



About the company

Sinhal Udyog, a Crystal Group company - The Fastest-Rising Indian Technology Enterprise Empowering Utilities since the last decade.

We are a company led by visionaries who aspire to impact people's everyday lives by providing them access to quality, secure, and reliable energy.

Driven by research, with entrepreneurship as our central pillar, we are essentially an innovation lab that aims to empower utilities by providing them with futuristic and revolutionary technology solutions.

We truly believe that highly motivated, responsible and proactive employees are the main reason for the success and development of our company.

Before you read further, take time to ask yourself:

- Does the immense scope of ever-changing technology excite you?
- Do you think you have a strong sense of logic?
- Can you deliver in a startup-like environment?

If you answered YES, we are eager to meet you

Sinhal Udyog is an employee-centric organization that stands tall and robust on the strong shoulders of a **+100 strong workforce Based in Delhi NCR**, bringing their best at work every day.

We concede and conform to the thought, ***when great people come together, they bring out nothing but 'The Greatest Solutions.'*** Each of our resources is invaluable to us that we prize and praise in words, action, and spirit.

Position- Design Engineer Electronics Hardware and PCB

As a **Design Engineer-PCB**, you will perform a wide variety of technical work in planning and design of embedded hardware electronic circuits and PCB design which will lead to new or



improved products/product lines under marketing, cost, time and regulatory constraints for energy meters.

Preferred experience

- Analogue / Digital circuit / Switch mode power supply design
- Design of microprocessor, FPGA and memory circuits
- PCB design tools such as Altium, Orcad, Mentor Graphics, CAD Star.
- HDL (hardware description language) in particular VHDL
- Appreciation of the need for accurate documentation – circuit diagram, BOM, engineering change documents etc.
- Power electronics – Diodes, Thyristors, IGBTs, GTOs, IGCT, MOSFETS, SiC, GaN devices.
- Electrical noise and how to design to limit its effects, knowledge of EMI / EMC.
- LV and HV (perhaps up to 12kV) insulation, isolation and screening.
- Embedded software design knowledge will be preferred
- Drive Failure analysis for components and associated corrective actions, using internal and external resources across the global supply chain.
- Perform necessary technical design analysis Simulations on P spice / LTspice / ModelSim / UVM etc create technical review documents, update design files and perform technical review with the team.
- Continuously work on the analysis and electrical design of the PCBAs. Address life cycle risks to ensure continued production of products.

Requisite Skills

- Experience of working within a technical team of Software, Hardware, Control engineers.
- Analytical Problem Solver.
- Familiarity with IEC / IS standards.
- Technical proficiency and problem-solving skills related to Technology solutions



- Ability to complete a high volume of tasks and projects with little or no guidance.

Experience

- 5+ years of relevant work experience.
- Previous worked as a PCB Design Engineer

Minimum Qualification:

- Bachelor's degree from an accredited university or college or equivalent qualification in Electrical Engineering.

Website: www.crystalpower.in

Contact: recruitment@crystalpower.in

*Please send your updated CV with a Cover letter elaborating to us on why you think you are the right-fit for the role.

**We will consider cover-letters and CVs sent at the above-mentioned email, only.

*****Please mention "TSE-VICTORY" in all caps in the subject line of your email. If not, we are afraid your application will not pass through our automated email filter system.**

We Wish You Our Best