



**Purusharthy<sup>®</sup>**  
Power Industries



**YOUR  
INDUSTRIAL  
PARTNER**



**Electrical Project | Solar Project | Civil Project  
Lighting Project | Automation | Maintenance**



[www.purusharthy.com](http://www.purusharthy.com)



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# **OUR BUSINESSES**



**Renewable Energy**



**Electrical Engineering**



**Civil Engineering**



**LED Lighting**



**Automation**



**Maintenance**



# **OUR SOLUTIONS**



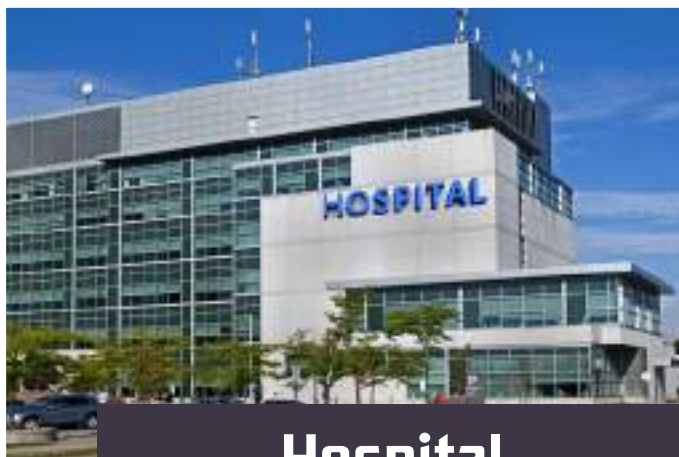
**Smart City**



**Industry**



**Education Institute**



**Hospital**



**Commercial Complex**



**Hotel**



# KNOW US

Purusharthy Power Industries Private Limited is an ISO 9001 : 2015 certified industrial solutions provider company. PPIPL is founded with the vision of renaissance in field of energy & civil.

Purusharthy Power have expertise to design fully integrated and customized complete electrical, Solar, Civil and Lighting turnkey projects. We have the prowess to manage turnkey projects of any scale and the much-needed know-how to work within the confines of regulatory policies and vast geographical parameters.

We're constantly looking for new ways to innovate the technology to make accessible to even more people. We're excited for what's ahead and believe this is just the beginning to create a planet powered by the sun. Our businesses are Solar Turnkey Projects, Electrical Turnkey Projects, Civil Turnkey Projects, Industrial Solar Solution, Commercial Solar Solution, Lightning Solution, Silent Diesel Generators, Transformer, Chemical and Copper Earthing, Cabling, Residential Solar, Solar Water Pumping, Electrical AMC Contract and Solar AMC Contract.



# CERTIFICATION

# RESEARCH



## #startupindia



Technology has been central to everything PPIPL has ever done. From our very first patent from India in its class for solar field to the opening to Reality Centre first of its kind all utilise the best available technology to create timeless assets that give long-term returns to the citizens of India and World.

Purusharthy® Power Industries Pvt Ltd has collaborated with Govt. Engineering College, Banswara (An Autonomous Institute of Govt. of Rajasthan) to enhance the research in the field of Power electronics in Renewable Energy, Solar cell, Fluid dynamics for cleaning systems of Solar PV Modules etc.





# SOLAR EPC PROJECTS

Solar Farm | Industrial | Commercial



Purusharthy® Power is a comprehensive solar turnkey solutions provider. It offers the expertise as well as the tools to commission and execute solar projects of any proportion on a turnkey basis from conceptualization to completion while catering to the custom requirements of clients.

With our in-house engineering and construction teams, we strive to leverage our technical experience and industry know-how to develop the most cost-effective and energy efficient PV solar plants in the industry.

We assist customers seeking to use solar power right from the planning stage through the entire operational life of the project. This includes providing our customers with a complete financial return and cash flow analysis of the solar power project including providing advisory services that help customers navigate all government policy issues, land procurement issues, tax benefits, subsidies and regulatory approvals to successfully install solar photovoltaic plants.



## DESIGN

Expert engineers support to ensure a proper and safe design



## BUILD

Optimized project schedule for cost effective system



## RISK

Maximize uptime, reliability & safety with ongoing services



Purusharthy® Power is the approved Electrical Contractor. All electrical work including in-house Designing, Engineering, Equipment Supplies, Site Development & Management, Supervision, Erection and Testing commissioning is being executed using in house resources.

We provide end to end solution from site development to complete construction activities Electrical, Mechanical with all civil activities and interface with all government approving agencies.

We add values by providing complete engineered solutions from concept to commissioning. These turnkey solutions are being executed by highly qualified team of professionals who are well versed with the latest technology and industrial standards.

### **WHAT WE DO IN TURNKEY PROJECT**

- ♦ Design, drawing, engineering of entire electrical installation.
- ♦ Bill of Material, cable schedule, termination schedule, SLD, switchyard layout, trench layout design and drawings of associated civil work.
- ♦ Preparation of estimate for the work involved.
- ♦ Services for supervision on erection, testing and commissioning.
- ♦ Project coordination and monitoring.

