

# SQ ENGINEERING CONTRACTOR'S

PRIVATE LIMITED

CORPORATE PROFILE & CAPABILITIES

## ELECTRICAL CONTRACTOR

*"We believe in safety, absolute precision, and uncompromised quality, not scale."  
— Powered by Innovation, Wired for Safety.*

Established 2009 | Kochi, Kerala  
Global Electrical Infrastructure  
[www.sqgallery.com](http://www.sqgallery.com) | [sendsq@gmail.com](mailto:sendsq@gmail.com)



## Corporate Profile

SQ Electrical Contractors Pvt Ltd is a premier, world-class electrical engineering and contracting infrastructure framework established in 2009 at Cochin, Kerala, India. Backed by more than 12 years of specialized operational expertise, we design, execute, and manage high-voltage and low-voltage electrical systems across industrial, commercial, and residential sectors globally.

We are rigidly committed to providing every client with the highest benchmark of technical precision, strict regulatory compliance, and unparalleled safety protocols. Our engineering units are equipped with advanced analytical instrumentation to drive zero-fault deployment speeds across complex smart power grids.

## Capabilities Index

**01**  
**HT/LT Substations, Industrial Electrification & Panels**

**02**  
**Commercial Wiring, Data Networks & Automation**

**03**  
**Solar Plants, Centralized Inverters & Advanced Earthing**

**04**  
**Heavy DG Set Integrations, AMF Logic & Fire Alarms**

**05**  
**Street Lighting Infrastructure, High Masts & Cable Trays**

**06**  
**Underground Cable Management & Energy Auditing**





## Industrial Power Systems

### HT/LT Substation Installations

Comprehensive turnkey design and setup of outdoor/indoor electrical substations. Includes step-down/step-up transformers, vacuum circuit breakers (VCB), sulfur hexafluoride (SF6) gas-insulated switchgears, overhead transmission line components, and rigid grid-interconnect operations.



### Industrial Electrification & Panel Integration

End-to-end heavy power infrastructure execution for manufacturing mills, automotive assembly complexes, and distribution hubs. Custom engineering and structural assembly of Main Intelligent Distribution Boards (MDB), Sub-Distribution Boards (SDB), Motor Control Centers (MCC), and synchronized busbar trunking layouts.





## Commercial Facilities & Automation

### Commercial & Residential Wiring

Advanced structured conduit piping, low-smoke zero-halogen (LSZH) internal power distribution runs, structural lighting layouts, and modular switches customized perfectly for corporate spaces, luxury real estate towers, and medical institutions.

### Structured Data & Network Cabling

High-bandwidth communication infrastructure, Cat6A/Cat8 gigabit Ethernet loops, multi-mode fiber-optic backbones, certified server rack dressing, and comprehensive patch panel integrations for uninterrupted enterprise data loops.

## Renewable Energy & System Protection

### Solar Power Plant Configurations

Engineering, procurement, and deployment of industrial on-grid, off-grid, and micro-grid hybrid photovoltaic systems. Optimized with premium monocrystalline panels, high-efficiency net-metering arrays, and smart inverters.

### Advanced Earthing & Lightning Protection

Chemical maintenance-free dual-pipe copper grounding rings, earth resistance optimization zones, and Early Streamer Emission (ESE) lightning air terminals engineered to securely divert atmospheric discharges directly to ground.





## Specialized Capabilities & Technical AMCs

### Annual Maintenance Contracts (AMC)

Rigorous preventive facility support contracts comprising routine megger testing, circuit breaker timing checks, contact resistance inspections, and instant diagnostic responses to minimize unplanned line downtime.

## Corporate Headquarters & Contact Desk

### REGISTERED OFFICE ADDRESS

SQ ENGINEERING CONTRACTORS (PVT) LTD.  
2nd Floor Krishna Kripa Arcade, Padivattom,  
Edappally, Kochi, Kerala — 682024

### PHONE SUPPORT

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### ELECTRONIC MAIL & WEB

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