



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: Electronics Reliability Engineer

The role involves testing and documentation of electronic hardware and software energy meters. Responsibilities:



- Assist with preparation of engineering documentation, e.g. Verification/Validation protocols, Work Instructions, BoMs, etc.
- Identify and validate product risks, including but not limited to electrical system, mechanical system, RF system, acoustic system, and work with design teams to mitigate them.
- Define test methodology and test coverage to assure product reliability, such as IC reliability, board reliability, IC package types, board design and layout, electrical debug, cross sectioning, dye and pry and microscopy.
- Provide hands-on experimental design and execution such as electrical stress testing, ESD testing, environmental stress testing, fatigue testing, vibration, and shock testing
- Perform reliability prediction of failure mechanisms on products under development and products in the field.
- Perform hands-on numerical simulations involving mechanism analysis, structural mechanics, thermomechanical problems, and statistical/Monte Carlo simulations using off the shelf tools.
- Develop and execute reliability qualification plans based on product lifecycle requirements while interfacing with design and manufacturing partners and external suppliers.
- Develop, with other functional disciplines, customer usage models and translate understanding of the customer into practical reliability test specifications.
- Validation of Analog, Digital and Power circuitry on hardware.
- Develops, maintains, or reviews validation and compliance documentation including schematics, protocols, and engineering change notices.

Requisite Skills

- Thorough understanding of industry standards and regulatory guidelines.
- Thorough understanding of related equipment and the ability to perform equipment modifications.
- Experience with conducting accelerated life cycle tests.
- Experience with electronics and PCBA design or processes.

Experience

- 3-8 years of relevant work experience.



Minimum Qualification

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

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