# **ELECTRICAL EPC PROJECT**

**Substation | Transmission Line | HT & LT Cabling  
OH & UG Feeders | Distribution Line**



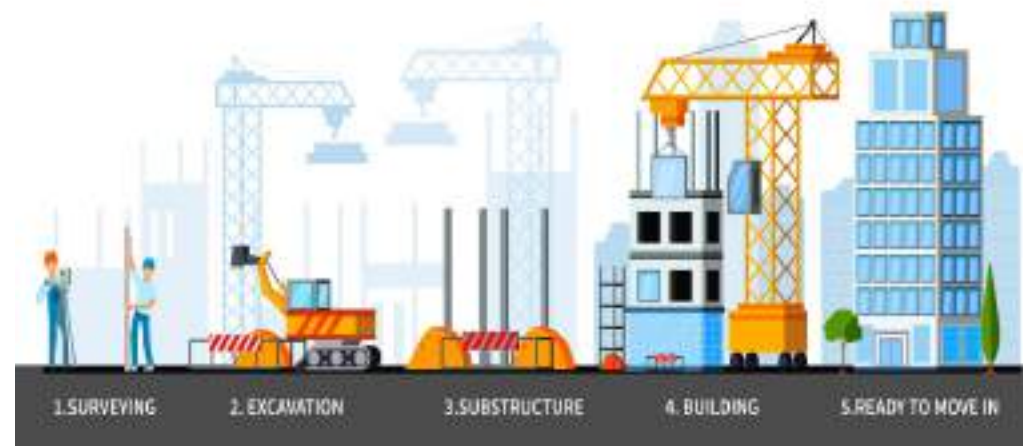


# CIVIL EPC PROJECTS

Industrial | Commercial

Our comprehensive construction program encompasses everything from cost and schedule, to procurement, quality, safety, and building performance. PPIPL is a builder as well as a construction manager: we employ craftsmen specializing in everything from concrete to finish carpentry work. This first-hand experience with building allows us to provide an exceptional level of accuracy and expertise in our schedules, and quality control procedures.

Our planning and processes ensure that our clients have the right information to make informed decisions and stay on budget and schedule while exceeding the industry standards of excellence.





We are the manufacturer of LED lights with brand name Cellus Tech. Our plant located in Khushkhera (Bhiwadi). We are dealing both (i.e. Solar and Non-Solar) LED lighting system.

We are one of the best executors of Street / Road Lighting. The offered lighting are raised sources of light, which are erected on the edge or walkway of the road. Our offered lighting is able to efficiently illuminate the roads and streets, during night time. The offered lights are connected by underground electrical wiring network. Our offered street lights are low maintenance products.

The offered service comprises of the installation and erection of electrical poles, for laying lighting network. Our offered service is very comprehensive, owing to the full coverage of pole installation and cable connection.



# LED LIGHTING

Solar | Industrial | Commercial | Residential





# AUTOMATION

Industrial | Commercial | Residential



A new era of innovation is here. The Industries of the Future are all about people creating the products that shape our lives. Think universal automation and sustainable efficiency, and think about what we can create together. Our changing world calls for industries that can quickly and fluidly adapt, and that means efficient, resilient manufacturing. Are you ready to modernise your operations and environmental impact? Smart home automation devices connect appliances, switches, and gadgets to a central hub, enabling you to control those devices in secure and convenient ways. Command groups of lights to turn on or off when you open the front door, receive alerts when a leak springs, or program your thermostat to work with your fans and AC when the room gets hot. Smart home automation devices make your home more comfortable, more convenient, and more secure than ever.



**Smart  
Lighting**



**Intelligent  
Multimedia**



**Proactive  
Surveillance**



**Climate  
Control**



**Access  
Control**



**Water  
Management**



**Energy  
Saving**



**Fire  
Protection**



In the modern era of technology and automation, a large chunk of daily processes rely on the consistent and reliable supply of power - be it in residential, commercial, or industrial settings. Fluctuating supply of power is one of the significant causes of the inefficient functioning of machinery such as motor starters, servo motors etc and other infrastructure. The threshold of the electric equipment to bear the surges is such that, all considerable fluctuations cause substantial damage to its effectiveness.

An electric circuit breaker is a switching device that controls and protects the electrical power system either manually or automatically, from harm caused by overload or short circuit. Its primary function is to obstruct the current flow once the protective relays detect a fault. The risk of electrocution, electrical fires, and electrical shocks is high in the lack of a circuit breaker. Based on factors like the voltage, interrupting mechanism, or installation location, there are different types of circuit breakers.



