential, Commercial & Industrial Solutions.

▶▶▶ Available Features

- ▶▶ Comprehensive Solar Solutions
- ▶▶ Customized Energy Solutions
- ▶▶ Trusted Expertise Team
- ▶▶ Commitment to Sustainability

▶▶▶ Solar Installation Process

- ▶▶ Site Assessment & Consultation
- ▶▶ Permits & Documentation
- ▶▶ Grid Connection
- ▶▶ System Design
- ▶▶ Physical Installation
- ▶▶ Testing & Commissioning
- ▶▶ Monitoring & Maintenance

ACDB/DCDB/NVR BOX



The solar device ACDB (Alternative Current Distribution Box) is a small that is installed between the solar inverter and your home load. An ACDB includes necessary surge protection devices (SPD), AC fuse and MCB to protect the appliances from any type of electrical damage or high voltages.

DCDB is also known as Array Junction Box (AJB). It is a small solar protection device that is installed between solar panel and a solar inverter. If any disturbance occurs from the side of the solar panel, the DC fuse inside the DCDB will melt and protect the equipment of the solar system from being damage.

SOLAR MAIN PANEL



It is designed with new generation PERC cell technology which is better than other cell technology and also has higher efficiency than conventional PV modules. Mono PERC cells perform excellently in low light and cloudy conditions. Solar panels perform better in low light conditions as well as in high temperature.

Available Features

- ▶ Low temperature co-efficient.
- ▶ Positive power tolerance of 0~+3%.
- ▶ Potential induced fall (PID) resistance.
- ▶ PID resistant 5BB cells and encapsulates
- ▶ Higher efficiency than traditional PV modules.
- ▶ Designed with new generation PERC cell technology.
- ▶ High reliability against extreme environmental conditions.

MEPF, AUTOMATION & IT CONTRACTING



The QUALITY
That Inspire, Trust,
CUSTOMIZE
Electricals & Automation Panels



Electrical or MEPF (Mechanical, Electrical, Plumbing, and Fire) contracting management specifically for low voltage and IT systems involves overseeing projects related to:



Low Voltage Systems

- ▶ Electrical distribution systems (e.g., lighting, power)
- ▶ Fire alarm and suppression systems
- ▶ Security systems (e.g., CCTV, access control)



Key Aspects

- ▶ Project planning and scheduling
- ▶ Resource allocation and management
- ▶ Quality control and assurance
- ▶ Safety management
- ▶ Budgeting and cost control
- ▶ Compliance with regulations and standards



IT Systems

- ▶ Network infrastructure (e.g., LAN, WAN)
- ▶ Data centres and server rooms
- ▶ Telecommunications systems



Benefits

- ▶ Efficient project execution
- ▶ Improved system reliability and performance
- ▶ Enhanced security and safety
- ▶ Reduced costs and downtime
- ▶ Increased customer satisfaction

Prayan Electrical and Automation Private Limited is specialize in managing MEPF, low voltage and IT contracting projects ensuring successful delivery and client satisfaction.



Our company is committed to delivering high quality electrical services in a positive, well-managed, and professional manner. We ensure efficiency compliance with industry standards and a keen focus on precision throughout each project. Our expertise covers both pre-designed projects and those requiring custom designs, handling everything from requirement evaluation to installation and completion. We prioritize selecting the right materials and applying our extensive experience to ensure superior results. We offer accredited Electrical Contract services for residential, commercial and industrial sectors, including public lighting installations, electrical distribution, sub-transmission networks and large scale commercial or industrial installations like shopping centers and precincts.

Available Features

- | | |
|-------------------------|---|
| ▶ Distribution Systems | ▶ Electrical Audit |
| ▶ Communication Systems | ▶ Low Voltage Systems |
| ▶ Lighting Installation | ▶ Electrical Distribution & Security System |
| ▶ Fire Alarm Systems | ▶ Maintenance Division/Emergency Break Down Service |
| ▶ Security System | ▶ IT Systems |
| ▶ Automation System | ▶ P.A. Systems |
| ▶ Plumbing Contract | ▶ HVAC Systems |

RESIDENTIAL, COMMERCIAL, INDUSTRIAL LIGHTS & FIXTURES



Tube Light



Household LED Light Bulb



High Bay Light



High Bay Retrofit Bulb



Hanging Troffer



Recessed Troffer



Retrofit Kit



Corn Bulb



Paddle Bulb



Post Top Light



Drop Light



Wall Light



Cutoff Wall Pack



Canopy Light



Flood Light



Shoebox Fixture



Wall Pack



Rotatable Wall Pack



Security Light



Explosion Proof Light

CONTROL PANEL ACCESSORIES



Cam Bush



Cam Knob



Screw Knob



Round Head Knob



Lever type Knob



Star Knob



Retainer



Internal Hinge



U type Hinge



Hinge Weldon



Super Hinge



Dense Hinge



Concealed Hinge



Butt Hinge



Round Hinge



T Hinge



Neutral Link Rod



Neutral Link Z



Neutral Link L



Neutral Link Bar



Pole Box Lock



Poly chrome Lock



Poly tech Lock



Special Lock



Economy Lock



Three Point Lock



Pull Tab



Standard Lock



Special Key



Poly tech Key



Standard Key



Terminal Channel



MCB Clamp



Terminal Clamp



MCB Channel



Eye Bolt



Grommet



Handle



MCCB Cover



Glass 96 x 96



Meter Frame



Cage Nut



Plates



TPN-Support



L- Support



Conical Insulator



Single Pole Support

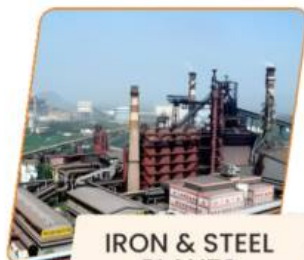


Finger Support



Shrinkable Sleeves

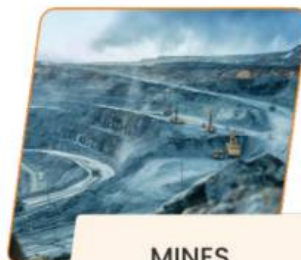
INDUSTRIES WE SERVE



**IRON & STEEL
PLANTS**



**PETRO CHEMICAL
PLANTS**



MINES



**ACID & CHEMICAL
INDUSTRIES**



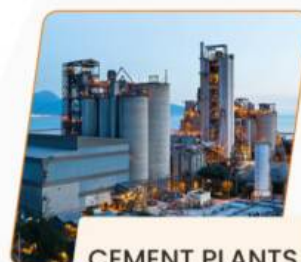
**AUTOMOBILE
INDUSTRIES**



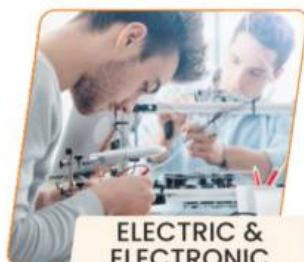
**HEAVY
MACHINERIES**



DISTILLERIES



CEMENT PLANTS



**ELECTRIC &
ELECTRONIC
INDUSTRIES**



SPACE CENTRES



**FERTILIZER
INDUSTRIES**



**FOOD
INDUSTRIES**



**OIL & GAS
INDUSTRIES**



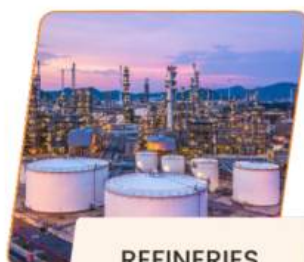
**PAPER & PULP
INDUSTRIES**



PHARMACEUTICALS



**POWER
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