# ELECTRICAL SWITCHGEARS

Industrial | Commercial | Residential





# EARTHING SOLUTION

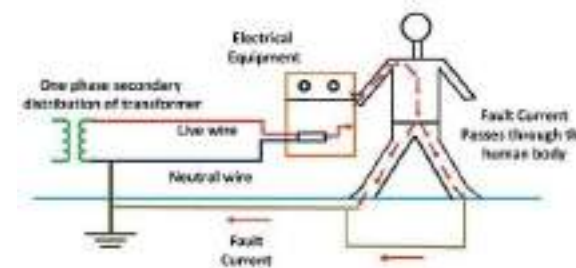
Chemical | Traditional | Grid Mesh

There are three categories of electrodes that we provide. They are pure Copper Earthing Electrode, GI Earthing Electrode, SS Earthing rod along with their Electrolytic properties. The electrodes are maintenance free and are easy to install at the site. Advance technology used ensures it to be a long life product.

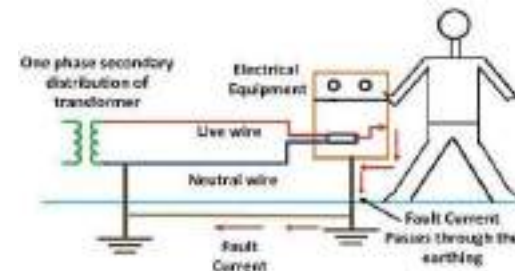
## TYPES OF EARTHING

- ◆ Electrolytic GI Earthing
- ◆ Electrolytic Copper Earthing
- ◆ Advance Electrolytic Mesh Earthing Solution
- ◆ Traditional Copper & GI Earthing

## HOW IT WORKS



Electrical System Without Earthing



Electrical System With Earthing

Earthing can be done by electrically connecting the respective parts in the installation to some system of electrical conductors or electrodes placed near the soil or below the ground level. The earthing mat or electrode under the ground level have flat iron riser through which all the non-current-carrying metallic parts of the equipment are connected.

When the fault occurs the fault current from the equipment flows through the earthing system to the earth and thereby protect the equipment from the fault current. At the time of the fault, the earth mat conductors rise to the voltage which is equal to the resistance of the earth mat multiplied by a ground fault.

Every Solar PV installation is a long term investment, deemed to give you returns year after year. But like any other investment, you need to ensure these returns are optimum and your assets value is safe. A Solar PV installation that has not been cleaned for over a month will give you a power yield less than it's rated capacity. The power generation can fall by as much as 30%. We are doing all kind of AMC in Electrical. Backed by a team of electrical professionals, we are offering a broad assortment of Industrial Electrical AMC Service for our customers. Offered services are executed under the direction of inspectors of quality. These are rendered according to the client's demands and within the promised period of time.

### SCOPE IN AMC SERVICE

- ◆ Panels cleaning at defined intervals.
- ◆ Trained Team with knowledge of Installation and Commissioning to review and report any other factors affecting Power output.
- ◆ Mechanical as well as Electrical Assistance available immediately in case of any defects observed during Cleaning.
- ◆ Option of only Washing or AMC or combined Packages.
- ◆ Carry out the tests during the contract period.
- ◆ Keep recording of all records.
- ◆ Calibration of Sensors, SCADA, Monitoring system.

## SOLAR MAINTENANCE

AMC | Routine | Emergency







# ELECTRICAL MAINTENANCE

AMC | Routine | Emergency

We provide comprehensive and non-comprehensive annual maintenance contract solutions, Electrical Maintenance services and Electrical Management services of Electrical Installations over a period of time (Annually, Half yearly, Quarterly, Monthly basis) to corporate companies, IT/BT sectors, Medical facilities, Multi-storied building, Luxury Apartments, Shopping malls, Multiplex etc.

We are doing all kind of AMC in Electrical. Backed by a team of electrical professionals, we are offering a broad assortment of Industrial Electrical AMC Service for our customers. Offered services are executed under the direction of inspectors of quality. These are rendered according to the client's demands and within the promised period of time.

## SCOPE IN AMC SERVICE

- ◆ Maintenance of all kind of Electrical installations, cables, wires, switches, main switches, panels, electrical fixtures at above sites.
- ◆ Attend to all types of routine/preventive maintenance work.
- ◆ Liaising with the electricity board regarding various matters.
- ◆ Inspection and replacement or repair the faulty parts/fittings. Carry out the tests during the contract period.
- ◆ Keep recording of all records.

# OUR INDUSTRIAL PARTNERS







**Purusharthy**<sup>®</sup>  
Power Industries



/purusharthy



/purusharthy



/purusharthypower



company/purusharthy

## PURUSHARTHY POWER INDUSTRIES PRIVATE LIMITED

### ALWAR

Shiv Colony,  
Tijara Road, Alwar  
Rajasthan 301 001 INDIA

### TAPUKARA

RSH 25, Opposite BDI Ambbaram,  
Tapukara, Bhiwadi, Distt Alwar,  
Rajasthan 301 707 INDIA

### JAIPUR

Joshi Marg, Kalwar Road  
Jhotwara, Jaipur  
Rajasthan 302 012 INDIA

### CHITTORGARH

181, Manpura  
Bundi Road, Chittorgarh  
Rajasthan 304 502 INDIA

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